Diagnostic Classifications in Child Health

Submission for the degree of Doctor of Medicine
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Contents

Preface

First inspection of this work reveals that it is very different from the material more commonly submitted for the degree of Doctor of Medicine. It is clearly not based on clinical studies or laboratory measurements. Rather, this research addresses certain aspects of the important and rapidly developing area of medical informatics as applied to child health. It is hoped that it will be apparent from this dissertation that when the end product of this project is applied in the workplace there will be important and direct benefits in clinical practice.

When the work leading to this thesis was commenced in 1991 there was very little published material on the subject of clinical coding and classification. This structured analysis from a paediatric viewpoint, therefore, forms one of the earliest comprehensive texts on this topic.

The work is also unusual in that in addition to this paper manuscript material has also been submitted in electronic format for use on any IBM compatible PC. If there are any technical difficulties in using the software, the author can be contacted on: 01932 872000, (day) or 01932 841683, (evening).

Project aim:

This project was established to answer the following questions:

Is the current, (in 1991), classification of paediatric diagnoses adequate for current and predicted future needs?

If not, are there any available suitable alternatives?

If not, what diagnostic classification will suit the requirements of specialists and generalists in the various fields of child health?

How will any new paediatric classification fit in with other new classifications?

These questions can only be answered when the following subsidiary questions have been addressed:

Why are clinical classification systems necessary?

Why is a specific one needed for child health?

What systems were available at the start of the project?

What problems were inherent in those systems?

Chapter 1

Introduction

Background

There are many historical reasons why it is essential to have a good system of diagnostic classification in any field of medicine. Simply having a list of agreed diagnostic terms, (that is a nomenclature), allows for improved communication between clinicians and other professionals by enabling accurate, consensual labelling of the same condition or procedure. This facilitates the comparison of data from different sources for a multitude of purposes.

However, a long list of diagnoses cannot be used efficiently, unless it has a hierarchical structure and there is grouping of similar conditions. Searching through an unstructured or alphabetical list to find all the entries related to epilepsy, for example, would clearly be a frustrating and unrewarding task. The Council for International Organizations of Medical Sciences, (CIOMS), set up by WHO in 1965 described a classification relevant to medicine as "a list of all concepts belonging to a well-defined group, compiled in accordance with criteria enabling them to be arranged systematically and permitting the establishment of a hierarchy based on the natural or logical relationship between them." The World Health Organisation, (WHO), more succinctly defines a classification of diseases as "a system of categories to

which morbid entities are assigned according to established criteria."[1] These are the essential features of a classification system that distinguish it from a nomenclature. A complete nomenclature must have a separate title for each known morbid condition and need not have any particular structure. A standard British Telecom telephone directory is essentially a nomenclature, whereas the 'Yellow Pages' constitutes a classification.

Other important attributes of a classification that is to be used for statistical purposes are that it consists of a limited number of categories, that these are mutually exclusive and that there is a place for every eventuality. A perfect classification system should have a place for all possible entities, including those that have yet to be discovered. Limiting the number of categories facilitates the statistical analysis of quantitative data assigned to such categories. The concept of mutual exclusiveness ensures that data cannot be assigned by different users to different places in the classification, which would confound analysis of any such aggregated data.

The advantages of having a diagnostic classification have been known for many years. The Registrar General of England and Wales, Sir William Farr, said as long ago as 1856: "statistics is eminently a science of classification and it is evident . . . that any classification that brings together in groups, diseases that have considerable affinity . . . is likely to facilitate the deduction of general principles."[2]

The widespread use of such systems to collect epidemiological and statistical data relating to health provides the mechanism for national and international surveillance of conditions, for the identification of trends in the prevalence of diseases and for investigation into the causes of diseases.[3] Morbidity data are increasingly being used in the formulation of health policies and

programmes, in their monitoring and evaluation and in the identification of at risk populations.

In the current healthcare system in the United Kingdom a classification system is now essential within both hospital and community settings. It is only by accurately recording our activity as clinicians that we can have the necessary tools for projects such as clinical audit and research. In addition, an accurate and timely record of clinical activity is crucial to support management in the contracting process between healthcare providers and purchasers. Clearly, it is important that we record both diagnostic information and information concerning treatment carried out, although the latter has not been addressed in this work. It has been said that coding now leads to income and that if the coding is inadequate, providers lose money.[4] This type of information will also assist clinical directors and managers in the healthcare environment by providing them with details of resource consumption that will allow for more appropriate provision of resources for the future. WHO admits that its own International Classification of Diseases is not wholly suitable for "billing or resource allocation."[1]

Table 1 illustrates some potential uses and users of clinical data.

Table 1

Potential uses and users of data derived from diagnostic information.

Data	Data users	Data uses
DATA	**CENTRAL RETURNS** e.g.OPCS BPASU, DoH	**EPIDEMIOLOGY**
		PLANNING
		SURVEILLANCE
	LOCAL e.g.NHS Trust, Clinical directorate	**SPECIAL NEEDS REGISTERS**
		CARE PLANS
		CASEMIX/HRGs
		AUDIT
		RESEARCH
	INDIVIDUAL Doctor or clinical team	
		DECISION SUPPORT/ EXPERT KNOWLEDGE SYSTEMS

To ensure clarity and to avoid ambiguity and consequent miscoding the terms used to represent disorders in a classification system are often by necessity very unwieldy. The following is a diagnostic term used in the most widespread international diagnostic classification:

"Fetus and newborn affected by other malpresentation, malposition and

disproportion during labour and delivery."

It would undoubtedly be easier for an information system to manipulate a four- or five-character code than the original term. In this particular example, even a person may find it easier to use and remember the code P03.10 for this term. The use of coded data also makes comparison of information from different countries much simpler as the data becomes language independent. Applying codes to the terms in a given hierarchical classification, therefore, allows for easier storage, retrieval and analysis of large volumes of data whether by manual or electronic means.

There already exists a classification that was devised in an attempt to fulfil some of the above requirements. This is the International Classification of Diseases, (ICD), produced by the World Health Organisation. It has been available in various guises since 1893 and the most recent, the Tenth Revision of the International Statistical Classification of Diseases and Related Health Problems, (ICD-10), Volume 1 was published in 1992. Most, if not all, of the world's nations use ICD to classify and code national morbidity and mortality data. WHO then collate this data to produce an overall picture of the world's health.

The ICD is a classification of tremendous value for its original purpose but it has some clear deficiencies for clinical application. It is designed to be principally a classification of diseases that can "provide a common basis of classification for general statistical use; that is storage, retrieval and tabulation of data"[5]. It does not, however, provide the means to record other aspects of healthcare. For example, ICD provides no codes or terms for recording operations or other treatments. Nor does it contain terms for the administration of health services. It is a very broad ranging classification

intended primarily for use in the field of adult medicine. It does not therefore contain many of the terms needed to describe the different range of conditions seen in paediatric or other specialist practice. Because it is designed to get a 'world view' on health matters it often lumps together into one category rare conditions that do not individually have a great impact on the world's health. For the clinician who may be interested in collecting data on such rare conditions the ICD is, therefore, not the best tool.

Examples of this problem are particularly common in paediatrics, which deals with many rare conditions. ICD-10 has a heading *Other specified metabolic disorders* (E88.8). The new paediatric classification developed for this project has 27 subdivisions of this heading for various rare metabolic conditions. Data on none of these 27 conditions would be separately retrievable using ICD-10 as a system of classification.

ICD-10 also has a heading '*Congenital malformation syndromes predominantly affecting facial appearance*' (Q87.0). This has now been subdivided into 16 subdivisions to allow the individual retrieval of data on any of the 16 conditions.

Structure of ICD-9, ICD-10 and the previous paediatric adaptations

The ninth revision of ICD, ICD-9, (published in 1975), was divided into 17 main chapters separated into the following sections:

I *Infectious and parasitic diseases*

II *Neoplasms*

III	*Endocrine, nutritional and metabolic diseases and immunity disorders*
IV	*Diseases of the blood and blood-forming organs*
V	*Mental and behavioural disorders*
VI	*Diseases of the nervous system and sense organs*
VII	*Diseases of the circulatory system*
VIII	*Diseases of the respiratory system*
IX	*Diseases of the digestive system*
X	*Diseases of the genitourinary system*
XI	*Complications of pregnancy, childbirth and the puerperium*
XII	*Diseases of the skin and subcutaneous tissue*
XIII	*Diseases of the musculoskeletal system and connective tissue*
XIV	*Congenital anomalies*
XV	*Certain conditions originating in the perinatal period*
XVI	*Symptoms, signs and ill-defined conditions*
XVII	*Injury and poisoning*

There were also chapters entitled:

Supplementary classification of external causes of injury and poisoning
Supplementary classification of factors influencing health status and contact with health services
Morphology of neoplasms

There were other chapters detailing the history of ICD and the recommendations and regulations governing its use. Within each chapter were found lists of diagnoses grouped together in related categories. The individual conditions were assigned to specific three or, more commonly, four-digit codes. A separate volume contained all the listed conditions, (and

more), arranged in an alphabetical index.

The paediatric adaptation of ICD-9 followed the same structure but extra detail was made possible by allowing, where required, up to ten subdivisions of any ICD-9 code using an extra, (fifth), digit to specify that it was a specific paediatric code. Any additional terms had to be logically compatible with ICD-9 at the three and four-digit level of subdivision.

ICD-10 follows a very similar pattern although certain groups of conditions have been grouped together in different chapters than before. The chapters in ICD-10 are:

I	*Certain infectious and parasitic diseases*
II	*Neoplasms*
III	*Diseases of the blood and blood-forming organs and certain disorders involving the immune mechanism*
IV	*Endocrine, nutritional and metabolic diseases*
V	*Mental and behavioural disorders*
VI	*Diseases of the nervous system*
VII	*Diseases of the eye and adnexa*
VIII	*Diseases of the ear and mastoid process*
IX	*Diseases of the circulatory system*
X	*Diseases of the respiratory system*
XI	*Diseases of the digestive system*
XII	*Diseases of the skin and subcutaneous tissue*
XIII	*Diseases of the musculoskeletal system and connective tissue*
XIV	*Diseases of the genitourinary system*
XV	*Pregnancy, childbirth and the puerperium*
XVI	*Certain conditions originating in the perinatal period*

XVII *Congenital malformations, deformations and chromosomal abnormalities*

XVIII *Symptoms, signs and abnormal clinical and laboratory findings, not elsewhere classified*

XIX *Injury, poisoning and certain other consequences of external causes*

XX *External causes of morbidity and mortality*

XXI *Factors influencing health status and contact with health services*

ICD-10 also has a section on the morphology of neoplasms a separate volume for an alphabetical index and a third volume detailing the history of ICD and the rules and regulations regarding its use. Diagnoses in ICD-10 are again grouped together in related categories and individual terms are assigned to three or four-character codes. The codes in ICD-10 now commence with a letter rather than a digit as in most of the chapters of ICD-9.

Development of the previous paediatric classification

Recognising that the ICD fell far short of the requirements for paediatricians, the British Paediatric Association produced a supplement to ICD. A British paediatric classification was first available in 1962, known initially as the 'Cardiff Classification'. It was most recently revised extensively for publication in 1979. This combined a more detailed breakdown of diagnostic categories of interest to paediatricians with the elimination of diagnoses that are not commonly encountered in paediatric practice. In ICD-9, for example, the following conditions were all lumped together under the term *Lack of expected normal physiological development*, (ICD-9 code 783.4):

Delayed milestone
Failure to thrive
Lack of growth
Physical retardation
Short stature

Using ICD-9 it was impossible to collect data on these very different conditions. However, the concurrent BPA classification had the following subdivisions of 783.4:

783.40	Delayed milestones
783.41	Failure to thrive Lack of growth
783.42	Short stature, constitutional [hereditary]
783.43	Other short stature
783.48	Other (lack of expected normal physiological development)
783.49	Unspecified (lack of expected normal physiological development)

Thus, using the BPA classification, it was possible to identify separately, (and later retrieve information on), several different and important paediatric conditions. On the other hand, under the section on cerebrovascular disease, ICD-9 had 6 subdivisions of the principle term *Occlusion and stenosis of precerebral arteries* (ICD-9 code 433). Because of the great rarity of such conditions in childhood, the BPA classification did not list any of these 6 subdivisions but did include the principle term as a pointer to where to look for such rare eventualities in the full ICD-9.

Electronic paediatric classifications

Both the main ICD and the previous BPA adaptation of this have been issued primarily as printed books and do not, therefore, readily allow for computerised coding of terms. In the modern, technologically privileged environment of a 'first world' health service we cannot make best use of a system of classification and coding unless it is available in computerised format. Within UK hospitals and general practices, computers are being used increasingly in clinical settings. Such computers will eventually be linked together across an NHS-wide network to allow sharing of a vast variety of electronic data. Apart from free text, all of this data will need to be in some way coded. The idea of having such linked computers or *integrated clinical work stations*, (ICWS),[6] in every ward and consulting room in British hospitals is not a distant dream. It is likely that before the end of the decade much coding of clinical data will happen in a clinical setting at the time of the clinical episode. However, any new classifications produced must remain usable in a third world setting where computerisation may have a necessarily low priority.

There is now available a classification that covers a far broader range of healthcare activity than the ICD and is available only in computerised format. This is the Read Clinical Classification[7,8] that has been developed by Dr J D Read. It is being widely adopted throughout the National Health Service in Britain as the principal means of collecting health related statistical, epidemiological and administrative data. At the start of the project Read version 2 was available based upon ICD-9. The latest version of the Read classification, (version 3.1), contains all the diagnoses found in ICD-9

and ICD-10 and other classification systems plus a classification of signs and symptoms, clinical history, occupations, operative and other procedures, therapeutic drugs and other treatments, administrative work and other subjects. This latest version of the 'Read codes' aims to provide a complete thesaurus of clinical terms.[9] It differs from earlier versions in several ways; it is much larger; it incorporates ICD-10 but is not directly based upon that; it incorporates many terms from non-medical users; it is no longer a strictly hierarchical classification; it requires the combination of terms and separate qualifying statements to express some clinical terms; it requires more complex software and hardware to use it.

Because of its inclusion of signs, symptoms, social and family problems in addition to pathological diagnoses, the structure of the Read classification may be of particular benefit to paediatricians whose work often involves dealing with children lacking a traditional pathophysiological "diagnosis." The Read codes are supplied as what is described as a 'flat file' although it might be better described as a set of complex relational database files. The importance of this is that the Read codes cannot be used on their own, (unlike the new paediatric classification developed here), but require manipulation by other complex software. Because of the vast and ever increasing number of read terms and codes, systems using them generally require very powerful computer hardware to run it, (again unlike the new paediatric classification). The Read clinical classification must be incorporated into sophisticated software packages that can allow for rapid searching for terms within the classification and the automatic display of terms and their codes. Such a system can then provide automatic cross-referencing between the different classifications currently used. Coding packages using Read codes can also generate data for other systems, such as patient administration systems, special needs registers and clinical

information systems.

Systems using Read codes can be very powerful but are also very complex. Elaborate clinical concepts can be described using Read codes but may require the combination of a core term with various qualifying terms necessitating several steps to build up the term to be coded. For many clinicians a simple diagnostic classification such as the new paediatric one will be more appropriate for their needs.

As the diagnostic terms in the Read classification have been based on those in the ICD, it too in its original form was of limited use in paediatric practice. Recognising this fact, support was provided for this project to produce a new paediatric classification that would not only stand alone but could also be eventually incorporated into the Read Clinical Classification.

Reasons for adapting ICD-10

It is important to understand why it was decided to adapt ICD-10 rather than develop an entirely different classification for paediatric use.

The international origins of ICD-10 and its almost global use in different national coding systems meant that any new classification must be strictly compatible with ICD-10 if it were also to be accepted and used on an international basis. Several international groups base their data collecting systems on the BPA classification but need to remain compatible with ICD. The EUROCAT classification, for example, is a detailed diagnostic classification used throughout Europe by the EUROCAT project, (which is supported by the European Union), for the epidemiological surveillance of

congenital anomalies.[10] This classification has previously been adapted from the old BPA classification and the group intends to update their classification and base it upon this new paediatric classification.

The new paediatric classification follows the same pattern as ICD-10. More than ten subdivisions of a given ICD-10 code have been made possible by using both numbers and letters in the fifth-character position where necessary to accommodate all the required terms.

Problems with ICD-10

To consider why ICD-10 could not be simply used in its unadulterated form, it is worth examining some specific problems in detail.

(i) In some areas ICD-10 provides insufficient specificity because several concepts are assigned to one four-character code. In ICD-10 'Congenital malformations of cardiac septa' are subdivided into:

Q21.0 Ventricular septal defect
Q21.1 Atrial septal defect
Q21.2 Atrioventricular septal defect

The following are included at Q21.2 but are not individually retrievable using ICD-10:

Common atrioventricular canal
Endocardial cushion defect
Ostium primum atrial septal defect (type I)

The second of these included items, (*Endocardial cushion defect*), may be considered synonymous with the principal term at Q21.2, (*Atrioventricular septal defect*). However, the first and third items are separate subdivisions of Q21.2. This distinction is not made in ICD-10.

For those interested in congenital heart disease it would be useful to distinguish between a synonymous term and a subdivision. The following non-ICD extensions to the ICD-10 classification have been created as a result of this new work to allow these distinctions to be made and enable much more specific data to be collected. The synonymous term is also included but without a separate code:

Q21.2	Atrioventricular septal defect Endocardial cushion defect
Q21.20	Ostium primum atrial septal defect (type I)
Q21.21	Common atrioventricular canal
Q21.28	Other specified atrioventricular septal defect

It is worth noting here that ICD-10 terms are always given three or four-character codes and new paediatric terms are always given a five-character code. Also, by convention in ICD and related classifications the final digit '8' is reserved for a category of 'other' terms. This is to allow for the coding of terms that are not found in the classification but must be placed somewhere. Also by convention, the final digit '9' is reserved for the category of conditions that are not specified in any more detail than is given in the principal term one level further up the hierarchy. Thus, we could create a category *Q21.29 Unspecified atrioventricular septal defect*. However, as this would be indistinguishable from the term at Q21.2, this

convention has not been adopted here. Throughout this new paediatric classification a fifth-character '9' has different uses. Sometimes it is used as in ICD for an 'unspecified' category where this is thought to have some value. Sometimes it is simply another clinical entity where there are already at least 9 subdivisions of the four-character code above it.

(ii) Another problem arises with syndromes involving multiple body systems that can be very difficult to place logically in a classification. In ICD-10 all the syndromes in Group A below are assigned to Q87.0 *'Congenital malformation syndromes predominantly affecting facial appearance'*.

Acrocephalopolysyndactyly	}	
Acrocephalosyndactyly	}	
Cryptophthalmos syndrome	}	
Cyclopia	}	
Goldenhar	}	Group A
Moebius	}	
Oro-facial-digital	}	
Robin	}	
Treacher Collins	}	
Whistling face	}	

However, the syndromes in Group B, below, are assigned to Q87.1 *'Congenital malformation syndromes predominantly associated with short stature'*.

Aarskog	}	
Cockayne	}	
De Lange	}	
Dubowitz	}	
Noonan	}	Group B
Prader-Willi	}	
Robinow-Silverman-Smith	}	
Russell-Silver	}	
Seckel	}	
Smith-Lemli-Opitz	}	

Many children with diagnoses in Group A will have short stature and many in Group B will have abnormal facial appearance. For child health workers such groupings are arbitrary and meaningless and it will often be more helpful to be able to identify the specific syndrome than the very nonspecific ICD-10 grouping. The new paediatric classification incorporates most of these syndromes with a specific fifth-character extension.

(iii) In some areas ICD-10 places certain conditions in categories that would be considered inappropriate with today's understanding of the underlying pathophysiology. For example, ICD-10 classifies Zellweger syndrome to:

Q87.8 *Other specified congenital malformation syndromes, not elsewhere classified*

We now know that Zellweger's is the prototypal peroxisomal disorder and would be better allocated to the section on metabolic abnormalities in a

different chapter at E88.8. In the new classification that has been developed, this issue has been dealt with by referring to the omission at the place where the item would be expected to be found, (E88.8), and by noting at the place where it has actually been placed, (Q87.8), that related disorders can be found in another section, (E88.8). In the new version of the Read codes it has been possible to place such terms in their expected place so that they can be immediately identified when browsing through related conditions.

(iv) Similarly, conditions with more than one principal feature can only appear at one place in ICD-10. *Meckel-Gruber syndrome* has two principal features - occipital encephalocele and cystic kidney disease. ICD-10 classifies this to:

Q61.9 Cystic kidney disease, unspecified

In addition to making a reference to the condition under the section on encephaloceles, it has been possible to give this item its own code in the new classification. Within the new version of the Read codes it has been possible to have this condition and similar examples displayed at more than one place in the display hierarchy so that it can be identified when browsing through either relevant section.

(v) There are some topics where the definitions or words used in ICD-10 are not those that would be preferred by paediatricians. An example is found in the ICD classification of malnutrition which is divided into the following categories:

E40	Kwashiorkor
E41	Nutritional marasmus
E42	Marasmic kwashiorkor
E43	Unspecified severe protein-energy malnutrition
E44	Protein-energy malnutrition of moderate and mild degree
E44.0	Moderate protein-energy malnutrition
E44.1	Mild protein-energy malnutrition
E45	Retarded development following protein-energy malnutrition
E46	Unspecified protein-energy malnutrition

The British Paediatric Association Standing Committee on Nutrition recommends describing malnutrition purely in terms of its effect on height and weight using the following terms.

E43.X0	Severe nutritional wasting: <70% weight for height
E44.00	Moderate nutritional wasting: 70-80% weight for height
E44.10	Mild nutritional wasting: 80-90% weight for height
E45.X0	Severe nutritional stunting: <85% height for age
E45.X1	Moderate nutritional stunting: 85-89% height for age
E45.X2	Mild nutritional stunting: 90-95% height for age

It has been necessary to create subdivisions of the original ICD-10 codes to which the preferred new terms have been applied. To reduce confusion, the higher level three or four-character ICD-10 terms have been omitted. However, the new terms can be considered to be '*children*' of the ICD-10 terms and can be mapped to the same ICD-10 codes for comparison with those using the original ICD-10 rather than the paediatric adaptation.

On occasions, (as in the last example), an ICD-10 term has a three-character code and no subdivisions with a four-character code but a new subdivision of that three-character code has been added for paediatrics. In such cases, the new paediatric term has to have a five-character code for consistency and, therefore, the character 'X' has been added in the fourth position.

Relationship between Read codes, ICD-10 and related classifications

It is essential to realise the complementary nature of ICD-based specialty classifications such as this paediatric one and the Read clinical classification. Developers of information systems and those responsible for implementing them in the healthcare environment do not have to choose between one and the other. The two coding systems perform different functions and can both be used within the same information management system. The NHS Executive has confirmed that both Read and ICD-10 are essential within the national Information Management and Technology, (IM&T), strategy.

Sir William Farr might be credited with tremendous foresight when he said,[2] 'Several classifications may . . . be used with advantage; and the physician, the pathologist, or the jurist, each from his own point of view, may legitimately classify the diseases and the causes of death in the way that he thinks best adapted to facilitate his inquiries.' If we add to Farr's list of professionals - contracts manager for a trust, public health specialist and OPCS statistician, we can see why it is advantageous to maintain multiple simultaneous systems for classifying in medicine.

ICD-10 and related classifications are primarily useful for statistical and

epidemiological purposes. Within the hospital system, diagnostic data in this format is required for the Contract Minimum Data Set and for Hospital Episode Summaries. The Read clinical classification can perform this latter function through its mapping to ICD-10. However, the Read terms are being developed to the stage where they will form a complete thesaurus of clinical terms and will enable the construction of the Electronic Patient Record, (EPR). The electronic encoding of the terms needed for clinical language underlies the mechanism whereby Read codes will be used by 'Edifact.' This is planned to be an Electronic Data Interchange to allow the exchange of messages and other data across the proposed NHS-wide computer network. A further diagnostic coding system is used for Healthcare Resource Groups, (HRGs). The three coding systems can be seen as a continuum with Read being used for 'terming', ICD (and related classifications) being used for 'encoding' and HRGs for 'grouping'.

Chapter 2

Development of the new paediatric classification

Clearly, the classification of paediatric diagnoses needed to be improved, not least because the earlier classifications were based on diagnostic concepts formulated at least 20 years ago. This project aimed to determine the mechanism by which it could be improved and deliver a new classification as the final product.

It was seen to be essential that to establish this mechanism and produce a new classification of both clinical and epidemiological relevance the project had to be researched and coordinated by a medically qualified and paediatrically experienced practitioner. The research worker would have to work with many eminent paediatric specialists and would need to have a thorough understanding of the clinical relevance of their suggestions for inclusion in the new classification. Incompatibilities and conflicts between contributors needed to be viewed in a very broad clinical context and resolved to the satisfaction of all involved. A recognition of the vast range of clinical problems in paediatric practice was therefore fundamental to the task.

I attempted to establish the mechanism detailed below in order to produce an

up to date and original classification of paediatric diagnoses for the 1990's and beyond. It needed to be compatible with and serve as a supplement to ICD-10 and be much broader in scope than those paediatric classifications previously in use. It would, therefore, better serve the needs of hospital and non hospital-based clinicians. It would be available for the first time in computerised format both as an electronic book in 'hypertext'[1] format and as a paediatric subset of the Read classification.

The classification had to be usable throughout an integrated child health service, taking into account the varying needs of child healthcare professionals in the hospital, community and primary care settings.

The new classification of paediatrics would allow for the coding of diagnostic terms, problems, symptoms and other elements of the child's history. This would improve the breadth, accuracy and ease of data collection and coding in the field of child health.

The classification needed to be acceptable to all users - both those professionals generating the terms to be coded, usually clinicians and those recording the information in coded format. Traditionally the 'coding' has been done by medical coding officers but, increasingly, in an attempt to improve the accuracy of the data being generated, clinicians are becoming more directly involved in the process of diagnostic coding.

The classification needed to be comprehensive but not unwieldy and have a logically structured hierarchy allowing for easy identification of terms contained within.

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1. See page 30 for further details on hypertext.

Method

1. Preparatory phase.

The project began in April 1991 after the establishment of a project steering group. I was the research fellow and the rest of the membership of this group is given in appendix A.

Before beginning the main body of work of this project it was necessary to familiarise myself with the use of computers. I acquainted myself with the work of clinical coders in various Medical Records departments. I participated in a one week course on 'Project Management' which provided me with many ideas on the successful management of a project of this nature. Although no standard project management methodology was exactly relevant, I applied the principles learnt to ensure completion by logical progression.

I also reviewed the classifications available at the time the project was conceived. These included the earlier BPA classification, ICD-9, Read version 2 and later version 3.1, OPCS-4.2, (for operative procedures), Eurocat, (for congenital anomalies) and the McKusick catalogue, (for genetic conditions). None of these entirely met the requirements given above for a new paediatric classification but they all provided many useful concepts for inclusion. A comprehensive, modern, British dictionary was an invaluable resource for checking on synonyms, eponyms and acronyms.[11]

To ensure that the new classification for paediatrics is relevant to and,

therefore, usable by subspecialists within the field of child health I collaborated with nominated experts from each branch of paediatrics to work on each 'chapter' of the new classification.

The early part of my project was concerned with discovering and establishing links with these 'experts'. This was achieved by widely disseminating knowledge about the existence of the project throughout the paediatric establishment in the UK and soliciting responses from interested parties. To ensure that each coworker chosen had authority within their subspecialty, all links were made through the specialty groups affiliated to the British Paediatric Association.

I also worked closely with Dr Read and his staff, who provided much computing support and were responsible for the incorporation into the Read clinical coding system of the new ideas generated by this project and eventually the generation of a paediatric subset of the Read codes.

In addition, I established contacts with other groups involved in the classification and collection of data in the sphere of child health such as the Office of Population Censuses and Surveys, (OPCS), the World Health Organisation and groups in Europe and North America. It is envisaged that the new classification will have wide international application.

2. Formulation phase.

The principal material from which I gathered the concepts to be included in the new classification consisted of (i) ICD-10, (ii) the previous BPA Classification, (iii) the Read classification, version 2 and (iv) the individual

specialty classifications devised by myself and the representatives of each of the paediatric specialty groups. Different chapters were developed in different ways. For some chapters I produced the first draft classification, then submitted it for review to other experts in the field and then refined it in the light of their suggestions. For other chapters, I used preexisting specialty classifications as a starting point. For other chapters the nominated specialist for that section was asked to produce a first draft for me to then work on. For two chapters, (*Certain conditions originating in the perinatal period* and *Diseases of the genitourinary system*), I established small working parties where we collectively drew up a list of terms to be included and I then developed and refined the lists.

Combining the concepts from these various sources and generating a classification for each subspecialty was the next major phase of my project. Lists of terms for a particular topic from different sources would always contain major differences. Some authorities would use one preferred term for a condition and others would use a different term. Some groups would subdivide one topic into several different conditions, while others would have a different number of subdivisions and use different, often incompatible, terms. Often different authorities wished to divide items using an entirely different axis. James Read uses the analogy of 'teddy bears' when discussing this issue. Some experts may want to divide teddy bears into three classes; (i) brown bears, (ii) black bears and (iii) other coloured bears. Others may wish to classify them according to size; (i) large bears, (ii) medium sized bears and (iii) small bears. Yet other authorities may wish to group bears by country of origin or material from which they are made. To produce a classification of bears allowing for every combination of colour, size, origin and material would be technically possible but would produce a very unwieldy classification of limited value. It was my task to reconcile

such differences for paediatric conditions by reference to the current literature and discussion with various authorities and produce a new list that would be compatible with the principles of ICD-10 and would satisfy at least an acceptable majority of the relevant experts in each field.

After this I combined the various parts into a unified whole that fulfils the requirements to be hierarchical, structured and sufficient in detail and which does not have terms duplicated in different sections. I have endeavoured to ensure compatibility between this paediatric classification and the classifications used by other clinicians who may deal with the same children. This includes surgeons, (general, orthopaedic, plastic, ophthalmic, neurological, dental), obstetricians, general medical physicians, physiotherapists and many others. Where possible, this was achieved by sharing the new lists of paediatric terms with workers from other specialties, who were also working to improve the contents of the Read Clinical Classification.

All of the earlier classifications - ICD, BPA and Read version 1 and 2, were uniaxial. This means that each diagnostic term has its own unique single code, which may be composed of any number of digits and characters - usually 4 or 5. In multiaxial classifications diagnostic terms are broken down into separate elements, (eg body system, site and disease process), each of which is given a code. Several codes - possibly 3 pairs of digits/characters - are then strung together to designate a unique diagnosis. Uniaxial systems impose limitations on the detail in which patient data can be recorded unless a very unwieldy all embracing hierarchy covering every eventuality is developed. Consequently, the latest version of the 'Read codes', version 3.1, employs qualifiers to core terms in a multiaxial manner. For consistency, ease of international cross-referencing and data handling by the majority of

currently available computer software used in health services, the new BPA classification has remained a uniaxial one. Like the ICD, this classification, although uniaxial, employs a variable axis for different parts of the classification. In some sections it is organised according to body system. In other areas it is arranged according to the developmental or epidemic nature of the conditions.

3. Production phase.

The classification is available in three variations. As a book it is available in two versions; (i) on paper and (ii) on floppy disk in 'hypertext' format. Hypertext is the term used to describe a means of presenting audiovisual material, (in this case only text but sound and video images can be incorporated), via multiple interlinked 'pages' using a computer. The user moves from page to page via links embedded in the page just like using a menu on a computer screen. It has very recently become the standard means of presenting material for access via the *Internet*. It has several advantages over a paper book. Hypertext 'books' can be more rapidly and economically published and distributed. They can also be more easily updated and reissued. Searching for terms within a book electronically will usually be considerably quicker than leafing through an index and paper books do not always have an index. This hypertext book was produced using the authoring tool 'Orpheus'.[12] The paper version forms appendix C of this work and the electronic version is enclosed as a submission accompanying this document. Both include the complete classification to be used for paediatrics laid out in a hierarchical structure. The printed version will eventually include an alphabetical supplemental index of all the terms used in the classification that are not found in ICD-10. This supplemental index will be used along with an

index to ICD-10. I have secured funding for this task and a new project has been established to oversee this, which I shall be chairing. In the electronic hypertext format, the classification is extremely easy to use without an index using the in built word searching capability.

Finally, the new classification will appear in computerised format within the Read codes with all the advantages inherent in that software system. This new paediatric classification has formed the major diagnostic component of the paediatric input to the 'Clinical Terms Project.'[8,13] This was a national project to develop the latest version of the Read terms. The National Health Service Centre for Coding and Classification, (NHS CCC), is the branch of the NHS Executive Information Management Group responsible for developing the Read codes. It is committed to including all concepts in this new paediatric classification into the Read codes and to include cross references from Read codes to the 'BPA' codes attached to the terms in this classification.

Accompanying the new classification, I have produced an explanatory manual for users, which is included in Appendix C. This explains some of the background to the classification and gives guidance on the use of the classification and an explanation of abbreviations and symbols found in it. There is also a recommendation that users do not add extra codes for conditions they cannot find. It is important for national standardisation that users do not generate their own new terms and codes but feed their suggestions back for consideration of inclusion in further issues of the classification.

Evaluation of the new classification

Deficiencies in the new classification

Despite its advantages over other classifications, there are some things that this new paediatric classification cannot do.

There has been no attempt to define the diagnostic categories. Some terms are precise in their meaning for example *P07.01 Infant of birth weight 500-749g*. However, *D75.81 Reactive thrombocytosis* is a useful term to describe a common clinical occurrence but has not been defined. Any attempt to define every term in a classification of this size would require huge resources of time and manpower. By the time every definition was agreed, (if that were ever possible), it is likely that much of the classification would be out of date. Also precise definition of terms could have a negative effect in that those who could not agree with certain definitions may feel unable to use any part of the classification. Thus, not defining every category may actually allow more people to use such a classification. CIOMS and WHO are attempting to produce definitions for many diseases. These definitions are included in the International Nomenclature of Diseases, (IND), series. Within ICD-10, definitions are found only for the chapter on mental and behavioural disorders, (Chapter V). As it was not the intention that this work should unnecessarily duplicate ICD-10, these definitions have been reproduced in this paediatric classification in a very abbreviated form. Where possible the IND terminology has been adopted in the new paediatric classification, particularly for the greatly expanded section on metabolic disorders.

Secondly, although this classification is designed for use internationally, it has been developed by clinicians in the UK. There are some sections, therefore, which have been developed more than others. Paediatric tropical medicine experts, for example, may find that they would like to see more subdivision of the chapter on infectious diseases. It is planned that there will be regular updates to the classification to consider such developments.

Finally, there are some controversial areas where this classification differs substantially from ICD-10 and where there is no widespread agreement on how the subject should be classified. The issue of perinatal asphyxia, for example, is a very emotive topic. The very words used to describe such events can have long lasting medico-legal consequences. When an infant is born and is asphyxiated, it is often unclear at what point the asphyxiation occurred. Many authors feel that the asphyxial episode will often have preceded labour. An attempt has been made in this classification to describe the topic in terms that do not imply causation where the cause is not known with absolute certainty. Therefore, it will not be possible to try to infer from the diagnostic label the mechanism by which an infant may have suffered damage and thus lay blame for the outcome on any one involved in the process of parturition.

Trials of the new classification

Before publication of the classification it was necessary to test its usability. Two exercises were carried out to attempt to record the actual diagnostic terms used by clinicians. I related the given diagnostic term to the closest match in each of three classifications; (i) the old BPA classification, based on ICD-9, (ii) ICD-10 and (iii) this new classification. This was not intended to

be a test of the ability to accurately follow the extensive rules laid down by WHO for morbidity and mortality coding. Instead, it was a test of the completeness with which clinical terms could be identified in the three classifications. Where there was difficulty in classifying terms, I did *not* refer to the case notes, (although they were readily available), as I felt that would have introduced a degree of interpretation on my part thus making the exercise less useful. Clinical coding in hospitals is at present often done without ready access to the notes.

I aimed to test the functionality of the classification for both a subspecialty within child health and for general and neonatal paediatrics.

Test 1

The first set of terms were the diagnoses recorded on a ward-based database for all the children referred to a specialist regional paediatric oncology centre during 1994, (Southampton General Hospital). There were 64 children with 31 different diagnostic terms used. Only one diagnosis was recorded on the database for each child. The diagnoses had previously been gleaned from the data collection sheets completed by senior paediatric medical staff for each child passing through the department. They had then been entered on to the database by an experienced research nurse in paediatric oncology. The terms had not been chosen with the process of clinical coding specifically in mind. I was not involved in the process of allocating these diagnostic terms.

Table 2 shows the range of diagnostic terms used and the closest match using each classification. Table 3 shows the results of this matching process.

Table 2

Comparison of closest matches for 31 diagnostic terms, for 64 patients, (the number of each occurrence is given), in paediatric oncology using three different classifications.

For reasons of space many terms taken from the classifications have been abbreviated.

The degree or type of match is indicated in the columns headed 'M' according to the following system:

1 Easily found, excellent match
2 Reasonably close match
3 Specific mention of the condition *is* found in the index but reference is to a nonspecific code
4 No close match even in index
5 Specifically mentioned in *ICD-10 index* and specifically retrievable if morphology code is used in addition to main code
6 Close match in new classification but not as specific as term to be coded

Diagnostic term used	No	BPA classification equivalent	M	ICD-10 equivalent	M	New paediatric classification equivalent	M
Acute lymphoblastic leukaemia	15	Acute lymphoid leukaemia	2	Acute lymphoblastic leukaemia	1	Acute lymphoblastic leukaemia §	1
B cell leukaemia	1	Acute lymphoid leukaemia	2	Acute lymphoblastic leukaemia	2	Acute lymphoblastic leukaemia §	1
Acute myeloid leukaemia	4	Acute myeloid leukaemia	1	Acute myeloid leukaemia	1	Acute myeloid leukaemia §	1
Chronic myeloid leukaemia	1	Chronic myeloid leukaemia	1	Chronic myeloid leukaemia	1	Chronic myeloid leukaemia § [and 3 synonyms]	1
Hodgkin's disease	2	Hodgkin's disease	1	Hodgkin's disease	1	Hodgkin's disease	1
Wilms' tumour	4	Malignant neoplasm of kidney parenchyma	3	Malig neo kidney, except renal pelvis	5	Wilms' tumour [and one synonym]	1
Renal cell carcinoma	1	Malignant neoplasm of kidney parenchyma	4	Malig neo kidney, except renal pelvis	5	Renal cell carcinoma	1
Neuroblastoma	5	Malignant neoplasm of adrenal	3	Various choices dependent on site	5	Neuroblastoma [specific codes at diff sites]	1
Rhabdomyosarcoma	2	Mal neo of connective & other soft tiss	3	Various choices dependent on site	5	Rhabdomyosarcoma [spec codes at diff sites]	1
Primitive neuroectodermal tumour	5	Malignant neoplasm of brain,unspecified	4	Malignant neoplasm of brain	5	Primitive neuroectodermal tumour §	1
Neuroectodermal tumour	1	Unclassifiable without further info.n	?	Unclassifiable without further info.n	?	Unclassifiable without further information	?
Medulloblastoma	1	Malignant neoplasm of cerebellum	3	Malignant neoplasm of brain	5	Medulloblastoma	1
Pilocytic astrocytoma	3	Malignant neoplasm of brain,unspecified	4	Malignant neoplasm of brain	5	Astrocytoma	6
Anaplastic astrocytoma	1	Malignant neoplasm of brain,unspecified	4	Malignant neoplasm of brain	5	Astrocytoma	6
Anaplastic ependymoastrocytoma	1	Malignant neoplasm of brain,unspecified	4	Malignant neoplasm of brain	5	Ependymal tumours	6
Gliomatosis cerebri	1	Malignant neoplasm of brain,unspecified	4	Malignant neoplasm of brain	5	Other glioma	4
Cerebral hemisphere tumour	1	Neop cereb hemisphere of unspec nature	2	Neo uncertain/unknown behav-brain	2	Neo uncertain/unknown behav-brain-supratentor	6
Osteogenic sarcoma	1	Malig neo bone & articular cart, unspec	3	Malignant neoplasm of bone	5	Osteosarcoma [Osteogenic sarcoma]	1
Ewing's sarcoma	2	Malig neo bone & articular cart, unspec	3	Malignant neoplasm of bone	5	Ewing's sarcoma	1
Hepatoblastoma	1	Malignant neoplasm of liver	3	Hepatoblastoma	1	Hepatoblastoma	1

§ The common abbreviation for this condition is also included, to aid electronic searches.

Table 2 continued

Comparison of closest matches for 31 diagnostic terms, for 64 patients, (the number of each occurrence is given), in paediatric oncology using three different classifications.

For reasons of space many terms taken from the classifications have been abbreviated.

The degree or type of match is indicated in the columns headed 'M' according to the following system:

1 Easily found, excellent match
2 Reasonably close match
3 Specific mention of the condition *is* found in the index but reference is to a nonspecific code
4 No close match even in index
5 Specifically mentioned in *ICD-10 index* and specifically retrievable if morphology code is used in addition to main code
6 Close match in new classification but not as specific as term to be coded

Diagnostic term used	No	BPA classification equivalent	M	ICD-10 equivalent	M	New paediatric classification equivalent	M
Lymphangioma/haemangioma	1	Haemangioma	3	Haemangioma	2	Haemangioma	6
Lymphangioma/tosis	1	Lymphangioma	3	Lymphangioma	2	Lymphangioma	6
Fibroblastic/histiocytic lesion	1	Neop connective tissue of unspec nature	4	Neo of uncertain or unknown behaviour	4	Neoplasms of uncertain or unknown behaviour	4
Osteopetrosis	1	Osteopetrosis	1	Osteopetrosis [and one synonym]	1	Osteopetrosis [and two synonyms]	1
Aplastic anaemia	1	Aplastic anaemia	1	Aplastic anaemia	1	Aplastic anaemia	1
Inflammation of left orbit	1	Acute inflammation of the orbit	1	Acute inflammation of orbit	1	Acute inflammation of orbit	1
Beckwith Wiedemann syndrome	1	Con mal synd with metabolic disturbance	3	Con mal sy involving early overgrowth	3	Beckwith-Wiedemann syndrome	1
Aniridia	1	Aniridia	1	Aniridia	1	Aniridia	1
Mesenteric adenitis	1	Nonspecific mesenteric lymphadenitis	2	Nonspecific mesenteric lymphadenitis	2	Nonspecific mesenteric lymphadenitis[+synonym]	1
Teratoma	1	Various choices dependent on site	3	Various choices dependent on site	3	Various choices dependent on site	1
Langerhans' cell histiocytosis	1	New terminology encompasses 6 codes	4	Langerhans's cell histiocytosis *	2	Langerhans' cell histiocytosis * §	1

* In ICD-10, Letterer-Siwe disease is excluded from the principle code for Langerhans' cell histiocytosis, although this is now included by most authors under the umbrella term 'LCH'. In the new paediatric classification attention has been drawn to this.
§ The common abbreviation for this condition is also included, to aid electronic searches.

Table 3

The degree of match for each term in Table 2 using each classification is summarised here. It should be noted that the numerical scoring system used is nonlinear.

'Degree of match'	Old BPA classifn.	ICD-10	New paed. classifn.
1 Easily found, excellent match	7	9	22
2 Easily found, close match	4	6	0
3 Indexed to nonspecific term	11	2	0
4 No close match even in index	8	1	2
5 Indexed with specific morphology code but not in tabular list of terms	0	12	0
6 **Close match but not as specific as ICD-10 using morphology codes**	0		6
?	1	1	1
Total	31	31	31

Using the old BPA classification, (based upon ICD-9 and in use until April 1995 in England and Wales), it was only possible to find a match that was *at least* reasonably close in the main body of the classification for 11 of 31 terms, (35%). For a further 11 terms there was specific mention in the index but once the terms were coded specificity was lost and it would be impossible to retrieve the original terms from coded data. For 8 terms, (26%), it was not possible to find any similar term in the main classification or in the index and it would again be impossible to retrieve the original terms from coded data.

Using ICD-10 it was possible to find *at least* a reasonably close match, using a single code from the main body of the classification for 15 terms, (48%). Using the index to ICD-10, it was possible to specifically identify a further 12 terms, (39%). However, these terms could not be retrieved from coded

data unless both the principal ICD-10 code and the International Classification of diseases for Oncology, (ICD-O), morphology code were recorded. This morphology classification is reproduced in ICD-10. There was only one, (very imprecise), term for which no suitable match could be found.

Using the new paediatric classification developed for this project it was possible to find an excellent match for 22 terms, (71%). There were a further 6 terms, (19%), for which there was a reasonably close match but for which ICD-10 could potentially provide better specificity if ICD-O morphology codes were also recorded separately. There were 2 terms for which no reasonable match could be found and one of these was again very imprecise.

Overall, it can be seen that both ICD-10 and the new paediatric classification represent considerable improvements over the old BPA classification, (and presumably ICD-9). The two new classifications have different advantages. If a recording system is in use that can accommodate both the code for the ICD-10 principal term and a separate morphology code for each diagnosis then ICD-10 can usefully provide a match for 27 of the 31 terms, (87%), used for this test. The new paediatric classification does not allow for separate morphology coding, (although they are often given within the classification), and only gave a close *and* specific match for 22 of the 31 terms, (71%). However, if a system is being used which can only accommodate one code for each diagnostic term, (which is more commonly the case), ICD-10 could only provide a close match for 15, (58%), of the terms, whereas the new paediatric classification was able to match 22, (71%). For other paediatric specialties where ICD-10 does not provide an alternative morphology code, it is likely that the advantages of the BPA

classification over ICD-10 would be even greater.

Test 2

For the second test, I used diagnostic data from the paediatric department of a small district general hospital, (Borders General Hospital, Melrose). The diagnoses, often more than one for each child, were recorded by the junior paediatric medical staff at the time of discharge. Although it was known that the terms would be used for clinical coding, the terms were chosen from individual, natural clinical language and not from any diagnostic classification. These diagnoses were then checked by a consultant paediatrician before the forms were sent to the hospital clinical coding department. I retrieved all the forms for admissions over a three week period in February and March 1995. The forms were anonymised and I attempted to match the terms in the same manner as for the oncology terms.

Table 4 shows the terms and appropriate matches. Table 5 shows the result of this matching process.

Table 4

Comparison of closest matches for 85 diagnoses, (using 65 different diagnostic terms), for 56 patients in general and neonatal paediatrics using three different classifications.

For reasons of space many terms taken from the classifications have been abbreviated.

The degree or type of match is indicated in the columns headed 'M' according to the following system:

1 Easily found, excellent match
2 Reasonably close match
3 Specific mention of the condition *is* found in the index or the terms included below a main term but reference is to a nonspecific code
4 No close match even in index
7 Poor match

Diagnostic term used	No	BPA classification equivalent	M	ICD-10 equivalent	M	New paediatric classification equivalent	M
Cerebral atrophy	2	No match	4	Brain atrophy	2	Cerebral atrophy, unspecified	1
Learning difficulties	2	Delay in development, unspecified	2	Develop dis of scholastic skills,NOS[$]	2	Developmental disord of scholastic skills, NOS	2
Cerebral palsy	2	Infantile cerebral palsy, unspecified	1	Infantile cerebral palsy, unspecified	1	Infantile cerebral palsy, unspecified	1
Autism	1	Infantile/childhood autism	1	Childhood autism	1	Atypical autism	1
Viral gastroenteritis	3	Intestinal inf due to other organism	3	Viral gastroenteritis, unspecified	1	Viral gastroenteritis, unspecified	1
Gastroenteritis	3	Diarrhoea of presumed infectious origin	2	Gastroenteritis, unspecified	1	Gastroenteritis, unspecified	1
Tonsillitis	2	Acute tonsillitis	1	Acute tonsillitis, unspecified	1	Acute tonsillitis, unspecified	1
Pneumonia	1	Pneumonia, organism unspecified	1	Pneumonia, unspecified	1	Pneumonia, unspecified	1
Lower resp tract infection	1	Pneumonia, organism unspecified	7	Unspecified acute lower resp infectn	1	Unspecified acute lower respiratory infection	1
Bronchiolitis, RSV positive	2	Acute bronchiolitis, (unspecified)	2	Acute bronchiolitis, due to RSV	1	Acute bronchiolitis, due to RSV[and 1 synonym]	1
Urinary tract infection	1	Urinary tract infection, site unspecifd	1	Urinary tract infection, site unspecd	1	Urinary tract infecn,site unspec[plus acronym]	1
Otitis media	1	Otitis media, unspecified	1	Otitis media, unspecified	1	Otitis media, unspecified	1
Cellulitis left hand and forearm	1	Other cellulitis and abscess	7	Cellulitis of other parts of limb	3	Cellulitis [user is referred to ICD-10]	7
Chickenpox	1	Chickenpox	1	Varicella [chickenpox] NOS	1	Varicella [chickenpox] NOS	1
Glandular fever	1	Infectious mononucleosis	2	Infectious mononucleosis, unspecified	1	Infectious mononucleosis, unspecified	1
Viral URTI	1	Acute upper resp infection, site unspec	2	Acute upper resp infection, unspecifd	2	Acute upper resp infection, unsp[plus acronym]	2
Viral croup	1	Acute bronchitis	3	Acute obstructive laryngitis [croup]	2	Acute laryngotracheobronchitis [croup]	1
Gp A streptococcal sepsis	2	Streptococcal septicaemia	7	Streptococcal infection, unspecified	2	Septicaemia due to group A streptococci	2
Gp A Strep URTI[1] and wheeze[2]	1	1 Streptococcal sore throat	2	Streptococcal pharyngitis	2	Streptococcal pharyngitis	2
	1	2 Dyspnoea & respiratory abnormalities	3	Wheezing	1	Wheezing	1

[$] NOS is abbreviation used by ICD for 'not otherwise specified'. This is the same as 'unspecified'.

Table 4 continued

Comparison of closest matches for 65 diagnostic terms, for 56 patients in general and neonatal paediatrics using three different classifications.

For reasons of space many terms taken from the classifications have been abbreviated.

The degree or type of match is indicated in the columns headed 'M' according to the system noted above.

Diagnostic term used	No	BPA classification equivalent	M	ICD-10 equivalent	M	New paediatric classification equivalent	M
Wheezy baby[1] +/-mild viral LRTI[2]	1	1 Dyspnoea & respiratory abnormalities	3	1 Wheezing	1	1 Wheezing	1
	1	2 Other dis of resp system, NEC[#]	4	2 Unspecified acute lower resp infectn	2	2 Unspecified acute lower respiratory infection	2
? ingest paracetamol, none found	1	Poisoning by aromatic analgesics	7	Poisoning by 4-Aminophenol derivative	3	Paracetamol poisoning	1
?acc paracetamol ing,none found[$]	1	Poisoning by aromatic analgesics	7	Poisoning by 4-Aminophenol derivative	3	Paracetamol poisoning	1
Accidental overdose Calpol	1	Poisoning by aromatic analgesics	7	Poisoning by 4-Aminophenol derivative	3	Paracetamol poisoning	1
Right hydrocele [in infant]	1	Congenital hydrocele	1	Congenital hydrocele	1	Congenital hydrocele [plus one subdivision]	1
Failure to thrive	1	Failure to thrive	1	Other lack of expected norm phys dev	3	Failure to thrive	1
Respite care	3	No match	4	Holiday relief care / respite care	1	Holiday relief care / respite care	1
Flow murmur	1	Functional&undiagnosed cardiac murmurs	2	Benign and innocent cardiac murmurs	2	Benign and innocent cardiac murmurs	2
Innocent cardiac murmur	1	Functional&undiagnosed cardiac murmurs	2	Benign and innocent cardiac murmurs	2	Benign and innocent cardiac murmurs	2
Exacerbation of asthma	2	Asthma, unspecified[*]	7	Asthma, unspecified	7	Asthma, unspecified [5 subdivisions available]	2
Asthma	4	Asthma, unspecified	7	Asthma, unspecified	1	Asthma, unspecified [5 subdivisions available]	1
Acute asthmatic attack	1	Asthma, unspecified	7	Asthma, unspecified	2	Asthma, unspecified [5 subdivisions available]	2
Acute gastritis	1	Acute gastritis	1	Other acute gastritis	1	Other acute gastritis [also 3 subtypes]	1
Alcohol intoxication	2	Nondependent abuse of alcohol	2	Acute intoxication due to alcohol	1	Acute intoxication due to alcohol	1
Cannabis intoxication	1	Nondependent abuse of cannabis	1	Acute intoxication - cannabinoids	2	Acute intoxication due to cannabis	1
Post-viral syndrome?	1	No match	4	Postviral fatigue syndrome	1	Postviral fatigue syndrome	1
Short stature	1	Short stature, constitutional	2	Short stature, not elsewhere classifd	2	Short stature, unspecified	1
Pyloric stenosis	1	Congenit hypertrophic pyloric stenosis	1	Congen hypertrophic pyloric stenosis	1	Cong hypertrophic py stenosis [plus synonyms]	1
Pyrexial illness ? aetiology	1	Pyrexia of unknown origin	1	Fever, unspecified	2	Fever, unspecified [plus synonyms]	1

[*] The classification of asthma has changed considerably since the last BPA classification was produced and, although it is possible to find similar wording in the old BPA classification, the meaning has changed so much that it could only be considered at best a 'poor match' to any current description of asthma.

[$] Uncertainty of diagnosis is not codable using any of these systems and must therefore be ignored. With certain specific exceptions, it is also not usually possible to take account of qualifying terms such as right or left or mild, moderate or severe.

[§] For poisoning and other injuries ICD uses two codes, one to indicate the effect of poisoning or injury and another to indicate the agent causing it and the intent behind the injury. The old BPA classification did not include the classification of causes and intent but, in limited form, this is found in the new paediatric classification.

[#] Not elsewhere classified. This is an ICD phrase to cover diagnoses that can not be better placed elsewhere.

Table 4 continued

Comparison of closest matches for 65 diagnostic terms, for 56 patients in general and neonatal paediatrics using three different classifications.

For reasons of space many terms taken from the classifications have been abbreviated.

The degree or type of match is indicated in the columns headed 'M' according to the system noted above.

Diagnostic term used	No	BPA classification equivalent	M	ICD-10 equivalent	M	New paediatric classification equivalent	M
Birth asphyxia[1] 2° to APH[2]	1	[1] Unspecified birth asphyxia in infant	1	[1] Birth asphyxia, unspecified	1	[1] Birth asphyxia, unspecified [#]	1
	1	[2] Fetus or newborn affected by APH,NOS	1	[2] Newb affected by other plac haemorr	3	[2] Newb affected by APH and other plac haemmorh	2
Meconium aspiration	1	Meconium aspiration	1	Neonatal aspiration of meconium	1	Neonatal aspiration of meconium [+ 2 synonyms]	1
Convulsions[1] 2° Birth asphyxia[2]	1	[1] Convulsions in newborn	1	[1] Convulsions of newborn	1	[1] Convulsions of newborn [also two subtypes]	1
	1	[2] Unspecified birth asphyxia in infant	1	[2] Birth asphyxia, unspecified	1	[2] Birth asphyxia, unspecified [#]	1
Jaundice of prematurity	1	Neon jaun associated with prem delivery	1	Neon jaun associated with prem deliv	1	Neo jaun associated with prem del[and synonym]	1
Physiological jaundice	1	Physiological jaundice, NOS in newborn	1	Neonatal jaundice, unspecified	2	Neonatal jaundice, unspecified	2
Premature, 35 weeks gestation	2	Other preterm infants	7	Other preterm infants	7	An infant of 32 to 37 weeks	2
Premature	1	Other preterm infants	2	Other preterm infants	2	Prematurity NOS	1
Birth weight 2.37 kg	1	Other preterm infants	4	Other low birth weight	7	Infant of birth weight 1500g to 2499g	2
Large for dates	1	Other "heavy for dates" infants	1	Other heavy for gestational age infs	1	Other heavy for gestational age infants	1
Poor feeding [neonate]	1	Unspecified feeding problem in newborn	1	Feeding problem of newborn, unspecifd	1	Feeding problem of newborn, unspecified	1
Possible choking episode	1	No match	4	Foreign body in resp tract, part unsp	7	Foreign body in resp tract, part unspecified	7
IUGR[1] 2° to maternal PIH[2]	1	1 Fetal growth retardation, unspecified	2	Slow fetal growth, unspecified	2	Slow fetal growth, unspecified[plus synonyms]	1
	1	2 Fetus or newb affected by mat hypert	2	Fetus & newb affected by mat hyperten	2	Fetus & newb affected by mat hypert [+synonym]	1
Hypothermia [in infant]	1	Other hypothermia of newborn	2	Hypothermia of newborn, unspecified	1	Hypothermia of newborn, unspecified	1
Hypothermia [adolescent]	1	Hypothermia (accidental)	1	Hypothermia (accidental)	1	Hypothermia (accidental)	1
?Apnoeic episode [in infant]	1	Apnoeic attacks	1	Other apnoea of newborn	1	Other apnoea of newborn[plus two subdivisions]	1
Niemann Pick disease Type C	1	Lipidoses	3	Other sphingolipidosis	3	Other Niemann-Pick's disease [types C and D]	1
Seizure disorder	3	Epilepsy, unspecified	1	Epilepsy, unspecified	1	Epilepsy, unspecified	1
Epilepsy	1	Epilepsy, unspecified	1	Epilepsy, unspecified	1	Epilepsy, unspecified	1
Headache ?migraine	1	Migraine, unspecified	2	Migraine, unspecified	2	Migraine, unspecified	2
Febrile convulsion	1	Febrile convulsion	1	Febrile convulsion	1	Febrile convulsion [also two subtypes]	1
Abdominal pain	1	Abdominal pain	1	Other and unspecified abdo pain	2	Other and unspec abdo pain [also 4 subtypes]	1
Musculoskeletal/hip pain	1	Pain in joint	7	Pain in joint	7	Pain in joint [plus synonym]	1

[#] There is extensive guidance in the new paediatric classification regarding the use of the relevant categories for perinatal asphyxia.

Table 5

The degree of match for each term in Table 4 using each classification is summarised here. It should be noted that the numerical scoring system used is nonlinear.

'Degree of match'	Old BPA classifn.	ICD-10	New paed classifn.
1 Easily found, excellent match	28	34	49
2 Easily found, close match	15	19	14
3 Indexed to nonspecific term	5	7	0
4 No close match even in index	6	0	0
7 Poor match	11	5	2
Total	65	65	65

Using the old BPA classification an excellent match was found for 28 of 65 terms, (43%) and *at least* a close match for 43 of 65, (66%). For 5, (8%), diagnoses an appropriate term could be found in the index but the reference was to a nonspecific term and, therefore, coded data could not be used to specifically identify the condition being coded. In 11, (17%), terms only a very poor match could be found and for 6, (9%), terms no appropriate match existed anywhere in the old BPA classification.

In ICD-10 an excellent match could be found for 34, (52%), terms and *at least* a close match was found for 53, (82%). 7, (11%), terms were found in the ICD-10 index but again were referenced to a nonspecific term preventing subsequent retrieval of coded data. For 5, (8%), diagnoses only a poor match was identified. There were no terms that could not really be coded at all.

In the new paediatric classification an excellent match was found for 49,

(75%), of terms and *at least* a close match for 63, (97%). For 2, (3%), of terms there was only a poor match and there were no terms for which no match could be found.

Again both ICD-10 and the new paediatric classification were significantly better than the old ICD-9 based BPA classification. For this group of general paediatric patients it was also much more likely that a given diagnosis would be matchable to a specific term in the new classification than in ICD-10. Although such differences were not scored in the matching process, the new classification often gave more synonyms or abbreviations than was available in ICD-10. There were also many examples where further detail was available at a further level of subdivision in the new classification if users wished to record such detail.

Critical review process

On completion of the classification to the satisfaction of paediatricians it was necessary to validate its ICD-10 compatibility. It was essential to check that any new terms not found in ICD-10 that had been allocated to a new subdivision of an ICD-10 code had been correctly assigned. The classification was submitted to WHO for checking in March 1994. This process was carried out initially by workers in the WHO offices in Geneva and subsequently by those from OPCS, which is the official WHO office for ICD coding in the UK. Any inconsistencies identified by these outside agencies were then incorporated by me into the next draft of the new classification. This was then resubmitted to OPCS in May 1994. The classification was received back from OPCS in April 1995 and after final amendments was made available for publishing in April 1995.

The usability of the hypertext version of the classification was informally assessed. Naive users were first asked to draw up a list of 10 diagnoses from any branch of paediatrics. They were then asked to start the hypertext browsing programme supplied and to work their way through the various screens until they reached the classification file. They then had to use the in built number/text search facility to identify the closest match to the diagnoses they had written down. As with any new software there was a need to spend sometime learning how to use the programme. There were some criticisms of the functionality of the search facility which was not entirely intuitive. Nevertheless, users rapidly found that they could use the programme satisfactorily. To ensure accurate coding it would be necessary to ensure that more time was spent learning some of the rules of coding as explained on the disk and in the accompanying manual.

Preparation for future releases

After publication of the classification there will be a process of soliciting constructive criticism from users, such as clinicians and administrative staff and from classification and coding authorities. A process is being established to deal with the issues that will be raised in this way and to incorporate any necessary changes into subsequent releases of the classification.

Conclusion

It is to be hoped that with the completion of this project there is no doubt that the classification of paediatrics has been improved by the mechanisms

outlined above.

It is anticipated that the classification will be widely used for clinical practice, research purposes and administration not only in this country but internationally. There have already been enquiries from clinicians in several countries regarding this new paediatric classification, including Germany, The Netherlands, Switzerland, Finland, Canada and Australia. Considerable interest has been shown in several other countries in adopting the Read Clinical Classification which will include all the concepts in this new paediatric classification.[14,15] The New Zealand national health service is planning to implement Read codes as their national coding system in the very near future. Emerging health services such as that in one of the world's newest states, Slovenia, are also exploring the Read codes.

ICD-10 and previous revisions of the ICD have incorporated certain ideas from previous paediatric adaptations and it is expected that WHO will embrace some of the ideas that have been developed in this classification when ICD-11 is produced.

Finally, because of its computerised nature the classification will have the facility for dynamic updating and need therefore never again become 'out of date'. There will, consequently, be an ongoing need for paediatric input to review suggested modifications. The author plans to have continuing involvement in this process.

Appendix A

Membership of BPA classification project steering group.

1. Dr P A G Crawshaw, Research Worker.
2. Dr K L Dodd, Consultant Paediatrician, Derby, Chairman.
3. Dr U M MacFadyen, Consultant Paediatrician, Leicester, (also supervisor for my MD thesis).
4. Dr D A Walker, Consultant Paediatrician and Senior Lecturer, Nottingham.
5. Dr Chris Payne, Deputy Director, National Health Service Centre for Coding and Classification, Loughborough.
6. Mrs Linda Haines, Research Secretary, British Paediatric Association.

Appendix B

Glossary of abbreviations

BPA	British Paediatric Association
BPASU	British Paediatric Association Surveillance Unit
DoH	Department of health
CIOMS	Council for International Organizations of Medical Sciences
EPR	Electronic Patient Record
EUROCAT	European Register of Congenital Anomalies (and Twins)
HRGs	Healthcare Resource Groups
ICD	International Classification of Diseases
ICD-9	International Classification of Diseases, ninth revision, 1975
ICD-10	The Tenth Revision of the International Statistical Classification of Diseases and Related Health Problems, 1992
ICD-O	International Classification of diseases for Oncology
ICWS	Integrated Clinical Work Station
IM&T	Information Management and Technology
IND	International Nomenclature of Diseases
NHSCCC	National Health Service Centre for Coding and Classification
OPCS	Office of Population Censuses and Surveys,
OPCS-4.2	Office of Population Censuses and Surveys, Classification of surgical operations and procedures. Fourth revision.
RCC	Read Clinical Classification
WHO	World Health Organisation

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Appendix C

A new paediatric classification of diseases and other problems.

This section includes the classification which arose as a result of this work. It appears in manuscript format in the latter part of this book and in disk format as an enclosure in a pocket inside the cover of this thesis.

British Paediatric Association Classification of Diseases and Other Problems

A Paediatric adaptation of ICD-10,
(The International Statistical Classification of Diseases and Related Health Problems,
Tenth Revision, 1992).

1996

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This classification could not have been produced without the cooperation of those at WHO offices in Geneva who are responsible for the publication of ICD-10 and who allowed access to pre-publication copies of ICD-10 upon which this paediatric adaptation is based. Final validation of the technical compatibility of this classification with ICD-10 was carried out by OPCS who are the representatives of WHO in the UK regarding issues of classification.

Preface

This paediatric diagnostic classification is available in both printed paper and computer software formats. Users of one version do not need access to the other, although many may find it convenient to have both. Initially the paper edition will only be available without an index. The disk version has a rapid word search facility reducing the need for an index.

The disk version occupies about 1Mb of disk space and can be run from the hard or floppy disk on any IBM compatible PC with a 1.4Mb floppy disk drive, at least 640K memory and a CGA or better screen. Although not essential, the programme is much easier to use with a mouse. There is comprehensive on line help to explain the use of the hypertext browsing programme. The file README.BPA on the disk explains the procedure for getting started with the programme and installing it on a hard disk if desired.

As an indicator of the breadth of material covered, one can browse the list of chapter headings and broad groups of three-character categories which can be found in this instruction manual. The list of all three-character categories which have been included is in Appendix 1 of the paper version of the tabular lists. In the disk version the broad groups and three-character categories can be browsed via the 'Diagnostic tabular lists' field.

The BPA is planning to produce updates to the classification on a regular basis. Users of the classification are invited to submit comments and suggestions for items to be included or removed to the BPA. Updates will usually only be published in the electronic format. *Registered* users of the disk version will be kept informed of any updates.

Contents

BPA Classification of Diseases and other Problems

April 1995

Introduction

The British Paediatric Association has produced an extended diagnostic classification based on the International Classification of Diseases, (ICD), since 1962. This completely revised edition of the BPA classification represents an update of earlier work. It has also been a major component of the paediatric input to the Read codes, Version 3.1 released in April 1995.

Those who do not have access to an automated diagnostic coding system and are using this book for manual coding need to be aware of certain details. The classification has been produced as a paediatric adaptation of The International Statistical Classification of Diseases and Related Health Problems, Tenth Revision, (ICD-10), published by the World Health Organisation, 1992. ICD started as a statistical classification but has gradually developed to be of more use for clinical purposes. Nevertheless, there remain sections of ICD-10 that are not classified in a way that all clinicians find useful. However, we have followed the format of ICD-10 so that the BPA classification is compatible with others nationally and internationally. It is difficult to accommodate some of the diagnostic concepts required by some paediatric specialists within this structure. The Read codes are not constrained to fit this structure and alternative hierarchical concepts can be readily integrated within the Read codes with cross-referencing to ICD.

The Read codes form an electronic thesaurus of clinical terms for use in computerised health care systems. They enable the coding and classification of procedures, treatments and many aspects of health care other than diagnoses. The terms are cross-referenced to other major classifications, including ICD-9 and 10, OPCS4 and eventually to the BPA classification. Expert paediatric input to the Read codes has been vital for them to be of value to those working with children.

It is planned that all the terms in this book will have a counterpart in the paediatric subset of the Read codes. However, within the latter, some complex BPA classification terms are broken down into their various components. This requires users to identify a principle term and a number of qualifying statements and values that together are equivalent to one BPA term.

In due course the Read codes will be cross-mapped to the codes in this book. Read code users will, therefore, find this book a useful reference.

The BPA classification is both a contraction of ICD-10, omitting those terms not commonly encountered in paediatric practice, and an expansion of those sections of ICD-10 where extra detail is required. The rubrics used are identical to those in ICD-10 at the three and four-character code level of

subdivision and compatible with ICD-10 at the five-character code level.

It has been produced primarily for paediatricians practising in areas other than developing countries. In some sections it is inadequate to cover conditions encountered frequently in children in those countries, for example certain infectious and parasitic diseases, for which reference to the full ICD-10 will be necessary. Similarly, for a condition occurring in a child that would usually be seen in an adult, further detail may be available in ICD-10.

There have been several changes in this edition of the BPA classification. There have been extensive alterations to the diagnostic lists. There is no longer a separate Perinatal Supplement and, like ICD-10, the classification is now alphanumeric. This allows for the inclusion of far more specialist terms. Nevertheless, this classification can not accommodate every condition known to occur in children although this is the eventual aim of the Read codes.

We have again worked with Dr.Josephine Weatherall from Eurocat to ensure continuing compatibility with the Eurocat classification of congenital anomalies.

Notes on use

(i) As in ICD, developmental problems are classified within Chapter V, *Mental and behavioural disorders* in section F80-F89, *Disorders of psychological development*.

(ii) The BPA classification, like most others, follows the general rule that, (with certain exceptions), a rubric can only appear in one place in the classification. The Read codes version 3.1 will allow the same term to be placed in more than one place in different parts of the complete system. *Kartagener's syndrome* could, therefore, appear under *congenital cardiac anomalies*, and under sections on *bronchiectasis* and *sinusitis*. A single term will continue to have just one Read code, no matter in how many places it appears within the display hierarchy. This is similar to the long standing ICD manoeuvre of † and * coding but allows much greater flexibility, (see below for explanation of these symbols).

(iii) There are examples where the designated 'preferred' term in the Read codes differs from the primary term in the BPA classification. This usually arises when the term in common clinical usage in the UK differs from that used in ICD-10. We would usually recommend using the Read codes term. Within the BPA classification, the preferred term will usually be included as a synonym beneath the primary term.

(iv) For three-character categories in ICD-10, where not all four-character terms have been included in the BPA adaptation, the 'other' category - usually with a fourth digit 8, will not appear in the BPA classification. This is to avoid users

inadvertently coding terms that have their own specific ICD-10 code to the 'other' category. See also *Instructions for coding below*.

(v) The classification of *perinatal asphyxia* and its sequelae is controversial. It is important to have a means of recording the clinical state of babies born in poor condition that does not necessarily imply an aetiology related to the process of delivery. Users should be particularly careful about the use of codes P21-, *Birth asphyxia*. These should only be used when asphyxia is known or strongly suspected to have occurred as a result of the process of birth. Otherwise, codes P22.80 and P22.81 should be used for infants in poor condition immediately after birth for unknown reasons.

(vi) The classification of malnutrition is also contentious. The BPA Standing Committee on Nutrition recommends a classification expressed solely in terms of weight-for-height and height-for-age measurements and we have adopted this.

(vii) For many neoplastic conditions a morphology code is given as well as the main code. These morphology codes are identical to those used in ICD-10, ICD-O, (The International Classification of Diseases for Oncology) and SNOMED, (the Systematized Nomenclature of Medicine).

Instructions for coding

Note: If this classification is to be used when collecting data for central reporting to the relevant national body, (currently the Office for Population Censuses and Surveys in the U K), it is essential that users have access to the complete ICD-10 and are familiar with the rules for coding found in ICD-10, volume 2.

For more local uses the following guidelines may be useful.

(i) It is important to code the primary reason for patient episodes. For example, a child with *cystic fibrosis* admitted for treatment of a lower respiratory infection should have the *lower respiratory infection* coded first, (section J10-J22). The code for *cystic fibrosis*, (E84.-), should be recorded as a secondary diagnosis.

(ii) Great care should be taken before assigning a diagnosis to any category including the word 'other'. The use of this category implies that all alternative categories have been examined and no better place can be found for the term. The BPA classification does not always include all the alternative categories from ICD-10, so a user cannot confidently use any 'other' code, unless the condition to be coded is specifically mentioned as an inclusion term beneath that code. If the condition is not mentioned, users should refer to the full ICD-10.

(iii) Care should also be taken using any codes with a fourth digit 9, usually meaning 'unspecified'. A four-character code ending with .9 can be considered equivalent to the main three-character code from which it is descended. These should only be

used when there is no extra qualifying information and not merely when there is uncertainty which four-character code to use. Confusion may arise when the BPA classification contains a .9 subdivision without all the other four-character subdivisions of the principle three-character term. Two examples of this are, A05.9, *Bacterial foodborne intoxication, unspecified* or A06.9 *Amoebiasis, unspecified*. Where there is doubt, users should refer to the full ICD-10 or Read codes set.

(iv) If a term cannot be found in this book and it is unclear to which category it should be assigned, users should refer to the full ICD-10 index, which contains many further terms. It is essential that users refrain from allocating their own local terms to three- and four-character categories which do not appear in the BPA classification. Such categories may have a different assignation in ICD-10 and if they are unassigned in ICD-10, WHO copyright precludes their use for any purpose. It is also important for national standardisation that users do not generate their own new terms and codes but feed their suggestions back to the BPA for consideration of inclusion in further issues of the classification.

Interpretation of abbreviations and certain conventions

(i) # This symbol indicates an 'allowable' three-character code - that is one that may be used for national data collection. This allows users to distinguish three-character codes in the BPA classification that are 'allowed' because there is no further subdivision in ICD-10 from those that are not 'allowed' because there is further subdivision in ICD-10 not included in our adaptation. *Note*: This symbol may be found against codes with a fifth position character where there is no ICD-10 fourth-character subdivision eg G20.X0. In such cases the fourth-character position is filled with an 'X'.

It should be noted that it is not allowed to transmit data for central collection with a three-character ICD-10 code where a fourth-character subdivision exists. In this book a $$ symbol will be found against every three-character code with four-character codes below it in ICD-10 but not included here. In general, conditions have been omitted when they are unusual in children or when they are from a group of diagnoses that are no different in paediatric or adult medical practice. If such a diagnosis is made, users should refer to the full ICD-10 for further detail.

An example of an allowable three-character code is J00, *Acute nasopharyngitis [common cold]*. An example of a non-allowable three-character code is J01, *Acute sinusitis*.

(ii) § This symbol at a range of codes indicates that in the BPA classification not all ICD-10 three-character codes for that block have been included.

(iii) $$ Where this paired symbol is found at a three-character code in the BPA classification, it indicates that not all ICD-10 four-character subdivisions have been included below this code.

(iv) @ This symbol is used at ranges, three-character and four-character codes to indicate that in ICD-10 further explanatory text, inclusions, exclusions or synonyms can be found that have been omitted from the BPA adaptation. The basic rubric, however, will be identical to that in ICD-10.

(v) EC = elsewhere classified
(vi) NEC = not elsewhere classified

(vii) NOS = not otherwise specified = unspecified

(viii) In this classification we use the word 'neonatal' in the way defined at the beginning of ICD-10, Chapter XVI by WHO, that is - 'conditions that have their origin in the perinatal period although death or morbidity occurs later.'

(ix) † * These are the so called "dagger and asterisk" symbols introduced in ICD-9. These enable a dual classification scheme for aetiology and manifestation of a condition. This permits diagnostic statements containing information about both a generalised underlying disease process [where the † code will be found] and a manifestation or complication in a particular organ or site [where the * code will be found] to receive two codes. This allows retrieval or tabulation according to either axis. *Tuberculous meningitis,* for example, can be coded A17.0+ with other tuberculous diseases or G01* with other inflammatory diseases of the central nervous system. When coding for the purpose of official central returns it is important to note that either the † code or both the † and the * codes must be used. Use of the * code alone is not permitted.

(x) Within a rubric, words in round brackets (. . .) are optional qualifiers to the basic term. Words placed in square brackets [. . .] are synonymous terms, often eponymous.

List of chapter headings and groups of three-character categories

A00-B99 Certain infectious and parasitic diseases
A00-A09 Intestinal infectious diseases
A15-A19 Tuberculosis
A20-A28 Certain zoonotic bacterial diseases
A30-A49 Other bacterial diseases
A50-A64 Infections with a predominantly sexual mode of transmission
A65-A69 Other spirochaetal diseases
A70-A74 Other diseases caused by chlamydiae
A75-A79 Rickettsioses
A80-A89 Viral infections of the central nervous system
A90-A99 Arthropod-borne viral fevers and viral haemorrhagic fevers
B00-B09 Viral infections characterised by skin and mucous membrane
B15-B19 Viral hepatitis
B20-B24 Human immunodeficiency virus [HIV] disease
B25-B34 Other viral diseases
B35-B49 Mycoses
B50-B64 Protozoal diseases
B65-B83 Helminthiases
B85-B89 Pediculosis, acariasis and other infestations
B90-B94 Sequelae of infectious and parasitic diseases
B95-B97 Bacterial, viral and other infectious agents
B99 Other infectious diseases

C00-D48 Neoplasms
C00-C97 Malignant neoplasms
C00-C14 Malignant neoplasms of lip, oral cavity and pharynx
C15-C26 Malignant neoplasms of digestive organs
C30-C39 Malignant neoplasms of respiratory and intrathoracic organs
C40-C41 Malignant neoplasms of bone and articular cartilage
C43-C44 Melanoma and other malignant neoplasms of skin
C45-C49 Malignant neoplasms of mesothelial and soft tissue
C51-C58 Malignant neoplasms of female genital organs
C60-C63 Malignant neoplasms of male genital organs
C64-C68 Malignant neoplasms of urinary tract
C69-C72 Malignant neoplasms of eye, brain and other parts of central nervous system
C73-C75 Malignant neoplasms of thyroid and other endocrine glands
C76-C80 Malignant neoplasms of ill-defined, secondary and unspecified sites
C81-C96 Malignant neoplasms of lymphoid, haematopoietic and related tissue
D00-D09 In situ neoplasms
D10-D36 Benign neoplasms
D37-D48 Neoplasms of uncertain or unknown behaviour

D50-D89 Diseases of the blood and blood-forming organs and certain disorders involving the immune mechanism
D50-D53 Nutritional anaemias
D55-D59 Haemolytic anaemias
D60-D64 Aplastic and other anaemias

D65-D69 Coagulation defects, purpura and other haemorrhagic conditions
D70-D77 Other diseases of blood and blood-forming organs
D80-D89 Certain disorders involving the immune mechanism

E00-E90	Endocrine, nutritional and metabolic diseases
E00-E07	Disorders of thyroid gland
E10-E14	Diabetes mellitus
E15-E16	Other disorders of glucose regulation and pancreatic internal secretion
E20-E35	Disorders of other endocrine glands
E40-E46	Malnutrition
E50-E64	Other nutritional deficiencies
E65-E68	Obesity and other hyperalimentation
E70-90	Metabolic disorders
E86-E87	Disorders of fluid, electrolyte and acid-base balance
F00-F99	Mental and behavioural disorders
F00-F09	Organic, including symptomatic, mental disorders
F10-F19	Mental and behavioural disorders due to psychoactive substance use
F20-F29	Schizophrenia, schizotypal and delusional disorders
F30-F39	Mood [affective] disorders
F40-F48	Neurotic, stress-related and somatoform disorders
F50-F59	Behavioural syndromes associated with physiological disturbances and physical factors
F60-F69	Disorders of adult personality and behaviour
F70-F79	Mental retardation
F80-F89	Disorders of psychological development
F90-F98	Behavioural and emotional disorders with onset usually occurring in childhood and adolescence
F99	Unspecified mental disorder
G00-G99	Diseases of the nervous system
G00-G09	Inflammatory diseases of the central nervous system
G10-G13	Systemic atrophies primarily affecting the central nervous system
G20-G26	Extrapyramidal and movement disorders
G30-G32	Other degenerative diseases of the nervous system
G35-G37	Demyelinating diseases of the central nervous system
G40-G47	Episodic and paroxysmal disorders
G50-G59	Nerve, nerve root and plexus disorders
G60-G64	Polyneuropathies and other disorders of the peripheral nervous system
G70-G73	Diseases of myoneural junction and muscle
G80-G83	Cerebral palsy and other paralytic syndromes
G90-G99	Other disorders of the nervous system
H00-H99	Diseases of the eye and adnexa
H00-H06	Disorders of eyelid, lacrimal system and orbit
H10-H13	Disorders of conjunctiva
H15-H22	Disorders of sclera, cornea, iris and ciliary body
H25-H28	Disorders of lens
H30-H36	Disorders of choroid and retina
H40-H42	Glaucoma
H43-H45	Disorders of vitreous body and globe
H46-H48	Disorders of optic nerve and visual pathways
H49-H52	Disorders of ocular muscles, binocular movement, accommodation and refraction
H53-H54	Visual disturbances and blindness
H55-H59	Other disorders of eye and adnexa

M00-M03 Infectious arthropathies
M05-M14 Inflammatory polyarthropathies
M15-M19 Arthrosis
M20-M25 Other joint disorders
M30-M36 Systemic connective tissue disorders
M40-M54 Dorsopathies
M40-M43 Deforming dorsopathies
M45-M49 Spondylopathies
M50-M54 Other dorsopathies
M60-M79 Soft tissue disorders
M60-M63 Disorders of muscles
M65-M68 Disorders of synovium and tendon
M70-M79 Other soft tissue disorders
M80-M94 Osteopathies and chondropathies
M80-M85 Disorders of bone density and structure
M86-M90 Other osteopathies
M91-M94 Chondropathies
M95-M99 Other disorders of musculoskeletal system and connective tissue

N00-N99 Diseases of the genitourinary system
N00-N08 Glomerular diseases
N10-N16 Renal tubulo-interstitial diseases
N17-N19 Renal failure
N20-N23 Urolithiasis
N25-N29 Other disorders of kidney and ureter
N30-N39 Other diseases of urinary system
N40-N51 Diseases of male genital organs
N60-N64 Disorders of breast
N70-N77 Inflammatory diseases of female pelvic organs
N80-N98 Noninflammatory disorders of female genital tract

O00-O99 Pregnancy, childbirth and the puerperium

P00-P96 Certain conditions originating in the perinatal period
P00-P04 Fetus and newborn affected by maternal factors and complications of pregnancy, labour and delivery
P05-P08 Disorders related to length of gestation and fetal growth
P10-P15 Birth trauma
P20-P29 Respiratory and cardiovascular disorders specific to the perinatal period
P35-P39 Infections specific to the perinatal period
P50-P61 Haemorrhagic and haematological disorders of fetus and newborn
P70-P74 Transitory endocrine and metabolic disorders specific to fetus and newborn
P75-P78 Digestive system disorders of fetus and newborn
P80-P83 Conditions involving integument and temperature regulation of fetus and newborn
P90-P96 Other disorders originating in the perinatal period

Q00-Q99 Congenital malformations, deformations and chromosomal abnormalities
Q00-Q07 Congenital malformations of the nervous system
Q10-Q18 Congenital malformations of eye, ear, face and neck
Q20-Q28 Congenital malformations of the circulatory system
Q30-Q34 Congenital malformations of the respiratory system
Q35-Q37 Cleft lip and cleft palate

Q38-Q45	Other congenital malformations of the digestive system
Q50-Q56	Congenital malformations of genital organs
Q60-Q64	Congenital malformations of the urinary system
Q65-Q79	Congenital malformations and deformations of musculoskeletal system
Q80-Q89	Other congenital malformations
Q90-Q99	Chromosomal abnormalities, not elsewhere classified
R00-R99	Symptoms, signs and abnormal clinical and laboratory findings, not elsewhere classified
R00-R09	Symptoms and signs involving the circulatory and respiratory systems
R10-R19	Symptoms and signs involving the digestive system and abdomen
R20-R23	Symptoms and signs involving the skin and subcutaneous tissue
R25-R29	Symptoms and signs involving the nervous and musculoskeletal systems
R30-R39	Symptoms and signs involving the urinary system
R40-R46	Symptoms and signs involving cognition, perception, emotional state and behaviour
R47-R49	Symptoms and signs involving speech and voice
R50-R69	General symptoms and signs
R70-R79	Abnormal findings on examination of blood, without diagnosis
R80-R82	Abnormal findings on examination of urine, without diagnosis
R83-R89	Abnormal findings on examination of other body fluids, substances and tissues, without diagnosis
R90-R94	Abnormal findings on diagnostic imaging and in function studies, without diagnosis
R95-R99	Ill-defined and unknown causes of mortality
S00-T98	Injury, poisoning and certain other consequences of external causes
S00-S09	Injuries to the head
S20-S29	Injuries to the thorax
S40-S49	Injuries to the shoulder and upper arm
S50-S59	Injuries to the elbow and forearm
S70-S79	Injuries to the hip and thigh
S80-S89	Injuries to the knee and lower leg
S90-S99	Injuries to the ankle and foot
T00-T07	Injuries involving multiple body regions
T08-T14	Injuries to unspecified part of trunk, limb or body region
T15-T19	Effects of foreign body entering through natural orifice
T20-T32	Burns and corrosions
T20-T25	Burns and corrosions of external body surface, specified by site
T26-T28	Burns and corrosions confined to eye and internal organs
T29-T32	Burns and corrosions of multiple and unspecified body regions
T36-T50	Poisoning by drugs, medicaments and biological substances
T51-T65	Toxic effects of substances chiefly nonmedicinal as to source
T66-T78	Other and unspecified effects of external causes
T80-T88	Complications of surgical and medical care, not elsewhere classified
T90-T98	Sequelae of injuries, of poisoning and of other consequences of external cause

V01-Y98	External causes of morbidity and mortality
V01-V99	Transport accidents
V01-V09	Pedestrian injured in transport accident
V10-V19	Pedal cyclist injured in transport accident
V40-V49	Car occupant injured in transport accident
W00-X59	Other external causes of accidental injury
W00-W19	Falls
W20-W49	Exposure to inanimate mechanical forces
W50-W64	Exposure to animate mechanical forces
W65-W74	Accidental drowning and submersion
W75-W84	Other accidental threats to breathing
W85-W99	Exposure to electric current, radiation and extreme ambient air temperature and pressure
X00-X09	Exposure to smoke, fire and flames
X10-X19	Contact with heat and hot substances
X20-X29	Contact with venomous animals and plants
X30-X39	Exposure to forces of nature
X40-X49	Accidental poisoning by and exposure to noxious substances
X60-X8	Intentional self-harm
X85-Y09	Assault
Y10-Y34	Event of undetermined intent
Y40-Y84	Complications of medical and surgical care
Y40-Y59	Drugs, medicaments and biological substances causing adverse effects in therapeutic use
Y60-Y69	Misadventures to patients during surgical and medical care
Y85-Y89	Sequelae of external causes of morbidity and mortality
Y90-Y98	Supplementary factors related to causes of morbidity and mortality classified elsewhere
Z00-Z99	Factors influencing health status and contact with health services
Z00-Z13	Persons encountering health services for examination and investigation
Z20-Z29	Persons with potential health hazards related to communicable diseases
Z30-Z39	Persons encountering health services in circumstances related to reproduction
Z40-Z54	Persons encountering health services for specific procedures and health care
Z55-Z65	Persons with potential health hazards related to socioeconomic and psychosocial circumstances
Z70-Z76	Persons encountering health services in other circumstances
Z80-Z99	Persons with potential health hazards related to family and personal history and certain conditions influencing health status

Chapter I, (A00-B99)
Certain infectious and parasitic diseases

Includes: diseases generally recognised as communicable or transmissible
Excludes: carrier or suspected carrier of infectious disease (Z22.-)
@ certain localised infections - see body system-related chapters
infectious and parasitic diseases specific to the perinatal period [except tetanus neonatorum, congenital syphilis, perinatal gonococcal infection and perinatal human immunodeficiency virus [HIV] disease] (P35-P39)
influenza and other acute respiratory infections (J00-J22)

This chapter contains the following blocks:

A00-A09	Intestinal infectious diseases
A15-A19	Tuberculosis
A20-A28	Certain zoonotic bacterial diseases
A30-A49	Other bacterial diseases
A50-A64	Infections with a predominantly sexual mode of transmission
A65-A69	Other spirochaetal diseases
A70-A74	Other diseases caused by chlamydiae
A75-A79	Rickettsioses
A80-A89	Viral infections of the central nervous system
A90-A99	Arthropod-borne viral fevers and viral haemorrhagic fevers
B00-B09	Viral infections characterised by skin and mucous membrane lesions
B15-B19	Viral hepatitis
B20-B24	Human immunodeficiency virus [HIV] disease
B25-B34	Other viral diseases
B35-B49	Mycoses
B50-B64	Protozoal diseases
B65-B83	Helminthiases
B85-B89	Pediculosis, acariasis and other infestations
B90-B94	Sequelae of infectious and parasitic diseases
B95-B97	Bacterial, viral and other infectious agents
B99	Other infectious diseases

A00-A09 Intestinal infectious diseases

A00 $$ Cholera
A01 $$ Typhoid and paratyphoid fevers

A02 $$ Other salmonella infections
Includes: infection or foodborne intoxication due to any Salmonella species other than S. typhi and S.paratyphi
A02.0 Salmonella enteritis
Salmonellosis
A02.9 Salmonella infection, unspecified

A03 $$ Shigellosis
See ICD-10 for specific Shigella species
A03.9 Shigellosis, unspecified
Bacillary dysentery NOS

A04 Other bacterial intestinal infections
Excludes: foodborne intoxications, bacterial (A05.-)
tuberculous enteritis (A18.3)
A04.0 Enteropathogenic Escherichia coli infection
A04.1 Enterotoxigenic Escherichia coli infection
A04.2 Enteroinvasive Escherichia coli infection
A04.3 Enterohaemorrhagic Escherichia coli infection
A04.4 Other intestinal Escherichia coli infections
Escherichia coli enteritis NOS
A04.5 Campylobacter enteritis
A04.6 @ Enteritis due to Yersinia enterocolitica
A04.7 Enterocolitis due to Clostridium difficile
A04.8 Other specified bacterial intestinal infections
A04.9 Bacterial intestinal infection, unspecified
Bacterial enteritis NOS

A05 $$ Other bacterial foodborne intoxications
@ Excludes: listeriosis (A32.-)
toxic effect of noxious foodstuffs (T61-T62)
A05.0 Foodborne staphylococcal intoxication
A05.9 Bacterial foodborne intoxication, unspecified

A06 $$ Amoebiasis
Includes: infection due to Entamoeba histolytica
Excludes: other protozoal intestinal diseases (A07.-)
A06.0 Acute amoebic dysentery
Acute amoebiasis
Intestinal amoebiasis NOS
A06.9 Amoebiasis, unspecified

A07 $$ Other protozoal intestinal diseases
A07.1 Giardiasis [lambliasis]
A07.2 Cryptosporidiosis

A08 @ Viral and other specified intestinal infections
A08.0 Rotaviral enteritis
A08.1 @ Acute gastroenteropathy due to Norwalk agent
A08.2 Adenoviral enteritis
A08.3 Other viral enteritis
A08.4 @ Viral intestinal infection, unspecified
Viral: . enteritis NOS
. gastroenteritis NOS
A08.5 Other specified intestinal infections

A09 # Diarrhoea and gastroenteritis of presumed infectious origin
@ Colitis } NOS in countries where the conditions can be presumed to be of infectious origin
Enteritis }
Gastroenteritis }
Diarrhoea }
Excludes: diarrhoea } NOS in countries where the conditions can be presumed to be of noninfectious origin (K52.9)
enteritis }
ileitis }
A09.X0 (Infectious) typhlitis
(Infectious) caecitis

A15-A19 Tuberculosis
Includes: infections due to Mycobacterium tuberculosis and Mycobacterium bovis
@ Excludes: congenital tuberculosis (P37.0)

A15 $$ Respiratory tuberculosis, bacteriologically and histologically confirmed

A16 $$ Respiratory tuberculosis, not confirmed bacteriologically or histologically

A17+ $$ Tuberculosis of nervous system
A17.0+ @ Tuberculous meningitis (G01*)

A18 $$ Tuberculosis of other organs
A18.2 @ Tuberculous peripheral lymphadenopathy
Excludes: tuberculosis of lymph nodes:
.intrathoracic (A15.4, A16.3)
.mesenteric and retroperitoneal (A18.3)

A19 $$ Miliary tuberculosis

A20-A28 $ Certain zoonotic bacterial diseases

A20 $$ Plague
Includes: infection due to Yersinia pestis

A21 $$ Tularaemia
@

A22 $$ Anthrax
@

A23 $$ Brucellosis
@

A27 Leptospirosis
A27.0 Leptospirosis icterohaemorrhagica
Leptospirosis due to *Leptospira interrogans* serovar icterohaemorrhagiae
A27.8 Other forms of leptospirosis
A27.9 Leptospirosis, unspecified

A28 $$ Other zoonotic bacterial diseases, not elsewhere classified

A30-A49 Other bacterial diseases

A30 $$ Leprosy [Hansen's disease]
@ Excludes: sequelae of leprosy (B92)

A31 $$ Infection due to other mycobacteria
@
A31.0 Pulmonary mycobacterial infection
Infection due to Mycobacterium:
. avium
. intracellulare [Battey bacillus]
. kansasii

A32 $$ Listeriosis
Includes: listerial food-borne infection
Excludes: neonatal (disseminated) listeriosis (P37.2)

A33 # Tetanus neonatorum

A34 # Obstetrical tetanus

A35 # Other tetanus
@ Tetanus NOS

A36 $$ Diphtheria

A37 Whooping cough
A37.0 Whooping cough due to Bordetella pertussis
A37.1 Whooping cough due to Bordetella parapertussis
A37.8 Whooping cough due to other Bordetella species
A37.9 Whooping cough, unspecified

A38 # Scarlet fever
@ Scarlatina

A39 $$ Meningococcal infection
A39.0+ Meningococcal meningitis (G01*)
A39.1+ Waterhouse-Friderichsen syndrome (E35.1*)
@ Meningococcal haemorrhagic adrenalitis
A39.2 Acute meningococcaemia
Meningococcal septicaemia
A39.80 Meningococcal arthritis+ (M01.0*)
A39.81 Meningococcal encephalitis+ (G05.0*)
A39.82 Postmeningococcal arthritis+ (M03.0*)

A40 Streptococcal septicaemia
@ Excludes: neonatal (P36.0-P36.1)
A40.0 Septicaemia due to streptococcus, group A
A40.1 Septicaemia due to streptococcus, group B
A40.2 Septicaemia due to streptococcus, group D
A40.3 Septicaemia due to Streptococcus pneumoniae
Pneumococcal septicaemia
A40.8 Other streptococcal septicaemia
A40.9 Streptococcal septicaemia, unspecified

A41 Other septicaemia
@ Excludes: neonatal septicaemia (P36.-)
toxic shock syndrome (A48.3)
A41.0 Septicaemia due to Staphylococcus aureus
A41.1 Septicaemia due to other specified staphylococcus
A41.10 Septicaemia due to coagulase-negative staphylococcus
A41.2 Septicaemia due to unspecified staphylococcus
A41.3 Septicaemia due to Haemophilus influenzae

A41.4 @ Septicaemia due to anaerobes
A41.5 Septicaemia due to other Gram-negative organisms
Gram-negative septicaemia NOS
A41.8 Other specified septicaemia
A41.9 Septicaemia, unspecified
Septic shock

A42 $$ Actinomycosis
Excludes: actinomycetoma (B47.1)

A43 $$ Nocardiosis

A44 $$ Bartonellosis

A46 # Erysipelas
@

A48 $$ Other bacterial diseases, not elsewhere classified
@
A48.3 Toxic shock syndrome
@ Excludes: endotoxic shock NOS (R57.8)

A49 $$ Bacterial infection of unspecified site
@
A49.9 Bacterial infection, unspecified
Bacteraemia NOS

A50-A64 $ Infections with a predominantly sexual mode of transmission
@

A50 $$ Congenital syphilis

A54 $$ Gonococcal infection
A54.3 @ Gonococcal infection of eye
A54.30 Ophthalmia neonatorum due to gonococcus
A54.38 Other gonococcal eye infection

A56 $$ Other sexually transmitted chlamydial diseases
@ Excludes: neonatal chlamydial conjunctivitis (P39.12)

A59 $$ Trichomoniasis
@

A60 $$ Anogenital herpesviral [herpes simplex] infection

A63 $$ Other predominantly sexually transmitted diseases, not
@ elsewhere classified
A63.0 Anogenital (venereal) warts

A65-A69 $ Other spirochaetal diseases
@

A65 # Nonvenereal syphilis
@

A66 $$ Yaws
@

A67 $$ Pinta [carate]

A69 $$ Other spirochaetal infections
A69.2 Lyme disease
Erythema chronicum migrans due to Borrelia burgdorferi

A70-A74 Other diseases caused by chlamydiae

A70 # Chlamydia psittaci infection
@ Psittacosis

A71 $$ Trachoma
@

A74 $$ Other diseases caused by chlamydiae
@ Excludes: neonatal chlamydial conjunctivitis (P39.12)

A75-A79 Rickettsioses

A75 $$ Typhus fever
@

A77 $$ Spotted fever [tick-borne rickettsioses]

A78 # Q fever
@ Infection due to Coxiella burnetii

A79 $$ Other rickettsioses

A80-A89 $ Viral infections of the central nervous system
Excludes: sequelae of: . poliomyelitis (B91)
. viral encephalitis (B94.1)

A80 Acute poliomyelitis
A80.0 Acute paralytic poliomyelitis, vaccine-associated
A80.1 Acute paralytic poliomyelitis, wild virus, imported
A80.2 Acute paralytic poliomyelitis, wild virus, indigenous
A80.3 Acute paralytic poliomyelitis, other and unspecified
A80.4 Acute nonparalytic poliomyelitis
A80.9 Acute poliomyelitis, unspecified

A81 $$ Slow virus infections of central nervous system
A81.1 @ Subacute sclerosing panencephalitis
A81.2 @ Progressive multifocal leucoencephalopathy

A82 $$ Rabies

A83 $$ Mosquito-borne viral encephalitis
@

A84 $$ Tick-borne viral encephalitis
@

A85 $$ Other viral encephalitis, not elsewhere classified
@ Excludes: encephalitis due to:
. herpesvirus [herpes simplex] (B00.4)
. measles virus (B05.0)
. mumps virus (B26.2)
. poliomyelitis virus (A80.-)
. zoster (B02.0)
A85.0+ Enteroviral encephalitis (G05.1*)
Enteroviral encephalomyelitis

A85.1+ Adenoviral encephalitis (G05.1*)
Adenoviral meningoencephalitis

A86 # Unspecified viral encephalitis
Viral: . encephalomyelitis NOS
. meningoencephalitis NOS

A87 Viral meningitis
Excludes: meningitis due to:
. herpesvirus [herpes simplex] (B00.3)
. measles virus (B05.1)
. mumps virus (B26.1)
. poliomyelitis virus (A80.-)
. zoster (B02.1)
A87.0+ Enteroviral meningitis (G02.0*)
Coxsackievirus meningitis
Echovirus meningitis
A87.1+ Adenoviral meningitis (G02.0*)
A87.2 @ Lymphocytic choriomeningitis
A87.8 Other viral meningitis
A87.9 Viral meningitis, unspecified

A90-A99 $ Arthropod-borne viral fevers and viral haemorrhagic fevers
@

B00-B09 $ Viral infections characterised by skin and mucous membrane lesions

B00 Herpesviral [herpes simplex] infections
@ Excludes: anogenital herpesviral infection (A60.-)
congenital herpesviral infection (P35.2)
B00.0 @ Eczema herpeticum
B00.1 @ Herpesviral vesicular dermatitis
Vesicular dermatitis of lip due to human (alpha) herpesvirus 2
Cold sore
B00.2 @ Herpesviral gingivostomatitis and pharyngotonsillitis
Herpetic stomatitis
B00.3+ Herpesviral meningitis (G02.0*)
B00.4+ Herpesviral encephalitis (G05.1*)
@ Herpesviral meningoencephalitis
B00.5+ @ Herpesviral ocular disease
B00.7 @ Disseminated herpesviral disease

B00.8 Other forms of herpesviral infections
@ Herpetic whitlow
B00.9 @ Herpesviral infection, unspecified

B01 Varicella [chickenpox]
B01.0+ Varicella meningitis (G02.0*)
B01.1+ Varicella encephalitis (G05.1*)
Postchickenpox encephalitis
Varicella encephalomyelitis
B01.2+ Varicella pneumonia (J17.1*)
B01.8 Varicella with other complications
B01.9 Varicella without complications
Varicella NOS

B02 Zoster [herpes zoster]
@ Includes: shingles
B02.0+ Zoster encephalitis (G05.1*)
Zoster meningoencephalitis
B02.1+ Zoster meningitis (G02.0*)
B02.2+ Zoster with other nervous system involvement
@ Postherpetic: . polyneuropathy (G63.0*)
. trigeminal neuralgia (G53.00*)
B02.3+ Zoster ocular disease
@ Zoster: . conjunctivitis (H13.1*)
. keratoconjunctivitis (H19.2*)
B02.7 Disseminated zoster
B02.8 Zoster with other complications
B02.9 Zoster without complications
Shingles NOS

B05 Measles
@ Excludes: subacute sclerosing panencephalitis (A81.1)
B05.0+ Measles complicated by encephalitis (G05.1*)
Postmeasles encephalitis
B05.1+ Measles complicated by meningitis (G02.0*)
Postmeasles meningitis
B05.2+ Measles complicated by pneumonia (J17.1*)
Postmeasles pneumonia
B05.3+ Measles complicated by otitis media (H67.1*)
Postmeasles otitis media
B05.4 Measles with intestinal complications
B05.8 Measles with other complications
Measles keratitis and keratoconjunctivitis+ (H19.2*)
B05.9 Measles without complication
Measles NOS

B06 Rubella [German measles]
Excludes: congenital rubella (P35.0)
B06.0+ Rubella with neurological complications
Rubella: . encephalitis (G05.1*)
. meningitis (G02.0*)
. meningoencephalitis (G05.1*)
B06.8 @ Rubella with other complications
B06.9 Rubella without complication
Rubella NOS

B07 # Viral warts
@ Verrucae
Excludes: anogenital (venereal) warts (A63.0)

B08 $$ Other viral infections characterised by skin and mucous membrane lesions, not elsewhere classified
@
B08.1 Molluscum contagiosum
B08.2 Exanthema subitum [sixth disease]
Roseola infantum
B08.3 Erythema infectiosum [fifth disease]
Slapped cheek disease
B08.4 Enteroviral vesicular stomatitis with exanthem
Hand, foot and mouth disease

B09 # Unspecified viral infection characterised by skin and mucous membrane lesions
Viral: . enanthema NOS
. exanthema NOS
Viral rash NOS

B15-B19 Viral hepatitis
@

B15 Acute hepatitis A
B15.0 Hepatitis A with hepatic coma
B15.9 Hepatitis A without hepatic coma
Hepatitis A (acute)(viral) NOS

B16 Acute hepatitis B
B16.0 Acute hepatitis B with delta-agent (coinfection) with hepatic coma
B16.1 Acute hepatitis B with delta-agent (coinfection) without hepatic coma
B16.2 Acute hepatitis B without delta-agent with hepatic coma
B16.9 Acute hepatitis B without delta-agent and without hepatic coma
Hepatitis B (acute)(viral) NOS

B17 $$ Other acute viral hepatitis

B18 $$ Chronic viral hepatitis

B19 $$ Unspecified viral hepatitis

B20-B24 Human immunodeficiency virus [HIV] disease
@ Excludes: asymptomatic human immunodeficiency virus [HIV] infection status (Z21)

B20 $$ HIV disease resulting in infectious and parasitic diseases
Excludes: acute HIV infection syndrome (B23.0)

B21 $$ HIV disease resulting in malignant neoplasms

B22 $$ HIV disease resulting in other specified diseases

B23 $$ HIV disease resulting in other conditions

B24 # Unspecified human immunodeficiency virus [HIV] disease
Acquired immunodeficiency syndrome [AIDS] NOS
AIDS-related complex [ARC] NOS

B25-B34 Other viral diseases

B25 $$ Cytomegaloviral disease
Excludes: congenital cytomegalovirus infection (P35.1)
cytomegaloviral mononucleosis (B27.1)
B25.0+ Cytomegaloviral pneumonitis (J17.1*)

B26 Mumps
@
B26.0+ Mumps orchitis (N51.1*)
B26.1+ Mumps meningitis (G02.0*)
B26.2+ Mumps encephalitis (G05.1*)
B26.3+ Mumps pancreatitis (K87.1*)
B26.8 @ Mumps with other complications
B26.9 Mumps without complication
Mumps: . NOS
. parotitis NOS

B27 Infectious mononucleosis
@ Includes: glandular fever
B27.0 Gammaherpesviral mononucleosis
Mononucleosis due to Epstein-Barr virus
B27.1 Cytomegaloviral mononucleosis
B27.8 Other infectious mononucleosis
B27.9 Infectious mononucleosis, unspecified

B30 $$ Viral conjunctivitis
@
B30.9 Viral conjunctivitis, unspecified

B33 $$ Other viral diseases, not elsewhere classified

B34 $$ Viral infection of unspecified site
@
B34.3 Parvovirus infection, unspecified
B34.9 Viral infection, unspecified
Viraemia NOS

B35-B49 $ Mycoses
@

B35 Dermatophytosis
@ Includes: infections due to species of Epidermophyton,
Microsporum and Trichophyton
tinea, any type except those in B36.-
B35.0 Tinea barbae and tinea capitis
@ Scalp ringworm
B35.1 Tinea unguium
@ Ringworm of nails
B35.2 Tinea manuum
@ Hand ringworm

B35.3 Tinea pedis
@ Athlete's foot
Foot ringworm
B35.4 Tinea corporis
Ringworm of the body
B35.5 @ Tinea imbricata
B35.6 @ Tinea cruris
Groin ringworm
B35.8 @ Other dermatophytoses
B35.9 Dermatophytosis, unspecified
Ringworm NOS

B36 $$ Other superficial mycoses

B37 $$ Candidiasis
@ Excludes: neonatal candidiasis (P37.5)
B37.0 Candidal stomatitis
Oral thrush
B37.2 @ Candidiasis of skin and nail
B37.7 Candidal septicaemia

B44 $$ Aspergillosis
Includes: aspergilloma
B44.0 Invasive pulmonary aspergillosis
B44.1 Other pulmonary aspergillosis
B44.7 @ Disseminated aspergillosis
B44.9 Aspergillosis, unspecified

B50-B64 $ Protozoal diseases
@

B50 $$ Plasmodium falciparum malaria
@

B51 $$ Plasmodium vivax malaria
@

B52 $$ Plasmodium malariae malaria
@

B53 $$ Other parasitologically confirmed malaria

B54 # Unspecified malaria
Clinically diagnosed malaria without parasitological confirmation.

B55 $$ Leishmaniasis

B56 $$ African trypanosomiasis

B57 $$ Chagas' disease
@

B58 $$ Toxoplasmosis
Includes: infection due to Toxoplasma gondii
Excludes: congenital toxoplasmosis (P37.1)

B58.0+ Toxoplasma oculopathy
Toxoplasma chorioretinitis (H32.0*)

B59 # Pneumocystosis
Pneumonia due to Pneumocystis carinii

B65-B83 $ Helminthiases

B65 $$ Schistosomiasis [bilharziasis]
@

B66 $$ Other fluke infections

B67 $$ Echinococcosis
Includes: hydatidosis

B68 $$ Taeniasis
Excludes: cysticercosis (B69.-)

B69 $$ Cysticercosis
@

B74 $$ Filariasis
@

B76 $$ Hookworm diseases
@

B77 Ascariasis
@ Includes: roundworm infection
B77.0 Ascariasis with intestinal complications
B77.8 Ascariasis with other complications
B77.9 Ascariasis, unspecified

B80 # Enterobiasis
@ Pinworm infection
Threadworm infection

B83 $$ Other helminthiases
@
B83.0 Visceral larva migrans
Toxocariasis

B85-B89 $ Pediculosis, acariasis and other infestations

B85 $$ Pediculosis and phthiriasis
B85.0 Pediculosis due to Pediculus humanus capitis
Head-louse infestation
B85.1 Pediculosis due to Pediculus humanus corporis
Body-louse infestation
B85.2 Pediculosis, unspecified
Lice NOS
Nits NOS

B86 # Scabies
@

B90-B94 Sequelae of infectious and parasitic diseases
Note: These categories are to be used to indicate conditions in categories A00-B89 as the cause of sequelae, which are themselves classified elsewhere. The "sequelae" include conditions specified as such; they also include late effects of diseases classifiable to the above categories if there is evidence that the disease itself is no longer present. For use of these categories reference should be made to the morbidity or mortality coding rules and guidelines in ICD-10 volume 2.

B90 $$ Sequelae of tuberculosis

B91 # Sequelae of poliomyelitis

B92 # Sequelae of leprosy

B94 $$ Sequelae of other and unspecified infectious and parasitic diseases

B95-B97 $ Bacterial, viral and other infectious agents
@

B99 $ Other infectious diseases

Chapter II, (C00-D48)
Neoplasms

This chapter contains the following broad groups of neoplasms:

C00-C75	Malignant neoplasms, stated or presumed to be primary, of specified sites, except of lymphoid, haematopoietic and related tissue	
	C00-C14	Lip, oral cavity and pharynx
	C15-C26	Digestive organs
	C30-C39	Respiratory and intrathoracic organs
	C40-C41	Bone and articular cartilage
	C43-C44	Skin
	C45-C49	Mesothelial and soft tissue
	C50	Breast
	C51-C58	Female genital organs
	C60-C63	Male genital organs
	C64-C68	Urinary tract
	C69-C72	Eye, brain and other parts of central nervous system
	C73-C75	Thyroid and other endocrine glands
C76-C80	Malignant neoplasms of ill-defined, secondary and unspecified sites	
C81-C96	Malignant neoplasms, stated or presumed to be primary, of lymphoid, haematopoietic and related tissue	
C97	Malignant neoplasms of independent (primary) multiple sites	
D00-D09	In situ neoplasms	
D10-D36	Benign neoplasms	
D37-D48	Neoplasms of uncertain or unknown behaviour [see note, page ??]	

Notes

@

1. Primary, ill-defined, secondary and unspecified sites of malignant neoplasms

Categories C76-C80 include malignant neoplasms for which there is no clear indication of the original site of the cancer or the cancer is stated to be "disseminated", "scattered" or "spread" without mention of the primary site. In both cases the primary site is considered to be unknown. These categories can be used for coding the presence of metastases when the primary site is unknown using the morphology code /6.

2. Functional activity

All neoplasms are classified in this chapter, whether they are functionally active or not. An additional code from Chapter IV may be used, if desired, to identify functional activity associated with any neoplasm. For example, catecholamine-producing malignant phaeochromocytoma of adrenal gland should be coded to C74 with additional code E27.5; basophil adenoma of pituitary gland with Cushing's syndrome should be coded to D35.2 with additional code E24.0.

3. Morphology

In Chapter II neoplasms are classified predominantly by site within broad groupings for behaviour. In some cases morphology is indicated in the category and subcategory titles.

For those wishing to identify the histological type of other neoplasms, further morphology codes are provided on pages 1179-1204 of ICD-10, volume 1. A number of these codes are included at the beginning of and within the tabular list for this chapter. These morphology codes are derived from the second edition of International Classification of Diseases for Oncology (ICD-O), which is a dual-axis classification providing independent coding systems for topography and morphology. Morphology codes have six digits: the first four digits identify the histological type; the fifth digit is the behaviour code (malignant primary, malignant secondary (metastatic), in situ, benign, uncertain whether malignant or benign); and the sixth digit is a grading code (differentiation) for solid tumours, and is also used as a special code for lymphomas and leukaemias.

4. Use of subcategories in Chapter II

Attention is drawn to the special use of subcategory .8 in this chapter [see note 5]. Where it has been necessary to provide subcategories for "other", these have generally been designated as subcategory .7.

5. Malignant neoplasm overlapping site boundaries and the use of subcategory .8 (overlapping lesion)

Categories C00-C75 classify primary malignant neoplasms according to their point of origin. Many three-character categories are further divided into named parts or subcategories of the organ in question. A neoplasm that overlaps two or more contiguous sites within a three-character category and whose *point of origin* cannot be determined should be classified to the subcategory .8 ("overlapping lesion"), unless the combination is specifically indexed elsewhere. "Overlapping" implies that the sites involved are contiguous.

Sometimes a neoplasm overlaps the boundaries of three-character categories within certain systems. To take care of this specific subcategories have been designated appropriately, (see ICD-10).

6. Malignant neoplasms of ectopic tissue

Malignant neoplasms of ectopic tissue are to be coded to the site mentioned, e.g. ectopic pancreatic malignant neoplasms are coded to pancreas, unspecified (C25.9).

7. Use of the Alphabetical Index in coding neoplasms

In addition to site, morphology and behaviour must also be taken into consideration when coding neoplasms, and reference should, if possible, be made first to the Alphabetical Index entry for the morphological description.

The introductory pages of Volume 3 of ICD-10 include general instructions about the correct use of the Alphabetical Index.

8. Use of the second edition of International Classification of Diseases for Oncology (ICD-O)

For certain morphological types, Chapter II provides a rather restricted topographical classification, or none at all. The topography codes of ICD-O use for all neoplasms essentially the same three- and four-character categories that Chapter II uses for malignant neoplasms (C00-C77, C80), thus providing increased specificity of site for other neoplasms (malignant secondary (metastatic), benign, in situ and uncertain or unknown).

It is therefore recommended that agencies interested in identifying both the site and morphology of tumours, e.g. cancer registries, cancer hospitals, pathology departments and other agencies specialising in cancer, use ICD-O.

Note: Throughout this section reference is made for several disorders to the grouping of these conditions by the BPA and United Kingdom Children's Cancer Study Group, (UKCCSG). This is for cross reference purposes only and is not necessary for coding, These groupings are not recommended by WHO and are not found in ICD-10.

C00-C97 Malignant neoplasms

Note: Certain morphology codes may apply to tumours in a wide variety of sites.
For example: Peripheral neuroectodermal tumour (M9364/3)

Where morphology codes are included in this section they are *not* intended to be all inclusive and other morphology codes may be associated with the relevant site code.

C00-C14 $ Malignant neoplasms of lip, oral cavity and pharynx

C10 $$ Malignant neoplasm of oropharynx
@

C11 $$ Malignant neoplasm of nasopharynx

C15-C26 $ Malignant neoplasms of digestive organs
@

C22 $$ Malignant neoplasm of liver and intrahepatic bile ducts
@ Excludes: secondary malignant neoplasm of liver (C78.7)
UKCCSG and BPA Haematology and Oncology - Group VII
C22.0 Liver cell carcinoma
Hepatocellular carcinoma
Hepatoma
C22.2 Hepatoblastoma
C22.7 Other specified carcinomas of liver
Excludes: intrahepatic bile duct carcinoma (C22.1)
angiosarcoma of liver (C22.3)
other sarcomas of the liver (C22.4)

C30-C39 $ Malignant neoplasms of respiratory and intrathoracic organs

C40-C41 Malignant neoplasms of bone and articular cartilage
@ [UKCCSG and BPA Haematology and Oncology - Group VIII]
The following fifth character BPA extensions can be used with codes C40-C41:
.....0 Osteosarcoma (ICD morphology code M9180/3 to M9190/3)
[Osteogenic sarcoma]
.....1 Ewing's sarcoma (ICD morphology code M9260/3)
.....2 Chondrosarcoma (ICD morphology code M9220/3)
.....8 Other

C40 $$ Malignant neoplasm of bone and articular cartilage of limbs
C40.0 Scapula and long bones of upper limb
C40.1 Short bones of upper limb
C40.2 Long bones of lower limb
C40.3 Short bones of lower limb

C41 $$ Malignant neoplasm of bone and articular cartilage of other
@ and unspecified sites
C41.0 @ Bones of skull and face
C41.1 @ Mandible
C41.2 Vertebral column
Excludes: sacrum and coccyx (C41.4)
C41.3 Ribs, sternum and clavicle
C41.4 Pelvic bones, sacrum and coccyx
Sacrococcygeal teratoma (ICD morphology code M9080/3)

C43-C44 $ Melanoma and other malignant neoplasms of skin

C45-C49 $ Malignant neoplasms of mesothelial and soft tissue

C47 $$ Malignant neoplasm of peripheral nerves and autonomic nervous system
Includes: sympathetic and parasympathetic nerves and ganglia
[UKCCSG and BPA Haematology and Oncology - Group IV]
The following fifth character BPA extensions can be used with codes C47.-:

.....0 Ganglioneuroblastoma (ICD morphology code M9490/3)
.....1 Neuroblastoma (ICD morphology code M9500/3)
.....2 Neuroepithelioma (ICD morphology code M9503/3)
.....3 Phaeochromocytoma (ICD morphology code M8700/3)
.....8 other

C47.0 Peripheral nerves of head, face and neck
Excludes: peripheral nerves of orbit (C69.6)
C47.1 Peripheral nerves of upper limb, including shoulder
C47.2 Peripheral nerves of lower limb, including hip
C47.3 Peripheral nerves of thorax
C47.4 Peripheral nerves of abdomen

C47.5 Peripheral nerves of pelvis
C47.6 Peripheral nerves of trunk, unspecified

C49 Malignant neoplasm of other connective and soft tissue
@ [UKCCSG and BPA Haematology and Oncology - Group IX]
Includes: blood vessel
fat
lymphatic vessel
muscle
Excludes: Kaposi's sarcoma (C46.-)
mesothelioma (C45.-)
peritoneum (C48.-)

The following fifth character BPA extensions can be used with codes C49.-:
.....0 Rhabdomyosarcoma (ICD morphology code M89-)
.....1 Soft tissue sarcomas NOS (ICD morphology code M880-)
.....2 Fibrous tissue tumours (ICD morphology code M881-M883)
.....3 Vascular tumours (ICD morphology code M912-M917)
.....8 Other

C49.0 Connective and soft tissue of head, face and neck
@ Excludes: connective tissue of orbit (C69.6)
C49.1 Connective and soft tissue of upper limb, including shoulder
C49.2 Connective and soft tissue of lower limb, including hip
C49.3 Connective and soft tissue of thorax
@ Axilla
Diaphragm
Excludes: mediastinum (C38.1-C38.3)
thymus (C37)
C49.4 Connective and soft tissue of abdomen
@ Abdominal wall
C49.5 Connective and soft tissue of pelvis
Buttock
Groin
Perineum
C49.6 Connective and soft tissue of trunk unspecified
Back NOS
C49.8 Overlapping lesion of connective and soft tissue
[See note 5 on page ??]
Malignant neoplasm of connective and soft tissue whose point of origin cannot be classified to any one of the categories C47-C49.6.
Note: To use this category, reference to the full ICD-10 will be necessary to ensure that a more appropriate code does not exist.
C49.9 Connective and soft tissue, unspecified

C51-C58 $ Malignant neoplasms of female genital organs

C56 # Malignant neoplasm of ovary
Includes: teratoma
These morphological findings come into UKCCSG and BPA Haematology and Oncology Group X.
C56.X0 Malignant germ cell tumour of ovary
(ICD morphology code M906-909)

C56.X1 Malignant trophoblastic tumour of ovary
(ICD morphology code M910)
C56.X3 Malignant gonadal tumour of ovary
(ICD morphology code M859-M867)
C56.X8 Other malignant neoplasm of ovary

C60-C63 $ Malignant neoplasms of male genital organs
@

C61 # Malignant neoplasm of prostate

C62 Malignant neoplasm of testis
Includes: teratoma
Note: The following *fifth* character BPA extensions can be used with codes C62.-:

.....0 Germ cell tumour (ICD morphology code M906-909)
.....1 Trophoblastic tumour (ICD morphology code M910)
.....3 Gonadal tumour (ICD morphology code M859-M867)
.....8 Other

These morphological findings come into UKCCSG and BPA Haematology and Oncology Group X.

C62.0 @ Undescended testis
C62.1 @ Descended testis
C62.9 Testis, unspecified

C64-C68 $ Malignant neoplasms of urinary tract

C64 # Malignant neoplasm of kidney, except renal pelvis
@ [UKCCSG and BPA Haematology and Oncology - Group VI]
C64.X0 Wilms' tumour [Nephroblastoma]
[ICD morphology code M8960/3]
C64.X1 Clear cell sarcoma
[ICD morphology code M8964/3]
C64.X2 Rhabdoid sarcoma
[ICD morphology code M8963/3]
C64.X3 Renal cell carcinoma
[ICD morphology code M8312/3]
C64.X4 Nephroblastomatosis
C64.X8 Other

C67 $$ Malignant neoplasm of bladder

C69-C72 Malignant neoplasms of eye, brain and other parts of central nervous system

C69 $$ Malignant neoplasm of eye and adnexa
@ Excludes: optic nerve (C72.3)
C69.2 Retina
C69.20 Retinoblastoma
[UKCCSG and BPA Haematology and Oncology - Group V]
C69.28 Other malignant neoplasm of retina

C70 $$ Malignant neoplasm of meninges
[UKCCSG and BPA Haematology and Oncology - Group III]

C71 Malignant neoplasm of brain
[UKCCSG and BPA Haematology and Oncology - Group III]
Excludes: cranial nerves (C72.2-C72.5)
retrobulbar tissue (C69.6)

The following BPA fifth character extensions may be used with codes C71.- but it should be noted that not all fifth character extensions are applicable to each four character code:

.....0 Astrocytic tumours (ICD morphology code M940-M944)
Astrocytoma
.....1 Ependymal tumours (ICD morphology code M9391 and M9392)
Ependymoma
.....2 Medulloblastoma (ICD morphology code M9470/3)
.....3 Primitive neuroectodermal tumour [PNET] (ICD morphology code M9473/3)
Note: For Peripheral neuroectodermal tumour, use morphology code M9364/3 with a site specific code from C00-C80
.....4 Other glioma (ICD morphology code M945 and M9382/3)
.....5 Other embryonal tumours (ICD morphology code M9500-M9502)
.....8 Other
Choroid plexus tumours ICD morphology code M9390/3)
.....9 Unspecified

C71.0 Cerebrum, except lobes and ventricles
Corpus callosum
Supratentorial NOS
C71.1 Frontal lobe
C71.2 Temporal lobe
C71.3 Parietal lobe
C71.4 Occipital lobe
C71.5 Cerebral ventricle
Excludes: fourth ventricle (C71.7)
C71.6 Cerebellum
C71.7 Brain stem
Fourth ventricle
Infratentorial NOS
C71.8 Overlapping lesion of brain
[See note 5 on page ??]
C71.9 Brain, unspecified

C72 $$ Malignant neoplasm of spinal cord, cranial nerves and other
@ parts of central nervous system
[UKCCSG and BPA Haematology and Oncology - Group III]
C72.0 Spinal cord
C72.1 Cauda equina
C72.3 Optic nerve
Optic nerve glioma (ICD morphology code M9380/3)

C72.8 Overlapping lesion of brain and other parts of central nervous system
[See note 5 on page ??]
Malignant neoplasm of brain and other parts of central nervous system whose point of origin cannot be classified to any one of the categories C70-C72.5.
Note: To use this category, reference to the full ICD-10 will be necessary to ensure that a more appropriate code does not exist.

C72.9 Central nervous system, unspecified
Nervous system NOS

C73-C75 $ Malignant neoplasms of thyroid and other endocrine glands

C74 Malignant neoplasm of adrenal gland
C74.0 Cortex of adrenal gland
C74.1 Medulla of adrenal gland
C74.10 Malignant phaeochromocytoma (ICD morphology code M8700/3)
C74.11 Neuroblastoma (ICD morphology code M9500/3)
Excludes: Neuroblastoma of sympathetic chain (C47.-)
C74.9 Adrenal gland, unspecified

C75 $$ Malignant neoplasm of other endocrine glands and related
@ structures
Excludes: endocrine pancreas (C25.4)
ovary (C56)
testis (C62.-)
thyroid gland (C73)
C75.1 Pituitary gland
C75.2 Craniopharyngeal duct
C75.3 Pineal gland
Pineoblastoma (ICD morphology code M9362/3)

C76-C80 $ Malignant neoplasms of ill-defined, secondary and unspecified sites
See note on page ?? .

C80 # Malignant neoplasm without specification of site
@ Primary site unknown

C81-C96 $ Malignant neoplasms of lymphoid, haematopoietic and related tissue
@ Includes: morphology codes M959-M994 with behaviour code /3
Excludes: secondary and unspecified neoplasm of lymph nodes (C77.-)

C81 Hodgkin's disease
[UKCCSG and BPA Haematology and Oncology - Group II]
Includes: morphology codes M965-M966 with behaviour code /3
C81.0 Lymphocytic predominance
Lymphocytic-histiocytic predominance
C81.1 Nodular sclerosis
C81.2 Mixed cellularity
C81.3 Lymphocytic depletion
C81.7 Other Hodgkin's disease

C81.9 Hodgkin's disease, unspecified

C82 $$ Follicular [nodular] non-Hodgkin's lymphoma
@ [UKCCSG and BPA Haematology and Oncology - Group II]

C83 $$ Diffuse non-Hodgkin's lymphoma
@ [UKCCSG and BPA Haematology and Oncology - Group II]

C84 $$ Peripheral and cutaneous T-cell lymphomas
@ [UKCCSG and BPA Haematology and Oncology - Group II]

C85 $$ Other and unspecified types of non-Hodgkin's lymphoma
@ [UKCCSG and BPA Haematology and Oncology - Group II]
C85.1 B-cell lymphoma, unspecified
Note: If B-cell lineage or involvement is mentioned in conjunction with a specific lymphoma, code to the more specific description.
C85.9 @ Non-Hodgkin's lymphoma, unspecified type
[NHL]

C91 $$ Lymphoid leukaemia
Includes: morphology codes M982, M9940-M9941 with behaviour code /3
[UKCCSG and BPA Haematology and Oncology - Group I]
C91.0 Acute lymphoblastic leukaemia
[ALL]
Excludes: acute exacerbation of chronic lymphocytic leukaemia (C91.1)

C92 $$ Myeloid leukaemia
@ Includes: morphology codes M986-M988, M9930 with behaviour code /3
[UKCCSG and BPA Haematology and Oncology - Group I]
C92.0 Acute myeloid leukaemia
[AML]
Excludes: acute exacerbation of chronic myeloid leukaemia (C92.1)
C92.1 Chronic myeloid leukaemia
[CML]
Chronic granulocytic leukaemia
Juvenile chronic myeloid leukaemia
(With or without blast transformation)
C92.10 Chronic myeloid leukaemia, Philadelphia chromosome negative
C92.11 Chronic myeloid leukaemia, Philadelphia chromosome positive
C92.3 Myeloid sarcoma
Chloroma
C92.4 Acute promyelocytic leukaemia
[APML]

C94 $$ Other leukaemias of specified cell type
@

C96 $$ Other and unspecified malignant neoplasms of lymphoid, haematopoietic and related tissue

C96.0 @ Letterer-Siwe disease
Note: Although ICD-10 classifies Letterer-Siwe disease here, most authors now consider this to be a non-malignant condition within the Langerhans' cell histiocytosis group, (D76.0).
C96.1 @ Malignant histiocytosis
[UKCCSG and BPA Haematology and Oncology - Group II]

D00-D09 $ In situ neoplasms
@ Includes: morphology codes with behaviour code /2

D10-D36 $ Benign neoplasms
Includes: morphology codes with behaviour code /0

D13 $$ Benign neoplasm of other and ill-defined parts of digestive system
D13.7 @ Endocrine pancreas
D13.70 Nesidioblastosis

D16 $$ Benign neoplasm of bone and articular cartilage
@

D17 $$ Benign lipomatous neoplasm
@

D17.70 Benign lipomatous neoplasm of spinal cord
Intraspinal lipoma

D18 Haemangioma and lymphangioma, any site
@ Excludes: blue or pigmented naevus (D22.-)
congenital non-neoplastic naevus (Q82.5-)
D18.0 @ Haemangioma, any site
Note: ICD-10 classifies strawberry naevus (Q82.51) to the group of *Congenital non-neoplastic naevi*. The following terms should be used for other haemangiomatous lesions, including those that are atypical of a strawberry naevus such as non-superficial lesions.
D18.00 Capillary haemangioma
D18.01 Cavernous haemangioma
D18.02 Mixed haemangioma
D18.1 Lymphangioma, any site
D18.10 Cystic hygroma (congenital)
D18.11 Other congenital lymphangioma

D22 $$ Melanocytic naevi
Includes: morphology codes M872-M879 with behaviour code /0
naevus: .NOS
.blue
.hairy
.pigmented

D33 $$ Benign neoplasm of brain and other parts of central nervous
@ system

D35 $$ Benign neoplasm of other and unspecified endocrine glands
@
D35.0 Adrenal gland
D35.00 Benign phaeochromocytoma
(ICD morphology code M8700/0)
[UKCCSG and BPA Haematology and Oncology - Group IV]
D35.08 Other benign adrenal tumour
D35.2 Pituitary gland
D35.3 Craniopharyngeal duct
D35.4 Pineal gland

D36 $$ Benign neoplasm of other and unspecified sites
D36.1 Peripheral nerves and autonomic nervous system
[UKCCSG and BPA Haematology and Oncology - Group IV]
Ganglioneuroma (ICD morphology code M9490/0)
Excludes: peripheral nerves of orbit (D31.6)

D37-D48 $ Neoplasms of uncertain or unknown behaviour

Note: Categories D37-D48 classify by site neoplasms of uncertain or unknown behaviour, i.e., there is doubt whether the neoplasm is malignant or benign. Such neoplasms are assigned behaviour code /1 in the classification of the morphology of neoplasms.

D41 $$ Neoplasm of uncertain or unknown behaviour of urinary organs
D41.0 @ Kidney
D41.00 Mesoblastic nephroma
[UKCCSG and BPA Haematology and Oncology - Group VI]
(ICD morphology code M8960/1)
D41.08 Other neoplasm of uncertain or unknown behaviour of kidney

D43 $$ Neoplasm of uncertain or unknown behaviour of brain and
@ central nervous system
[UKCCSG and BPA Haematology and Oncology - Group III]
The following BPA fifth character extensions may be used with codes D43.-:
.....0 Myxopapillary ependymoma (ICD morphology code M9394/1)
.....1 Subependymoma (ICD morphology code M9383/1)
.....8 Other

D43.0 @ Brain, supratentorial
D43.1 @ Brain, infratentorial
D43.2 Brain, unspecified

D44 $$ Neoplasm of uncertain or unknown behaviour of endocrine
@ glands
D44.4 Craniopharyngeal duct
Craniopharyngioma (ICD morphology code M9350/1)
[UKCCSG and BPA Haematology and Oncology - Group III]
D44.5 Pineal gland
Pinealoma (ICD morphology code M9360/1)
[UKCCSG and BPA Haematology and Oncology - Group III]

D45 # Polycythaemia vera
Morphology code M9950 with behaviour code /1
[UKCCSG and BPA Haematology and Oncology - Group I]

D46 $$ Myelodysplastic syndromes
Includes: morphology code M998 with behaviour code /1
[UKCCSG and BPA Haematology and Oncology - Group I]
D46.9 Myelodysplastic syndrome, unspecified
Myelodysplasia NOS
Preleukaemia (syndrome) NOS

D47 $$ Other neoplasms of uncertain or unknown behaviour of lymphoid, haematopoietic and related tissue
Includes: morphology codes M974, M976, M996-M997 with behaviour code /1
D47.1 Chronic myeloproliferative disease
@ [UKCCSG and BPA Haematology and Oncology - Group I]
Myelofibrosis (with myeloid metaplasia)
Myeloproliferative disease, unspecified
D47.3 Essential (haemorrhagic) thrombocythaemia
Idiopathic haemorrhagic thrombocythaemia

Chapter III (D50-D89)

Diseases of the blood and blood-forming organs and certain disorders involving the immune mechanism

Excludes: autoimmune disease (systemic) NOS (M35.9)
certain conditions originating in the perinatal period (P00-P96)
congenital malformations, deformations and chromosomal abnormalities (Q00-Q99)
endocrine, nutritional and metabolic diseases (E00-E90)
human immunodeficiency virus [HIV] disease (B20-B24)
injury, poisoning and certain other consequences of external causes (S00-T98)
neoplasms (C00-D48)
symptoms, signs and abnormal clinical and laboratory findings, not elsewhere classified (R00-R99)

This chapter contains the following blocks:

D50-D53	Nutritional anaemias
D55-D59	Haemolytic anaemias
D60-D64	Aplastic and other anaemias
D65-D69	Coagulation defects, purpura and other haemorrhagic conditions
D70-D77	Other diseases of blood and blood-forming organs
D80-D89	Certain disorders involving the immune mechanism

Asterisk categories for this chapter are provided as follows:

D63*	Anaemia in chronic diseases classified elsewhere
D77*	Other disorders of blood and blood-forming organs in diseases classified elsewhere

D50-D53 Nutritional anaemias
Includes: Anaemia associated with protein-energy malnutrition (E43-E46)

D50 Iron deficiency anaemia
@

D50.0 @ Iron deficiency anaemia secondary to blood loss (chronic)
Excludes: congenital anaemia from fetal blood loss (P61.3)

D50.1 @ Sideropenic dysphagia

D50.8 Other iron deficiency anaemias
Dietary iron deficiency anaemia

D50.9 Iron deficiency anaemia, unspecified

D51 $$ Vitamin B12 deficiency anaemia
Cyanocobalamin deficiency anaemia
Excludes: vitamin B12 deficiency without anaemia (E53.81)

D51.0 @ Vitamin B12 deficiency anaemia due to intrinsic factor deficiency
Pernicious anaemia (congenital)

D51.2 Transcobalamin II deficiency

D51.9 Vitamin B12 deficiency anaemia, unspecified

D52 Folate deficiency anaemia
D52.0 @ Dietary folate deficiency anaemia
D52.1 Drug-induced folate deficiency anaemia
Use additional external cause code (Chapter XX), if desired, to identify drug.
D52.8 Other folate deficiency anaemias
D52.9 @ Folate deficiency anaemia, unspecified

D53 $$ Other nutritional anaemias
Includes: megaloblastic anaemia unresponsive to vitamin B12 or folate therapy
D53.0 @ Protein deficiency anaemia
D53.9 Nutritional anaemia, unspecified
@ Excludes: anaemia NOS (D64.9)

D55-D59 Haemolytic anaemias

D55 Anaemia due to enzyme disorders
Excludes: drug-induced enzyme deficiency anaemia (D59.2)
D55.0 Anaemia due to glucose-6-phosphate dehydrogenase [G6PD] deficiency
Favism
G6PD deficiency anaemia
D55.1 Anaemia due to other disorders of glutathione metabolism
@ Anaemia due to enzyme deficiencies, except G6PD, related to the hexose monophosphate [HMP] shunt pathway
D55.2 @ Anaemia due to disorders of glycolytic enzymes
D55.20 Haemolytic anaemia due to pyruvate kinase [PK] deficiency
D55.21 Haemolytic anaemia - glucose phosphate isomerase [GPI] deficiency
D55.22 Haemolytic anaemia due to hexokinase [HK] deficiency
D55.23 Haemolytic anaemia - triose phosphate isomerase [TPI] deficiency
D55.24 Haemolytic anaemia - phosphoglycerate kinase [PGK] deficiency
D55.25 Haemolytic anaemia due to phosphofructokinase [PFK] deficiency
Excludes: muscle phosphofructokinase deficiency (E74.0A)
D55.28 Haemolytic anaemia due to other glycolytic enzyme deficiency
D55.3 Anaemia due to disorders of nucleotide metabolism
D55.30 Anaemia due to adenylate kinase deficiency
D55.31 Anaemia due to pyrimidine 5'-nucleotidase deficiency
D55.8 Other anaemias due to enzyme disorders
Fructose-1,6-bisphosphatase deficiency
D55.9 Anaemia due to enzyme disorder, unspecified

D56 Thalassaemia
D56.0 Alpha thalassaemia
Alpha thalassaemia minor
Haemoglobin H disease
Excludes: hydrops fetalis due to haemolytic disease (P56.-)
D56.1 @ Beta thalassaemia
D56.10 Beta thalassaemia major
D56.11 Beta thalassaemia intermedia
D56.12 Sickle-cell beta thalassaemia
D56.2 Delta-beta thalassaemia
D56.3 Thalassaemia trait
Beta thalassaemia minor

D56.4 Hereditary persistence of fetal haemoglobin [HPFH]
D56.8 Other thalassaemias
D56.80 Haemoglobin E ß thalassaemia
D56.81 Haemoglobin-S/Hereditary persistence of fetal haemoglobin disease [Hb-S/HPFH]
D56.88 Other specified thalassaemia
D56.9 @ Thalassaemia, unspecified

D57 Sickle-cell disorders
@ Excludes: sickle-cell beta thalassaemia (D56.12)
D57.0 Sickle-cell anaemia with crisis
Hb-SS disease with crisis
D57.1 Sickle-cell anaemia without crisis
@ Sickle cell disease NOS
D57.2 @ Double heterozygous sickling disorders
D57.20 Haemoglobin-S/Haemoglobin-C disease
D57.3 Sickle-cell trait
@ Hb-S trait
D57.8 Other sickle-cell disorders

D58 Other hereditary haemolytic anaemias
D58.0 @ Hereditary spherocytosis
D58.1 @ Hereditary elliptocytosis
D58.2 Other haemoglobinopathies
@ Disease: .Hb-C
.Hb-D
.Hb-E
Haemoglobinopathy NOS
Unstable haemoglobin haemolytic disease
D58.8 Other specified hereditary haemolytic anaemias
D58.80 Hereditary stomatocytosis
D58.81 Hereditary pyropoikilocytosis
D58.9 Hereditary haemolytic anaemia, unspecified

D59 Acquired haemolytic anaemia
D59.0 Drug-induced autoimmune haemolytic anaemia
Use additional external cause code (Chapter XX), if desired, to identify drug.
D59.1 Other autoimmune haemolytic anaemias
@ Excludes: haemolytic disease of fetus and newborn (P55.-)
D59.10 Idiopathic haemolytic anaemia, cold type
D59.11 Idiopathic haemolytic anaemia, warm type
D59.2 Drug-induced nonautoimmune haemolytic anaemia
@ Use additional external cause code (Chapter XX), if desired, to identify drug.
D59.3 Haemolytic-uraemic syndrome
D59.30 Haemolytic-uraemic syndrome requiring dialysis
D59.31 Haemolytic-uraemic syndrome not requiring dialysis
D59.4 Other nonautoimmune haemolytic anaemias
@ Use additional external cause code (Chapter XX), if desired, to identify cause.
D59.40 Microangiopathic haemolytic anaemia
D59.41 Haemolytic anaemia secondary to infection
D59.5 @ Paroxysmal nocturnal haemoglobinuria [Marchiafava-Micheli]
D59.6 @ Haemoglobinuria due to haemolysis from other external causes
D59.8 Other acquired haemolytic anaemias
D59.9 @ Acquired haemolytic anaemia, unspecified

D60-D64 Aplastic and other anaemias

D60 Acquired pure red cell aplasia [erythroblastopenia]
@
D60.0 Chronic acquired pure red cell aplasia
D60.1 Transient acquired pure red cell aplasia
Transient erythroblastopenia of childhood
D60.8 Other acquired pure red cell aplasias
D60.9 Acquired pure red cell aplasia, unspecified

D61 Other aplastic anaemias
@
D61.0 @ Constitutional aplastic anaemia
D61.00 Fanconi's anaemia
D61.01 Blackfan-Diamond syndrome
Diamond-Blackfan syndrome
Adenosine deaminase superactivity
D61.02 Pancytopenia with malformations
Pancytopenia associated with aplasia of radius
Excludes: dyskeratosis congenita (Q82.8)
D61.1 Drug-induced aplastic anaemia
Use additional external cause code (Chapter XX), if desired, to identify drug.
D61.2 Aplastic anaemia due to other external agents
Use additional external cause code (Chapter XX), if desired, to identify cause.
D61.3 Idiopathic aplastic anaemia
D61.8 Other specified aplastic anaemias
D61.9 Aplastic anaemia, unspecified
@ Bone marrow failure syndrome NOS
Secondary medullary hypoplasia NOS

D62 # Acute posthaemorrhagic anaemia
Excludes: congenital anaemia from fetal blood loss (P61.3)

D63* Anaemia in chronic diseases classified elsewhere
D63.0* Anaemia in neoplastic disease (C00-D48+)
D63.8* Anaemia in other chronic diseases classified elsewhere

D64 $$ Other anaemias
D64.0 @ Hereditary sideroblastic anaemia
Erythroid 5-aminolevulinate synthase deficiency
D64.4 Congenital dyserythropoietic anaemia
@ Excludes: Blackfan-Diamond syndrome (D61.0)
D64.9 Anaemia, unspecified

D65-D69 Coagulation defects, purpura and other haemorrhagic conditions

D65 # Disseminated intravascular coagulation [defibrination syndrome]
@ Excludes: in newborn (P60)

D66 # Hereditary factor VIII deficiency
@ Haemophilia A

D67 # Hereditary factor IX deficiency
@ Haemophilia B

D68 Other coagulation defects
@
D68.0 Von Willebrand's disease
@ Factor VIII deficiency with vascular defect
Von Willebrand's disease type: .I (classic)
.IIA
.IIB
.IIC
.IID
.III
.other
D68.1 Hereditary factor XI deficiency
@ Haemophilia C
D68.2 @ Hereditary deficiency of other clotting factors
D68.20 Hereditary factor I [fibrinogen] deficiency
Congenital afibrinogenaemia
D68.21 Hereditary factor II [prothrombin] deficiency
D68.22 Hereditary factor V deficiency [labile]
D68.23 Hereditary factor VII deficiency [stable]
D68.24 Hereditary factor X [Stuart-Prower] deficiency
D68.25 Hereditary factor XII [Hageman] deficiency
D68.26 Hereditary factor XIII [fibrin-stabilising] deficiency
D68.27 Congenital dysfibrinogenaemia
D68.28 Hereditary deficiency of other specified clotting factors
D68.3 @ Haemorrhagic disorder due to circulating anticoagulants
D68.4 Acquired coagulation factor deficiency
D68.40 Deficiency of coagulation factor due to liver disease
D68.41 Deficiency of coagulation factor due to vitamin K deficiency
Excludes: vitamin K deficiency of newborn (P53)
D68.42 Deficiency of coagulation factor secondary to infection
D68.43 Deficiency of coagulation factor secondary to haemorrhage
D68.48 Deficiency of coagulation factor due to other cause
D68.8 Other specified coagulation defects
Presence of systemic lupus erythematosus [SLE] inhibitor
Excludes: hereditary haemorrhagic telangiectasia
[Rendu-Osler-Weber disease] (I78.0)
Ehlers-Danlos syndrome (Q79.6)
Peutz-Jeghers syndrome (Q85.8)

D68.80 Thrombotic disorders
Deficiency of: .anti-thrombin III
.alpha$_2$ macroglobulin
.protein C
.protein S

D68.9 Coagulation defect, unspecified

D69 Purpura and other haemorrhagic conditions
@
D69.0 Allergic purpura
@ Henoch-Schönlein purpura
D69.1 Qualitative platelet defects
@ Platelet function disorders
D69.10 Glanzmann's thrombocythaemia
D69.11 Grey platelet syndrome

D69.12 Bernard-Soulier [giant platelet] syndrome
D69.13 Aspirin-like platelet dysfunction
D69.14 Platelet storage pool defects
D69.18 Other platelet function disorders
D69.2 @ Other nonthrombocytopenic purpura
D69.3 Idiopathic thrombocytopenic purpura
@ Immune thrombocytopenia NOS
D69.4 Other primary thrombocytopenia
Congenital thrombocytopenia NOS
Congenital thrombocytopenia with megakaryocyte hypoplasia
Excludes: thrombocytopenia with absent radius (Q87.2)
transient neonatal thrombocytopenia (P61.0)
Wiskott-Aldrich syndrome (D82.0)
D69.5 Secondary thrombocytopenia
Use additional external cause code (Chapter XX), if desired, to identify cause.
D69.50 Kassabach-Merritt syndrome
D69.6 Thrombocytopenia, unspecified
D69.8 @ Other specified haemorrhagic conditions
D69.9 Haemorrhagic condition, unspecified

D70-D77 Other diseases of blood and blood-forming organs

D70 # Agranulocytosis
@ Neutropenias
Use additional external cause code (Chapter XX), if desired, to identify drug, if drug-induced.
Excludes: transient neonatal neutropenia (P61.5)
D70.X0 Cyclical neutropenia
D70.X1 Chronic neutropenia
D70.X2 Other acquired neutropenia
D70.X3 Kostmann's syndrome
D70.X4 Other congenital neutropenia
D70.X5 Immune neutropenia
Neutropenia: .autoimmune
.alloimmune
D70.X6 Idiopathic neutropenia

D71 # Functional disorders of polymorphonuclear neutrophils
@
D71.X0 Chronic granulomatous disease, X-linked
D71.X1 Chronic granulomatous disease, autosomal
D71.X8 Other functional disorders of polymorphonuclear neutrophils
Abnormality of neutrophil mobility

D72 Other disorders of white blood cells
@ Excludes: immunity disorders (D80-D89)
D72.0 Genetic anomalies of leukocytes
@ Excludes: Chediak(-Steinbrinck)-Higashi syndrome (E70.3)
D72.00 Alder's syndrome
D72.01 May-Hegglin anomaly
D72.02 Pelger-Huët anomaly
D72.03 Hereditary hypersegmentation
D72.04 Hereditary hyposegmentation
D72.05 Hereditary leukomelanopathy
D72.08 Other genetic anomalies of leukocytes

D72.1 @ Eosinophilia
D72.8 @ Other specified disorders of white blood cells
D72.80 Leukaemoid reaction
D72.81 Leukocytosis
D72.82 Lymphocytosis
D72.83 Lymphopenia
D72.84 Monocytosis
D72.85 Plasmacytosis
D72.9 Disorder of white blood cells, unspecified

D73 $$ Diseases of spleen
D73.0 Hyposplenism
@ Excludes: asplenia (congenital) (Q89.0)
D73.1 Hypersplenism
@ Excludes: congenital splenomegaly (Q89.0)

D74 Methaemoglobinaemia
D74.0 @ Congenital methaemoglobinaemia
D74.8 @ Other methaemoglobinaemias
D74.9 Methaemoglobinaemia, unspecified

D75 Other diseases of blood and blood forming organs
@
D75.0 Familial erythrocytosis
@ Familial polycythaemia
D75.1 Secondary polycythaemia
@ Excludes: polycythaemia neonatorum (P61.1)
D75.2 @ Essential thrombocytosis
D75.8 Other specified diseases of blood and blood-forming organs
D75.80 Basophilia
D75.81 Reactive thrombocytosis
D75.9 Disease of blood and blood-forming organs, unspecified

D76 Certain diseases involving lymphoreticular tissue and
@ reticulohistiocytic system
Excludes: Letterer-Siwe disease (C96.0)
malignant histiocytosis (C96.1)
Note: Although ICD-10 classifies Letterer-Siwe disease to C96.0, most authors now consider this to be a non-malignant condition within the Langerhans' cell histiocytosis group.
D76.0 Langerhans' cell histiocytosis, not elsewhere classified
[LCH]
D76.00 Eosinophilic granuloma
D76.01 Hand-Schüller-Christian disease
D76.02 Other forms of histiocytosis X (chronic)
D76.1 Haemophagocytic lymphohistiocytosis
@ Familial erythrophagocytic lymphohistiocytosis
D76.2 Haemophagocytic syndrome, infection-associated
Secondary erythrophagocytic lymphohistiocytosis
Use additional code, if desired, to identify infectious agent or disease.
D76.3 @ Other histiocytosis syndromes

D77* # Other disorders of blood and blood-forming organs in
@ diseases classified elsewhere

D80-D89 Certain disorders involving the immune mechanism

Includes: defects in the complement system
immunodeficiency disorders, except human immunodeficiency virus [HIV] disease
sarcoidosis

Excludes: autoimmune disease (systemic) NOS (M35.9)
functional disorders of polymorphonuclear neutrophils (D71)
human immunodeficiency virus [HIV] disease (B20-B24)

D80 Immunodeficiency with predominantly antibody effects
Defects of humoral immunity

D80.0 Hereditary hypogammaglobulinaemia

D80.00 Autosomal recessive agammaglobulinaemia (Swiss type)

D80.01 X-linked agammaglobulinaemia(with growth hormone deficiency)
Bruton's agammaglobulinaemia

D80.1 Nonfamilial hypogammaglobulinaemia
Agammaglobulinaemia with immunoglobulin-bearing B-lymphocytes
Common variable agammaglobulinaemia [CVAgamma]
Hypogammaglobulinaemia NOS

D80.2 Selective deficiency of immunoglobulin A [IgA]
Functional IgA deficiency

D80.3 Selective deficiency of immunoglobulin G [IgG] subclasses
Functional IgG deficiency

D80.30 Deficiency of IgG1 subclass

D80.31 Deficiency of IgG2 subclass

D80.32 Deficiency of IgG3 subclass

D80.33 Deficiency of IgG4 subclass

D80.4 Selective deficiency of immunoglobulin M [IgM]

D80.5 Immunodeficiency with increased immunoglobulin M [IgM]

D80.6 Antibody deficiency with near-normal immunoglobulins or with hyperimmunoglobulinaemia

D80.7 Transient hypogammaglobulinaemia of infancy

D80.8 Other immunodeficiencies with predominantly antibody defects
Kappa-light chain deficiency

D80.9 Immunodeficiency with predominantly antibody defects, unspecified

D81 Combined immunodeficiencies
Excludes: autosomal recessive agammaglobulinaemia (Swiss type) (D80.00)

D81.0 Severe combined immunodeficiency [SCID] with reticular dysgenesis

D81.1 Severe combined immunodeficiency [SCID] with low T- and B-cell numbers

D81.2 Severe combined immunodeficiency [SCID] with low or normal B-cell numbers

D81.3 Adenosine deaminase [ADA] deficiency

D81.4 Nezelof's syndrome

D81.5 Purine nucleoside phosphorylase [PNP] deficiency

D81.6 Major histocompatibility complex class I deficiency
Bare lymphocyte syndrome

D81.7 Major histocompatibility complex class II deficiency

D81.8 Other combined immunodeficiencies
Biotin-dependent carboxylase deficiency

D81.9 Combined immunodeficiency, unspecified
@ SCID NOS

D82 Immunodeficiency associated with other major defects
Excludes: ataxia-telangiectasia [Louis-Bar] (G11.30)
D82.0 Wiskott-Aldrich syndrome
Immunodeficiency with thrombocytopenia and eczema
D82.1 Di George's syndrome
@ Partial Di George syndrome
III/IV branchial arch syndrome
Pharyngeal pouch syndrome
Thymic aplasia or hypoplasia with immunodeficiency
D82.2 Immunodeficiency with short-limbed stature
D82.3 Immunodeficiency following hereditary defective response to Epstein-Barr virus
X-linked lymphoproliferative disease
D82.4 Hyperimmunoglobulin E [IgE] syndrome
Hyper IgE and recurrent infection [Job's syndrome]
D82.8 Immunodeficiency associated with other specified major defects
D82.9 Immunodeficiency associated with major defect, unspecified

D83 Common variable immunodeficiency
D83.0 Common variable immunodeficiency with predominant abnormalities of B-cell numbers and function
D83.1 Common variable immunodeficiency with predominant immunoregulatory T-cell disorders
D83.2 Common variable immunodeficiency with autoantibodies to B- or T-cells
D83.8 Other common variable immunodeficiencies
D83.9 Common variable immunodeficiency, unspecified

D84 Other immunodeficiencies
D84.0 Lymphocyte function antigen-1 [LFA-1] defect
D84.1 Defects in the complement system
D84.10 C1 esterase inhibitor [C1-INH] deficiency
D84.11 C3b uptake [yeast opsonisation] defect
D84.18 Other defects of complement cascade
D84.8 Other specified immunodeficiencies
D84.9 Immunodeficiency, unspecified

D86 $$ Sarcoidosis

D89 Other disorders involving the immune mechanism, not elsewhere classified
@ Excludes: transplant failure and rejection (T86.-)
D89.0 @ Polyclonal hypergammaglobulinaemia
D89.1 @ Cryoglobulinaemia
D89.2 Hypergammaglobulinaemia, unspecified
D89.8 Other specified disorders involving the immune mechanism, not elsewhere classified
D89.9 Disorder involving the immune mechanism, unspecified
Immune disease NOS

Chapter IV, (E00-E90)

Endocrine, nutritional and metabolic diseases

Note: All neoplasms, whether functionally active or not, are classified in Chapter II. Appropriate codes in this chapter (i.e. E05.8, E07.0, E16-E31, E34.-) may be used, if desired, as additional codes to indicate either functional activity by neoplasms and ectopic endocrine tissue or hyperfunction and hypofunction of endocrine glands associated with neoplasms and other conditions classified elsewhere.

Excludes: symptoms, signs and abnormal clinical and laboratory
@ findings, not elsewhere classified (R00-R99)
transitory endocrine and metabolic disorders specific to fetus and newborn (P70-P74)

This chapter contains the following blocks:

E00-E07	Disorders of thyroid gland
E10-E14	Diabetes mellitus
E15-E16	Other disorders of glucose regulation and pancreatic internal secretion
E20-E35	Disorders of other endocrine glands
E40-E46	Malnutrition
E50-E64	Other nutritional deficiencies
E65-E68	Obesity and other hyperalimentation
E70-E90	Metabolic disorders

Asterisk categories for this chapter are provided as follows:

E35*	Disorders of endocrine glands in diseases classified elsewhere
E90*	Nutritional and metabolic disorders in diseases classified elsewhere

E00-E07 $ Disorders of thyroid gland

E00 $$ Congenital iodine-deficiency syndrome
@ Endemic cretinism

E01 Iodine-deficiency-related thyroid disorder and allied conditions
@ Excludes: congenital iodine-deficiency syndrome (E00.-)
E01.0 Iodine-deficiency-related diffuse (endemic) goitre
E01.1 Iodine-deficiency-related multinodular (endemic) goitre
Iodine-deficiency-related nodular (endemic) goitre
E01.2 Iodine-deficiency-related (endemic) goitre, unspecified
Endemic goitre NOS
E01.8 Other iodine-deficiency-related thyroid disorders and allied conditions
Acquired iodine-deficiency hypothyroidism NOS

E03 $$ Other hypothyroidism
@ Excludes: postprocedural hypothyroidism (E89.0)
E03.0 Congenital hypothyroidism with diffuse goitre
Goitre (nontoxic) congenital: . NOS
. parenchymatous
Excludes: transitory congenital goitre with normal function (P72.0)
dyshormogenetic goitre (E07.1)

```
E03.1     Congenital hypothyroidism without goitre
@          Congenital: . atrophy of thyroid
                       . hypothyroidism NOS
E03.10    Congenital thyroid aplasia
E03.11    Congenital thyroid hypoplasia
E03.12    Congenital thyroid dystopia
           Congenital thyroid ectopia
E03.18    Other congenital hypothyroidism without goitre
E03.2     Hypothyroidism due to medicaments and other exogenous
           substances
            Use additional external cause code (Chapter XX), if
             desired, to identify cause.
E03.3     Postinfectious hypothyroidism
E03.5     Myxoedema coma
E03.9   @ Hypothyroidism, unspecified

E04     $$ Other nontoxic goitre
@          Excludes: congenital goitre (E03.0)
                     iodine-deficiency-related goitre (E00-E02)
E04.0     Nontoxic diffuse  goitre
           Goitre, nontoxic: . diffuse (colloid)
                             . simple
E04.1   @ Nontoxic single thyroid nodule
E04.2   @ Nontoxic multinodular goitre

E05     $$ Thyrotoxicosis [hyperthyroidism]
@          Excludes: neonatal thyrotoxicosis (P72.1)
E05.0     Thyrotoxicosis with diffuse goitre
           Exophthalmic or toxic goitre NOS
           Graves' disease
           Toxic diffuse goitre
E05.1   @ Thyrotoxicosis with toxic single thyroid nodule
E05.2     Thyrotoxicosis with toxic multinodular goitre
           Toxic nodular goitre NOS
E05.80    Overproduction of thyroid-stimulating hormone
E05.9   @ Thyrotoxicosis, unspecified
           Hyperthyroidism NOS

E06     $$ Thyroiditis
@
E06.3   @ Autoimmune thyroiditis
E06.30    Hashimoto's thyroiditis (with hypothyroidism)
E06.31    Hashitoxicosis (transient)
E06.38    Other autoimmune thyroiditis

E07     $$ Other disorders of thyroid
E07.0     Hypersecretion of calcitonin
           C-cell hyperplasia of thyroid
           Hypersecretion of thyrocalcitonin
E07.1     Dyshormogenetic goitre
@          Excludes: transitory congenital goitre with normal
                     function (P72.0)
E07.10    Hypothyroidism due to iodide trapping defect
E07.11    Hypothyroidism due to iodide organification defect
           Pendred's syndrome
E07.12    Hypothyroidism due to coupling defect
E07.13    Hypothyroidism due to deiodase defect
E07.14    Hypothyroidism due to thyroglobulin synthesis defect
```

E07.18 . Other dyshormonogenetic goitre
E07.8 Other specified disorders of thyroid
@ Sick-euthyroid syndrome
E07.80 Abnormality of thyroid-binding globulin

E10-E14 $ Diabetes mellitus

@ Use additional external cause code (Chapter XX), if desired, to identify drug, if drug-induced.

The following fourth-character subdivisions are for use with categories E10-E14:

.0 With coma
Diabetic: . coma with or without ketoacidosis
. hyperosmolar coma
. hypoglycaemic coma
Hyperglycaemic coma NOS

.1 With ketoacidosis
Diabetic: . acidosis) without mention of coma
. ketoacidosis)

.2+ With renal complications
Diabetic nephropathy (N08.3*)

.3+ With ophthalmic complications

.4+ With neurological complications

.5 With peripheral circulatory complications

.6 With other specified complications

.7 With multiple complications

.8 With unspecified complications

.9 Without complications

E10 Insulin-dependent diabetes mellitus
@ [see page ?? for subdivisions]
Includes: diabetes (mellitus): .juvenile-onset
.type 1
Excludes: neonatal diabetes mellitus (P70.2)
DIDMOAD syndrome (E31.80)
glycosuria: . NOS (R81)
. renal (E74.8)
impaired glucose tolerance (R73.0)
postsurgical hypoinsulinaemia (E89.1)

E11 Non-insulin-dependent diabetes mellitus
@ [see page ?? for subdivisions]
Includes: non-insulin-dependent diabetes of the young
Excludes: neonatal diabetes mellitus (P70.2)
impaired glucose tolerance (R73.0)

E12 Malnutrition-related diabetes mellitus
@ [see page ?? for subdivisions]

E15-E16 Other disorders of glucose regulation and pancreatic internal secretion

E15 # Nondiabetic hypoglycaemic coma
Drug-induced insulin coma in nondiabetic
Hyperinsulinism with hypoglycaemic coma
Hypoglycaemic coma NOS
Use additional external cause code (Chapter XX), if desired, to identify drug, if drug-induced.

E16 $$ Other disorders of pancreatic internal secretion
E16.0 Drug-induced hypoglycaemia without coma
Use additional external cause code (Chapter XX), if desired, to identify drug.
Somogyi effect
E16.1 Other hypoglycaemia
Functional nonhyperinsulinaemic hypoglycaemia
Hyperinsulinism: . NOS
. functional
Posthypoglycaemic coma encephalopathy
Hyperplasia of pancreatic islet beta cells NOS
Alcohol induced
Use additional code to identify toxic effect of ethanol, (T51.0), if desired.
Excludes: hypoglycaemia: .due to specific metabolic defect (E70-E90)
nesidioblastosis (D13.70)
insulinoma [islet cell adenoma] (D13.7)
E16.2 Hypoglycaemia, unspecified

E20-E35 Disorders of other endocrine glands
Excludes: galactorrhoea (N64.3)
gynaecomastia (N62)

E20 Hypoparathyroidism
@ Excludes: Di George's syndrome (D82.1)
postprocedural hypoparathyroidism (E89.2)
transitory neonatal hypoparathyroidism (P71.4)
E20.0 Idiopathic hypoparathyroidism
E20.1 Pseudohypoparathyroidism
E20.8 Other hypoparathyroidism
E20.80 Pseudopseudohypoparathyroidism
Pseudopseudohypoparathyroidism types I and II
E20.9 Hypoparathyroidism, unspecified

E21 Hyperparathyroidism and other disorders of parathyroid gland
@ Excludes: osteomalacia, infantile and juvenile (E55.0)
E21.0 Primary hyperparathyroidism
@ Osteitis fibrosa cystica generalisata [von Recklinghausen's disease of bone]
E21.1 Secondary hyperparathyroidism, not elsewhere classified
Excludes: secondary hyperparathyroidism of renal origin (N25.8)

E21.2 Other hyperparathyroidism
Excludes: familial hypocalciuric hypercalcaemia (E83.5)
E21.3 Hyperparathyroidism, unspecified
E21.4 Other specified disorders of parathyroid gland
E21.5 Disorder of parathyroid gland, unspecified

E22 Hyperfunction of pituitary gland
Excludes: Cushing's syndrome (E24.-)
Nelson's syndrome (E24.1)
overproduction of:
. ACTH not associated with Cushing's disease (E27.0)
. pituitary ACTH (E24.0)
. thyroid-stimulating hormone (E05.8)
E22.0 Acromegaly and pituitary gigantism
@ Overproduction of growth hormone
Excludes: constitutional tall stature (E34.4)
increased secretion from endocrine pancreas of growth hormone-releasing hormone (E16.8)
E22.1 @ Hyperprolactinaemia
E22.2 Syndrome of inappropriate secretion of antidiuretic hormone
E22.8 Other hyperfunction of pituitary gland
E22.80 Central precocious puberty
Central precocious puberty secondary to hypothalamic disorder
Excludes: precocious puberty (E30.1)
E22.9 Hyperfunction of pituitary gland, unspecified

E23 Hypofunction and other disorders of pituitary gland
Includes: the listed conditions whether the disorder is in the pituitary or the hypothalamus
Excludes: postprocedural hypopituitarism (E89.3)
E23.0 Hypopituitarism
@ Panhypopituitarism
Pituitary: . cachexia
. short stature
Simmonds' disease
Excludes: postprocedural and postirradiation hypopituitarism (E89.3)
E23.00 Isolated deficiency of gonadotropin
Hypogonadotropic hypogonadism
Kallmann's syndrome
E23.01 Isolated deficiency of growth hormone
Idiopathic growth hormone deficiency
Lorain-Levi short stature
E23.02 Isolated deficiency of thyroid stimulating hormone [TSH]
E23.03 Isolated deficiency of adrenocorticotrophic hormone [ACTH]
E23.08 Other specified hypopituitarism
E23.1 Drug-induced hypopituitarism
Use additional external cause code (Chapter XX), if desired, to identify drug.
E23.2 Diabetes insipidus
Excludes: nephrogenic diabetes insipidus (N25.1)
E23.3 Hypothalamic dysfunction, not elsewhere classified
Excludes: Prader-Willi syndrome (Q87.1)
Russell-Silver syndrome (Q87.1)
E23.6 @ Other disorders of pituitary gland
E23.60 Diencephalic syndrome

E23.7 Disorder of pituitary gland, unspecified

E24 $$ Cushing's syndrome
E24.0 Pituitary dependent Cushing's disease
Overproduction of pituitary ACTH
Pituitary-dependent hyperadrenocorticism
E24.1 Nelson's syndrome
E24.2 Drug-induced Cushing's syndrome
Use additional external cause code (Chapter XX), if desired, to identify drug.
E24.3 Ectopic ACTH syndrome
E24.9 Cushing's syndrome, unspecified

E25 Adrenogenital disorders
@ Includes: adrenogenital syndromes, virilizing or feminizing, whether acquired or due to adrenal hyperplasia consequent on inborn enzyme defects in hormone synthesis
virilization (female)
Excludes: congenital adrenal hypoplasia (Q89.11)

E25.0 Congenital adrenogenital disorders associated with enzyme deficiency
Congenital adrenal hyperplasia [CAH]
E25.00 Defective synthesis of 21 Hydroxylase
Salt losing and non-salt losing types
E25.01 Defective synthesis of 11ß Hydroxylase
Hypertensive and non-hypertensive types
E25.02 Defective synthesis of 3ß Hydroxysteroid dehydrogenase
E25.03 Defective synthesis of 17-20 Desmolase
E25.04 Defective synthesis of 17α Hydroxylase
E25.05 Defective synthesis of Cholesterol desmolase
Lipoid adrenal hyperplasia
E25.06 Defect synthesis of 18 Hydroxylase/18 Hydroxysteroid dehydrogenase
E25.07 Defective synthesis of 17ß Hydroxysteroid dehydrogenase
E25.08 Other congenital adrenogenital disorders with enzyme deficiency
E25.8 @ Other adrenogenital disorders
E25.9 Adrenogenital disorder, unspecified
Adrenogenital syndrome NOS

E26 Hyperaldosteronism
E26.0 Primary hyperaldosteronism
@ Conn's syndrome
E26.1 Secondary hyperaldosteronism
E26.8 Other hyperaldosteronism
E26.80 Bartter's syndrome
E26.9 Hyperaldosteronism, unspecified

E27 Other disorders of adrenal gland
E27.0 Other adrenocortical overactivity
@ Premature adrenarche
Premature pubarche
Excludes: Cushing's syndrome (E24.-)
E27.1 Primary adrenocortical insufficiency
@ Addison's disease
Autoimmune adrenalitis

E27.2 Addisonian crisis
Adrenal crisis
Adrenocortical crisis
E27.3 Drug-induced adrenocortical insufficiency
Use additional external cause code (Chapter XX), if desired, to identify drug.
E27.4 . Other and unspecified adrenocortical insufficiency
Adrenal: . haemorrhage
. infarction
Adrenocortical insufficiency NOS
Hypoaldosteronism
Excludes: adrenoleukodystrophy [Addison-Schilder] (E71.3B)
Waterhouse-Friderichsen syndrome (A39.1)
pseudohypoaldosteronism (E34.80)
E27.5 Adrenomedullary hyperfunction
Adrenomedullary hyperplasia
Catecholamine hypersecretion
E27.8 @ Other specified disorders of adrenal gland
E27.9 Disorder of adrenal gland, unspecified

E28 $$ Ovarian dysfunction
@ Excludes: isolated gonadotropin deficiency (E23.0)
E28.0 @ Oestrogen excess
E28.1 @ Androgen excess
E28.2 @ Polycystic ovarian syndrome
Stein-Leventhal syndrome
E28.3 @ Primary ovarian failure
Premature menopause NOS
Excludes: Turner's syndrome (Q96.-)

E29 $$ Testicular dysfunction
@ Excludes: androgen resistance syndrome [testicular feminisation] (E34.5)
isolated gonadotropin deficiency (E23.0)
Klinefelter's syndrome (Q98.0-Q98.2, Q98.4)
E29.0 @ Testicular hyperfunction
E29.1 Testicular hypofunction
@ Defective biosynthesis of testicular androgen NOS
5-α-Reductase deficiency
Testicular hypogonadism NOS

E30 $$ Disorders of puberty, not elsewhere classified
E30.0 Delayed puberty
Constitutional delay of puberty
Delayed sexual development
E30.1 Precocious puberty
@ Precocious puberty associated with hypothyroidism (use also appropriate code from E00-E07)
Excludes: Albright(-McCune)(-Sternberg) syndrome (Q78.1)
central precocious puberty (E22.8)
congenital adrenal hyperplasia (E25.0)
E30.8 Other disorders of puberty
E30.80 Premature thelarche
E30.81 Thelarche variant

E31 $$ Polyglandular dysfunction
@
E31.0 @ Autoimmune polyglandular failure

E31.1 Polyglandular hyperfunction
Excludes: multiple endocrine adenomatosis (D44.8)
E31.8 Other polyglandular dysfunction
E31.80 DIDMOAD syndrome
Pituitary diabetes insipidus, diabetes mellitus, optic atrophy and deafness

E32 $$ Diseases of thymus
Excludes: aplasia or hypoplasia with immunodeficiency (D82.1)
myasthenia gravis (G70.0)

E34 $$ Other endocrine disorders
@
E34.3 Short stature, not elsewhere classified
@ Excludes: progeria (E34.8)
Russell-Silver syndrome (Q87.1)
short-limbed stature with immunodeficiency (D82.2)
short stature: . achondroplastic (Q77.4)
. hypochondroplastic (Q77.4)
. in specific dysmorphic syndromes - code to syndrome - see alphabetical index
. nutritional (E45)
. pituitary (E23.0)
. renal (N25.0)
E34.30 Familial short stature
E34.31 Constitutional delay of growth (and puberty)
E34.32 Laron-type short stature
E34.33 Psychosocial short stature
E34.38 Other specified short stature
E34.39 Short stature, unspecified
E34.4 @ Constitutional tall stature
E34.5 Androgen resistance syndrome
Male pseudohermaphroditism with androgen resistance
Peripheral hormonal receptor disorder
Reifenstein's syndrome
Testicular feminization (syndrome)
E34.8 Other specified endocrine disorders
Pineal gland dysfunction
Progeria
E34.80 Pseudohypoaldosteronism
E34.9 @ Endocrine disorder, unspecified

E35* $$ Disorders of endocrine glands in diseases classified elsewhere

E40-E46 $ Malnutrition

Note: The degree of malnutrition can be usefully expressed solely in terms of weight-for-height and height-for-age measurements. When one or more previous measurements are available, lack of weight gain in children, or evidence of weight loss is usually indicative of malnutrition. When only one measurement is available, the diagnosis is based on probabilities and is not definitive without other clinical or laboratory tests. In the exceptional circumstances that no measurement of weight is available, reliance should be placed on clinical evidence. If an observed weight is less than 90% of the predicted weight for the child's height there is a high probability of malnutrition.

Note: As stated in the introductory section to this classification, the definitions of malnutrition used here are those recommended by the BPA Standing Committee on Nutrition and differ significantly from those recommended by WHO. For the WHO recommended terms please see ICD-10.

Excludes: intestinal malabsorption (K90.-)
nutritional anaemias (D50-D53)
sequelae of protein-energy malnutrition (E64.0)
slim disease (B22.2)
starvation (T73.0)

E43.X0 Severe nutritional wasting: <70% weight for height

E44.00 Moderate nutritional wasting: 70-80% weight for height

E44.10 Mild nutritional wasting: 80-90% weight for height

E45 # Retarded development following protein-energy malnutrition
Nutritional: . short stature
. stunting
Physical retardation due to malnutrition
E45.X0 Severe nutritional stunting: <85% height for age
E45.X1 Moderate nutritional stunting: 85-89% height for age
E45.X2 Mild nutritional stunting: 90-95% height for age

E46 # Unspecified protein-energy malnutrition
Malnutrition NOS
Protein-energy imbalance NOS
E46.X0 Nutritional oedema, not otherwise specified

E50-E64 Other nutritional deficiencies
Excludes: nutritional anaemias (D50-D53)

E50 $$ Vitamin A deficiency
Excludes: sequelae of vitamin A deficiency (E64.1)

E51 $$ Thiamine deficiency
Excludes: sequelae of thiamine deficiency (E64.8)
E51.1 @ Beriberi

```
E52    # Niacin deficiency [pellagra]
@          Deficiency: . niacin(-tryptophan)
                       . nicotinamide
           Excludes: sequelae of niacin deficiency (E64.8)

E53        Deficiency of other B group vitamins
           Excludes: sequelae of vitamin B deficiency (E64.8)
                     vitamin B12 deficiency anaemia (D51.-)
E53.0      Riboflavin deficiency
           Ariboflavinosis
E53.1      Pyridoxine deficiency
           Vitamin B6 deficiency
           Excludes: pyridoxine-responsive sideroblastic anaemia
                      (D64.3)
E53.8      Deficiency of other specified B group vitamins
E53.80     Folate deficiency
           Folic acid deficiency
E53.81     Vitamin B12 deficiency
           Deficiency of cyanocobalamin
E53.82     Biotin deficiency
E53.83     Pantothenic acid deficiency
E53.9      Vitamin B deficiency, unspecified

E54    #   Ascorbic acid deficiency
           Deficiency of vitamin C
           Scurvy
           Excludes: scorbutic anaemia (D53.2)
                     sequelae of vitamin C deficiency (E64.2)

E55        Vitamin D deficiency
@          Excludes: sequelae of rickets (E64.3)
E55.0      Rickets, active
             Osteomalacia: . infantile
                           . juvenile
           Excludes: rickets: . coeliac (K90.0)
                              . Crohn's (K50.-)
                              . inactive (E64.3)
                              . renal (N25.0)
                              . vitamin-D-resistant (E83.3)
E55.9    @ Vitamin D deficiency, unspecified

E56        Other vitamin deficiencies
           Excludes: sequelae of other vitamin deficiencies (E64.8)
E56.0      Deficiency of vitamin E
E56.1      Deficiency of vitamin K
           Excludes: deficiency of coagulation factor due to vitamin K
                      deficiency (D68.4)
                     vitamin K deficiency of newborn (P53)
E56.8      Deficiency of other vitamins
E56.9      Vitamin deficiency, unspecified

E58    #   Dietary calcium deficiency
           Excludes: disorder of calcium metabolism (E83.5)
                     sequelae of calcium deficiency (E64.8)

E59    #   Dietary selenium deficiency
@          Excludes: sequelae of selenium deficiency (E64.8)
```

E60 # Dietary zinc deficiency

E61 Deficiency of other nutrient elements
Use additional external cause code (Chapter XX), if desired, to identify drug, if drug-induced.
Excludes: disorders of mineral metabolism (E83.-)
iodine-deficiency-related thyroid disorders (E00-E02)
sequelae of malnutrition and other nutritional deficiencies (E64.-)

E61.0 Copper deficiency
E61.1 Iron deficiency
Excludes: iron deficiency anaemia (D50.-)
E61.2 Magnesium deficiency
E61.3 Manganese deficiency
E61.4 Chromium deficiency
E61.5 Molybdenum deficiency
E61.6 Vanadium deficiency
E61.7 Deficiency of multiple nutrient elements
E61.8 Deficiency of other specified nutrient elements
E61.80 Iodine deficiency (non hypothyroid)
E61.81 Chloride deficiency
E61.9 Deficiency of nutrient element, unspecified

E63 $$ Other nutritional deficiencies
@ Excludes: failure to thrive (R62.8)
sequelae of malnutrition and other nutritional deficiencies (E64.-)
E63.80 Carnitine deficiency

E64 $$ Sequelae of malnutrition and other nutritional deficiencies

E65-E68 $ Obesity and other hyperalimentation

E66 $$ Obesity
@ Excludes: Prader-Willi syndrome (Q87.1)
E66.0 Obesity due to excess calories
E66.1 Drug-induced obesity
Use additional external cause code (Chapter XX), if desired, to identify drug.
E66.9 Obesity, unspecified
Simple obesity NOS

E67 $$ Other hyperalimentation
Excludes: hyperalimentation NOS (R63.2)
sequelae of hyperalimentation (E68)

E68 # Sequelae of hyperalimentation

E70-E90 Metabolic disorders
Excludes: androgen resistance syndrome (E34.5)
congenital adrenal hyperplasia (E25.0)
Ehlers-Danlos syndrome (Q79.6)
haemolytic anaemias due to enzyme disorders (D55.-)
Marfan's syndrome (Q87.4)
5-α-Reductase deficiency (E29.1)

E70 Disorders of aromatic amino-acid metabolism

E70.0 Classical phenylketonuria
PKU
Severe phenylalanine hydroxylase deficiency

E70.1 Other hyperphenylalaninaemias
E70.10 Persistent hyperphenylalaninaemia
Partial phenylalanine hydroxylase deficiency
E70.11 Transient hyperphenylalaninaemia
E70.12 Acquired hyperphenylalaninaemia
Secondary hyperphenylalaninaemia

E70.13 Malignant hyperphenylalaninaemia
Disorder of tetrahydrobiopterin metabolism
E70.14 Dihydropteridine reductase deficiency
Atypical phenylketonuria
E70.15 6-pyruvoyl-tetrahydrobiopterin synthase deficiency
E70.16 Guanosine 5 triphosphate cyclohydrolase deficiency
Hyperphenylalaninaemia with neopterin deficiency
E70.17 Sepiapterin reductase deficiency
E70.18 Pterin 4 carbinolamine dehydratase deficiency

E70.2 Disorders of tyrosine metabolism
@ Ochronosis
Tyrosinosis
E70.20 Alkaptonuria
Homogentisate 1,2-dioxygenase deficiency
E70.21 Transitory neonatal hypertyrosinaemia
E70.22 Fumaryl acetoacetase deficiency
Tyrosinaemia type I
E70.23 Hepatic tyrosine aminotransferase deficiency
Richner-Hanhart syndrome
Tyrosinaemia type II
E70.24 4-hydroxyphenylpyruvate dioxygenase deficiency
Tyrosinaemia type III
E70.28 Other specified disorders of tyrosine metabolism

E70.3 Albinism
Albinism: . ocular
. oculocutaneous
Syndrome: . Chediak(-Steinbrinck)-Higashi
. Cross
. Hermansky-Pudlak
Tyrosinase: . negative oculocutaneous albinism
. positive oculocutaneous albinism
E70.30 Waardenburg's syndrome

E70.8 Other disorders of aromatic amino-acid metabolism

E70.80 Disorders of catecholamine synthesis
E70.81 Aromatic amino-acid decarboxylase deficiency
E70.82 Dopamine ß-hydroxylase deficiency

E70.83 Disorders of histidine metabolism
E70.84 Histidinuria
E70.85 Histidine ammonia-lyase deficiency
E70.86 Urocanate hydratase deficiency
E70.87 Aminoacyl-histidine dipeptidase deficiency

E70.88 Disorder of tryptophan metabolism
Tryptophanaemia

E70.9 Disorder of aromatic amino-acid metabolism, unspecified

E71 Disorders of branched-chain amino-acid metabolism and fatty-acid metabolism

E71.0 Maple-syrup-urine disease
Branched-chain α-keto acid dehydrogenase deficiency
E71.00 Classical maple-syrup-urine disease
E71.01 Intermittent maple-syrup-urine disease
E71.02 Thiamin-responsive maple-syrup-urine disease

E71.1 Other disorders of branched-chain amino-acid metabolism
E71.10 Hyperleucine-isoleucinaemia
E71.11 Hypervalinaemia
E71.12 Isovaleric acidaemia
Isovaleryl-CoA dehydrogenase deficiency
E71.13 Methylmalonic acidaemia
Methylmalonyl-CoA mutase deficiency: .partial
.complete
Adenosylcobalamin synthesis defects -cobalamin A, cobalamin B
Adenosylcobalamin and methylcobalamin synthesis defects - cobalamin C, cobalamin D, cobalamin F
E71.14 Propionyl-CoA carboxylase deficiency
Propionic acidaemia
Ketotic hyperglycinaemia
E71.15 3-methylcrotonyl-CoA carboxylase deficiency
E71.16 3-methylglutaconic aciduria
E71.17 3-hydroxy-3-methylglutaryl CoA lyase deficiency
E71.18 Mevalonic aciduria
Mevalonate kinase deficiency
E71.19 Acetyl-CoA acyltransferase deficiency
ß ketothiolase deficiency

E71.2 Disorder of branched-chain amino-acid metabolism, unspecified

E71.3 Disorders of fatty-acid metabolism
Excludes: Refsum's disease (G60.1)
Schilder's disease (G37.0)
Zellweger's syndrome (Q87.83)
E71.30 Short-chain acyl CoA dehydrogenase deficiency
SCAD deficiency

E71.31 Medium-chain acyl CoA dehydrogenase deficiency
MCAD deficiency
E71.32 Long-chain acyl CoA dehydrogenase deficiency
LCAD deficiency
E71.33 Very long-chain acyl CoA dehydrogenase deficiency
VLCAD deficiency
E71.34 Multiple acyl CoA dehydrogenase deficiencies
Glutaric aciduria type II
E71.35 Long-chain 3-hydroxy acyl CoA dehydrogenase deficiency
E71.36 Short-chain 3-hydroxy acyl CoA dehydrogenase deficiency
E71.37 Carnitine palmityltransferase I deficiency
Liver forms of carnitine palmityltransferase deficiency
E71.38 Primary carnitine deficiency
E71.39 Carnitine palmityltransferase II deficiency
Muscle form of carnitine palmityltransferase deficiency
E71.3A Other specified disorders of fatty-acid metabolism

E71.3B X-linked adrenoleukodystrophy [Addison-Schilder]
Note: this is a peroxisomal disorder

E72 Other disorders of amino-acid metabolism
Excludes: abnormal findings without manifest disease (R70-R89)
disorders of:
. aromatic amino-acid metabolism (E70.-)
. branched-chain amino-acid metabolism (E71.0-E71.2)
. fatty-acid metabolism (E71.3)
. purine and pyrimidine metabolism (E79.-)
gout (M10.-)

E72.0 Disorders of amino-acid transport
Excludes: disorders of tryptophan metabolism (E70.8)

E72.00 Cystinosis
E72.01 Infantile nephropathic cystinosis
Congenital Fanconi(-de Toni)(-Debré) syndrome
E72.02 Juvenile nephropathic cystinosis
E72.03 Benign adult cystinosis
E72.04 Acquired Fanconi(-de Toni)(-Debré) syndrome
Acquired glucoaminophosphaturia syndrome
Use additional external cause code (Chapter XX), if desired, to identify cause.
E72.05 Cystinuria
E72.06 Hartnup disease
E72.07 Lysinuric protein intolerance
E72.08 Lowe's syndrome
Oculocerebrorenal syndrome
E72.09 Dibasic aminoaciduria
E72.0A Other disorders of amino-acid transport

E72.1 Disorders of sulphur-bearing amino-acid metabolism
@ Excludes: transcobalamin II deficiency (D51.2)
combined sulphite oxidase and xanthine oxidase deficiency (molybdenum co-factor deficiency) (E79.86)
adenosylcobalamin and methylcobalamin synthesis defects (E71.13)

E72.10 Cystathione γ-lyase deficiency
γ-cystathionase deficiency
Cystathioninuria
E72.11 Cystathionine-ß-synthase deficiency
Homocystinuria
E72.12 5,10-methylenetetrahydrofolate reductase deficiency
E72.13 Hypermethioninaemia
Hepatic methionine adenosyltransferase deficiency
E72.14 Transcobalamin I deficiency
R-binder deficiency
E72.15 Sulphite oxidase deficiency
E72.18 Other specified disorders of sulphur-bearing amino-acid metabolism

E72.2 Disorders of urea cycle metabolism
@ Excludes: disorders of ornithine metabolism (E72.4)
E72.20 Argininaemia
Arginase deficiency
E72.21 Argininosuccinic aciduria
Argininsuccinate lyase deficiency
E72.22 Citrullinaemia
Argininsuccinate synthase deficiency
E72.23 Ornithine carbamoyltransferase deficiency
OCT deficiency
OTC deficiency
Ornithine transcarbamylase deficiency
E72.24 Carbamoyl-phosphate synthase deficiency
E72.25 *N*-acetylglutamate synthase deficiency
E72.26 Transient hyperammonaemia of infancy
E72.28 Other specified disorders of urea cycle metabolism

E72.3 @ Disorders of lysine and hydroxylysine metabolism
E72.30 Glutaric aciduria type I
Glutaryl CoA dehydrogenase deficiency
E72.31 Hyperlysinaemia
α-aminoadipic semialdehyde deficiency
E72.32 2-ketoadipic acidaemia
E72.38 Other specified disorders of lysine and hydroxylysine metabolism

E72.4 @ Disorders of ornithine metabolism
E72.40 Hyperornithinaemia
Gyrate atrophy of the choroid and retina
(ornithine-oxo-acid aminotransferase deficiency):
.pyridoxine responsive
.pyridoxine nonresponsive
E72.41 Hyperornithinaemia-hyperammonaemia-homocitrullinuria syndrome
E72.48 Other specified disorders of ornithine metabolism

E72.5 Disorders of glycine metabolism
Disorders of proline and glycine metabolism
E72.50 Hyperhydroxyprolinaemia

E72.51 Hyperprolinaemia
Type I, Proline dehydrogenase deficiency
Type II, Pyrroline-5-carboxylate reductase deficiency
E72.52 Prolidase deficiency

E72.53 Non-ketotic hyperglycinaemia
Defect in glycine cleavage system
E72.54 Sarcosinaemia
Sarcosine dehydrogenase deficiency
E72.55 Glucoglycinuria
E72.58 Other specified disorders of proline and glycine metabolism

E72.8 Other specified disorders of amino-acid metabolism
Excludes: aspartoacylase deficiency [Canavan-van Bogaert-Bertrand disease] (E75.29)

E72.81 Disorders of γ-glutamyl cycle
Glutathione S-transferase deficiency
Glutamate-cysteine ligase deficiency
γ-glutamyltransferase deficiency
5-oxoprolinase deficiency
E72.82 Glutathione synthase deficiency with 5-oxoprolinuria
E72.83 Glutathione synthase deficiency without 5-oxoprolinuria

E72.84 Disorders of ß- and omega-amino-acid metabolism
E72.85 Succinate-semialdehyde dehydrogenase deficiency
E72.86 γ-amino butyric acid transaminase deficiency
E72.87 Homocarnosinosis
Serum carnosinase deficiency

E72.9 Disorder of amino-acid metabolism, unspecified

E73 Lactose intolerance
E73.0 Congenital lactase deficiency
E73.1 Secondary lactase deficiency
Acquired lactase deficiency
E73.8 Other lactose intolerance
E73.80 Non-persistence of intestinal lactase
E73.9 Lactose intolerance, unspecified

E74 Other disorders of carbohydrate metabolism
Excludes: increased secretion of glucagon (E16.3)
diabetes mellitus (E10-E14)
hypoglycaemia NOS (E16.2)
mucopolysaccharidosis (E76.0-E76.3)

E74.0 @ Glycogen storage disease
E74.00 Glycogen storage disease Type 0
Glycogen synthase deficiency
E74.01 Glycogen storage disease Type 1a
von Gierke's disease
Glucose 6-phosphatase deficiency
E74.02 Glycogen storage disease Type 1b
Glucose 6-phosphate transport defect
E74.03 Glycogen storage disease Type 1c
Phosphate transport defect
E74.04 Glycogen storage disease Type 1d
Glucose transport defect

E74.05 Glycogen storage disease Type II
Pompe's disease
α-glucosidase deficiency (acid maltase deficiency):
.infantile onset form
.juvenile onset form
.adult onset form
E74.06 Glycogen storage disease Type III
Cori's disease
Amylo-1,6-glucosidase deficiency
Debrancher deficiency
Forbes' disease
E74.07 Glycogen storage disease Type IV
Branching-transferase deficiency glycogenosis
Andersen's disease
Branching enzyme deficiency
E74.08 Glycogen storage disease Type V
McArdle's disease
Muscle glycogen phosphorylase deficiency
E74.09 Glycogen storage disease Type VI
Hers' disease
Hepatic glycogen phosphorylase deficiency
E74.0A Glycogen storage disease Type VII
Tauri's disease
Muscle phosphofructokinase deficiency
Excludes: red-cell phosphofructokinase deficiency (D55.25)
E74.0B Glycogen phosphorylase kinase deficiency
Hepatic and other forms
E74.0C Deficiencies of other enzymes related to glycogen metabolism

E74.1 Disorders of fructose metabolism
E74.10 Fructokinase deficiency
Essential fructosuria
E74.11 Fructose-1,6-bisphosphatase deficiency
Fructose-1,6-diphosphatase deficiency
E74.12 Fructose-1,6-bisphosphate aldolase B deficiency
Hereditary fructose intolerance

E74.2 Disorders of galactose metabolism
E74.20 Galactose-1-phosphate uridyl transferase deficiency
Classical galactosaemia
E74.21 Uridine diphosphate galactose-4-epimerase deficiency
Generalised type
Type restricted to red and white blood cells
E74.22 Galactokinase deficiency
E74.28 Other specified disorders of galactose metabolism

E74.3 Other disorders of intestinal carbohydrate absorption
@ Excludes: lactose intolerance (E73.-)
E74.30 Glucose-galactose malabsorption
E74.31 Sucrase-isomaltase deficiency
E74.32 α,α-trehalase deficiency
E74.33 Acquired monosaccharide malabsorption

E74.4 Disorders of pyruvate metabolism and gluconeogenesis
Excludes: with anaemia (D55.-)
Leigh's disease (G31.81)
E74.40 Phosphoenol pyruvate carboxykinase deficiency
E74.41 Pyruvate carboxylase deficiency

E74.42 Pyruvate dehydrogenase deficiency
E74.43 Lactate dehydrogenase deficiency
E74.44 Dihydrolipoyl dehydrogenase deficiency
E74.45 Fumarase deficiency
E74.46 Disorders of the mitochondrial respiratory chain
Deficiency of: . complex I (NADH dehydrogenase)
. complex II (succinate dehydrogenase)
. complex III (ubiquinone dehydrogenase)
. complex IV (cytochrome C oxidase)
. complex V (ATP synthase)
E74.48 Other specified disorders of pyruvate metabolism and gluconeogenesis

E74.8 @ Other specified disorders of carbohydrate metabolism
E74.80 Essential pentosuria
L-xylulose reductase deficiency

E74.81 Oxalosis, unspecified
E74.82 Primary hyperoxaluria type II
Glycerate dehydrogenase deficiency
Oxalosis type II
For Primary hyperoxaluria type I see E88.8M

E74.83 Enteric hyperoxaluria
Secondary hyperoxaluria

E74.84 Renal glycosuria

E74.9 Disorder of carbohydrate metabolism, unspecified

E75 Disorders of sphingolipid metabolism and other lipid storage disorders
Excludes: mucolipidosis, types I-III (E77.0-E77.1)
Refsum's disease (G60.1)

E75.0 @ GM2 gangliosidosis
E75.00 Total hexosaminidase deficiency
Sandhoff's disease
E75.01 Hexosaminidase A deficiency
Tay-Sachs disease
E75.02 GM_2 activator deficiency
Tay-Sachs variant AB disease

E75.1 @ Other gangliosidosis
E75.10 GM1 gangliosidosis
ß-galactosidase deficiency
E75.11 Mucolipidosis type IV

E75.2 @ Other sphingolipidosis
Excludes: adrenoleukodystrophy [Addison-Schilder] (E71.3B)
E75.20 Fabry(-Anderson) disease
α-galactosidase A deficiency
E75.21 Glucosylceramide ß-glucosidase deficiency
Gaucher's disease
Glucocerebrosidase deficiency
Glucosylceramidase deficiency: .Type 1
.Type 2
.Type 3

E75.22 Krabbe's disease
Galactosylceramide ß-galactosidase deficiency

E75.23 Niemann-Pick's disease, NOS
E75.24 Niemann-Pick's disease, Type A
Sphingomyelinase, Type A deficiency
E75.25 Niemann-Pick's disease, Type B
Sphingomyelinase, Type B deficiency
E75.26 Other Niemann-Pick's disease
Type C
Type D
E75.27 Farber's disease
Ceramidase deficiency
E75.28 Metachromatic leukodystrophy
Arylsulphatase A deficiency
Sphingolipid activator protein 1 deficiency

E75.29 Aspartoacylase deficiency
Canavan[-van Bogaert-Bertrand] disease
Note: This condition is now considered to be a disorder of amino-acid metabolism.

E75.3 Sphingolipidosis, unspecified

E75.4 Neuronal ceroid-lipofuscinosis
Batten's disease
E75.40 Infantile neuronal ceroid-lipofuscinosis
Infantile Batten's disease
E75.41 Late infantile neuronal ceroid-lipofuscinosis
Bielschowsky-Jansky's disease
E75.42 Juvenile neuronal ceroid-lipofuscinosis
Spielmeyer-Vogt disease
E75.43 Adult type neuronal ceroid-lipofuscinosis
Kufs' disease

E75.5 Other lipid storage disorders
E75.50 Cerebrotendinous xanthomatosis
Cholestanol storage disease
Cerebrotendinous cholesterinosis
van Bogaert-Scherer-Epstein disease
E75.51 Acid esterase deficiency
Wolman's disease

E75.6 Lipid storage disorder, unspecified

E76 Disorders of glycosaminoglycan metabolism

E76.0 Mucopolysaccharidosis, type I
L-iduronidase deficiency
E76.00 Hurler's disease
Mucopolysaccharidosis, type IH (MPS 1H)
E76.01 Scheie's disease
Mucopolysaccharidosis, type IS (MPS 1S)
E76.02 Hurler-Scheie's disease
Mucopolysaccharidosis, type IH/S (MPS 1H/S)

E76.1 Mucopolysaccharidosis, type II
Iduronate 2-sulphatase deficiency
Hunter's disease [syndrome]

E76.2 Other mucopolysaccharidoses
@
E76.20 Mucopolysaccharidosis, type III
Sanfillipo's disease
E76.21 Mucopolysaccharidosis, type IIIA
Heparan-*N*-sulphatase deficiency
E76.22 Mucopolysaccharidosis, type IIIB
α-*N*-acetylglucosaminidase deficiency
E76.23 Mucopolysaccharidosis, type IIIC
Acetyl CoA: α-glucosaminide acetyltransferase deficiency
E76.24 Mucopolysaccharidosis, type IIID
N-acetylglucosamine 6-sulphatase deficiency

E76.25 Mucopolysaccharidosis, type IV
Morquio's disease
E76.26 Mucopolysaccharidosis, type IVA
Galactose-6-sulphatase deficiency
E76.27 Mucopolysaccharidosis, type IVB
ß-galactosidase deficiency

E76.28 Mucopolysaccharidosis, type VI
N-acetylgalactosamine-4-sulphatase deficiency
Maróteaux-Lamy's disease
Arylsulphatase B deficiency

E76.29 Mucopolysaccharidosis, type VII
Sly's disease
ß-glucuronidase deficiency
E76.2A Multiple sulphatase deficiency

E76.3 Mucopolysaccharidosis, unspecified

E76.8 Other disorders of glucosaminoglycan metabolism

E76.9 Disorder of glucosaminoglycan metabolism, unspecified

E77 Disorders of glycoprotein metabolism

E77.0 Defects in post-translational modification of lysosomal enzymes
N-acetyl glucosamine-1-phosphotransferase deficiency
E77.00 Mucolipidosis II
I-cell disease
E77.01 Mucolipidosis III
Pseudo-Hurler polydystrophy

E77.1 Defects in glycoprotein degradation
E77.10 Aspartylglucosaminuria
Aspartylglycosylaminase deficiency
E77.11 Fucosidosis
α-L-fucosidase deficiency: .infantile type
.juvenile type
E77.12 α-D-mannosidosis
α-mannosidase deficiency

E77.13 ß-D-mannosidosis
ß-mannosidase deficiency
E77.14 Sialidosis
Mucolipidosis I
Sialidase deficiency
E77.15 Galactosialidosis
Combined deficiency of neuroaminidase and ß-galactosidase

E77.15 Sialic acid storage disorders
E77.16 Infantile sialic acid storage disease
E77.17 Salla disease
E77.18 Sialuria

E77.8 Other disorders of glycoprotein metabolism
E77.80 Schindler's disease
α-*N*-acetylgalactosaminidase deficiency
E77.81 Carbohydrate deficient glycoprotein syndrome
CDG: .type I
.type II
.type III

E77.9 Disorder of glycoprotein metabolism, unspecified

E78 Disorders of lipoprotein metabolism and other lipidaemias
Excludes: sphingolipidosis (E75.0-E75.3)

E78.0 @ Pure hypercholesterolaemia

E78.00 Familial hypercholesterolaemia
Familial hyperbetalipoproteinaemia
Familial hyperlipoproteinaemia type IIa
Fredrickson's hyperlipoproteinaemia, type IIa
E78.01 Familial hypercholesterolaemia, homozygous
E78.02 Familial hypercholesterolaemia, heterozygous

E78.1 @ Pure hyperglyceridaemia
E78.10 Familial hypertriglyceridaemia
Fredrickson's hyperlipoproteinaemia, type IV

E78.2 Mixed hyperlipidaemia
@ Excludes: cholestanol storage disease,
[cerebrotendinous cholesterosis],
[van Bogaert-Scherer-Epstein] (E75.50)
E78.20 Familial combined hyperlipidaemia
Fredrickson's hyperlipoproteinaemia, type IIb
E78.21 Familial type III hyperlipoproteinaemia
E78.28 Other specified mixed hyperlipidaemia

E78.3 @ Hyperchylomicronaemia
E78.30 Familial lipoprotein lipase deficiency
E78.31 Familial apolipoprotein C-II deficiency
Fredrickson's hyperlipoproteinaemia, type I or V
E78.38 Other specified hyperchylomicronaemia

E78.4 @ Other hyperlipidaemia

E78.5 Hyperlipidaemia, unspecified

E78.6 @ Lipoprotein deficiency
E78.60 Abetalipoproteinaemia
E78.61 Familial hypobetalipoproteinaemia
E78.62 Phosphatidylcholine-sterol acyltransferase deficiency
Lecithin-cholesterol acyltransferase deficiency
Note: This condition is now considered to be a disorder of lipid storage and metabolism
E78.63 Familial hypoalphalipoproteinaemia
Tangier disease
E78.64 Sitosterolaemic xanthomatosis
E78.65 Pancreatic triacylglycerol lipase deficiency
E78.66 Pancreatic colipase deficiency
E78.68 Other specified lipoprotein deficiency

E78.8 Other disorders of lipoprotein metabolism
Lipoid dermatoarthritis (M14.3*)

E78.9 Disorder of lipoprotein metabolism, unspecified

E79 Disorders of purine and pyrimidine metabolism
Excludes: calculus of kidney (N20.0)
combined immunodeficiency disorders (D81.-)
gout (M10.-)
orotaciduric anaemia (D53.0)
xeroderma pigmentosum (Q82.1)

E79.0 Hyperuricaemia without signs of inflammatory arthritis and tophaceous disease
Asymptomatic hyperuricaemia

E79.1 Lesch-Nyhan syndrome
Complete hypoxanthine-guanine phosphoribosyltransferase deficiency

E79.8 Other disorders of purine and pyrimidine metabolism
For adenosine deaminase deficiency see D81.3

E79.80 Disorders of purine metabolism
E79.81 Adenylosuccinate lyase deficiency
E79.82 Muscle AMP deaminase deficiency
E79.83 Partial hypoxanthine-guanine phosphoribosyltransferase deficiency
E79.84 Purine nucleoside phosphorylase deficiency
E79.85 Xanthine oxidase deficiency
Hereditary xanthinuria type 1
E79.86 Combined molybdoflavoprotein enzyme deficiency
Combined xanthine oxidase and sulphite oxidase deficiency
Molybdenum co-factor deficiency
Hereditary xanthinuria type 2
E79.87 Adenine phosphoribosyl transferase deficiency
E79.88 Inosine triphosphate pyrophosphohydrolase deficiency
E79.89 Phosphoribosyl pyrophosphate synthase superactivity
E79.8A Thiopurine methyltransferase deficiency

E79.8B Disorders of pyrimidine metabolism
E79.8C Cytosine diphosphate choline phosphotransferase deficiency
E79.8D Uridine monophosphate hydrolase deficiency
E79.8E Dihydropyrimidine dehydrogenase deficiency

E79.8F Uridine monophosphate synthase deficiency
Hereditary orotic aciduria type 1
E79.8G Orotidine-5-phosphate decarboxylase deficiency
Hereditary orotic aciduria type 2

E79.9 Disorder of purine and pyrimidine metabolism, unspecified

E80 Disorders of porphyrin and bilirubin metabolism
@
E80.0 Hereditary erythropoietic porphyria
E80.00 Uroporphyrinogen III synthase deficiency
Congenital erythropoietic porphyria
E80.01 Ferrochelatase deficiency
Erythropoietic protoporphyria

E80.1 Porphyria cutanea tarda
Uroporphyrinogen decarboxylase deficiency
E80.10 Hepatoerythropoietic porphyria
E80.2 Other porphyria
Porphyria NOS
Use additional external cause code (Chapter XX), if desired, to identify cause.
E80.20 Hereditary coproporphyria
Coproporphyrinogen oxidase deficiency
E80.21 Acute intermittent porphyria
Porphobilinogen deaminase deficiency
E80.22 Porphobilinogen synthase deficiency
δ-aminolaevulinic acid dehydrase deficiency
ALA dehydrase deficiency porphyria

E80.23 Variegate porphyria
Protoporphyrinogen oxidase deficiency

E80.3 Defects of catalase and peroxidase
Acatalasia
Takahara disease

E80.4 Gilbert's syndrome

E80.5 Crigler-Najjar syndrome
Bilirubin UDP glucoronyl transferase deficiency
E80.50 Crigler-Najjar syndrome, Type I
E80.51 Crigler-Najjar syndrome, Type II

E80.6 Other disorders of bilirubin metabolism
E80.60 Dubin-Johnson syndrome
E80.61 Rotor syndrome

E80.7 Disorder of bilirubin metabolism, unspecified

E83 Disorders of mineral metabolism
Excludes: dietary mineral deficiency (E58-E61)
parathyroid disorders (E20-E21)
vitamin D deficiency (E55.-)

E83.0 Disorders of copper metabolism
E83.00 Menkes' (kinky hair)(steely hair) disease
E83.01 Occipital horn syndrome

E83.02 Wilson's disease
E83.08 Other specified disorders of copper metabolism

E83.1 Disorders of iron metabolism
Excludes: anaemia: . iron deficiency (D50.-)
. sideroblastic (D64.0-D64.3)
E83.10 Hereditary haemochromatosis
E83.11 Neonatal haemochromatosis
E83.18 Other specified disorders of iron metabolism

E83.2 Disorders of zinc metabolism
E83.20 Acrodermatitis enteropathica

E83.3 @ Disorders of phosphorus metabolism
E83.30 Acid phosphatase deficiency
E83.31 Familial hypophosphataemia
E83.32 Hypophosphatasia
E83.33 Vitamin-D-resistant rickets
Vitamin-D-resistant osteomalacia
E83.34 X-linked hypophosphataemic bone disease
E83.38 Other specified disorders of phosphorus metabolism

E83.4 Disorders of magnesium metabolism
E83.40 Hypermagnesaemia
E83.41 Hypomagnesaemia

E83.5 Disorders of calcium metabolism
Excludes: chondrocalcinosis (M11.1-M11.2)
hyperparathyroidism (E21.0-E21.3)
E83.50 Familial hypocalciuric hypercalcaemia
E83.51 Idiopathic hypercalciuria
E83.52 Other hypercalciuria
E83.58 Other specified disorders of calcium metabolism

E83.8 Other disorders of mineral metabolism

E83.9 Disorder of mineral metabolism, unspecified

E84 Cystic fibrosis
@
E84.0 Cystic fibrosis with pulmonary manifestations

E84.1 Cystic fibrosis with intestinal manifestations
E84.10+ Meconium ileus (P75*)
E84.11 Meconium ileus equivalent
E84.18 Cystic fibrosis with other intestinal manifestations

E84.8 Cystic fibrosis with other manifestations
E84.80 Cystic fibrosis with diabetes
E84.81 Cystic fibrosis with cardiac disease
E84.82 Cystic fibrosis with liver disease
E84.88 Cystic fibrosis with combined manifestations

E84.9 Cystic fibrosis, unspecified

E85 $$ Amyloidosis
@

E86-E87 Disorders of fluid, electrolyte and acid-base balance
For hypernatraemic dehydration please use codes E87.00 and E86.X-
For hyponatraemic dehydration please use codes E87.10 and E86.X-

E86 # Volume depletion
Excludes: dehydration of newborn (P74.1)
hypovolaemic shock: . NOS (R57.1)
. postoperative (T81.1)
. traumatic (T79.4)

E86.X0 Dehydration
Without evidence of hypovolaemia (E86.X1)

E86.X1 Hypovolaemia
Depletion of volume of plasma or extracellular fluid

E87 Other disorders of fluid, electrolyte and acid-base balance

E87.0 @ Hyperosmolality and hypernatraemia

E87.00 Hypernatraemia

E87.08 Other hyperosmolality

E87.1 Hypo-osmolality and hyponatraemia
@ Excludes: syndrome of inappropriate secretion of antidiuretic hormone (E22.2)

E87.10 Hyponatraemia

E87.18 Other hypo-osmolality

E87.2 Acidosis
Excludes: diabetic acidosis and ketoacidosis (E10-E14 with common fourth character .1)
renal tubular acidosis (N25.8-)

E87.20 Metabolic acidosis

E87.21 Lactic acidosis

E87.22 Respiratory acidosis

E87.23 Metabolic ketoacidosis

E87.29 Acidosis, unspecified

E87.3 Alkalosis

E87.30 Metabolic alkalosis

E87.31 Respiratory alkalosis

E87.32 Alkalosis, unspecified

E87.4 Mixed disorder of acid-base balance

E87.5 @ Hyperkalaemia

E87.6 @ Hypokalaemia

E87.7 Fluid overload
Water intoxication
Excludes: oedema (R60.-)
fluid retention NOS (R60.9)

E87.8 Other disorders of electrolyte and fluid balance, not elsewhere classified
Electrolyte imbalance NOS
Hyperchloraemia
Hypochloraemia

E88 Other metabolic disorders
Excludes: histiocytosis X (chronic) (D76.0)
Use additional external cause code (Chapter XX), if desired, to identify drug, if drug-induced.

E88.0 Disorders of plasma-protein metabolism, not elsewhere classified
Excludes: disorder of lipoprotein metabolism (E78.-)
monoclonal gammopathy (D47.2)
polyclonal hypergammaglobulinaemia (D89.0)
Waldenstrom's macroglobulinaemia (C88.0)
C-1-esterase inhibitor deficiency (D84.1)
E88.00 Alpha-1-antitrypsin deficiency
α-1-antitrypsin deficiency
E88.01 Bisalbuminaemia
E88.08 Other specified disorders of plasma-protein metabolism, not elsewhere classified

E88.1 Lipodystrophy, not elsewhere classified
Lipodystrophy NOS
Excludes: Whipple's disease (K90.8)

E88.2 @ Lipomatosis, not elsewhere classified

E88.8 Other specified metabolic disorders
@ For Refsum's disease see G60.1
E88.80 Trimethylaminuria

E88.81 Inherited disorders of biotin metabolism
Biotinidase deficiency
Holocarboxylase synthase deficiency
Inherited disorders of biotin metabolism NOS

E88.82 Inherited disorders of folate transport and metabolism
E88.83 Functional defects of methionine synthase
Defects of: cobalamin E
cobalamin G
E88.84 Glutamate formiminotransferase deficiency
E88.85 Hereditary folate malabsorption
Folate transport defect
E88.86 Dihydrofolate reductase deficiency

E88.87 Inherited disorders of cobalamin transport and metabolism
Excludes: defects in cellular adenosylcobalamin and methylcobalamin synthesis (E71.13)
congenital intrinsic factor deficiency (D51.0)
transcobalamin II deficiency (D51.2)
E88.88 Enterocyte cobalamin malabsorption
Imerslund-Grasbeck syndrome
E88.89 R-binder deficiency

E88.8A Inherited disorders of peroxisomes

E88.8B General loss of peroxisomal function
Although it is now known to be due to a disorder of peroxisomal function, Zellweger syndrome (Q87.83) is classified elsewhere.

E88.8C Neonatal adrenoleukodystrophy

E88.8D Infantile Refsum's disease
Excludes: Refsum's disease (G60.1)
pseudoinfantile Refsum's disease (E88.8G)

E88.8E Loss of multiple peroxisomal functions
For (rhizomelic) chondrodysplasia punctata see Q77.3

E88.8F Zellweger-like syndrome
Excludes: Zellweger syndrome (Q87.83)

E88.8G Pseudoinfantile Refsum's disease

E88.8H Loss of a single peroxisomal function
For acatalasia see E80.3
For (X-linked) Adrenoleukodystrophy [Addison-Schilder] see E71.3A

E88.8J Peroxisomal thiolase deficiency
Pseudo-Zellweger syndrome

E88.8K Bifunctional peroxisomal enzyme deficiency

E88.8L Acyl CoA oxidase deficiency
Pseudo-neonatal adrenoleucodystrophy

E88.8M Primary hyperoxaluria type I
Oxalosis type I
2-oxoglutarate glycoxylate carboligase deficiency
Alanine-glycoxylate aminotransferase deficiency
For Primary hyperoxaluria type II see E74.82

E88.8N Glutaryl CoA oxidase deficiency

E88.8P Other specified disorders of peroxisomes

E88.8Q Disorders of glycerol metabolism

E88.8R Glycerol kinase deficiency
Glycerol kinase deficiency:
. isolated type
. type combined with congenital adrenal hypoplasia and/or Duchenne muscular dystrophy

E88.8S Glycerol intolerance

E88.9 Metabolic disorder, unspecified

E89 $$ Postprocedural endocrine and metabolic disorders, not elsewhere classified
See ICD-10 for details of specific organs

E90* # Nutritional and metabolic disorders in diseases elsewhere classified

Chapter V, (F00-F99)
Mental and behavioural disorders

Includes: disorders of psychological development
Excludes: symptoms, signs and abnormal clinical laboratory findings, not elsewhere classified (R00-R99)

This chapter contains the following blocks:

F00-F09	Organic, including symptomatic, mental disorders
F10-F19	Mental and behavioural disorders due to psychoactive substance use
F20-F29	Schizophrenia, schizotypal and delusional disorders
F30-F39	Mood [affective] disorders
F40-F48	Neurotic, stress-related and somatoform disorders
F50-F59	Behavioural syndromes associated with physiological disturbances and physical factors
F60-F69	Disorders of adult personality and behaviour
F70-F79	Mental retardation
F80-F89	Disorders of psychological development
F90-F98	Behavioural and emotional disorders with onset usually occurring in childhood and adolescence
F99	Unspecified mental disorder

Asterisk categories for this chapter are provided as follows:

F00*	Dementia in Alzheimer's disease
F02*	Dementia in other diseases classified elsewhere

Further definitions are available in ICD-10, especially for F00-69, the conditions predominantly occurring in adults. Paediatricians should beware of making diagnoses from this section in particular unless they are confident that the case satisfies the definitions found in the full ICD-10. It will usually be the case that expert input from a child psychiatrist will have occurred prior to assigning one of these diagnoses.

F00-F09 $ Organic, including symptomatic, mental disorders
@
This block comprises a range of mental disorders grouped together on the basis of their having in common a demonstrable etiology in cerebral disease, brain injury, or other insult leading to cerebral dysfunction. The dysfunction may be primary, as in diseases, injuries, and insults that affect the brain directly and selectively; or secondary, as in systemic diseases and disorders that attack the brain only as one of the multiple organs or systems of the body that are involved.

Dementia (F00-F03) is a syndrome due to disease of the brain, usually of a chronic or progressive nature, in which there is disturbance of multiple higher cortical functions, including memory, thinking, orientation, comprehension, calculation, learning capacity, language, and judgement. Consciousness is not clouded. The impairments of cognitive function are commonly accompanied, and occasionally preceded, by deterioration in emotional control, social behaviour, or motivation.

Use additional code, if desired, to identify the underlying disease.

F02* $$ Dementia in other diseases classified elsewhere
@ Cases of dementia due, or presumed to be due, to causes other than Alzheimer's disease or cerebrovascular disease. Onset may be at any time in life.
F02.4* @ Dementia in human immunodeficiency virus[HIV] disease(B22.0+)
F02.8* Dementia in other specified diseases classified elsewhere
@ Excludes: dementia in: .Pick's disease (F02.0*)
.Creutzfeldt-Jakob disease (F02.1*)
.Huntington's disease (F02.2*)
.Parkinson's disease (F02.3*)

F05 $$ Delirium, not induced by alcohol and other psychoactive
@ substances

F06 $$ Other mental disorders due to brain damage and dysfunction
@ and to physical disease
Excludes: resulting from use of alcohol and other psychoactive substances (F10-F19)
F06.0 @ Organic hallucinosis
F06.1 @ Organic catatonic disorder
Excludes: catatonic schizophrenia (F20.2)
F06.2 @ Organic delusional [schizophrenia-like] disorder
F06.3 @ Organic mood [affective] disorders
F06.4 @ Organic anxiety disorder
F06.5 @ Organic dissociative disorder
F06.7 @ Mild cognitive disorder
F06.80 Epileptic psychosis NOS
F06.9 Unspecified mental disorder due to brain damage and
@ dysfunction and to physical disease
Organic brain syndrome NOS

F07 Personality and behavioural disorders due to brain disease,
@ damage and dysfunction
F07.0 Organic personality disorder
@ Frontal lobe syndrome
F07.1 @ Postencephalitic syndrome
F07.2 @ Postconcussional syndrome
F07.8 @ Other organic personality and behavioural disorders due to brain disease, damage and dysfunction
F07.9 Unspecified organic personality and behavioural disorder due
@ to brain disease, damage and dysfunction

F09 # Unspecified organic or symptomatic mental disorder
@ Excludes: psychosis NOS (F29)

F10-F19 Mental and behavioural disorders due to psychoactive
@ substance use

In this block the third character of the code identifies the substance involved, and the fourth-character specifies the clinical state. The codes should be used, as required, for each substance specified, but it should be noted that not all fourth-character codes are applicable to all substances.

Excludes: abuse of non-dependence-producing substances (F55)

The following fourth-character subdivisions are for use with categories F10-F19:

.0 Acute intoxication
Acute drunkenness (in alcoholism)
"Bad trips" (drugs)
Drunkenness NOS
"Hangover" effects
Pathological intoxication
Trance and possession disorders in psychoactive substance intoxication

.1 Harmful use
Psychoactive substance abuse

.2 Dependence syndrome
Chronic alcoholism
Drug addiction

.3 Withdrawal state

.4 Withdrawal state with delirium
Delirium tremens (alcohol-induced)

.5 Psychotic disorder

.6 Amnesic syndrome

.7 Residual and late-onset psychotic disorder

.8 Other mental and behavioural disorders

.9 Unspecified mental and behavioural disorder

F10.- Mental and behavioural disorders due to use of alcohol
[See page ?? for subdivisions]

F11.- Mental and behavioural disorders due to use of opioids
[See page ?? for subdivisions]

F12.- Mental and behavioural disorders due to use of cannabinoids
[See page ?? for subdivisions]
Mental and behavioural disorders due to use of cannabis

F13.- Mental and behavioural disorder due to use of sedatives or hypnotics
[See page ?? for subdivisions]

F14.- Mental and behavioural disorders due to use of cocaine
[See page ?? for subdivisions]

F15.- Mental and behavioural disorders due to use of other stimulants, including caffeine
[See page ?? for subdivisions]

F16.- Mental and behavioural disorders due to use of hallucinogens
[See page ?? for subdivisions]

F17.- Mental and behavioural disorders due to use of tobacco
[See page ?? for subdivisions]

F18.- Mental and behavioural disorders due to use of volatile solvents
[See page ?? for subdivisions]

F19.- Mental and behavioural disorders due to multiple drug use and
@ use of other psychoactive substances
[See page ?? for subdivisions]
Includes: misuse of drugs NOS

F20-F29 Schizophrenia, schizotypal and delusional disorders
@

F20 @ Schizophrenia
F20.0 @ Paranoid schizophrenia
F20.1 @ Hebephrenic schizophrenia
F20.2 @ Catatonic schizophrenia
F20.3 @ Undifferentiated schizophrenia
F20.4 @ Post-schizophrenic depression
F20.5 @ Residual schizophrenia
F20.6 @ Simple schizophrenia
F20.8 @ Other schizophrenia
F20.9 Schizophrenia,unspecified

F21 # Schizotypal disorder
@

F22 @ Persistent delusional disorders
F22.0 @ Delusional disorder
F22.8 @ Other persistent delusional disorders
F22.9 Persistent delusional disorder, unspecified

F23 Acute and transient psychotic disorders
@
F23.0 Acute polymorphic psychotic disorder without symptoms of
@ schizophrenia
F23.1 Acute polymorphic psychotic disorder with symptoms of
@ schizophrenia
F23.2 @ Acute schizophrenia-like psychotic disorder
F23.3 @ Other acute predominantly delusional psychotic disorders
F23.8 @ Other acute and transient psychotic disorders
F23.9 @ Acute and transient psychotic disorder, unspecified

F24 # Induced delusional disorder
@

F25 $$ Schizoaffective disorders
@
F25.0 @ Schizoaffective disorder, manic type
F25.1 @ Schizoaffective disorder, depressive type
F25.2 @ Schizoaffective disorder, mixed type
F25.9 @ Schizoaffective disorder, unspecified

F28 # Other nonorganic psychotic disorders
@

F29 # Unspecified nonorganic psychosis
@ Psychosis NOS

F30-F39 Mood [affective] disorders
@

F30 @ Manic episode
F30.0 @ Hypomania
F30.1 @ Mania without psychotic symptoms
F30.2 @ Mania with psychotic symptoms
F30.8 Other manic episodes
F30.9 Manic episode, unspecified
Mania NOS

F31 @ Bipolar affective disorder
F31.0 @ Bipolar affective disorder, current episode hypomanic
F31.1 Bipolar affective disorder, current episode manic without
@ psychotic symptoms
F31.2 Bipolar affective disorder, current episode manic with
@ psychotic symptoms
F31.3 Bipolar affective disorder, current episode mild or moderate
@ depression
F31.4 Bipolar affective disorder, current episode severe depression
@ without psychotic symptoms
F31.5 Bipolar affective disorder, current episode severe depression
@ with psychotic symptoms
F31.6 @ Bipolar affective disorder, current episode mixed
F31.7 @ Bipolar affective disorder, currently in remission
F31.8 @ Other bipolar affective disorders
F31.9 Bipolar affective disorder, unspecified

F32 @ Depressive episode
F32.0 @ Mild depressive episode
F32.1 @ Moderate depressive episode
F32.2 @ Severe depressive episode without psychotic symptoms
F32.3 @ Severe depressive episode with psychotic symptoms
F32.8 @ Other depressive episodes
F32.9 @ Depressive episode, unspecified
Depression NOS

F33 @ Recurrent depressive disorder
F33.0 @ Recurrent depressive disorder, current episode mild
F33.1 @ Recurrent depressive disorder, current episode moderate
F33.2 Recurrent depressive disorder, current episode severe without
@ psychotic symptoms
F33.3 Recurrent depressive disorder, current episode severe with
@ psychotic symptoms
F33.4 @ Recurrent depressive disorder, currently in remission
F33.8 Other recurrent depressive disorders
F33.9 @ Recurrent depressive disorder, unspecified

F34 @ Persistent mood [affective] disorders
F34.0 @ Cyclothymia
F34.1 @ Dysthymia
F34.8 Other persistent mood [affective] disorders
F34.9 Persistent mood [affective] disorder, unspecified

F38 @ Other mood [affective] disorders
F38.0 @ Other single mood [affective] disorders
F38.1 @ Other recurrent mood [affective] disorders
F38.8 Other specified mood [affective] disorders

F39 # Unspecified mood [affective] disorder
@

F40-F48 Neurotic, stress-related and somatoform disorders
Excludes: when associated with conduct disorder in F91.- (F92.8)

F40 @ Phobic anxiety disorders
F40.0 @ Agoraphobia
F40.1 @ Social phobias
F40.2 @ Specific (isolated) phobias
F40.8 Other phobic anxiety disorders
F40.9 @ Phobic anxiety disorder, unspecified

F41 @ Other anxiety disorders
F41.0 @ Panic disorder [episodic paroxysmal anxiety]
F41.1 @ Generalised anxiety disorder
F41.2 @ Mixed anxiety and depressive disorder
F41.3 @ Other mixed anxiety disorders
F41.8 @ Other specified anxiety disorders
F41.9 @ Anxiety disorder, unspecified

F42 @ Obsessive-compulsive disorder
F42.0 @ Predominantly obsessional thoughts or ruminations
F42.1 @ Predominantly compulsive acts [obsessional rituals]
F42.2 Mixed obsessional thoughts and acts
F42.8 Other obsessive-compulsive disorders
F42.9 Obsessive-compulsive disorder, unspecified

F43 @ Reaction to severe stress, and adjustment disorders
F43.0 @ Acute stress reaction
F43.1 @ Post-traumatic stress disorder
F43.2 @ Adjustment disorders
Hospitalisation in children
Excludes: separation anxiety disorder of childhood (F93.0)
disinhibited attachment disorder of childhood (F94.2)
F43.8 Other reactions to severe stress
F43.9 Reaction to severe stress, unspecified

F44 Dissociative [conversion] disorders
@ Excludes: malingering [conscious simulation] (Z76.5)
F44.0 @ Dissociative amnesia
F44.1 @ Dissociative fugue
F44.2 @ Dissociative stupor
F44.3 @ Trance and possession disorders
F44.4 Dissociative motor disorders
@ Loss of ability to move the whole or part of a limb or limbs
Psychogenic aphonia
F44.5 @ Dissociative convulsions
F44.6 @ Dissociative anaesthesia and sensory loss

F44.7 @ Mixed dissociative [conversion] disorders
F44.8 @ Other dissociative [conversion] disorders
F44.9 Dissociative [conversion] disorder, unspecified

F45 @ Somatoform disorders
F45.0 Somatization disorder
@ Excludes: malingering [conscious simulation] (Z76.5)
F45.1 @ Undifferentiated somatoform disorder
F45.2 @ Hypochondriacal disorder
F45.3 Somatoform autonomic dysfunction
@ Psychogenic forms of: . aerophagy
. cough
F45.4 Persistent somatoform pain disorder
@ Psychogenic: . backache
. headache
Excludes: backache NOS (M54.9)
tension headache (G44.2)
F45.8 Other somatoform disorders
@ Teeth-grinding [bruxism]
F45.9 @ Somatoform disorder, unspecified

F48 Other neurotic disorders
F48.0 Neurasthenia
@ Excludes: postviral fatigue syndrome (G93.3)
F48.1 @ Depersonalisation-derealisation syndrome
F48.8 @ Other specified neurotic disorders
F48.9 @ Neurotic disorder, unspecified

F50-F59 $ Behavioural syndromes associated with physiological disturbances and physical factors

F50 Eating disorders
Excludes: anorexia NOS (R63.0)
feeding:
. difficulties and mismanagement (R63.3)
. disorder of infancy or childhood (F98.2)
polyphagia (R63.2)
F50.0 @ Anorexia nervosa
F50.1 @ Atypical anorexia nervosa
F50.2 @ Bulimia nervosa
F50.3 @ Atypical bulimia nervosa
F50.4 @ Overeating associated with other psychological disturbances
F50.5 Vomiting associated with other psychological disturbances
@ Psychogenic vomiting
F50.8 Other eating disorders
@ Excludes: pica of infancy and childhood (F98.3)
F50.9 Eating disorder, unspecified

F51 @ Nonorganic sleep disorders
F51.0 @ Nonorganic insomnia
F51.1 Nonorganic hypersomnia
@ Excludes: narcolepsy (G47.4)
F51.2 @ Nonorganic disorder of the sleep-wake schedule
F51.3 @ Sleepwalking [somnambulism]
F51.4 @ Sleep terrors [night terrors]
F51.5 @ Nightmares
F51.8 Other nonorganic sleep disorders

F51.9 @ Nonorganic sleep disorder, unspecified

F52 $$ Sexual dysfunction, not caused by organic disorder or disease
@

F54 # Psychological and behavioural factors associated with
@ disorders or disease classified elsewhere
Psychological factors affecting physical conditions
Examples of the use of this category are:
. asthma F54 and J45.-
. ulcerative colitis F54 and K51.-

F55 # Abuse of non-dependence-producing substances
@ Abuse of steroids or hormones

F59 # Unspecified behavioural syndromes associated with
@ physiological disturbances and physical factors

F60-F69 $ Disorders of adult personality and behaviour
@
F60 Specific personality disorders
@ Usually manifest since childhood or adolescence and
continuing throughout adulthood.

F60.0 @ Paranoid personality disorder
F60.1 Schizoid personality disorder
@ Excludes: Asperger's syndrome (F84.5)
schizoid disorder of childhood (F84.5)
F60.2 Dissocial personality disorder
@ Excludes: conduct disorders (F91.-)
F60.3 @ Emotionally unstable personality disorder
F60.4 @ Histrionic personality disorder
F60.5 @ Anankastic personality disorder
F60.6 @ Anxious [avoidant] personality disorder
F60.7 @ Dependent personality disorder
F60.8 @ Other specific personality disorders
F60.9 @ Personality disorder, unspecified

F61 # Mixed and other personality disorders
@

F62 Enduring personality changes, not attributable to brain
@ damage and disease
F62.0 @ Enduring personality change after catastrophic experience
F62.1 @ Enduring personality change after psychiatric illness
F62.8 @ Other enduring personality changes
F62.9 Enduring personality change, unspecified

F63 @ Habit and impulse disorders
F63.0 @ Pathological gambling
F63.1 @ Pathological fire-setting [pyromania]
F63.2 @ Pathological stealing [kleptomania]
F63.3 @ Trichotillomania
F63.8 @ Other habit and impulse disorders
F63.9 Habit and impulse disorder, unspecified

F64 $$ Gender identity disorders
F64.1 Dual-role transvestism
@ Gender identity disorder of adolescence or adulthood, nontranssexual type
F64.2 @ Gender identity disorder of childhood

F65 $$ Disorders of sexual preference
F65.80 Making obscene telephone calls

F66 $$ Psychological and behavioural disorders associated with
@ sexual development and orientation
F66.0 @ Sexual maturation disorder
F66.1 @ Egodystonic sexual orientation
F66.9 Psychosexual development disorder, unspecified

F68 $$ Other disorders of adult personality and behaviour
F68.0 Elaboration of physical symptoms for psychological reasons
@ Compensation neurosis
F68.1 Intentional production or feigning of symptoms or
@ disabilities, either physical or psychological [factitious disorder]
Munchausen's syndrome
Münchhausen's syndrome
Excludes: person feigning illness (with obvious motivation) (Z76.5)
F68.10 Munchausen syndrome by proxy
Factitious illness by proxy syndrome
Meadow's syndrome
Fabrication of signs and symptoms of illness in child by parent or other carer
Excludes: fetal hydantoin syndrome (also known as Meadow's syndrome) (Q86.1)

F70-F79 Mental retardation
@
A condition of arrested or incomplete development of the mind, which is especially characterised by impairment of skills manifested during the developmental period, skills which contribute to the overall level of intelligence, i.e. cognitive, language, motor, and social abilities. Retardation can occur with or without any other mental or physical condition.

The following fourth-character subdivisions are for use with categories F70-F79 to identify the extent of impairment of behaviour:

.0 With the statement of no, or minimal, impairment of behaviour

.1 Significant impairment of behaviour requiring attention or treatment

.8 Other impairments of behaviour

.9 Without mention of impairment of behaviour

Use additional code, if desired, to identify associated conditions such as autism, other developmental disorders, epilepsy, conduct disorders, or severe physical handicap.

F70 Mild mental retardation
@ IQ range of 50 to 69 (in adults, mental age from 9 to under 12 years)

F71 Moderate mental retardation
@ IQ range of 35 to 49 (in adults, mental age from 6 to under 9 years)

F72 Severe mental retardation
@ IQ range of 20 to 34 (in adults, mental age from 3 to under 6 years)

F73 Profound mental retardation
@ IQ under 20 (in adults, mental age below 3 years)

F78 Other mental retardation

F79 @ Unspecified mental retardation

F80-F89 Disorders of psychological development
@ The disorders included in this block have in common: (a) onset invariably during infancy or childhood; (b) impairment or delay in development of functions that are strongly related to biological maturation of the central nervous system; (c) a steady course without remissions and relapses; (d) in most cases, the functions affected include language, visuo-spatial skills, and motor coordination.

F80 Specific developmental disorders of speech and language
@ Disorders in which normal patterns of language acquisition are disturbed from the early stages of development. The conditions are not directly attributable to neurological or speech mechanism abnormalities, sensory impairments, mental retardation, or environmental factors.

F80.0 Specific speech articulation disorder
@ A specific developmental disorder in which the child's use of speech sounds is below the appropriate level for its mental age, but in which there is a normal level of language skills.
Dyslalia

F80.1 Expressive language disorder
@ A specific developmental disorder in which the child's ability to use expressive spoken language is markedly below the appropriate level for its mental age, but in which language comprehension is within normal limits. There may or may not be abnormalities in articulation.
Developmental dysphasia or aphasia, expressive type

F80.2 Receptive language disorder
@ A specific developmental disorder in which the child's understanding of language is below the appropriate level for its mental age. In virtually all cases expressive language will also be markedly affected and abnormalities in word-sound production are common.
Congenital auditory imperception
Semantic-pragmatic disorder
Excludes: autism (F84.0-F84.1)

F80.3 Acquired aphasia with epilepsy [Landau-Kleffner]
@ A disorder in which the child, having previously made normal progress in language development, loses both receptive and expressive language skills but retains general intelligence; the onset of the disorder is accompanied by paroxysmal abnormalities on the EEG, and in the majority of cases also by epileptic seizures.

F80.8 Other developmental disorders of speech and language
Lisping

F80.9 Developmental disorder of speech and language, unspecified
Language disorder NOS

F81 Specific developmental disorders of scholastic skills
Disorders in which the normal patterns of skill acquisition are disturbed from the early stages of development. This is not simply a consequence of a lack of opportunity to learn, it is not solely a result of mental retardation, and it is not due to any form of acquired brain trauma or disease.

F81.0 Specific reading disorder
@ The main feature is a specific and significant impairment in the development of reading skills that is not solely accounted for by mental age, visual acuity problems, or inadequate schooling. Reading comprehension skill, reading word recognition, oral reading skill, and performance of tasks requiring reading may all be affected.
Excludes: dyslexia NOS (R48.0)

F81.1 Specific spelling disorder
@ The main feature is a specific and significant impairment in the development of spelling skills in the absence of a history of specific reading disorder, which is not solely accounted for by low mental age, visual acuity problems, or inadequate schooling. The ability to spell orally and to write out words correctly are both affected.
Excludes: spelling difficulties due to inadequate teaching (Z55.8)

F81.2 Specific disorder of arithmetical skills
@ Developmental dyscalculia
Involves a specific impairment in arithmetical skills that is not solely explicable on the basis of general mental retardation or of inadequate schooling. The deficit concerns mastery of basic computational skills of addition, subtraction, multiplication, and division rather than of the more abstract mathematical skills involved in algebra, trigonometry, geometry, or calculus.
Excludes: arithmetical difficulties due to inadequate teaching (Z55.8)
dyscalculia NOS ((R48.8)

F81.3 @ Mixed disorder of scholastic skills

F81.8 @ Other developmental disorders of scholastic skills

F81.9 @ Developmental disorder of scholastic skills, unspecified
Learning: . disability NOS
. disorder NOS
. difficulties NOS

F82 # Specific developmental disorder of motor function
@ A disorder in which the main feature is a serious impairment in the development of motor coordination that is not solely explicable in terms of general intellectual retardation or of any specific congenital or acquired neurological disorder. Nevertheless, in most cases a careful clinical examination shows marked neurodevelopmental immaturities such as choreiform movements of unsupported limbs or mirror movements and other associated motor features, as well as signs of impaired fine and gross motor coordination.
Clumsy child syndrome
Excludes: abnormalities of gait and mobility (R26.-)

F83 # Mixed specific developmental disorders
@

F84 Pervasive developmental disorders
A group of disorders characterised by qualitative abnormalities in reciprocal social interactions and in patterns of communication, and by a restricted, stereotyped, repetitive repertoire of interests and activities. These qualitative abnormalities are a pervasive feature of the individual's functioning in all situations.
Use additional code, if desired, to identify any associated medical condition and mental retardation.

F84.0 Childhood autism
@ A type of pervasive developmental disorder that is defined by: (a) the presence of abnormal or impaired development that is manifest before the age of three years, and (b) the characteristic type of abnormal functioning in all the three areas of psychopathology: reciprocal social interaction, communication, and restricted, stereotyped, repetitive behaviour.

F84.1 Atypical autism
@ A type of pervasive developmental disorder that differs from childhood autism either in age of onset or in failing to fulfil all three sets of diagnostic criteria.
Mental retardation with autistic features
Use additional code (F70-F79), if desired, to identify mental retardation.

F84.2 Rett's syndrome
@ A condition, so far found only in girls, in which apparently normal early development is followed by partial or complete loss of speech and of skills in locomotion and use of hands, together with deceleration in head growth, usually with an onset between seven and 24 months of age.

F84.3 Other childhood disintegrative disorder
@ A type of pervasive developmental disorder that is defined by a period of entirely normal development before the onset of the disorder, followed by a definite loss of previously acquired skills in several areas of development over the course of a few months.
Disintegrative psychosis
Use additional code, if desired, to identify any associated neurological condition.

F84.4 Overactive disorder associated with mental retardation and
@ stereotyped movements
An ill-defined disorder of uncertain nosological validity. The category is designed to include a group of children with severe mental retardation (IQ below 34) who show major problems in hyperactivity and in attention, as well as stereotyped behaviours.
Excludes: hyperkinetic disorders (F90.-)

F84.5 Asperger's syndrome
@ A disorder of uncertain nosological validity, characterised by the same type of qualitative abnormalities of reciprocal social interaction that typify autism, together with a restricted, stereotyped, repetitive repertoire of interests and activities. It differs from autism primarily in the fact that there is no general delay or retardation in language or in cognitive development.
Schizoid disorder of childhood

F84.8 Other pervasive developmental disorders

F84.9 Pervasive developmental disorder, unspecified

F88 # Other disorders of psychological development
Developmental agnosia

F89 # Unspecified disorder of psychological development
@

F90-F98 Behavioural and emotional disorders with onset usually occurring in childhood and adolescence

F90 Hyperkinetic disorders
@ A group of disorders characterised by an early onset (usually in the first five years of life), lack of persistence in activities that require cognitive involvement, and a tendency to move from one activity to another without completing any one, together with disorganised, ill-regulated, and excessive activity. Hyperkinetic children are often reckless and impulsive, prone to accidents, and find themselves in disciplinary trouble because of unthinking breaches of rules rather than deliberate defiance. Their relationships with adults are often socially disinhibited, with a lack of normal caution and reserve. They are unpopular with other children and may become isolated. Impairment of cognitive functions is common, and specific delays in motor and language development are disproportionately frequent.
Excludes: overactive disorder associated with mental retardation and stereotyped movements (F84.4)

F90.0 Disturbance of activity and attention
@ Hyperkinetic disorder without associated conduct disorder
Attention deficit hyperactivity disorder
Excludes: attention deficit disorder without hyperactivity (F98.8)

F90.1 Hyperkinetic conduct disorder
Hyperkinetic disorder associated with conduct disorder

F90.8 Other hyperkinetic disorders

F90.9 @ Hyperkinetic disorder, unspecified

F91 Conduct disorders

@ Disorders characterised by a repetitive and persistent pattern of dissocial, aggressive, or defiant conduct. Such behaviour should amount to major violations of age-appropriate social expectations and should imply an enduring pattern of behaviour (at least six months). Features of conduct disorder can also be symptomatic of other psychiatric conditions, in which case the underlying diagnosis should be preferred. Examples of the behaviours on which the diagnosis is based include excessive levels of fighting or bullying, cruelty to other people or animals, severe destructiveness to property, fire-setting, stealing, repeated lying, truancy from school and running away from home, unusually frequent and severe temper tantrums, and disobedience. Any one of these behaviours, if marked, is sufficient for the diagnosis, but isolated dissocial acts are not.

F91.0 Conduct disorder confined to the family context

Conduct disorder involving dissocial or aggressive behaviour (and not merely oppositional, defiant, disruptive behaviour), in which the abnormal behaviour is entirely, or almost entirely, confined to the home and to interactions with members of the nuclear family or immediate household. The disorder requires that the overall criteria for F91.- be met; even severely disturbed parent-child relationships are not of themselves sufficient for diagnosis.

F91.1 Unsocialized conduct disorder

@ Disorder characterised by the combination of persistent dissocial or aggressive behaviour (meeting the overall criteria for F91.- and not merely comprising oppositional, defiant, disruptive behaviour) with significant pervasive abnormalities in relationships with other children.

F91.2 Socialised conduct disorder

@ Disorder involving persistent dissocial or aggressive behaviour (meeting the overall criteria for F91.- and not merely comprising oppositional, defiant, disruptive behaviour) occurring in individuals who are generally well integrated into their peer group.

Group delinquency

F91.20 Truancy from school (socialised)

The disorder requires that the overall criteria for F91.- be met; occasional absence from school is not sufficient for diagnosis.

F91.3 Oppositional defiant disorder

Conduct disorder, usually occurring in younger children, primarily characterised by markedly defiant, disobedient, disruptive behaviour that does not include delinquent acts or the more extreme forms of aggressive or dissocial behaviour. The disorder requires that the overall criteria for F91.- be met; even severely mischievous or naughty behaviour is not in itself sufficient for diagnosis. Caution should be employed before using this category, especially with older children, because clinically significant conduct disorder will usually be accompanied by dissocial or aggressive behaviour that goes beyond mere defiance, disobedience, or disruptiveness.

F91.8 Other conduct disorders
F91.9 @ Conduct disorder, unspecified

F92 Mixed disorders of conduct and emotions
A group of disorders characterised by the combination of persistently aggressive, dissocial or defiant behaviour with overt and marked symptoms of depression, anxiety or other emotional upsets. The criteria for both conduct disorders of childhood (F91.-) and emotional disorders of childhood (F93.-) or an adult-type neurotic diagnosis (F40-F48) or a mood disorder (F30-F39) must be met.
F92.0 @ Depressive conduct disorder
F92.8 @ Other mixed disorders of conduct and emotions
F92.9 Mixed disturbance of conduct and emotion, unspecified

F93 Emotional disorders with onset specific to childhood
@ Mainly exaggerations of normal developmental trends rather than phenomena that are qualitatively abnormal in themselves. Developmental appropriateness is used as the key diagnostic feature in defining the difference between these emotional disorders, with onset specific to childhood, and the neurotic disorders (F40-F48).
F93.0 Separation anxiety disorder of childhood
@ Should be diagnosed when fear of separation constitutes the focus of the anxiety and when such anxiety first arose during the early years of childhood. It is differentiated from normal separation anxiety when it is of a degree (severity) that is statistically unusual (including an abnormal persistence beyond the usual age period); and when it is associated with significant problems in social functioning.
F93.1 Phobic anxiety disorder of childhood
@ Fears in childhood that show a marked developmental phase specificity and arise (to some extent) in a majority of children, but that are abnormal in degree.
F93.2 Social anxiety disorder of childhood
@ In this disorder there is a wariness of strangers and social apprehension or anxiety when encountering new, strange, or socially threatening situations. This category should be used only where such fears arise during the early years, and are both unusual in degree and accompanied by problems in social functioning.
F93.3 Sibling rivalry disorder
@ Some degree of emotional disturbance usually following the birth of an immediately younger sibling is shown by a majority of young children. A sibling rivalry disorder should be diagnosed only if the degree or persistence of the disturbance is both statistically unusual and associated with abnormalities of social interaction.
F93.8 Other childhood emotional disorders
@ Identity disorder
Excludes: gender identity disorder of childhood (F64.2)
F93.9 Childhood emotional disorder, unspecified

F94 Disorders of social functioning with onset specific to childhood and adolescence

A somewhat heterogeneous group of disorders that have in common abnormalities in social functioning which begin during the developmental period, but which (unlike the pervasive developmental disorders) are not primarily characterised by an apparently constitutional social incapacity or deficit that pervades all areas of functioning. In many instances, serious environmental distortions or privations probably play a crucial role in aetiology.

F94.0 Elective mutism

@ Characterised by a marked, emotionally determined selectivity in speaking, such that the child demonstrates a language competence in some situations but fails to speak in other (definable) situations.

F94.1 Reactive attachment disorder of childhood

@ Starts in the first five years of life and is characterised by persistent abnormalities in the child's pattern of social relationships that are associated with emotional disturbance and are reactive to changes in environmental circumstances (e.g. fearfulness and hypervigilance, poor social interaction with peers, aggression towards self and others, misery, and growth failure in some cases). The syndrome probably occurs as a direct result of severe parental neglect, abuse, or serious mishandling.

F94.2 Disinhibited attachment disorder of childhood

@ A particular pattern of abnormal social functioning that arises during the first five years of life and that tends to persist despite marked changes in environmental circumstances, e.g. diffuse, nonselectively focused attachment behaviour, attention-seeking and indiscriminately friendly behaviour, poorly modulated peer interactions.

Institutional syndrome

Excludes: hospitalism in children (F43.2)

F94.8 Other childhood disorders of social functioning

F94.9 Childhood disorder of social functioning, unspecified

F95 Tic disorders

@ Syndromes in which the predominant manifestation is some form of tic. A tic is an involuntary, rapid, recurrent, nonrhythmic motor movement (usually involving circumscribed muscle groups) or vocal production that is of sudden onset and that serves no apparent purpose.

F95.0 Transient tic disorder

Meets the general criteria for a tic disorder but the tics do not persist longer than 12 months. The tics usually take the form of eye-blinking, facial-grimacing, or head-jerking.

F95.1 Chronic motor or vocal tic disorder

Meets the general criteria for a tic disorder, in which there are motor or vocal tics (but not both), that may be either single or multiple (but usually multiple), and last for more than a year.

F95.10 Chronic motor tic disorder

F95.11 Chronic vocal tic disorder
F95.2 Combined vocal and multiple motor tic disorder [de la
@ Tourette]
Gilles de la Tourette syndrome
A form of tic disorder in which there are, or have been, multiple motor tics and one or more vocal tics, although these need not have occurred concurrently.
F95.8 Other tic disorders
F95.9 @ Tic disorder, unspecified

F98 Other behavioural and emotional disorders with onset usually
@ occurring in childhood and adolescence
Excludes: breath-holding spells (R06.8)
F98.0 @ Nonorganic enuresis
F98.00 Primary enuresis, unspecified
F98.01 Primary nocturnal enuresis
F98.02 Primary diurnal (and nocturnal) enuresis
F98.03 Secondary enuresis, unspecified
F98.04 Secondary nocturnal enuresis
F98.05 Secondary diurnal (and nocturnal) enuresis
F98.1 Nonorganic encopresis
@ Soiling
Use additional code, if desired, to identify the cause of any coexisting constipation.
Excludes: encopresis NOS (R15)
F98.2 Feeding disorder of infancy and childhood
@ A feeding disorder of varying manifestations usually specific to infancy and early childhood. It generally involves food refusal and extreme faddiness in the presence of an adequate food supply, a reasonably competent caregiver, and the absence of organic disease.
Excludes: feeding: . difficulties and mismanagement (R63.3)
. problems of newborn (P92.-)
F98.3 Pica of infancy and childhood
@ Persistent eating of non-nutritive substances (such as soil, paint chippings, etc.)
F98.4 Stereotyped movement disorders
@ Voluntary, repetitive, stereotyped, nonfunctional (and often rhythmic) movements that do not form part of any recognised psychiatric or neurological condition. These behaviours include:
body-rocking, head-rocking, hair-plucking, hair-twisting, finger-flicking mannerisms, hand-flapping, repetitive head-banging, face-slapping, eye-poking, biting of hands, lips or other body parts.
Excludes: trichotillomania (F63.3)
F98.5 Stuttering [stammering]
@ Speech that is characterised by frequent repetition or prolongation of sounds or syllables or words, or by frequent hesitations or pauses that disrupt the rhythmic flow of speech.
F98.6 Cluttering
@ A rapid rate of speech with breakdown in fluency, but no repetitions or hesitations, of a severity to give rise to diminished speech intelligibility. Speech is erratic and dysrhythmic, with rapid jerky spurts that usually involve faulty phrasing patterns.

F98.8 Other specified behavioural and emotional disorders with onset usually occurring in childhood and adolescence
Attention deficit disorder without hyperactivity
Excessive masturbation
Nail-biting
Nose-picking
Thumb-sucking

F98.9 Unspecified behavioural and emotional disorders with onset usually occurring in childhood and adolescence

F99 Unspecified mental disorder

F99 # Mental disorder, not otherwise specified
Mental illness NOS
Excludes: organic mental disorder NOS (F06.9)

Chapter VI, (G00-G99)
Diseases of the nervous system

Excludes: certain conditions originating in the perinatal period (P00-P96)
certain infectious and parasitic diseases (A00-B99)
congenital malformations, deformations and chromosomal abnormalities (Q00-Q99)
endocrine, nutritional and metabolic diseases (E00-E90)
injury, poisoning and certain other consequences of external causes (S00-T98)
neoplasms (C00-D48)
symptoms, signs and abnormal clinical and laboratory findings, not elsewhere classified (R00-R99)

This chapter contains the following blocks:

G00-G09	Inflammatory diseases of the central nervous system
G10-G13	Systemic atrophies primarily affecting the central nervous system
G20-G26	Extrapyramidal and movement disorders
G30-G32	Other degenerative diseases of the nervous system
G35-G37	Demyelinating diseases of the central nervous system
G40-G47	Episodic and paroxysmal disorders
G50-G59	Nerve, nerve root and plexus disorders
G60-G64	Polyneuropathies and other disorders of the peripheral nervous system
G70-G73	Diseases of myoneural junction and muscle
G80-G83	Cerebral palsy and other paralytic syndromes
G90-G99	Other disorders of the nervous system

Asterisk categories for this chapter are provided as follows:

G01*	Meningitis in bacterial diseases classified elsewhere
G02*	Meningitis in other infectious and parasitic diseases classified elsewhere
G05*	Encephalitis, myelitis and encephalomyelitis in diseases classified elsewhere
G07*	Intracranial and intraspinal abscess and granuloma in diseases classified elsewhere
G13*	Systemic atrophies primarily affecting central nervous system in diseases classified elsewhere
G22*	Parkinsonism in diseases classified elsewhere
G26*	Extrapyramidal and movement disorders in diseases classified elsewhere
G32*	Other degenerative disorders of nervous system in diseases classified elsewhere
G46*	Vascular syndromes of brain in cerebrovascular diseases
G53*	Cranial nerve disorders in diseases classified elsewhere
G55*	Nerve root and plexus compressions in diseases classified elsewhere
G59*	Mononeuropathy in diseases classified elsewhere
G63*	Polyneuropathy in diseases classified elsewhere
G73*	Disorders of myoneural junction and muscle in diseases classified elsewhere
G94*	Other disorders of brain in diseases classified elsewhere
G99*	Other disorders of nervous system in diseases classified elsewhere

G00-G09 Inflammatory diseases of the central nervous system

G00 Bacterial meningitis, not elsewhere classified
@ Excludes: bacterial: . meningoencephalitis (G04.2)
. meningomyelitis (G04.2)
G00.0 @ Haemophilus meningitis
G00.1 Pneumococcal meningitis
G00.2 Streptococcal meningitis
G00.3 Staphylococcal meningitis
G00.30 Staphylococcus aureus meningitis
G00.31 Staphylococcus epidermidis meningitis
G00.8 @ Other bacterial meningitis
G00.80 Escherichia coli meningitis
G00.81 Klebsiella meningitis
G00.82 Proteus meningitis
G00.83 Pseudomonas meningitis
G00.9 @ Bacterial meningitis, unspecified

G01* @ Meningitis in bacterial diseases classified elsewhere
@ Meningitis (in): .leptospirosis (A27.-+)
.listerial (A32.1-)
.meningococcal (A39.0+)
.neurosyphilis (A52.1+)
.tuberculous (A17.0+)
Excludes: meningoencephalitis and meningomyelitis in bacterial diseases classified elsewhere (G05.0*)

G02* Meningitis in other infectious and parasitic diseases classified elsewhere
Excludes: meningoencephalitis and meningomyelitis in other infectious and parasitic diseases classified elsewhere (G05.1-G05.2*)
G02.0* Meningitis in viral diseases classified elsewhere
@ Meningitis (due to):
. adenoviral (A87.1+)
. enteroviral (A87.0+)
. herpesviral [herpes simplex] (B00.3+)
. measles (B05.1+)
. mumps (B26.1+)
. varicella [chickenpox] (B01.0+)
G02.1* Meningitis in mycoses
@ Candidal meningitis (B37.5+)
G02.8* Meningitis in other specified infectious and parasitic
@ diseases classified elsewhere

G03 Meningitis due to other and unspecified causes
@ Excludes: meningoencephalitis (G04.-)
meningomyelitis (G04.-)
G03.0 @ Nonpyogenic meningitis
G03.1 Chronic meningitis
Granulomatous meningitis
G03.2 Benign recurrent meningitis [Mollaret]
G03.8 Meningitis due to other specified causes
Recurrent (infective) meningitis
Use additional codes from Chapter II, if desired, for meningitis in malignant disease and from Chapter VII, for meningitis in (Vogt-Koyanagi-)Harada syndrome (H30.80)
G03.9 @ Meningitis, unspecified

G04 Encephalitis, myelitis and encephalomyelitis
@ Includes: acute ascending myelitis
meningoencephalitis
meningomyelitis
Excludes: benign myalgic encephalomyelitis (G93.3)
encephalopathy: . NOS (G93.4)
. toxic (G92)
acute transverse myelitis (G37.3)

G04.0 Acute disseminated encephalitis
Encephalitis } postimmunisation
Encephalomyelitis }
Use additional external cause code (Chapter XX), if desired, to identify vaccine.

G04.1 Tropical spastic paraplegia

G04.10 Spastic paraplegia associated with HTLV1 infection

G04.18 Other tropical spastic paraplegia

G04.2 Bacterial meningoencephalitis and meningomyelitis, not elsewhere classified

G04.8 @ Other encephalitis, myelitis and encephalomyelitis

G04.80 Postinfectious encephalitis and encephalomyelitis
Use additional code (B95-B97), if desired, to identify infectious agent.

G04.9 Encephalitis, myelitis and encephalomyelitis, unspecified
Ventriculitis (cerebral) NOS
Brain-stem encephalitis NOS
Focal encephalitis NOS

G05* Encephalitis, myelitis and encephalomyelitis in diseases
@ classified elsewhere

G05.0* Encephalitis, myelitis and encephalomyelitis in bacterial
@ diseases classified elsewhere
Encephalitis, myelitis or encephalomyelitis:
. meningococcal (A39.8+)
. tuberculous (A17.8+)

G05.1* Encephalitis, myelitis and encephalomyelitis in viral diseases classified elsewhere
Encephalitis, myelitis or encephalomyelitis (in):
. adenoviral (A85.1+)
. cytomegaloviral (B25.8+)
. enteroviral (A85.0+)
. herpesviral [herpes simplex] (B00.4+)
. influenza (J10.8+, J11.8+)
. measles (B05.0+)
. mumps (B26.2+)
. postchickenpox (B01.1+)
. rubella (B06.0+)
. zoster (B02.0+)
Excludes: HIV disease resulting in encephalopathy (B22.0)

G05.2* Encephalitis, myelitis and encephalomyelitis in other
@ infectious and parasitic diseases classified elsewhere
Encephalitis in fungal disease

G05.8* Encephalitis, myelitis and encephalomyelitis in other diseases classified elsewhere
Encephalitis in systemic lupus erythematosus (M32.1+)
Encephalitis in other inflammatory and immune disorders

G06 Intracranial and intraspinal abscess and granuloma
Use additional code (B95-B97), if desired, to identify infectious agent.

G06.0 @ Intracranial abscess and granuloma

G06.00 Cerebellar abscess

G06.01 Cerebral abscess
Cerebral hemisphere abscess

G06.02 Intracranial abscess elsewhere in brain
Abscess in: .brainstem
.corpus callosum

G06.03 Intracranial epidural abscess
(Intracranial) extradural abscess

G06.04 Intracranial subdural abscess

G06.05 Multiple or widespread intracranial abscess and granuloma

G06.1 Intraspinal abscess and granuloma

@ Intraspinal abscess or granuloma: . epidural
. extradural
. subdural

G06.2 Extradural and subdural abscess, unspecified

G07* # Intracranial and intraspinal abscess and granuloma in
@ diseases classified elsewhere
Abscess of brain: . amoebic (A06.6+)
. tuberculous (A17.8+)
Schistosomiasis granuloma of brain (B65.-+)
Tuberculoma of: . brain (A17.8+)
. meninges (A17.1+)

G08 # Intracranial and intraspinal phlebitis and thrombophlebitis
@

G09 # Sequelae of inflammatory diseases of central nervous system
Note: This category is to be used to indicate conditions whose primary classification is to G00-G08 (i.e. excluding those marked with an asterisk (*)) as the cause of sequelae, themselves classifiable elsewhere. The "sequelae" include conditions specified as such or as late effects, or those present one year or more after onset of the causal condition. For use of this category reference should be made to the relevant morbidity and mortality coding rules and guidelines in Volume 2 of ICD-10.

G10-G13 Systemic atrophies primarily affecting the central nervous system

G10 # Huntington's disease
@

G11 Hereditary ataxia
Excludes: hereditary and idiopathic neuropathy (G60.-)
infantile cerebral palsy (G80.-)
metabolic disorders (E70-E90)

G11.0 Congenital nonprogressive ataxia
Excludes: Dandy Walker syndrome (Q03.1)

G11.00 Cerebellar dysplasia and aplasia

G11.01 Joubert syndrome

G11.02 Dysequilibrium syndrome
G11.08 Other specified congenital nonprogressive ataxia
Granular cell hypoplasia
Gillespie syndrome
G11.1 Early-onset cerebellar ataxia
@ Note: Onset usually before the age of 20
G11.10 Early-onset cerebellar ataxia with retained tendon reflexes
Charlevoix ataxia
G11.11 Friedreich's ataxia
G11.12 Early-onset cerebellar ataxia with myoclonus
(Ramsay-)Hunt ataxia
G11.13 Marinesco-Sjögren syndrome
G11.14 Early-onset cerebellar ataxia with essential tremor
G11.18 Other specified early-onset cerebellar ataxia
Ataxia with:
.hypogonadism
.pigmentary retinopathy/optic atrophy
.deafness
G11.2 Late-onset cerebellar ataxia
Note: Onset usually after the age of 20
Excludes: olivopontocerebellar atrophy (G23.81)
G11.3 Cerebellar ataxia with defective DNA repair
Excludes: Cockayne's syndrome (Q87.1)
xeroderma pigmentosum (Q82.1)
G11.30 Ataxia-telangiectasia [Louis-Bar]
G11.4 Hereditary spastic paraplegia
G11.8 Other hereditary ataxias
G11.9 @ Hereditary ataxia, unspecified

G12 Spinal muscular atrophy and related syndromes
G12.0 Infantile spinal muscular atrophy, type I [Werdnig-Hoffman]
G12.1 @ Other inherited spinal muscular atrophy
G12.10 Late infantile spinal muscular atrophy, childhood form
type II
G12.11 Spinal muscular atrophy, juvenile form, type III [Kugelberg-
Welander]
G12.12 Progressive bulbar palsy of childhood [Fazio-Londe]
G12.13 Distal spinal muscular atrophy
G12.14 Scapuloperoneal spinal muscular atrophy
G12.15 Bulbo-spinal spinal muscular atrophy [Kennedy]
G12.2 @ Motor neuron disease
Motor neurone disease
G12.20 Benign monomelic amyotrophy
Segmental motor neurone disease
G12.8 Other spinal muscular atrophies and related syndromes
G12.9 Spinal muscular atrophy, unspecified

G13* $$ Systemic atrophies primarily affecting central nervous system
@ in diseases classified elsewhere
Motor neurone disease in diseases classified elsewhere

G20-G26 $ Extrapyramidal and movement disorders

G20.X0 # Juvenile Parkinson's disease
Juvenile paralysis agitans

G21 $$ Secondary parkinsonism
G21.0 Malignant neuroleptic syndrome
Use additional external cause code (Chapter XX), if desired, to identify drug.
G21.1 Other drug-induced secondary parkinsonism
Use additional external cause code (Chapter XX), if desired, to identify drug.

G23 $$ Other degenerative diseases of basal ganglia
Excludes: multi-system degeneration (G90.3)
G23.0 Hallervorden-Spatz disease
Pigmentary pallidal degeneration
G23.80 Calcification of basal ganglia
G23.81 Olivopontocerebellar atrophy
G23.9 Degenerative disease of basal ganglia, unspecified

G24 $$ Dystonia
Includes: dyskinesia
Excludes: athetoid cerebral palsy (G80.3)
G24.0 Drug-induced dystonia
Use additional external cause code (Chapter XX), if desired, to identify drug.
G24.1 @ Idiopathic familial dystonia
G24.10 Autosomal dominant familial dystonia
G24.11 Autosomal recessive familial dystonia
G24.18 Familial dystonia with other or unspecified inheritance
G24.3 Spasmodic torticollis
Excludes: torticollis NOS (M43.6)
G24.80 Levodopa-responsive diurnal dystonia [Segawa]
G24.9 Dystonia, unspecified
Dyskinesia NOS

G25 Other extrapyramidal and movement disorders
G25.0 Essential tremor
(Benign) familial tremor
Excludes: tremor NOS (R25.1)
G25.1 Drug-induced tremor
Use additional external cause code (Chapter XX), if desired, to identify drug.
G25.2 @ Other specified forms of tremor
G25.3 Myoclonus
@ Drug-induced myoclonus
Use additional external cause code (Chapter XX), if desired, to identify drug, if drug-induced.
G25.4 Drug-induced chorea
Use additional external cause code (Chapter XX), if desired, to identify drug.
G25.5 Other chorea
@ Excludes: Huntington's chorea (G10)
rheumatic chorea (I02.-)
Sydenham's chorea (I02.-)
G25.50 Benign hereditary chorea
G25.51 Kinesiogenic choreoathetosis
G25.52 Benign paroxysmal choreoathetosis
G25.53 Hemiballismus

G25.6 Drug-induced tics and other tics of organic origin
Use additional external cause code (Chapter XX), if desired, to identify drug, if drug-induced.
Excludes: de la Tourette's syndrome (F95.2)
tic NOS (F95.9)

G25.8 Other specified extrapyramidal and movement disorders
@ Excludes: nocturnal myoclonus (G25.3)

G25.80 Stiff-man syndrome

G25.81 Opsoclonus-myoclonus syndrome
Opsomyoclonus

G25.82 Akathisia
Excludes: drug-induced akathisia (G21.1)

G25.9 Extrapyramidal and movement disorder, unspecified

G26* # Extrapyramidal and movement disorders in diseases classified elsewhere
Basal ganglia degeneration in:
.Fahr's syndrome (E20+)
.disorders of pyruvate metabolism (E74.4-+)

G26.X0* Contortions of the neck and abnormal postures in congenital hiatus hernia (Q40.1+)
Sandifer's syndrome

G30-G32 Other degenerative diseases of the nervous system

G30 $$ Alzheimer's disease
@

G31 $$ Other degenerative diseases of nervous system, not elsewhere classified
Excludes: Reye's syndrome (G93.7)

G31.80 Grey matter degeneration
Alper's disease

G31.81 Subacute necrotising encephalopathy
Leigh's disease

G31.82 Neuraxonal dystrophy
Seitelberger's disease

G31.83 Spongy degeneration of white matter in infancy
Excludes: Canavan[-van Bogaert-Bertrand] disease (E75.29)

G31.9 Degenerative disease of nervous system, unspecified
Cerebral atrophy, NOS

G32* Other degenerative disorders of nervous system in disease classified elsewhere

G32.0* Subacute combined degeneration of spinal cord in diseases
@ classified elsewhere

G32.8* Other specified degenerative disorder of nervous system in diseases classified elsewhere

G35-G37 Demyelinating diseases of the central nervous system

G35 # Multiple sclerosis
@

G36 Other acute disseminated demyelination
Excludes: postinfectious encephalitis and encephalomyelitis NOS (G04.8)
G36.0 Neuromyelitis optica [Devic]
Demyelination in optic neuritis
Excludes: optic neuritis NOS (H46)
G36.1 Acute and subacute haemorrhagic leukoencephalitis [Hurst]
G36.8 Other specified acute disseminated demyelination
G36.9 Acute disseminated demyelination, unspecified

G37 $$ Other demyelinating diseases of central nervous system
G37.0 Diffuse sclerosis
@ Schilder's disease
Excludes: adrenoleukodystrophy [Addison-Schilder] (E71.3B)
G37.2 Central pontine myelinolysis
G37.3 Acute transverse myelitis in demyelinating disease of CNS
@ Acute transverse myelitis NOS

G40-G47 $ Episodic and paroxysmal disorders

G40 Epilepsy
Excludes: seizure (convulsive) NOS (R56.8)
status epilepticus (G41.-)
Todd's paralysis (G83.8)
febrile convulsions (R56.0)
isolated convulsion (R56.8)
Landau-Kleffner syndrome (F80.3)
conditions mimicking epilepsy:
pseudoseizures (F44.5)
For complications of epilepsy see relevant conditions classified elsewhere: dementia (F00-F03)
asphyxia (R09.0)
learning disorders (F80-F89)
conduct disorders (F91)

G40.0 Localisation-related (focal)(partial) idiopathic epilepsy and epileptic syndromes with seizures of localised onset
G40.00 Benign childhood epilepsy with centrotemporal EEG spikes
G40.01 Childhood epilepsy with occipital EEG paroxysms
G40.08 Other specific syndrome of partial, focal epilepsy

G40.1 Localisation-related (focal)(partial) symptomatic epilepsy and epileptic syndromes with simple partial seizures
G40.10 Attacks without alteration of consciousness
G40.11 Simple partial seizures developing into secondarily generalised seizures

G40.2 Localisation-related (focal)(partial)symptomatic epilepsy and epileptic syndromes with complex partial seizures
G40.20 Attacks with alteration of consciousness, often with automatisms
G40.21 Complex partial seizures developing into secondarily generalised seizures

G40.3 Generalised idiopathic epilepsy and epileptic syndromes
@ Excludes: photosensitive epilepsy (G40.57)

G40.30 Benign familial neonatal convulsions
G40.31 Benign non-familial neonatal convulsions
G40.32 Childhood absence epilepsy [pyknolepsy]
With 3/second spike and wave pattern on EEG
G40.33 Epilepsy with grand mal seizures on awakening
G40.34 Epilepsy with continuous spike-waves during slow wave sleep
G40.35 Juvenile absence epilepsy
G40.36 Juvenile myoclonic epilepsy [Janz]
G40.37 Other specified generalised idiopathic epileptic syndromes

G40.38 Nonspecific epileptic seizures
Not occurring in the context of a specific syndrome
Excludes: absence seizures NOS (G40.7)
G40.3A Atonic seizures
G40.3B Clonic seizures
G40.3C Myoclonic seizures
G40.3D Tonic seizures
G40.3E Tonic-clonic seizures
Excludes: grand mal seizures, unspecified (G40.6)
G40.3F Gelastic seizures
G40.3G Complex absence seizures
Excludes: childhood absence epilepsy (G40.33)
Lennox-Gastaut syndrome (G40.43)
G40.3H Cursive seizures
G40.3I Other nonspecific epileptic seizures

G40.4 @ Other generalised epilepsy and epileptic syndromes
G40.40 Infantile spasms
Salaam attacks
West's syndrome
G40.41 Epilepsy with myoclonic absences
G40.42 Myoclonic-astatic seizures
G40.43 Lennox-Gastaut syndrome
G40.44 Myoclonic epilepsy with ragged red fibres
MERRF
G40.45 Early infantile encephalopathy
Symptomatic early myoclonic encephalopathy

G40.5 Special epileptic syndromes
G40.50 Epilepsia partialis continua [Kozhevnikof]
G40.51 Epileptic seizures related to alcohol
G40.52 Epileptic seizures related to drugs
Use additional external cause code (Chapter XX), if desired, to identify drug.
G40.53 Epileptic seizures related to hormonal changes
Use additional code, if desired, to identify cause.
G40.54 Epileptic seizures related to sleep deprivation
G40.55 Epileptic seizures related to stress
G40.56 Reflex anoxic seizures

G40.57 Reflex and time-related epileptic syndromes
Epileptic syndromes:
.language induced
.musicogenic
.tactile
.photosensitive
.startle
.other reflex
.nocturnal
.other time-induced
.cyclical
Excludes: epilepsy with grand mal seizures on awakening (G40.33)

G40.6 Grand mal seizures, unspecified (with or without petit mal)

G40.7 Petit mal, unspecified, without grand mal seizures
Excludes: childhood absence epilepsy [pyknolepsy] [true petit mal] (G40.32)
complex absence seizures (G40.3G)

G40.8 Other epilepsy
G40.80 Epilepsies and epileptic syndromes undetermined whether focal or generalized
Excludes: pseudoseizures (F44.5)

G40.8A Epilepsy secondary to diseases classified elsewhere
Use additional code from relevant chapter, if desired to identify acquired or inherited disorder.

G40.9 Epilepsy, unspecified
Epileptic: . convulsions NOS
. fits NOS
. seizures NOS

G41 Status epilepticus
G41.0 Grand mal status epilepticus
@ Tonic-clonic status epilepticus
Excludes: epilepsia partialis continua (G40.50)
G41.1 Petit mal status epilepticus
Epileptic absence status
G41.10 Petit mal status epilepticus with 3/second spike and wave
G41.11 Petit mal status epilepticus without 3/second spike and wave
G41.2 Complex partial status epilepticus
G41.8 Other status epilepticus
G41.9 Status epilepticus, unspecified

G43 $$ Migraine
@
G43.0 Migraine without aura [common migraine]
G43.1 @ Migraine with aura [classical migraine]
G43.10 Basilar migraine
G43.11 Migraine equivalent
G43.12 Migraine aura without headache
G43.13 Benign paroxysmal vertigo of childhood
G43.14 Alternating hemiplegia of childhood
G43.80 Ophthalmoplegic migraine
G43.81 Abdominal migraine

G43.9 Migraine, unspecified

G44 Other headache syndromes
@ Excludes: headache NOS (R51)
G44.0 @ Cluster headache syndrome
G44.1 @ Vascular headache, not elsewhere classified
G44.2 @ Tension-type headache
Tension headache
G44.3 Chronic post-traumatic headache
Post-traumatic headache
G44.4 Drug-induced headache, not elsewhere classified
Use additional external cause code (Chapter XX), if desired, to identify drug.
G44.8 Other specified headache syndromes
G44.80 Headache associated with other intracranial disorders, not elsewhere classified
G44.81 Headache associated with substance abuse or withdrawal
Use additional code (chapter XIX), if desired, to identify substance
Excludes: "hangover" (F10.0)

G44.82 Headache associated with other specified disorders, not elsewhere classified
G44.83 Other specified syndromes of facial and ocular pain
Tolosa-Hunt syndrome
Raeder's paratrigeminal syndrome

G45 $$ Transient cerebral ischaemic attacks and related syndromes
@
G45.80* Post-traumatic transient cerebral ischaemic attacks (T90.-+)

G47 Sleep disorders
Excludes: nightmares (F51.5)
nonorganic sleep disorders (F51.-)
sleep terrors (F51.4)
sleepwalking (F51.3)
G47.0 Disorders of initiating and maintaining sleep [insomnias]
G47.1 Disorders of excessive somnolence [hypersomnias]
G47.2 Disorders of the sleep-wake schedule
Transient sleep-wake schedule disorder
Advanced sleep phase disorder
Delayed sleep phase syndrome
Irregular sleep-wake pattern
Non-24-hour sleep-wake cycle
G47.3 Sleep apnoea
Excludes: pickwickian syndrome (E66.2)
sleep apnoea of newborn (P28.3)
G47.30 (Central) alveolar hypoventilation syndrome
Sleep-related respiratory failure
Ondine's syndrome
Ondine's curse
G47.31 Central sleep apnoea
G47.32 Obstructive sleep apnoea
Use also code from J35.- if associated with enlarged tonsils and adenoids.
G47.4 Narcolepsy and cataplexy

G47.8 Other sleep disorders
Sleep-related: .bruxism
.head-banging
Periodic paroxysmal ataxia
Excludes: bruxism NOS (F45.8)
G47.80 Kleine-Levin syndrome
G47.9 Sleep disorder, unspecified
Sleep disturbance, NOS

G50-G59 Nerve, nerve root and plexus disorders
@

G50 $$ Disorders of trigeminal nerve
@
G50.0 @ Trigeminal neuralgia

G51 $$ Facial nerve disorders
@ Excludes: hemifacial atrophy (Q67.4)
G51.0 Bell's palsy
Facial palsy
Excludes: facial palsy due to birth injury (P11.3)
injury of facial nerve (S04.5)
sequelae of injury of cranial nerves (T90.3)
G51.00 Congenital unilateral facial nerve palsy

G51.01 Congenital bilateral facial nerve palsy
Excludes: Moebius syndrome (Q87.06)
G51.02 Idiopathic acute facial nerve palsy
G51.03 Familial facial nerve palsy
G51.04 Facial nerve palsy associated with other specified disease
G51.1 Geniculate ganglionitis
Excludes: postherpetic geniculate ganglionitis [Ramsay Hunt] (B02.2)
G51.2 @ Melkersson's syndrome

G52 Disorders of other cranial nerves
Excludes: disorders of:
. acoustic [8th] nerve (H93.3)
. optic [2nd] nerve (H46, H47.0)
paralytic strabismus due to nerve palsy (H49.0-H49.2)
G52.0 Disorders of olfactory nerve
@ Anosmia } due to disorder of olfactory nerve
Hyposmia}
G52.1 @ Disorders of glossopharyngeal nerve
G52.2 @ Disorders of vagus nerve
Excludes: recurrent laryngeal nerve palsy (J38.0, S04.8)
G52.3 @ Disorders of hypoglossal nerve
G52.7 @ Disorders of multiple cranial nerves
G52.8 Disorders of other specified cranial nerves
G52.80 Disorders of accessory nerve
G52.9 Cranial nerve disorder, unspecified

G53* $$ Cranial nerve disorders in diseases classified elsewhere
G53.0* @ Postzoster neuralgia (B02.2+)
G53.00* Postherpetic trigeminal neuralgia (B02.2+)
G53.08* Other postherpetic cranial neuralgia (B02.2)

G53.3* Multiple cranial nerve palsies in neoplastic disease (C00-D48+)
G53.80* Trigeminal neuropathy associated with neoplasia (C00-D48+)

G54 Nerve root and plexus disorders
@ Excludes: current traumatic nerve root and plexus disorders - see nerve injury by body region
birth injury (P14.-)
G54.0 Brachial plexus disorders
G54.00 Post-irradiation brachial plexopathy
G54.01 Thoracic outlet syndrome
Thoracic outlet syndrome: due to:
. cervical rib
. other anatomical abnormality
G54.08 Other specified brachial plexus disorder
G54.1 Lumbosacral plexus disorder
G54.10 Post-irradiation lumbosacral plexopathy
G54.18 Other specified lumbosacral plexus disorder
G54.2 Cervical root disorders, not elsewhere classified
G54.3 Thoracic root disorders, not elsewhere classified
G54.4 Lumbosacral root disorders, not elsewhere classified
G54.5 @ Neuralgic amyotrophy
G54.50 Sporadic acute brachial plexopathy
G54.51 Familial acute or recurrent brachial plexopathy
G54.6 Phantom limb syndrome with pain
G54.7 @ Phantom limb syndrome without pain
G54.8 Other nerve root and plexus disorders
G54.9 Nerve root and plexus disorder, unspecified

G55* $$ Nerve root and plexus compressions in diseases classified elsewhere
G55.0* Nerve root and plexus compressions in neoplastic disease (C00-D48+)
G55.1* Nerve root and plexus compressions in intervertebral disc disorders (M50-M51+)

G56 $$ Mononeuropathies of upper limb
Excludes: current traumatic nerve disorder - see nerve injury by body region
G56.0 Carpal tunnel syndrome
G56.1 Other lesions of median nerve
G56.2 @ Lesion of ulnar nerve
G56.3 Lesion of radial nerve

G57 $$ Mononeuropathies of lower limb
Excludes: current traumatic nerve disorder - see nerve injury by body region
G57.0 @ Lesion of sciatic nerve
G57.1 @ Meralgia paraesthetica
G57.2 Lesion of femoral nerve
G57.3 Lesion of lateral popliteal nerve
Peroneal nerve palsy
G57.4 Lesion of medial popliteal nerve

G58 $$ Other mononeuropathies
Excludes: reflex sympathetic dystrophy (M89.0)
G58.7 Mononeuritis multiplex
G58.80 Lesion of phrenic nerve

G59* $$ Mononeuropathy in diseases classified elsewhere

G60-G64 Polyneuropathies and other disorders of the peripheral
@ nervous system

G60 Hereditary and idiopathic neuropathy

G60.0 @ Hereditary motor and sensory neuropathy
G60.00 Hereditary motor and sensory neuropathy Type I
Charcot-Marie-Tooth disease, hypertrophic demyelinative type
Peroneal muscular atrophy, hypertrophic type
G60.01 Hereditary motor and sensory neuropathy Type II
Charcot-Marie-Tooth disease, neuronal type
Peroneal muscular atrophy, axonal type
G60.02 Hereditary motor and sensory neuropathy Type III
Hypertrophic demyelinative neuropathy of infancy
Déjerine-Sottas disease
G60.03 Hereditary motor and sensory neuropathy Type V
Hereditary spastic paraplegia with motor-sensory neuropathy
G60.04 Hereditary motor and sensory neuropathy Type VI
Hereditary motor-sensory neuropathy with optic atrophy

G60.05 Hereditary motor and sensory neuropathy Type VII
Hereditary motor-sensory neuropathy with retinitis pigmentosa
G60.06 Roussy-Levy syndrome
G60.08 Other specified hereditary motor and sensory neuropathy

G60.1 Refsum's disease
Phytanic acid storage disease
Excludes: infantile Refsum's disease (E88.8D)
pseudoinfantile Refsum's disease (E88.8G)
Note: This condition is a disorder of fatty acid metabolism

G60.2 Neuropathy in association with hereditary ataxia

G60.3 Idiopathic progressive neuropathy

G60.8 Other hereditary and idiopathic neuropathies
@ Excludes: type III hereditary sensory and autonomic neuropathy [Familial dysautonomia] [Riley-Day] (G90.1)
G60.80 Type I hereditary sensory and autonomic neuropathy
G60.81 Type IV hereditary sensory and autonomic neuropathy
Congenital insensitivity to pain, anhydrosis and mental retardation [Swanson]
G60.82 Type V hereditary sensory and autonomic neuropathy
Congenital sensory neuropathy with selective loss of pain perception [Low]
G60.83 Familial giant axonal neuropathy
G60.84 Hereditary pressure-sensitive neuropathy

G60.9 Hereditary and idiopathic neuropathy, unspecified

G61 $$ Inflammatory polyneuropathy
G61.0 Guillain-Barré syndrome
Acute (post-)infective polyneuritis
G61.80 Progressive chronic inflammatory demyelinating polyneuropathy
G61.81 Relapsing-remitting chronic inflammatory demyelinating polyneuropathy
G61.9 Inflammatory polyneuropathy, unspecified

G62 $$ Other polyneuropathies
G62.0 Drug-induced polyneuropathy
Use additional external cause code (Chapter XX), if desired, to identify drug.
G62.9 @ Polyneuropathy, unspecified

G63* Polyneuropathy in diseases classified elsewhere
G63.0* Polyneuropathy in infectious and parasitic diseases
@ classified elsewhere
Polyneuropathy in:
- infectious mononucleosis (B27.-+)
- Lyme disease (A69.2+)

G63.1* Polyneuropathy in neoplastic disease (C00-D48+)
G63.2* Diabetic polyneuropathy(E10-E14+ with common 4th character .4)
G63.3* Polyneuropathy in other endocrine and metabolic diseases (E00-E07+, E15-E16+, E20-E34+, E70-E89+)
G63.4* Polyneuropathy in nutritional deficiency (E40-E64+)
G63.5* Polyneuropathy in systemic connective tissue disorders (M30-M35+)

G63.6* Polyneuropathy in other musculoskeletal disorders (M00-M25+, M40-M96+)
G63.8* Polyneuropathy in other diseases classified elsewhere
@ Polyneuropathy in critical illness

G64 # Other disorders of peripheral nervous system
@
G64.X0 Generalised myokymia
G64.X1 Myokymia, hyperhydrosis, impaired muscle relaxation syndrome

G70-G73 Diseases of myoneural junction and muscle

G70 Myasthenia gravis and other myoneural disorders
@ Includes: ocular and generalised forms
Excludes: transient neonatal myasthenia gravis (P94.0)
G70.0 Myasthenia gravis
@ Acquired idiopathic autoimmune myasthenia gravis
G70.1 Toxic myoneural disorders
Use additional external cause code (Chapter XX), if desired, to identify toxic agent.
G70.2 Congenital and developmental myasthenia
G70.20 Familial infantile myasthenia
G70.21 Limb girdle myasthenia
G70.28 Other specified congenital or developmental myasthenia
G70.8 Other specified myoneural disorders
G70.9 Myoneural disorder, unspecified

G71 Primary disorders of muscles
Excludes: arthrogryposis multiplex congenita (Q74.3)
metabolic disorders (E70-E90)
myositis (M60.-)

G71.0 @ Muscular dystrophy
G71.00 Becker muscular dystrophy
G71.01 Benign scapuloperoneal muscular dystrophy with early contractures [Emery-Dreifuss]
G71.02 Facioscapulohumeral muscular dystrophy [Landouzy-Déjerine]
G71.03 Autosomal recessive muscular dystrophy
G71.04 Oculopharyngeal muscular dystrophy
G71.05 Scapuloperoneal muscular dystrophy
G71.06 Duchenne muscular dystrophy
G71.08 Other specified muscular dystrophy
Manifesting female carrier of Duchenne or Becker muscular dystrophy
Distal muscular dystrophy [Distal myopathy]
Congenital muscular dystrophy with central nervous system abnormalities (includes Fukuyama muscular dystrophy)
Excludes: congenital muscular dystrophy:
. NOS (G71.2)
. with specific morphological abnormalities of the muscle fibre (G71.2)

G71.1 @ Myotonic disorders
Excludes: chondrodystrophic myotonia [Schwartz-Jampel] (Q78.81)
G71.10 Drug-induced myotonia
Use additional external cause code (Chapter XX), if desired, to identify drug, if drug-induced.
G71.11 Dystrophia myotonica [Steinert]
Myotonic dsytrophy: . congenital
. childhood onset
. adult onset
G71.12 Myotonia congenita
Myotonia congenita: . dominant [Thomsen]
. recessive [Becker]
. NOS
G71.13 Neuromyotonia
Isaacs syndrome
Continual muscle fibre activity
Excludes: Generalised myokymia (G64.X0)
G71.14 Paramyotonia congenita
G71.15 Pseudomyotonia
G71.18 Other specified type of myotonia
G71.2 @ Congenital myopathies
G71.20 Central core disease
G71.21 Fibre-type disproportion
G71.22 Multicore (minicore) disease
G71.23 Centronuclear myopathy
Myotubular myopathy
G71.24 Nemaline myopathy
G71.25 Congenital muscular dystrophy, NOS
Congenital muscular dystrophy without central nervous system abnormalities
G71.28 Other specified congenital myopathy
Congenital myopathy with nonspecific histology (minimal change myopathy)

G71.3 Mitochondrial myopathy, not elsewhere classified
Excludes: Kearns-Sayre mitochondrial myopathy [Oculo-cranio-somatic myopathy] (H49.80)
G71.8 Other primary disorders of muscles
Excludes: malignant hyperpyrexia due to anaesthesia (T88.3)
G71.9 Primary disorder of muscle, unspecified
Hereditary myopathy NOS

G72 $$ Other myopathies
@ Excludes: dermatomyositis (M33.-)
polymyositis (M33.2)
G72.0 Drug-induced myopathy
Drug-induced rhabdomyolysis
Use additional external cause code (Chapter XX), if desired, to identify drug.
G72.3 @ Periodic paralysis
G72.30 Familial hypokalaemic periodic paralysis
G72.31 Familial hyperkalaemic periodic paralysis
G72.38 Other periodic paralysis
G72.80 Idiopathic rhabdomyolysis
G72.9 Myopathy, unspecified

G73* $$ Disorders of myoneural junction and muscle in diseases classified elsewhere
G73.4* Myopathy in infectious and parasitic diseases classified elsewhere
G73.5* Myopathy in endocrine diseases
G73.50* Myopathy in hyperparathyroidism (E21.0-E21.3+)
G73.51* Myopathy in hypoparathyroidism (E20.-+)

G73.52* Myopathy in Cushing's syndrome and disease (E24.-+)
Excludes: corticosteroid-induced myopathy (G72.0)
G73.53* Hypothyroid myopathy (E00-E03+)
G73.54* Thyrotoxic myopathy (E05.-+)
G73.58* Myopathy in other endocrine diseases
G73.6* Myopathy in metabolic diseases
Myopathy in: . glycogen storage disease (E74.0+)
. lipid storage disorders (E75.-+)
. medium chain acyl CoA dehydrogenase deficiency (E71.31+)
G73.60* Rhabdomyolysis in metabolic disease (E70-E90+)
G73.70* Myopathy in nutritional deficiencies (E40-E64+)
G73.71* Myopathy in rheumatoid arthritis (M05-M06+)
G73.72* Myopathy in thalassaemia (D56.-+)
G73.73* Rhabdomyolysis in dermatomyositis (M33.-+)
G73.74* Rhabdomyolysis in crush syndrome (T04.-+)

G80-G83 Cerebral palsy and other paralytic syndromes

G80 Infantile cerebral palsy
@ Excludes: hereditary spastic paraplegia (G11.4)
congenital malformations of spinal cord (Q06.-)
congenital dyspraxia (clumsy child syndrome) (F82)
G80.0 Spastic cerebral palsy
@ Spastic tetraparesis or tetraplegia
G80.1 Spastic diplegia

G80.2 Infantile hemiplegia
Hemiplegic cerebral palsy
Hemiplegia of pre- or perinatal origin
G80.3 Dyskinetic cerebral palsy
Athetoid cerebral palsy
G80.4 Ataxic cerebral palsy
G80.8 Other infantile cerebral palsy
Mixed cerebral palsy syndromes
G80.80 Monoplegic cerebral palsy affecting upper limb
G80.81 Monoplegic cerebral palsy affecting lower limb
G80.9 Infantile cerebral palsy, unspecified
Cerebral palsy NOS

G81 $$ Hemiplegia
@ Note: For primary coding, this category is to be used only when hemiplegia (complete)(incomplete) is reported without further specification, or is stated to be old or longstanding but of unspecified cause. The category is also for use in multiple coding to identify these types of hemiplegia resulting from any cause.
G81.9 Hemiplegia, unspecified
Acquired post-natally

G82 $$ Paraplegia and tetraplegia
@ Note: For primary coding, this category is to be used only when the listed conditions are reported without further specification, or are stated to be old or longstanding but of unspecified cause. The category is also for use in multiple coding to identify these conditions resulting from any cause.
G82.0 Flaccid paraplegia
G82.1 Spastic paraplegia
G82.5 Tetraplegia, unspecified
Quadriplegia NOS

G83 $$ Other paralytic syndromes
@ Note: For primary coding, this category is to be used only when the listed conditions are reported without further specification, or are stated to be old or longstanding but of unspecified cause. The category is also for use in multiple coding to identify these conditions resulting from any cause.
G83.0 Diplegia of upper limbs
Diplegia (upper)
Paralysis of both upper limbs
G83.1 Monoplegia of lower limb
Paralysis of lower limb
G83.2 Monoplegia of upper limb
Paralysis of upper limb
G83.4 Cauda equina syndrome
@ Excludes: cord bladder NOS (G95.8)
G83.40 Cauda equina syndrome with neurogenic bladder
G83.80 Todd's paralysis (postepileptic)

G90-G99 $ Other disorders of the nervous system

G90 $$ Disorders of autonomic nervous system
@ Excludes: current traumatic nerve, nerve root and plexus disorders - see nerve injury by body region
Holmes-Adie syndrome (H57.00)
G90.1 Familial dysautonomia [Riley-Day]
G90.2 @ Horner's syndrome
G90.9 Disorder of autonomic nervous system, unspecified

G91 $$ Hydrocephalus
Includes: acquired hydrocephalus
that due to neonatal intraventricular haemorrhage
Excludes: hydrocephalus:
. congenital (Q03.-)
. due to congenital toxoplasmosis (P37.1)
G91.0 Communicating hydrocephalus
G91.1 Obstructive hydrocephalus
G91.3 Post-traumatic hydrocephalus, unspecified
G91.9 Hydrocephalus, unspecified

G92 # Toxic encephalopathy
Use additional external cause code (Chapter XX), if desired, to identify toxic agent.

G93 $$ Other disorders of brain
G93.0 Cerebral cysts
G93.00 Arachnoid cyst
G93.01 Porencephalic cyst, acquired
Excludes: acquired periventricular cysts of newborn (P91.1)
congenital cerebral cysts (Q04.6)
G93.1 Anoxic brain damage, not elsewhere classified
@ Excludes: complicating surgical and medical care (T80-T88)
neonatal anoxia (P21.-)
G93.10 Anoxic brain damage with cognitive impairment
G93.11 Anoxic brain damage with amnesic syndrome
G93.12 Anoxic brain damage with coma
G93.13 Anoxic brain damage with action myoclonus [Lance-Adams]
G93.14 Anoxic brain damage with Parkinsonian syndrome
G93.15 Anoxic brain damage with cortical blindness
G93.16 Anoxic brain damage with cerebellar syndrome
G93.17 Anoxic brain damage with persistent vegetative state
G93.18 Anoxic brain damage with preservation of only brain stem function
G93.2 Benign intracranial hypertension
Excludes: hypertensive encephalopathy (I67.4)
G93.20 Benign intracranial hypertension secondary to drug or toxin
Use additional external code, (Chapter XX), if desired, to identify drug or toxin.
G93.21 Benign intracranial hypertension secondary to endocrine abnormality
G93.22 Idiopathic benign intracranial hypertension
G93.3 Postviral fatigue syndrome
Benign myalgic encephalomyelitis
[ME]
G93.4 @ Encephalopathy, unspecified
G93.5 Compression of brain
@ Compression } of brain (stem)
Herniation }
Excludes: traumatic compression of brain (S06.-)

G93.50 Transtentorial herniation
G93.51 Cerebellar tonsillar herniation
G93.58 Other specified brain or brain stem compression or herniation
G93.6 Cerebral oedema
Excludes: cerebral oedema: . due to birth injury (P11.0)
. traumatic (S06.1)
G93.7 Reye's syndrome
Use additional external cause code (Chapter XX), if desired, to identify cause.
G93.8 @ Other specified disorders of brain
G93.80 Postradiation encephalopathy
Postradiation headache

G94* Other disorders of brain in diseases classified elsewhere
G94.0* Hydrocephalus in infectious and parasitic diseases classified elsewhere (A00-B99+)
Excludes: hydrocephalus due to congenital toxoplasmosis (P37.1)
G94.1* Hydrocephalus in neoplastic disease (C00-D48+)
G94.2* Hydrocephalus in other diseases classified elsewhere
G94.8* Other specified disorders of brain in diseases classified elsewhere
G94.80* Metabolic encephalopathy in hyperthyroidism (E05.-+)
G94.81* Metabolic encephalopathy in hypothyroidism (E00-E03+)
G94.82* Metabolic encephalopathy in hyperparathyroidism (E21.-+)
G94.83* Metabolic encephalopathy in hypoparathyroidism (E20.-+)
G94.84* Metabolic encephalopathy in hypercalcaemia (E83.5+)
G94.85* Metabolic encephalopathy in hypocalcaemia (E64.8+, E83.5+)
G94.86* Metabolic encephalopathy in hypernatraemia (E87.0+)
G94.87* Metabolic encephalopathy in hyponatraemia (E87.1+)
G94.88* Metabolic encephalopathy in uraemia (N17-N19+)
G94.89* Metabolic encephalopathy in hepatic failure (K70-K72+)

G95 Other diseases of spinal cord
Excludes: myelitis (G04.-)
G95.0 Syringomyelia and syringobulbia
Excludes: congenital hydromyelia (Q06.4)
Use extra code from congenital malformations, Chapter XVII, to indicate association with Arnold-Chiari syndrome (Q07.0) or Dandy-Walker syndrome (Q03.1), if desired. Use extra code from Chapter XIX, Injuries, (S00-T98), to indicate associated trauma, if desired.
G95.1 Vascular myelopathies
@ Excludes: intraspinal phlebitis and thrombophlebitis, except nonpyogenic (G08)
G95.10 Acute infarction of spinal cord (embolic)(nonembolic)
G95.11 Arterial thrombosis of spinal cord
G95.12 Haematomyelia
G95.2 Cord compression, unspecified
G95.8 Other specified diseases of spinal cord
@ Cord bladder NOS
G95.80 Drug-induced myelopathy
Use additional external cause code (Chapter XX), if desired, to identify external agent.
G95.81 Toxin-induced myelopathy
Use additional external cause code (Chapter XX), if desired, to identify external agent.
G95.82 Radiation-induced myelopathy

G95.9 Disease of spinal cord, unspecified
Myelopathy NOS

G96 $$ Other disorders of central nervous system
G96.0 Cerebrospinal fluid leak
Excludes: from spinal puncture (G97.0)
G96.1 Disorders of meninges, not elsewhere classified
Meningeal adhesions (cerebral)(spinal)
G96.8 Other specified disorders of central nervous system

G97 Postprocedural disorders of nervous system, not elsewhere classified
G97.0 Cerebrospinal fluid leak from spinal puncture
G97.1 Other reaction to spinal and lumbar puncture
G97.2 Intracranial hypotension following ventricular shunting
G97.8 Other postprocedural disorders of nervous system
G97.9 Postprocedural disorder of nervous system, unspecified

G99* $$ Other disorders of nervous system in diseases classified elsewhere
G99.2* @ Myelopathy in diseases classified elsewhere
G99.20* Myelopathy in intervertebral disc disorders (M50.0+, M51.0+)
G99.21* Myelopathy in neoplastic disease (C00-D48+)

Chapter VII, (H00-H59)

Diseases of the eye and adnexa

Excludes: certain conditions originating in the perinatal period(P00-P96)
certain infectious and parasitic diseases (A00-B99)
congenital malformations, deformations and chromosomal abnormalities (Q00-Q99)
endocrine, nutritional and metabolic diseases (E00-E90)
injury, poisoning and certain other consequences of external causes (S00-T98)
neoplasms (C00-D48)
symptoms, signs and abnormal clinical and laboratory findings, not elsewhere classified (R00-R99)

This chapter contains the following blocks:

H00-H06	Disorders of eyelid, lacrimal system and orbit
H10-H13	Disorders of conjunctiva
H15-H22	Disorders of sclera, cornea, iris and ciliary body
H25-H28	Disorders of lens
H30-H36	Disorders of choroid and retina
H40-H42	Glaucoma
H43-H45	Disorders of vitreous body and globe
H46-H48	Disorders of optic nerve and visual pathways
H49-H52	Disorders of ocular muscles, binocular movement, accommodation and refraction
H53-H54	Visual disturbances and blindness
H55-H59	Other disorders of eye and adnexa

Asterisk categories for this chapter are provided as follows:

H03*	Disorders of eyelid in diseases classified elsewhere
H06*	Disorders of lacrimal system and orbit in diseases classified elsewhere
H13*	Disorders of conjunctiva in diseases classified elsewhere
H19*	Disorders of sclera and cornea in diseases classified elsewhere
H22*	Disorders of iris and ciliary body in diseases classified elsewhere
H28*	Cataract and other disorders of lens in diseases classified elsewhere
H32*	Chorioretinal disorders in diseases classified elsewhere
H36*	Retinal disorders in diseases classified elsewhere
H42*	Glaucoma in diseases classified elsewhere
H45*	Disorders of vitreous body and globe in diseases classified elsewhere
H48*	Disorders of optic nerve and visual pathways in diseases classified elsewhere
H58*	Other disorders of eye and adnexa in diseases classified elsewhere

H00-H06 Disorders of eyelid, lacrimal system and orbit

H00 Hordeolum and chalazion
H00.0 Hordeolum and other deep inflammation of eyelid
Abscess)
Furuncle) of eyelid
Stye
H00.1 Chalazion

H01 $$ Other inflammation of eyelid
H01.0 Blepharitis
Excludes: blepharoconjunctivitis (H10.5)
H01.1 Noninfectious dermatoses of eyelid
@ Allergic dermatitis of eyelid

H02 $$ Other disorders of eyelid
Excludes: congenital malformations of eyelid (Q10.0-Q10.3)
H02.0 Entropion and trichiasis of eyelid
H02.1 Ectropion of eyelid
H02.2 Lagophthalmos
Inability to close the eyelid completely
H02.4 Ptosis of eyelid
H02.5 Other disorders affecting eyelid function
@ Ankyloblepharon
Blepharophimosis
Lid retraction
Excludes: tic (psychogenic) (F95.-)

H03* $$ Disorders of eyelid in diseases classified elsewhere

H04 $$ Disorders of lacrimal system
Excludes: congenital malformations of lacrimal system (Q10.4-Q10.6)
H04.0 @ Dacryoadenitis
H04.1 @ Other disorders of lacrimal gland
H04.2 Epiphora
Runny eyes - non-infective
H04.3 Acute and unspecified inflammation of lacrimal passages
@ Acute dacryocystitis
Excludes: neonatal dacryocystitis (P39.1)
H04.5 Stenosis and insufficiency of lacrimal passages
@ Blocked tear duct
Excludes: congenital stenosis and stricture of lacrimal duct (Q10.5)
H04.60 Lacrimal fistula

H05 $$ Disorders of orbit
Excludes: congenital malformation of orbit (Q10.7)
H05.0 @ Acute inflammation of orbit
H05.00 Orbital cellulitis
Periorbital cellulitis
H05.08 Other acute inflammation of the orbit
H05.2 @ Exophthalmic conditions
Excludes: dysthyroid exophthalmos (H06.2*)
H05.3 @ Deformity of orbit
H05.4 Enophthalmos
H05.80 Myopathy of extraocular muscles

H06* $$ Disorders of lacrimal system and orbit in diseases classified elsewhere
H06.2* Dysthyroid exophthalmos (E05.-+)

H10-H13 Disorders of conjunctiva

H10 Conjunctivitis
Excludes: keratoconjunctivitis (H16.2)
H10.0 Mucopurulent conjunctivitis
H10.1 Acute atopic conjunctivitis
H10.2 Other acute conjunctivitis
H10.3 Acute conjunctivitis, unspecified
Excludes: ophthalmia neonatorum NOS (P39.1)
H10.4 Chronic conjunctivitis
H10.5 Blepharoconjunctivitis
H10.8 Other conjunctivitis
H10.9 Conjunctivitis, unspecified

H11 $$ Other disorders of conjunctiva
Excludes: keratoconjunctivitis (H16.2)
H11.1 Conjunctival degenerations and deposits
@ Conjunctival: . argyrosis
. pigmentation
H11.2 @ Conjunctival scars
H11.3 Conjunctival haemorrhage
Subconjunctival haemorrhage
H11.4 Other conjunctival vascular disorders and cysts
Conjunctival: . aneurysm
. hyperaemia
. oedema

H13* $$ Disorders of conjunctiva in diseases classified elsewhere

H15-H22 Disorders of sclera, cornea, iris and ciliary body

H15 $$ Disorders of sclera
H15.0 Scleritis
H15.1 Episcleritis

H16 $$ Keratitis
H16.0 @ Corneal ulcer
H16.2 Keratoconjunctivitis
@ Keratoconjunctivitis: .NOS
.phlyctenular
Superficial keratitis with conjunctivitis
H16.4 @ Corneal neovascularization

H17 $$ Corneal scars and opacities

H18 $$ Other disorders of cornea
H18.5 Hereditary corneal dystrophies
Dystrophy: . corneal: .epithelial
.granular
.lattice
.macular
. Fuchs

H18.6 Keratoconus
Excludes: keratoconus in Down's syndrome (H19.80*)

H19* $$ Disorders of sclera and cornea in diseases classified elsewhere
H19.80* Keratoconus in Down's syndrome (Q90.-+)

H20 $$ Iridocyclitis
Includes: uveitis
H20.0 Acute and subacute iridocyclitis
@ Acute and subacute anterior uveitis
H20.1 Chronic iridocyclitis
Chronic anterior uveitis
H20.9 Iridocyclitis, unspecified

H21 $$ Other disorders of iris and ciliary body
H21.0 Hyphaema
Excludes: traumatic hyphaema (S05.1)
H21.50 Synechiae (iris)
Synechiae: .NOS
.anterior
.posterior

H22* $$ Disorders of iris and ciliary body in diseases classified elsewhere
H22.10* Iridocyclitis in Still's disease (M08.2+)

H25-H28 $ Disorders of lens

H26 $$ Other cataract
Excludes: congenital cataract (Q12.0)
H26.00 Infantile and juvenile cataract
H26.1 Traumatic cataract
Use additional external cause code (Chapter XX), if desired, to identify cause
H26.2 Complicated cataract
@ Cataract secondary to ocular disorders

H27 Other disorders of lens
@ Excludes: congenital lens malformations (Q12.-)
H27.0 Aphakia
H27.1 Dislocation of lens
H27.8 Other specified disorders of lens
H27.9 Disorder of lens, unspecified

H28* $$ Cataract and other disorders of lens in diseases classified elsewhere
H28.0* Diabetic cataract (E10-E14+ with common fourth character .3)
H28.1* Cataract in other endocrine, nutritional and metabolic diseases
Cataract in hypoparathyroidism (E20.-+)
Malnutrition-dehydration cataract (E40-E46+)
H28.20* Myotonic cataract (G71.1+)

H30-H36 Disorders of choroid and retina

H30 Chorioretinal inflammation
H30.0 Focal chorioretinal inflammation
Focal: . chorioretinitis
. choroiditis
. retinitis
. retinochoroiditis
H30.1 Disseminated chorioretinal inflammation
Disseminated:
. chorioretinitis
. choroiditis
. retinitis
. retinochoroiditis
Excludes: exudative retinopathy (H35.0)
H30.2 Posterior cyclitis
Pars planitis
H30.8 Other chorioretinal inflammations
H30.80 (Vogt-Koyanagi-)Harada syndrome
H30.9 Chorioretinal inflammation, unspecified
Chorioretinitis } NOS
Choroiditis }
Retinitis }
Retinochoroiditis }

H31 $$ Other disorders of choroid
H31.0 @ Chorioretinal scars
H31.2 Hereditary choroidal dystrophy
@ Choroideremia
Excludes: ornithinaemia (E72.4)
H31.3 @ Choroidal haemorrhage and rupture

H32* $$ Chorioretinal disorders in diseases classified elsewhere

H33 Retinal detachments and breaks
@
H33.0 @ Retinal detachment with retinal break
H33.1 Retinoschisis and retinal cysts
@ Excludes: congenital retinoschisis (Q14.1)
microcystoid degeneration of retina (H35.4)
H33.2 @ Serous retinal detachment
H33.3 @ Retinal breaks without detachment
H33.4 Traction detachment of retina
Proliferative vitreo-retinopathy with retinal detachment
H33.5 Other retinal detachments

H34 $$ Retinal vascular occlusions
@
H34.1 Central retinal artery occlusion
H34.20 Retinal microembolism
H34.80 Retinal vein occlusion
H34.9 Retinal vascular occlusion, unspecified

H35 $$ Other retinal disorders
H35.0 Background retinopathy and retinal vascular changes
@ Retinal vasculitis
Coats retinopathy

H35.1 Retinopathy of prematurity
ROP
Retrolental fibroplasia
H35.2 Other proliferative retinopathy
@ Proliferative vitreo-retinopathy
H35.3 Degeneration of macula and posterior pole
@ Angioid streaks of macula
Toxic maculopathy
Use additional external cause code (Chapter XX), if desired, to identify if drug-induced.
H35.4 @ Peripheral retinal degeneration

H35.5 @ Hereditary retinal dystrophy
H35.50 Retinitis pigmentosa
H35.51 Stargardt's disease
H35.52 Leber's amaurosis
H35.58 Other hereditary retinal dystrophy
H35.6 Retinal haemorrhage

H36* Retinal disorders in diseases classified elsewhere
H36.0* Diabetic retinopathy (E10-E14+ with common fourth character .3)
H36.8* Other retinal disorders in diseases classified elsewhere
@ Proliferative sickle-cell retinopathy (D57.-+)
Retinal dystrophy in lipid storage disorders (E75.-+)

H40-H42 Glaucoma

H40 $$ Glaucoma
@ Excludes: congenital glaucoma (Q15.0)
traumatic glaucoma due to birth injury (P15.3)

H42* Glaucoma in diseases classified elsewhere
H42.0* Glaucoma in endocrine, nutritional and metabolic diseases
Glaucoma in: . amyloidosis (E85.-+)
. Lowe's syndrome (E72.0+)
H42.8* @ Glaucoma in other diseases classified elsewhere

H43-H45 Disorders of vitreous body and globe

H43 $$ Disorders of vitreous body
H43.1 Vitreous haemorrhage

H44 $$ Disorders of the globe
Includes: disorders affecting multiple structures of eye
Excludes: absence of eye} acquired (Z90.00)
anophthalmos }
H44.0 Purulent endophthalmitis
@ Panophthalmitis
H44.1 @ Other endophthalmitis
H44.10 Sympathetic uveitis

H45* $$ Disorders of vitreous body and globe in diseases classified elsewhere
H45.1* Endophthalmitis in diseases classified elsewhere
@ Endophthalmitis in toxocariasis (B83.0+)

H46-H48 Disorders of optic nerve and visual pathways

H46 # Optic neuritis
@ Retrobulbar neuritis NOS

H47 $$ Other disorders of optic [2nd] nerve and visual pathways
H47.0 Disorders of optic nerve, not elsewhere classified
@ Compression of optic nerve
H47.1 Papilloedema, unspecified
H47.2 @ Optic atrophy
H47.4 Disorders of optic chiasm
H47.5 Disorders of other visual pathways
Disorders of optic tracts, geniculate nuclei and optic radiations
H47.6 Disorders of visual cortex
H47.7 Disorder of visual pathways, unspecified

H48* $$ Disorders of optic [2nd] nerve and visual pathways in diseases classified elsewhere

H49-H52 Disorders of ocular muscles, binocular movement, accommodation and refraction
Excludes: nystagmus and other irregular eye movements (H55)

H49 $$ Paralytic strabismus
H49.80 Kearns-Sayre mitochondrial myopathy
H49.9 Paralytic strabismus, unspecified

H50 Other strabismus
H50.0 Convergent concomitant strabismus
@ [Non-paralytic]
H50.1 Divergent concomitant strabismus
@ [Non-paralytic]
H50.2 Vertical strabismus
H50.3 Intermittent heterotropia
@ Intermittent manifest squint
H50.4 Other and unspecified heterotropia
@ Other and unspecified manifest squint
Microtropia
Monofixation syndrome
H50.5 Heterophoria
@ Latent squint
H50.6 Mechanical strabismus
@ Brown's sheath syndrome
Strabismus due to adhesions
H50.8 Other specified strabismus
Duane's syndrome
H50.9 Strabismus, unspecified

H51 Other disorders of binocular movement
H51.0 Palsy of conjugate gaze
H51.1 Convergence insufficiency and excess
H51.2 Internuclear ophthalmoplegia
H51.8 Other specified disorders of binocular movement
H51.9 Disorder of binocular movement, unspecified

H52 $$ Disorders of refraction and accommodation
H52.0 Hypermetropia
H52.1 @ Myopia
H52.2 Astigmatism
H52.3 Anisometropia and aniseikonia
H52.5 Disorders of accommodation
@ Internal ophthalmoplegia (complete)(total)
H52.6 Other disorders of refraction
Excludes: presbyopia (H52.4)
H52.7 Disorder of refraction, unspecified

H53-H54 Visual disturbances and blindness

H53 Visual disturbances
H53.0 Amblyopia ex anopsia
Amblyopia:
. anisometropic
. deprivation
. strabismic
H53.1 Subjective visual disturbances
@ Excludes: visual hallucinations (R44.1)
H53.10 Photophobia
H53.18 Other subjective visual disturbances
H53.2 Diplopia
Double vision
H53.3 @ Other disorders of binocular vision
H53.4 @ Visual field defects
H53.5 Colour vision deficiency
@ Colour blindness
Achromatopsia
H53.6 Night blindness
Excludes: due to vitamin A deficiency (E50.5)
H53.8 Other visual disturbances
H53.9 Visual disturbance, unspecified

H54 Blindness and low vision
@ Note: For definition of visual impairment categories
see ICD-10 volume 1, pages 456-457.
H54.0 @ Blindness, both eyes
H54.1 @ Blindness, one eye, low vision other eye
H54.2 @ Low vision, both eyes
H54.3 @ Unqualified visual loss, both eyes
H54.4 Blindness, one eye
@ [normal vision in other eye]
H54.5 Low vision, one eye
@ [normal vision in other eye]
H54.6 Unqualified visual loss, one eye
@ [normal vision in other eye]
H54.7 @ Unspecified visual loss

H55-H59 Other disorders of eye and adnexa

H55 # Nystagmus and other irregular eye movements
Nystagmus:
. NOS
. congenital
. deprivation
. dissociated
. latent

H55.X0 Opsoclonus

H57 Other disorders of eye and adnexa
H57.0 Anomalies of pupillary function
H57.00 Holmes-Adie syndrome
H57.1 Ocular pain
H57.8 Other specified disorders of eye or adnexa
H57.9 Disorder of eye and adnexa, unspecified

H58* $$ Other disorders of eye and adnexa in diseases classified elsewhere

H59 $$ Postprocedural disorders of eye and adnexa, not elsewhere classified

Chapter VIII, (H60-H95)

Diseases of the ear and mastoid process

Excludes: certain conditions originating in the perinatal period (P00-
@ P96)
certain infectious and parasitic diseases (A00-B99)
congenital malformations, deformations and chromosomal abnormalities (Q00-Q99)
endocrine, nutritional and metabolic diseases (E00-E90)
injury, poisoning and certain other consequences of external causes (S00-T98)
neoplasms (C00-D48)
symptoms, signs and abnormal clinical and laboratory findings, not elsewhere classified (R00-R99)

This chapter contains the following blocks:

H60-H62 Diseases of external ear
H65-H75 Diseases of middle ear and mastoid
H80-H83 Diseases of inner ear
H90-H95 Other disorders of ear

Asterisk categories for this chapter are provided as follows:

H62* Disorders of external ear in diseases classified elsewhere
H67* Otitis media in diseases classified elsewhere
H75* Other disorders of middle ear and mastoid in diseases classified elsewhere
H82* Vertiginous syndromes in diseases classified elsewhere
H94* Other disorders of ear in diseases classified elsewhere

H60-H62 Diseases of external ear

H60 $$ Otitis externa
H60.3 @ Other infective otitis externa
H60.30 Haemorrhagic otitis externa
H60.5 @ Acute otitis externa, noninfective
H60.50 Acute eczematoid otitis externa
H60.58 Other acute otitis externa, noninfective
H60.9 Otitis externa, unspecified

H61 $$ Other disorders of external ear
Excludes: cauliflower ear (M95.1)
H61.2 Impacted cerumen
Wax in ear

H62* Disorders of external ear in diseases classified elsewhere
Includes: otitis externa in immunocompromised children
H62.0* @ Otitis externa in bacterial diseases classified elsewhere
H62.1* @ Otitis externa in viral diseases classified elsewhere
H62.10* Otitis externa in herpesviral [herpes simplex] infection (B00.1+)
H62.18* Otitis externa in other viral diseases classified elsewhere
H62.2* @ Otitis externa in mycoses
H62.3* Otitis externa in other infectious and parasitic diseases classified elsewhere

H62.4* Otitis externa in other diseases classified elsewhere
H62.40* Otitis externa in impetigo (L01.-+)
H62.8* Other disorders of external ear in diseases classified elsewhere

H65-H75 $ Diseases of middle ear and mastoid

H65 $$ Nonsuppurative otitis media
Includes: with myringitis
H65.0 Acute serous otitis media
Acute and subacute secretory otitis media
H65.1 Other acute nonsuppurative otitis media
@ Excludes: otitis media (acute) NOS (H66.9)
H65.3 Chronic mucoid otitis media
@ Glue ear
Otitis media, chronic: .mucinous
.secretory
H65.4 Other chronic nonsuppurative otitis media
@ Excludes: Chronic serous otitis media (H65.2)
H65.9 Nonsuppurative otitis media, unspecified
(i.e. not specified whether acute or chronic)

H66 Suppurative and unspecified otitis media
Includes: with myringitis
H66.0 Acute suppurative otitis media
H66.1 Chronic tubotympanic suppurative otitis media
@ N.B. If perforation present use also code H72-
H66.2 Chronic atticoantral suppurative otitis media
@ N.B. If cholesteatoma present use also code H71
H66.3 Other chronic suppurative otitis media
Chronic suppurative otitis media NOS
H66.4 @ Suppurative otitis media, unspecified
H66.9 @ Otitis media, unspecified
Acute otitis media, (unspecified)

H67* $$ Otitis media in diseases classified elsewhere
Includes: otitis media in bacterial and viral diseases classified elsewhere

H70 Mastoiditis and related conditions
H70.0 @ Acute mastoiditis
H70.1 @ Chronic mastoiditis
H70.2 @ Petrositis
H70.8 Other mastoiditis and related conditions
H70.9 Mastoiditis, unspecified

H71 # Cholesteatoma of middle ear
@ See also H66.2

H72 $$ Perforation of tympanic membrane
@ Excludes: traumatic rupture of ear drum (S09.2)
H72.9 Perforation of tympanic membrane, unspecified

H73 $$ Other disorders of tympanic membrane
H73.0 Acute myringitis
@ Excludes: with otitis media (H65-H66)

H73.80 Tympanic atelectasis
Floppy eardrum

H74 $$ Other disorders of middle ear and mastoid
H74.4 Polyp of middle ear

H75* $$ Other disorders of middle ear and mastoid in diseases classified elsewhere

H80-H83 Diseases of inner ear

H80 $$ Otosclerosis
@

H81 Disorders of vestibular function
@ Excludes: vertigo NOS (R42)
H81.0 @ Ménière's disease
H81.1 Benign paroxysmal vertigo
H81.2 Vestibular neuronitis
H81.3 @ Other peripheral vertigo
H81.4 @ Vertigo of central origin
H81.8 Other disorders of vestibular function
H81.9 @ Disorder of vestibular function, unspecified

H82* # Vertiginous syndromes in diseases classified elsewhere

H83 $$ Other diseases of inner ear
H83.0 Labyrinthitis

H90-H95 Other disorders of ear

H90 Conductive and sensorineural hearing loss
Includes: congenital deafness
Excludes: deaf mutism NEC (H91.3)
deafness NOS (H91.9)
hearing loss: . NOS (H91.9)
. noise-induced (H83.3)
. ototoxic (H91.0)
. sudden (idiopathic) (H91.2)

N.B. When using H90.0 to H90.2 the causal process from H65 to H75 should also be used wherever possible

H90.0 Conductive hearing loss, bilateral
H90.1 Conductive hearing loss, unilateral with unrestricted hearing on the contralateral side
H90.2 @ Conductive hearing loss, unspecified
H90.3 Sensorineural hearing loss, bilateral
H90.4 Sensorineural hearing loss, unilateral with unrestricted hearing on the contralateral side
Sensorineural hearing loss due to mumps
H90.5 @ Sensorineural hearing loss, unspecified
Congenital deafness NOS
H90.6 Mixed conductive and sensorineural hearing loss, bilateral
H90.7 Mixed conductive and sensorineural hearing loss, unilateral with unrestricted hearing on the contralateral side

H90.8 Mixed conductive and sensorineural hearing loss, unspecified

H91 $$ Other hearing loss
@ Excludes: abnormal auditory perception (H93.2)
impacted cerumen (H61.2)
psychogenic deafness (F44.6)
H91.0 Ototoxic hearing loss
Use additional external cause code (Chapter XX), if desired, to identify toxic agent
H91.2 @ Sudden idiopathic hearing loss
H91.3 Deaf mutism, not elsewhere classified
H91.9 Hearing loss, unspecified
Deafness: . NOS
. high frequency
. low frequency

H92 Otalgia and effusion of ear
H92.0 Otalgia
Earache
H92.1 Otorrhoea
Discharging ear
Excludes: .leakage of cerebrospinal fluid through ear (G96.0)
.when due to H66.0-.2
H92.2 Otorrhagia
Haemorrhage from external auditory meatus
Excludes: traumatic otorrhagia - code by type of injury

H93 $$ Other disorders of ear, not elsewhere classified
H93.1 Tinnitus
H93.2 Other abnormal auditory perceptions
@ Excludes: auditory hallucinations (R44.0)
H93.3 @ Disorders of acoustic nerve

H94* $$ Other disorders of ear in diseases classified elsewhere

H95 $$ Postprocedural disorders of ear and mastoid process, not elsewhere classified

Chapter IX, (I00-I99)

Diseases of the circulatory system.

Excludes: certain conditions originating in the perinatal period (P00-P96)
@ certain infectious and parasitic diseases (A00-B99)
congenital malformations, deformations and chromosomal abnormalities (Q00-Q99)
endocrine, nutritional and metabolic diseases (E00-E90)
injury, poisoning and certain other consequences of external causes (S00-T98)
neoplasms (C00-D48)
symptoms, signs and abnormal clinical and laboratory findings, not elsewhere classified (R00-R99)
systemic connective tissue disorders (M30-M36)
transient cerebral ischaemic attacks and related syndromes (G45.-)

This chapter contains the following blocks:

I00-I02 Acute rheumatic fever
I05-I09 Chronic rheumatic heart diseases
I10-I15 Hypertensive diseases
I20-I25 Ischaemic heart diseases
I26-I28 Pulmonary heart disease and diseases of pulmonary circulation
I30-I52 Other forms of heart disease
I60-I69 Cerebrovascular diseases
I70-I79 Diseases of arteries, arterioles and capillaries
I80-I89 Diseases of veins, lymphatic vessels and lymph nodes, not elsewhere classified
I95-I99 Other and unspecified disorders of the circulatory system

Asterisk categories for this chapter are provided as follows:

I32* Pericarditis in diseases classified elsewhere
I39* Endocarditis and heart valve disorders in diseases classified elsewhere
I41* Myocarditis in diseases classified elsewhere
I43* Cardiomyopathy in diseases classified elsewhere
I52* Other heart disorders in diseases classified elsewhere
I68* Cerebrovascular disorders in diseases classified elsewhere
I79* Disorders of arteries, arterioles and capillaries in diseases classified elsewhere
I98* Other disorders of circulatory system in diseases classified elsewhere

I00-I02 Acute rheumatic fever

I00 # Rheumatic fever without mention of heart involvement
Arthritis, rheumatic, acute or subacute

I01 Rheumatic fever with heart involvement
Excludes: chronic diseases of rheumatic origin (I05-I09) unless rheumatic fever is also present or there is evidence of recrudescence or activity of the rheumatic process. In cases where there is doubt as to rheumatic activity at the time of death refer to the mortality coding rules in ICD-10, volume 2.

I01.0 @ Acute rheumatic pericarditis
I01.1 @ Acute rheumatic endocarditis
I01.2 @ Acute rheumatic myocarditis
I01.8 Other acute rheumatic heart disease
@ Rheumatic pancarditis, acute
I01.9 @ Acute rheumatic heart disease, unspecified

I02 Rheumatic chorea
@ Includes: Sydenham's chorea
I02.0 @ Rheumatic chorea with heart involvement
I02.9 Rheumatic chorea without heart involvement
Rheumatic chorea NOS

I05-I09 Chronic rheumatic heart diseases

I05 Rheumatic mitral valve diseases
@ Includes: whether specified as rheumatic or not
Excludes: when specified as nonrheumatic (I34.-)
I05.0 @ Mitral stenosis
I05.1 Rheumatic mitral insufficiency
Rheumatic mitral: .incompetence
.regurgitation
I05.2 Mitral stenosis with insufficiency
Mitral stenosis with incompetence or regurgitation
I05.8 Other mitral valve diseases
Mitral (valve) failure
I05.9 @ Mitral valve disease, unspecified

I06 Rheumatic aortic valve diseases
@
I06.0 @ Rheumatic aortic stenosis
I06.1 Rheumatic aortic insufficiency
Rheumatic aortic: .incompetence
.regurgitation
I06.2 @ Rheumatic aortic stenosis with insufficiency
I06.8 Other rheumatic aortic valve diseases
I06.9 @ Rheumatic aortic valve disease, unspecified

I07 Rheumatic tricuspid valve diseases
@
I07.0 @ Rheumatic tricuspid stenosis
I07.1 @ Rheumatic tricuspid insufficiency
I07.2 Rheumatic tricuspid stenosis with insufficiency
I07.8 Other tricuspid valve diseases
I07.9 @ Rheumatic tricuspid valve disease, unspecified

I08 Multiple valve diseases
@ Includes: whether specified as rheumatic or not
I08.0 @ Diseases of both mitral and aortic valves

```
I08.1     Disorders of both mitral and tricuspid valves
I08.2     Disorders of both aortic and tricuspid valves
I08.3     Combined disorders of mitral, aortic and tricuspid valves
I08.8     Other multiple valve diseases
I08.9     Multiple valve disease, unspecified

I09       Other rheumatic heart diseases
I09.0   @ Rheumatic myocarditis
I09.1   @ Rheumatic diseases of endocardium, valve unspecified
I09.2   @ Chronic rheumatic pericarditis
I09.8     Other specified rheumatic heart diseases
I09.80    Rheumatic pulmonary valve disease
I09.9   @ Rheumatic heart disease, unspecified


I10-I15   Hypertensive diseases
@          Excludes: involving coronary vessels (I20-I25)
                     neonatal hypertension (P29.2)
                     pulmonary hypertension (I27.0)

I10     # Essential (primary) hypertension
@          Excludes: involving vessels of: .brain (I60-I69)
                                           .eye (H35.0)

I11       Hypertensive heart disease
@
I11.0   @ Hypertensive heart disease with (congestive) heart failure
I11.9   @ Hypertensive heart disease without (congestive)heart failure

I12       Hypertensive renal disease
@          Excludes: secondary hypertension (I15.-)
I12.0   @ Hypertensive renal disease with renal failure
I12.9   @ Hypertensive renal disease without renal failure

I13       Hypertensive heart and renal disease
@
I13.0     Hypertensive heart and renal disease with (congestive) heart
           failure
I13.1     Hypertensive heart and renal disease with renal failure
I13.2     Hypertensive heart and renal disease with both (congestive)
           heart failure and renal failure
I13.9     Hypertensive heart and renal disease, unspecified

I15       Secondary hypertension
           Excludes: involving vessels of: .brain (I60-I69)
                                           .eye (H35.0)
I15.0     Renovascular hypertension
I15.1     Hypertension secondary to other renal disorders
I15.2     Hypertension secondary to endocrine disorders
I15.8     Other secondary hypertension
I15.9     Secondary hypertension, unspecified


I20-I25   Ischaemic heart diseases
@

I20    $$ Angina pectoris
```

I21 $$ Acute myocardial infarction
@

I22 $$ Subsequent myocardial infarction
@

I23 $$ Certain current complications following acute myocardial
@ infarction

I24 $$ Other acute ischaemic heart diseases
@

I25 $$ Chronic ischaemic heart disease
@
I25.4 @ Coronary artery aneurysm

I26-I28 Pulmonary heart disease and diseases of pulmonary circulation

I26 $$ Pulmonary embolism
@

I27 Other pulmonary heart diseases
I27.0 @ Primary pulmonary hypertension
I27.1 Kyphoscoliotic heart disease
I27.8 Other specified pulmonary heart diseases
I27.9 Pulmonary heart disease, unspecified
Chronic cardiopulmonary disease
Cor pulmonale (chronic) NOS
Use additional code from chapter X, if desired, to indicate
associated respiratory condition.

I28 Other diseases of pulmonary vessels
I28.0 Arteriovenous fistula of pulmonary vessels
I28.1 Aneurysm of pulmonary artery
I28.8 @ Other specified diseases of pulmonary vessels
I28.9 Disease of pulmonary vessels, unspecified

I30-I52 Other forms of heart disease

I30 Acute pericarditis
@ Includes: acute pericardial effusion
I30.0 Acute nonspecific idiopathic pericarditis
I30.1 Infective pericarditis
@ Use additional code (B95-B97), if desired, to identify
infectious agent
I30.8 Other forms of acute pericarditis
I30.9 Acute pericarditis, unspecified

I31 Other diseases of pericardium
@ Excludes: when specified as rheumatic (I09.2)
I31.0 @ Chronic adhesive pericarditis
I31.1 @ Chronic constrictive pericarditis
I31.2 Haemopericardium, not elsewhere classified
I31.3 Pericardial effusion (noninflammatory)
I31.30 Chylopericardium
I31.38 Other pericardial effusion (noninflammatory)

```
I31.8   @ Other specified diseases of pericardium
I31.9   @ Disease of pericardium, unspecified

I32*      Pericarditis in diseases classified elsewhere
I32.0* @  Pericarditis in bacterial diseases classified elsewhere
I32.1*    Pericarditis in other infectious and parasitic diseases
           classified elsewhere
I32.8* @  Pericarditis in other diseases classified elsewhere

I33       Acute and subacute endocarditis
           Excludes: acute rheumatic endocarditis (I01.1)
                     endocarditis NOS (I38)
I33.0     Acute and subacute infective endocarditis
@          Endocarditis (acute)(subacute): .bacterial
                                           .infective NOS
             Use additional code (B95-B97), if desired to
              identify infectious agent
I33.9     Acute endocarditis, unspecified
@          Subacute endocarditis, unspecified

I34       Nonrheumatic mitral valve disorders
@
I34.0     Mitral (valve) insufficiency
@          NOS or of specified cause, except rheumatic
I34.1     Mitral (valve) prolapse
@          Excludes: Marfan's syndrome (Q87.4)
I34.2     Nonrheumatic mitral (valve) stenosis
I34.8     Other nonrheumatic mitral valve disorders
I34.9     Nonrheumatic mitral valve disorder, unspecified

I35       Nonrheumatic aortic valve disorders
@
I35.0     Aortic (valve) stenosis
I35.1   @ Aortic (valve) insufficiency
I35.2     Aortic (valve) stenosis with insufficiency
I35.8     Other aortic valve disorders
I35.9     Aortic valve disorder, unspecified

I36       Nonrheumatic tricuspid valve disorders
@
I36.0     Nonrheumatic tricuspid (valve) stenosis
I36.1   @ Nonrheumatic tricuspid (valve) insufficiency
I36.2     Nonrheumatic tricuspid (valve) stenosis with insufficiency
I36.8     Other nonrheumatic tricuspid valve disorders
I36.9     Nonrheumatic tricuspid valve disorder, unspecified

I37       Pulmonary valve disorders
           Excludes: when specified as rheumatic (I09.8)
I37.0     Pulmonary valve stenosis
I37.1   @ Pulmonary valve insufficiency
I37.2     Pulmonary valve stenosis with insufficiency
I37.8     Other pulmonary valve disorders
I37.9     Pulmonary valve disorder, unspecified
```

```
I38     # Endocarditis, valve unspecified
@           Endocarditis (chronic) NOS
           Excludes: .endocardial fibroelastosis (I42.4)
                     .endocardial involvement in Libman-Sacks
                       disease (I39.-*, M32.1+)

I39*       Endocarditis and heart valve disorders in diseases classified
@           elsewhere
I39.0*     Mitral valve disorders in diseases classified elsewhere
I39.1*     Aortic valve disorders in diseases classified elsewhere
I39.2*     Tricuspid valve disorders in diseases classified elsewhere
I39.3*     Pulmonary valve disorders in diseases classified elsewhere
I39.4*     Multiple valve disorders in diseases classified elsewhere
I39.8*     Endocarditis, valve unspecified, in diseases classified
            elsewhere

I40    $$ Acute myocarditis
I40.0      Infective myocarditis
            Use additional code (B95-B97), if desired, to identify
             infectious agent.
I40.00     Viral myocarditis
I40.8      Other acute myocarditis
            Excludes: Isolated myocarditis (I40.1)
I40.9      Acute myocarditis, unspecified

I41*       Myocarditis in diseases classified elsewhere
I41.0* @   Myocarditis in bacterial diseases classified elsewhere
I41.1*     Myocarditis in viral diseases classified elsewhere
@           Mumps myocarditis (B26.8+)
I41.2*     Myocarditis in other infectious and parasitic diseases
@           classified elsewhere
I41.8* @   Myocarditis in other diseases classified elsewhere

I42        Cardiomyopathy
@
I42.0      Dilated cardiomyopathy
I42.1   @  Obstructive hypertrophic cardiomyopathy
I42.2      Other hypertrophic cardiomyopathy
            Nonobstructive hypertrophic cardiomyopathy
I42.3      Endomyocardial (eosinophilic) disease
@           Endomyocardial (tropical) fibrosis
I42.4      Endocardial fibroelastosis
            Congenital cardiomyopathy
I42.5      Other restrictive cardiomyopathy
I42.6      Alcoholic cardiomyopathy
I42.7      Cardiomyopathy due to drugs and other external agents
            Use additional external cause code (Chapter XX), if
             desired, to identify cause.
I42.8      Other cardiomyopathies
I42.9      Cardiomyopathy, unspecified
            Cardiomyopathy (primary)(secondary) NOS

I43*       Cardiomyopathy in diseases classified elsewhere
I43.0*     Cardiomyopathy in  infectious and parasitic diseases
@           classified elsewhere
I43.1*     Cardiomyopathy in metabolic diseases
            Cardiac amyloidosis (E85.-+)
```

```
I43.2*    Cardiomopathy in nutritional diseases
           Nutritional cardiomyopathy NOS (E63.9+)
           Beriberi heart disease (E51.1+)
           Cardiac glycogenosis (E74.0+)
           Mucopolysaccharidosis cardiomyopathy (E76.-+)
I43.8* @  Cardiomyopathy in other diseases classified elsewhere

I44    $$ Atrioventricular and left bundle-branch block
I44.0     Atrioventricular block, first degree
I44.1     Atrioventricular block, second degree
@          Wenckebach's block [phenomenon]
I44.2     Atrioventricular block, complete
           Complete heart block NOS
           Third-degree block
I44.3   @ Other and unspecified atrioventricular block

I45       Other conduction disorders
I45.0     Right fascicular block
I45.1   @ Other and unspecified right bundle-branch block
I45.2     Bifascicular block
I45.3     Trifascicular block
I45.4     Nonspecific intraventricular block
           Bundle branch block NOS
I45.5     Other specified heart block
@          Sinoatrial block
           Sinoauricular block
I45.6     Pre-excitation syndrome
@          Atrioventricular conduction: .accelerated
                                        .accessory
I45.60    Wolff-Parkinson-White syndrome
I45.61    Lown-Ganong-Levine syndrome
I45.68    Other specified pre-excitation syndrome
I45.8     Other specified conduction disorders
           Atrioventricular [AV] dissociation
           Interference dissociation
I45.9     Conduction disorder, unspecified
           Heart block NOS
           Stokes-Adams syndrome

I46       Cardiac arrest
@
I46.0     Cardiac arrest with successful resuscitation
I46.1     Sudden cardiac death, so described
           Excludes: sudden death:
                      .NOS (R96.-)
                      .with: .conduction disorder (I44-I45)
                             .myocardial infarction (I21-I22)
I46.9     Cardiac arrest, unspecified

I47       Paroxysmal tachycardia
@          Excludes: tachycardia NOS (R00.0)
I47.0     Re-entry ventricular arrhythmia
           Re-entry ventricular tachycardia
```

```
I47.1     Supraventricular tachycardia
           SVT
           Paroxysmal tachycardia: .atrial
                                   .atrioventricular [AV]
                                   .junctional
                                   .nodal
I47.2     Ventricular tachycardia
I47.9   @ Paroxysmal tachycardia, unspecified

I48     # Atrial fibrillation and flutter

I49       Other cardiac arrhythmias
@          Excludes: bradycardia NOS (R00.1)
                     neonatal cardiac dysrhythmia (P29.1)
I49.0     Ventricular fibrillation and flutter
I49.1     Atrial premature depolarisation
           Atrial premature beats
I49.2     Junctional premature depolarisation
I49.3     Ventricular premature depolarisation
I49.4     Other and unspecified premature depolarisation
@          Ectopic beats
           Extrasystoles
I49.5     Sick sinus syndrome
           Tachycardia-bradycardia syndrome
I49.8   @ Other specified cardiac arrhythmias
I49.9   @ Cardiac arrhythmia, unspecified

I50       Heart failure
@          Excludes: due to hypertension (I11.0)
                      .with renal disease (I13.-)
                     following cardiac surgery or due to presence of
                      cardiac prosthesis (I97.1)
                     neonatal cardiac failure (P29.0)
I50.0   @ Congestive heart failure
I50.1   @ Left ventricular failure
I50.9   @ Heart failure, unspecified

I51       Complications and ill-defined descriptions of heart disease
@          Excludes: complications following acute myocardial
                      infarction (I23.-)
I51.0   @ Cardiac septal defect, acquired
I51.1     Rupture of chordae tendinae, not elsewhere classified
I51.2     Rupture of papillary muscle, not elsewhere classified
I51.3   @ Intracardiac thrombosis, not elsewhere classified
I51.4   @ Myocarditis, unspecified
I51.5   @ Myocardial degeneration
I51.6   @ Cardiovascular disease, unspecified
I51.7   @ Cardiomegaly
I51.8   @ Other ill-defined heart diseases
I51.9     Heart disease, unspecified

I52*      Other heart disorders in diseases classified elsewhere
           Excludes: cardiovascular disorders NOS in diseases
                      classified elsewhere (I98.-*)
I52.0*    Other heart disorders in bacterial diseases class. elsewhere
           Meningococcal carditis NEC (A39.5+)
I52.1*    Other heart disorders in other infectious and parasitic
@          diseases classified elsewhere
```

I52.8* Other heart disorders in other diseases classified elsewhere
Rheumatoid carditis (M05.3+)

I60-I69 Cerebrovascular diseases
@

I60 $$ Subarachnoid haemorrhage
@ Includes: ruptured cerebral aneurysm. For specific vessel see ICD-10.
I60.80 Rupture of cerebral arteriovenous malformation

I61 $$ Intracerebral haemorrhage
@ Excludes: intracranial nontraumatic haemorrhage of fetus or newborn (P52.-)
I62 $$ Other nontraumatic intracranial haemorrhage
@

I63 $$ Cerebral infarction
@ Includes: occlusion and stenosis of cerebral and precerebral arteries, resulting in cerebral infarction

I64 # Stroke, not specified as haemorrhage or infarction
@

I65 $$ Occlusion and stenosis of precerebral arteries not resulting
@ in cerebral infarction

I66 $$ Occlusion and stenosis of cerebral arteries not resulting in
@ cerebral infarction

I67 Other cerebrovascular disease
@
I67.0 @ Dissection of cerebral arteries, nonruptured
I67.1 Cerebral aneurysm, nonruptured
@ Excludes: congenital cerebral aneurysm, nonruptured (Q28.-)
I67.2 @ Cerebral atherosclerosis
I67.3 Progressive vascular leukoencephalopathy
@ Binswanger's disease
I67.4 Hypertensive encephalopathy
I67.5 Moyamoya disease
I67.6 Nonpyogenic thrombosis of intracranial venous system
@ Excludes: when causing infarction (I63.6)
I67.7 Cerebral arteritis, not elsewhere classified
I67.8 @ Other specified cerebrovascular diseases
I67.9 Cerebrovascular disease, unspecified

I68* $$ Cerebrovascular disorders in diseases classified elsewhere

I69 $$ Sequelae of cerebrovascular disease
@

I70-I79 Diseases of arteries, arterioles and capillaries

I70 $$ Atherosclerosis
@

```
I71   $$ Aortic aneurysm and dissection

I72      Other aneurysm
@
I72.0    Aneurysm of carotid artery
I72.1    Aneurysm of artery of upper extremity
I72.2    Aneurysm of renal artery
I72.3    Aneurysm of iliac artery
I72.4    Aneurysm of artery of lower extremity
I72.8    Aneurysm of other specified arteries
I72.9    Aneurysm of unspecified site

I73   $$ Other peripheral vascular diseases
@
I73.0    Raynaud's syndrome
@         Raynaud's: .disease
                    .phenomenon
I73.80   Acrocyanosis
I73.81   Acroparaesthesia
I73.82   Erythrocyanosis
I73.83   Erythromelalgia


I74   $$ Arterial embolism and thrombosis
@

I77   $$ Other disorders of arteries and arterioles
@         Excludes: collagen (vascular) diseases (M30-M36)
I77.6  @ Arteritis, unspecified

I78      Diseases of capillaries
I78.0    Hereditary haemorrhagic telangiectasia
          Rendu-Osler-Weber disease
I78.1    Naevus, non-neoplastic
@         Naevus: .araneus
                  .spider
                  .stellar
I78.8    Other diseases of capillaries
I78.9    Disease of capillaries, unspecified

I79*  $$ Disorders of arteries, arterioles and capillaries in diseases
          classified elsewhere
I79.1* @ Aortitis in diseases classified elsewhere
I79.2*   Peripheral angiopathy in diseases classified elsewhere
          Diabetic peripheral angiopathy (E10-E14+ with common
           fourth character .5)


I80-I89  Diseases of veins, lymphatic vessels and lymph nodes, not
          elsewhere classified

I80   $$ Phlebitis and thrombophlebitis
@         Use additional external cause code (Chapter XX), if
           desired, to identify drug, if drug-induced
          Excludes: phlebitis and thrombophlebitis following infusion,
                     transfusion and therapeutic injection (T80.1)
I80.0    Phlebitis and thrombophlebitis of superficial vessels of
          lower extremities
```

I80.80 Phlebitis and thrombophlebitis of superficial vessels of upper extremities

I81 # Portal vein thrombosis
@

I82 Other venous embolism and thrombosis
@
I82.0 Budd-Chiari syndrome
Hepatic vein occlusion
I82.1 Thrombophlebitis migrans
I82.2 Embolism and thrombosis of vena cava
I82.3 Embolism and thrombosis of renal vein
I82.8 Embolism and thrombosis of other specified veins
I82.9 @ Embolism and thrombosis of unspecified vein

I83 $$ Varicose veins of lower extremities
@

I84 $$ Haemorrhoids
@

I85 Oesophageal varices
I85.0 Oesophageal varices with bleeding
I85.9 Oesophageal varices without bleeding
Oesophageal varices NOS

I86 $$ Varicose veins of other sites
@

I87 $$ Other disorders of veins
I87.1 @ Compression of vein
I87.10 Inferior vena cava syndrome
I87.11 Superior vena cava syndrome

I88 Nonspecific lymphadenitis
@ Excludes: acute lymphadenitis, except mesenteric (L04.-)
enlarged lymph nodes NOS (R59.-)
I88.0 Nonspecific mesenteric lymphadenitis
@ Mesenteric adenitis
I88.1 @ Chronic lymphadenitis, except mesenteric
I88.8 Other nonspecific lymphadenitis
I88.9 @ Nonspecific lymphadenitis, unspecified

I89 Other noninfective disorders of lymphatic vessels and lymph nodes
@ Excludes: hereditary lymphoedema (Q82.0)
I89.0 Lymphoedema, not elsewhere classified
Lymphangiectasis
I89.00 Intestinal lymphangiectasis
I89.08 Other specified lymphoedema, not elsewhere classified
I89.1 Lymphangitis
@ Excludes: acute lymphangitis (L03.-)
I89.8 Other specified noninfective disorders of lymphatic vessels and lymph nodes
Chylocele (nonfilarial)
Lipomelanotic reticulosis

I89.9 @ Noninfective disorder of lymphatic vessels and lymph nodes, unspecified

I95-I99 Other and unspecified disorders of the circulatory system

I95 Hypotension
Excludes: cardiovascular collapse (R57.9)
nonspecific low blood pressure reading NOS (R03.1)
neonatal hypotension (P29.80)
I95.0 Idiopathic hypotension
I95.1 Orthostatic hypotension
@ Postural hypotension
I95.2 Hypotension due to drugs
Use additional external cause code (Chapter XX), if desired, to identify drug
I95.8 @ Other hypotension
I95.9 Hypotension, unspecified

I97 $$ Postprocedural disorders of circulatory system, not elsewhere classified
Excludes: postoperative shock (T81.1)
I97.0 Postcardiotomy syndrome
I97.1 Other functional disturbances following cardiac surgery
Cardiac insufficiency} following cardiac surgery or due
Heart failure } to presence of cardiac prosthesis

I98* Other disorders of circulatory system in diseases classified elsewhere
@
I98.0* Cardiovascular syphilis
@ Cardiovascular syphilis, congenital, late (A50.5+)
I98.1* Cardiovascular disorders in other infectious and parasitic diseases classified elsewhere
@
I98.2* Oesophageal varices in diseases classified elsewhere
@ Oesophageal varices in liver disorders (K70-K71+, K74.-+)
I98.8* Other specified disorders of circulatory system in diseases classified elsewhere

I99 # Other and unspecified disorders of circulatory system

Chapter X, (J00-J99)
Diseases of the respiratory system

Note: When a respiratory condition is described as occurring in more than one site and is not specifically indexed, it should be classified to the lower anatomic site (e.g., tracheobronchitis to bronchitis in J40). However, croup should be classified to acute laryngotracheobronchitis J05.00.

Excludes: certain conditions originating in the perinatal period (P00-P96)
certain infectious and parasitic diseases (A00-B99)
congenital malformations, deformations and chromosomal abnormalities (Q00-Q99)
endocrine, nutritional and metabolic diseases (E00-E90)
injury, poisoning and certain other consequences of external causes (S00-T98)
neoplasms (C00-D48)
symptoms, signs and abnormal clinical and laboratory findings, not elsewhere classified (R00-R99)

This chapter contains the following blocks:

J00-J06	Acute upper respiratory infections
J10-J18	Influenza and pneumonia
J20-J22	Other acute lower respiratory infections
J30-J39	Other diseases of upper respiratory tract
J40-J47	Chronic lower respiratory diseases
J60-J70	Lung diseases due to external agents
J80-J84	Other respiratory diseases principally affecting the interstitium
J85-J86	Suppurative and necrotic conditions of lower respiratory tract
J90-J94	Other diseases of pleura
J95-J99	Other diseases of the respiratory system

Asterisk categories for this chapter are provided as follows:

J17*	Pneumonia in diseases classified elsewhere
J91*	Pleural effusion in conditions classified elsewhere
J99*	Respiratory disorders in diseases classified elsewhere

J00-J06 Acute upper respiratory infections

@ Please note that URTI, not otherwise specified (J06.9) should only be used if it is impossible to allocate a more specific code from J00-J06.

J00 # Acute nasopharyngitis [common cold]

@ Coryza (acute)
Rhinitis: .acute
.infective
Excludes: pharyngitis (J02.-)
other rhinitis (J30-J31)
sore throat (J02.-)

```
J01   $$ Acute sinusitis
@          Use additional code (B95-B97), if desired, to
            identify infectious agent

J02       Acute pharyngitis
@          Includes: acute sore throat
           Excludes: abscesses (J36-,J39-)
                     acute laryngopharyngitis (J06.0)
                     chronic pharyngitis (J31.2)
J02.0     Streptococcal pharyngitis
            Streptococcal sore throat
           Excludes: scarlet fever (A38)
J02.8     Acute pharyngitis due to other specified organisms
@             Use additional code (B95-B97), if desired, to identify
               infectious agent
           Excludes:  pharyngitis  (due to):
                       . enteroviral vesicular (B08.5)
                       . herpesviral [herpes simplex] (B00.2)
                       . infectious mononucleosis (B27.-)
                       . influenza virus (J10-J11)
J02.9     Acute pharyngitis, unspecified
@          Pharyngitis (acute): . gangrenous
                                . ulcerative
           Sore throat (acute) NOS

J03       Acute tonsillitis
           Excludes: peritonsillar abscess (J36)
                     sore throat: .NOS (J02.9)
                                  .acute (J02.-)
                                  .streptococcal (J02.0)
                     tonsillar diphtheria (A36.0)
J03.0     Streptococcal tonsillitis
J03.8     Acute tonsillitis due to other specified organisms
             Use additional code (B95-B97), if desired, to identify
               infectious agent
           Excludes: herpesviral [herpes simplex]
                      pharyngotonsillitis (B00.2)
J03.9     Acute tonsillitis, unspecified
@          Tonsillitis (acute): . follicular
                                . gangrenous
                                . ulcerative

J04       Acute laryngitis and tracheitis
@             Use additional code (B95-B97), if desired, to identify
               infectious agent
            Excludes: acute obstructive laryngitis [croup]
                       and epiglottitis (J05.-)
J04.0     Acute laryngitis
@            Laryngitis (acute): . NOS
                                 . oedematous
                                 . subglottic
                                 . suppurative
                                 . ulcerative
           Excludes: chronic laryngitis (J37.0)
                     influenzal laryngitis (J10-J11)
                     croup (J05.00)
J04.1   @ Acute tracheitis
J04.2   @ Acute laryngotracheitis
```

J05 Acute obstructive laryngitis [croup] and epiglottitis
@ Use additional code (B95-B97), if desired, to identify infectious agent.
J05.0 Acute obstructive laryngitis [croup]
Obstructive laryngitis NOS
J05.00 Acute laryngotracheobronchitis [croup]
J05.01 Recurrent allergic croup
J05.1 Acute epiglottitis
Epiglottitis NOS

J06 Acute upper respiratory infections of multiple and unspecified sites
@ Excludes: acute respiratory infection NOS (J22)
influenza (J10-J11)
J06.0 Acute laryngopharyngitis
J06.8 Other acute upper respiratory infections of multiple sites
J06.9 Acute upper respiratory infection, unspecified
@ Upper respiratory infection NOS
URTI
Viral URTI
[This code to be used only if a more specific code from J00-J06 cannot be identified].

J10-J18 Influenza and pneumonia
Use additional code, if desired, from D80-D89 to indicate any associated immune deficiency.

J10 Influenza due to identified influenza virus
@
J10.0 @ Influenza with pneumonia, influenza virus identified
J10.1 Influenza with other respiratory manifestations, influenza
@ virus identified
J10.8 Influenza with other manifestations, influenza virus
@ identified
Influenza viral encephalopathy

J11 Influenza, virus not identified
@ Includes: influenza or viral influenza, specific virus not stated to have been identified
Excludes: Haemophilus influenzae infection
J11.0 @ Influenza with pneumonia, virus not identified
J11.1 Influenza with other respiratory manifestations, virus not
@ identified
J11.8 @ Influenza with other manifestations, virus not identified

J12 Viral pneumonia, not elsewhere classified
@ Includes: bronchopneumonia due to viruses other than influenza viruses
J12.0 Adenoviral pneumonia
J12.1 Respiratory syncytial virus pneumonia
Excludes: acute bronchiolitis due to respiratory syncytial virus (J21.0)
J12.2 Parainfluenza virus pneumonia
J12.8 Other viral pneumonia
J12.9 Viral pneumonia, unspecified

J13 # Pneumonia due to Streptococcus pneumoniae
Bronchopneumonia due to S. pneumoniae
Excludes: congenital pneumonia due to S. pneumoniae (P23.6)

J14 # Pneumonia due to Haemophilus influenzae
Excludes: congenital pneumonia due to H. influenzae (P23.6)

J15 Bacterial pneumonia, not elsewhere classified
@ Excludes: chlamydial pneumonia (J16.0)
congenital pneumonia (P23.-)
J15.0 Pneumonia due to Klebsiella pneumoniae
J15.1 Pneumonia due to Pseudomonas
J15.2 Pneumonia due to Staphylococcus
J15.3 Pneumonia due to Streptococcus, group B
Excludes: congenital pneumonia due to Streptococcus, group B (P23.3)
J15.4 @ Pneumonia due to other streptococci
J15.5 Pneumonia due to Escherichia coli
J15.6 @ Pneumonia due to other aerobic Gram-negative bacteria
J15.7 Pneumonia due to Mycoplasma pneumoniae
J15.8 Other bacterial pneumonia
J15.9 Bacterial pneumonia, unspecified

J16 $$ Pneumonia due to other infectious organisms, not elsewhere
@ classified
Excludes: ornithosis (A70)
pneumocystosis (B59)
J16.0 Chlamydial pneumonia
Excludes: congenital pneumonia due to Chlamydia (P23.1)

J17* Pneumonia in diseases classified elsewhere
J17.0* @ Pneumonia in bacterial diseases classified elsewhere
J17.1* Pneumonia in viral diseases classified elsewhere
@ Pneumonia in rubella (B06.8+)
J17.10* Pneumonia in measles (B05.2+)
J17.11* Pneumonia in varicella (B01.2+)
Chickenpox pneumonia
J17.13* Pneumonia in cytomegalovirus disease (B25.0+)
J17.18* Pneumonia in other specified viral diseases classified elsewhere
J17.2* @ Pneumonia in mycoses
J17.20* Pneumonia in aspergillosis (B44.0-.1+)
J17.28* Pneumonia in other specified mycoses classified elsewhere
J17.3* @ Pneumonia in parasitic diseases
J17.8* @ Pneumonia in other diseases classified elsewhere

J18 Pneumonia, organism unspecified
@ Excludes: abscess of lung with pneumonia (J85.1)
J18.0 @ Bronchopneumonia, unspecified
J18.1 Lobar pneumonia, unspecified
J18.2 Hypostatic pneumonia, unspecified
J18.8 Other pneumonia, organism unspecified
J18.9 Pneumonia, unspecified

J20-J22 Other acute lower respiratory infections
@ Use additional code, if desired, from D80-D89 to indicate any associated immune deficiency.

J20 $$ Acute bronchitis
@ Includes: bronchitis NOS, in those under 15 years of age
tracheobronchitis, acute
Excludes: bronchitis NOS, in those 15 years of age and above (J40)

J21 Acute bronchiolitis
@ Excludes: bronchiolitis obliterans (J44.80)
J21.0 Acute bronchiolitis due to respiratory syncytial virus
RSV positive bronchiolitis
J21.8 Acute bronchiolitis due to other specified organisms
J21.80 Acute bronchiolitis due to adenovirus
J21.9 @ Acute bronchiolitis, unspecified

J22 # Unspecified acute lower respiratory infection
@ Acute (lower) respiratory (tract) infection NOS
Chest infection NOS
J22.X0 Wheezy bronchitis
Excludes: asthma closely associated with URTI's (J45.-2)
'fat happy wheezer' (J45.--)

J30-J39 Other diseases of upper respiratory tract

J30 Vasomotor and allergic rhinitis
@ Excludes: rhinitis NOS (J31.0)
J30.0 Vasomotor rhinitis
J30.1 Allergic rhinitis due to pollen
@ Hay fever
J30.2 Other seasonal allergic rhinitis
J30.3 Other allergic rhinitis
Perennial allergic rhinitis
J30.4 Allergic rhinitis, unspecified

J31 Chronic rhinitis, nasopharyngitis and pharyngitis
J31.0 Chronic rhinitis
@ Rhinitis NOS
Excludes: rhinitis, allergic (J30.1-J30.4)
J31.1 @ Chronic nasopharyngitis
J31.2 @ Chronic pharyngitis

J32 $$ Chronic sinusitis
@

J33 $$ Nasal polyp
@ Excludes: adenomatous polyps (D14.0)

J34 $$ Other disorders of nose and nasal sinuses
@

J35 Chronic diseases of tonsils and adenoids
For J35.1-.3 the following optional fifth characters may be used:

.....0 with symptoms of obstruction, during sleep
.....1 with symptoms of obstruction, other than solely during sleep
.....2 without symptoms of obstruction

Use also code G47.32 if associated with obstructive sleep apnoea

J35.0 Chronic tonsillitis
@ Excludes: tonsillitis NOS (J03.9)
J35.1 @ Hypertrophy of tonsils
J35.2 @ Hypertrophy of adenoids
J35.3 Hypertrophy of tonsils with hypertrophy of adenoids
J35.8 @ Other chronic diseases of tonsils and adenoids
J35.9 @ Chronic disease of tonsils and adenoids, unspecified

J36 # Peritonsillar abscess
@ Quinsy
Use additional code (B95-B97), if desired, to identify infectious agent
Excludes: retropharyngeal abscess (J39.0)

J37 Chronic laryngitis and laryngotracheitis
@ Use additional code (B95-B97), if desired, to identify infectious agent.
J37.0 @ Chronic laryngitis
J37.1 @ Chronic laryngotracheitis

J38 $$ Diseases of vocal cords and larynx, not elsewhere classified
@
J38.0 @ Paralysis of vocal cords or larynx
(Recurrent) laryngeal nerve palsy
Excludes: due to trauma (S04.8)
J38.00 Unilateral vocal cord paralysis
J38.01 Bilateral vocal cord paralysis
J38.4 Oedema of larynx
@ Post-extubation stridor
Excludes: laryngitis: . acute obstructive [croup] (J05.0)
. oedematous (J04.0)
J38.6 Stenosis of larynx
Excludes: congenital subglottic stenosis (Q31.1)
acquired subglottic stenosis in newborn (P28.81)
J38.60 Post-intubation stenosis of larynx
J38.68 Other stenosis of larynx

J39 $$ Other diseases of upper respiratory tract
@
J39.0 Retropharyngeal and parapharyngeal abscess
@ Excludes: peritonsillar abscess (J36)

J40-J47 Chronic lower respiratory diseases
Excludes: cystic fibrosis (E84.-)

J40 # Bronchitis, not specified as acute or chronic
@ Note: This category can only be used for patients over 15 years of age. Bronchitis not specified as acute or chronic in those under 15 years of age can be assumed to be of acute nature and should be classified to J20.-.

J41 $$ Simple and mucopurulent chronic bronchitis
@

J42 # Unspecified chronic bronchitis
@

J43 $$ Emphysema
@ Excludes: emphysema: .interstitial (J98.2)
.neonatal interstitial (P25.0)
.congenital lobar (P25.00)
.surgical (subcutaneous) (T81.8)
J43.0 MacLeod's syndrome
@ Unilateral emphysema
J43.1 Panlobular emphysema
Panacinar emphysema
See also Alpha-1-antitrypsin deficiency (E88.0) if appropriate

J44 $$ Other chronic obstructive pulmonary disease
@
J44.80 Bronchiolitis obliterans

J45 Asthma
@ Includes: acute asthmatic attack: .mild
.moderate
.unspecified
fat happy wheezer
Excludes: eosinophilic asthma (J82)
acute severe asthma/status asthmaticus (J46)
wheezy bronchitis (J22.X0)

For J45.0-J45.9 the following optional BPA fifth character extensions may be used:
.....0 exercise induced
.....1 with marked nocturnal symptoms
.....2 closely associated with URTIs
.....3 associated with known food allergen
.....4 associated with other known allergen
.....5 with no known precipitants

Where there are multiple associated factors, that related to the current active problem should be used.

J45.0 Predominantly allergic asthma
@ Atopic asthma
Extrinsic allergic asthma
Hay fever with asthma

J45.1 Nonallergic asthma
@ Intrinsic nonallergic asthma
J45.8 Mixed asthma
Combination of J45.0 and J45.1
Post-bronchiolitic asthma
J45.9 @ Asthma, unspecified

J46 # Status asthmaticus
Acute severe asthma
J46.X0 Acute severe asthma, warranting inhaled and/or oral treatment only
J46.X1 Acute severe asthma, warranting intravenous treatment
J46.X2 Acute severe asthma, warranting assisted ventilation

J47 # Bronchiectasis
@ Excludes: congenital bronchiectasis (Q33.4)

J60-J70 $ Lung diseases due to external agents
@

J67 $$ Hypersensitivity pneumonitis due to organic dust
@ Includes: allergic alveolitis and pneumonitis due to inhaled organic dust and particles of fungal, actinomycetic or other origin
J67.9 Hypersensitivity pneumonitis due to unspecified organic dust
Allergic alveolitis (extrinsic) NOS
Hypersensitivity pneumonitis NOS

J69 Pneumonitis due to solids and liquids
Use additional external cause code (Chapter XX), if desired, to identify cause
Excludes: neonatal aspiration syndromes (P24.-)
J69.0 Pneumonitis due to food or vomit
@ Aspiration pneumonia
Recurrent pneumonitis secondary to gastro-oesophageal reflux
J69.1 Pneumonitis due to oils and essences
Lipoid [lipid] pneumonia
J69.8 @ Pneumonitis due to other solids and liquids

J70 Respiratory conditions due to other external agents
Use additional external cause code (Chapter XX), if desired, to identify cause.
J70.0 Acute pulmonary radiation manifestations due to radiation
Radiation pneumonitis
J70.1 Chronic and other pulmonary manifestations due to radiation
Fibrosis of lung following radiation
J70.2 Acute drug-induced interstitial lung disorders
J70.3 Chronic drug-induced interstitial lung disorders
J70.4 Drug-induced interstitial lung disorders, unspecified
J70.8 Respiratory conditions due to other specified external agents
Respiratory conditions due to air pollution
J70.9 Respiratory conditions due to unspecified external agent

J80-J84 Other respiratory diseases principally affecting the interstitium

J80 # Adult respiratory distress syndrome
@

J81 # Pulmonary oedema
@ Acute oedema of lung
Excludes: pulmonary oedema with mention of heart disease NOS or heart failure (I50.1)

J82 # Pulmonary eosinophilia, not elsewhere classified
@ Excludes: due to aspergillosis (B44.-)

J84 $$ Other interstitial pulmonary disease
@ Excludes: lymphoid interstitial pneumonitis resulting from human immunodeficiency virus [HIV] disease (B22.1)
J84.0 Alveolar and parietoalveolar conditions
Excludes: pulmonary haemosiderosis (E83.1+, J99.80*)
J84.00 Alveolar proteinosis
J84.01 Pulmonary alveolar microlithiasis
J84.08 Other specified alveolar and parietoalveolar conditions
J84.1 @ Other interstitial pulmonary diseases with fibrosis
J84.10 Fibrosing alveolitis (cryptogenic)
J84.11 Idiopathic pulmonary fibrosis
Hamman-Rich syndrome

J85-J86 Suppurative and necrotic conditions of lower respiratory tract

J85 Abscess of lung and mediastinum
J85.0 Gangrene and necrosis of lung
J85.1 Abscess of lung with pneumonia
Excludes: with pneumonia due to specified organism (J10-J16)
J85.2 Abscess of lung without pneumonia
Abscess of lung NOS
J85.3 Abscess of mediastinum

J86 Pyothorax
@ Includes: empyema
Excludes: due to tuberculosis (A15-A16)
J86.0 Pyothorax with fistula
J86.9 Pyothorax without fistula

J90-J94 Other diseases of pleura

J90 # Pleural effusion, not elsewhere classified
Pleurisy with effusion
Excludes: chylous (pleural) effusion (J94.0)
pleurisy NOS (R09.1)
tuberculous (A15-A16)

J91* # Pleural effusion in conditions classified elsewhere

J92 $$ Pleural plaque
@

J93 Pneumothorax
@ Excludes: pneumothorax: .congenital or perinatal (P25.1)
.traumatic (S27.0)
interstitial emphysema: (J98.2)
.neonatal (P25.0)

For J93.0-J93.9 the following optional BPA fifth character extensions may be used if desired:
..... 0 unilateral
..... 1 bilateral

J93.0 Spontaneous tension pneumothorax
J93.1 Other spontaneous pneumothorax
J93.8 Other pneumothorax
Iatrogenic pneumothorax
Secondary to other respiratory conditions
J93.9 Pneumothorax, unspecified

J94 Other pleural conditions
@ Excludes: pleurisy NOS (R09.1)
J94.0 Chylous effusion
@ Chylothorax
J94.1 Fibrothorax
J94.2 Haemothorax
Haemopneumothorax
J94.8 Other specified pleural conditions
Hydrothorax
J94.9 Pleural condition, unspecified

J95-J99 Other diseases of the respiratory system

J95 $$ Postprocedural respiratory disorders, not elsewhere
@ classified
Excludes: adult respiratory distress syndrome (J80)
J95.0 @ Tracheostomy malfunction
J95.5 Postprocedural subglottic stenosis
Excludes: post-intubation subglottic stenosis in newborn (P28.81)

J96 $$ Respiratory failure, not elsewhere classified
@ Excludes: cardiorespiratory failure (R09.2)

J98 $$ Other respiratory disorders
Excludes: apnoea (of): . NOS (R06.8)
. newborn (NOS) (P28.4)
. sleep (G47.3)
. newborn, primary sleep (P28.3)
. prematurity (P28.40)
J98.0 @ Diseases of bronchus, not elsewhere classified
J98.1 Pulmonary collapse
@ Atelectasis
Collapse of lung
Excludes: atelectasis of newborn (P28.0-P28.1)
J98.2 Interstitial emphysema
@ Mediastinal emphysema [pneumomediastinum]
Excludes: emphysema in fetus and newborn (P25.-)
J98.3 Compensatory emphysema
J98.4 @ Other disorders of lung

J98.5 Diseases of mediastinum, not elsewhere classified
@ Mediastinitis
Excludes: abscess of mediastinum (J85.3)
J98.6 Disorders of diaphragm
Excludes: congenital malformation of diaphragm (Q79.-)
diaphragmatic hernia (not congenital) (K44.-)
J98.60 Paralysis of diaphragm
J98.80 Ciliary dyskinesia syndromes
(Immotile cilia syndrome)
Excludes: Kartagener's syndrome (Q89.34)
J98.9 Respiratory disorder, unspecified

J99* Respiratory disorders in diseases classified elsewhere
J99.0* Rheumatoid lung disease (M05.1+)
J99.1* Respiratory disorders in other diffuse connective tissue
@ disorders
J99.8* Respiratory disorders in other diseases classified elsewhere
@ Lung involvement in Crohn's disease (K50.-+)
J99.80* Pulmonary haemosiderosis (E83.1+)

Chapter XI, K00-K93

Diseases of the digestive system

Excludes: certain conditions originating in the perinatal period
@ (P00-P96)
certain infectious and parasitic diseases (A00-B99)
congenital malformations, deformations and chromosomal abnormalities (Q00-Q99)
endocrine, nutritional and metabolic diseases (E00-E90)
injury, poisoning and certain other consequences of external causes (S00-T98)
neoplasms (C00-D48)
symptoms, signs and abnormal clinical and laboratory findings, not elsewhere classified (R00-R99)

This chapter contains the following blocks:

K00-K14	Diseases of oral cavity, salivary glands and jaws
K20-K31	Diseases of oesophagus, stomach and duodenum
K35-K38	Diseases of appendix
K40-K46	Hernia
K50-K52	Noninfective enteritis and colitis
K55-K63	Other diseases of intestines
K65-K67	Diseases of peritoneum
K70-K77	Diseases of liver
K80-K87	Disorders of gallbladder, biliary tract and pancreas
K90-K93	Other diseases of the digestive system

Asterisk categories for this chapter are provided as follows:

K23*	Disorders of oesophagus in diseases classified elsewhere
K67*	Disorders of peritoneum in infectious diseases classified elsewhere
K77*	Liver disorders in diseases classified elsewhere
K87*	Disorders of gallbladder, biliary tract and pancreas in diseases classified elsewhere

K00-K14 Diseases of oral cavity, salivary glands and jaws

K00 Disorders of tooth development and eruption
Excludes: embedded and impacted teeth (K01.-)

K00.0 @ Anodontia
K00.1 @ Supernumerary teeth
K00.2 @ Abnormalities of size and form of teeth
K00.3 @ Mottled teeth
K00.4 @ Disturbances in tooth formation
K00.5 Hereditary disturbances in tooth structure, not elsewhere
@ classified
K00.6 Disturbances in tooth eruption
@ Natal or neonatal tooth
Dentia praecox
Premature: . eruption of tooth,
. shedding of primary [deciduous] tooth
Retained [persistent] primary tooth
K00.7 Teething syndrome

```
K00.8    Other disorders of tooth development
@         Colour changes during tooth formation, includes that due to
           tetracyclines
K00.9  @ Disorder of tooth development, unspecified

K01    $$ Embedded and impacted teeth
@         Embedded and impacted wisdom teeth

K02    $$ Dental caries

K03    $$ Other diseases of hard tissues of teeth
@         Excludes: bruxism (F45.8)
K03.2    Erosion of teeth
@         Erosion of teeth due to: .diet
                                   .drugs and medicaments
                                   .persistent vomiting

K04    $$ Diseases of pulp and periapical tissues
K04.7    Periapical abscess without sinus
          Dental         )
          Dentoalveolar } abscess NOS
          Periapical     }

K05    $$ Gingival and periodontal diseases
K05.0    Acute gingivitis
@         Excludes: herpesviral [herpes simplex] gingivostomatitis
                    (B00.2)

K06    $$ Other disorders of gingiva and edentulous alveolar ridge
@
K06.1    Gingival enlargement
@         Gingival hyperplasia: .NOS
                                .due to anticonvulsants
K06.80   Gingival haemorrhage
          Bleeding gums

K07    $$ Dentofacial anomalies [including malocclusion]
@
K07.0    Major anomalies of jaw size
@         Macrognathism
            Excludes: acromegaly (E22.0)
                      Robin's syndrome (Q87.0)
K07.00   Micrognathism
K07.1    Anomalies of jaw-cranial base relationship
          Asymmetry of jaw
          Prognathism
          Retrognathism
K07.3    Anomalies of tooth position
@         Impacted or embedded teeth with abnormal position of such
           teeth or adjacent teeth
          Excludes: embedded and impacted teeth without abnormal
                     position (K01.-)
K07.4    Malocclusion, unspecified

K08    $$ Other disorders of teeth and supporting structures
K08.1    Loss of teeth due to accident, extraction or local
          periodontal disease
K08.80   Toothache NOS
```

K09 $$ Cysts of oral region, not elsewhere classified
@
K09.80 Epstein's pearl

K10 $$ Other diseases of jaws
K10.2 Inflammatory conditions of jaws
@ Osteomyelitis (neonatal) of jaw (acute) (chronic) (suppurative)
K10.80 Cherubism

K11 $$ Diseases of salivary glands
K11.2 Sialoadenitis
Excludes: epidemic parotitis [mumps](B26.-)
uveoparotid fever [Heerfordt] (D86.8)
K11.3 Abscess of salivary gland
K11.5 @ Sialolithiasis
K11.6 Mucocele of salivary gland
@ Ranula
K11.7 Disturbances of salivary secretion
@ Xerostomia
Excludes: dry mouth NOS (R68.2)
sicca syndrome [Sjögren] (M35.0)

K12 Stomatitis and related lesions
@ Excludes: cancrum oris (A69.0)
cheilitis (K13.0)
herpesviral [herpes simplex] gingivostomatitis (B00.2)
K12.0 Recurrent oral aphthae
@ Aphthous stomatitis (major)(minor)
Recurrent aphthous ulcer
Stomatitis herpetiformis
K12.1 Other forms of stomatitis
@ Stomatitis: . NOS
. ulcerative
. vesicular
K12.2 Cellulitis and abscess of mouth
Cellulitis of mouth (floor)
Submandibular abscess
Excludes: abscess (of): . periapical (K04.6-K04.7)
. periodontal (K05.2)
. peritonsillar (J36)
. salivary gland (K11.3)
. tongue (K14.0)

K13 $$ Other diseases of lip and oral mucosa
@ Excludes: cysts of oral region (K09.-)
stomatitis and related lesions (K12.-)
K13.0 Diseases of lips
@ Cheilitis: . NOS
. angular
Excludes: candidal cheilitis (B37.8)
ariboflavinosis (E53.0)
K13.1 Cheek and lip biting
K13.2 Leukoplakia and other disturbances of oral epithelium,
@ including tongue
K13.3 Hairy leukoplakia

K13.4 Granuloma and granuloma-like lesions of oral mucosa
@ Eosinophilic granuloma of oral mucosa
K13.40 Oro-facial granulomatosis
Use extra code, (K50.-), to indicate Oro-facial granulomatosis in Crohn's disease, if desired.

K14 $$ Diseases of tongue
@ Excludes: macroglossia (congenital) (Q38.2)
K14.0 Glossitis
@ Abscess
Ulceration (traumatic)) of tongue
K14.1 Geographic tongue
@ Benign migratory glossitis
K14.2 Median rhomboid glossitis
K14.3 Hypertrophy of tongue papillae
@ Coated tongue
Black hairy tongue
K14.4 Atrophy of tongue papillae
Atrophic glossitis
K14.5 Plicated tongue
Fissured)
Furrowed) tongue
Scrotal)
Excludes: fissured tongue, congenital (Q38.3)

K20-K31 Diseases of oesophagus, stomach and duodenum
Excludes: hiatus hernia (K44.-)

K20 # Oesophagitis
Abscess of oesophagus
Oesophagitis: . NOS
. chemical
. peptic
. infective
Use additional external cause code (Chapter XX), if desired, to identify cause.
Excludes: erosion of oesophagus (K22.1)
reflux oesophagitis (K21.0)
with gastro-oesophageal reflux disease (K21.0)

K21 Gastro-oesophageal reflux disease
K21.0 Gastro-oesophageal reflux disease with oesophagitis
Reflux oesophagitis
K21.9 Gastro-oesophageal reflux disease without oesophagitis
Oesophageal reflux NOS

K22 Other diseases of oesophagus
Excludes: oesophageal varices (I85.-)
K22.0 Achalasia of cardia
@ Cardiospasm
Excludes: congenital cardiospasm (Q39.50)

K22.1 Ulcer of oesophagus
Erosion of oesophagus
Ulcer of oesophagus:
. NOS
. due to ingestion of: .chemicals
.drugs and medicaments
. fungal
. peptic
Use additional external cause code (Chapter XX), if desired, to identify cause.

K22.2 Oesophageal obstruction
@ Excludes: congenital stenosis or stricture of oesophagus (Q39.3)
foreign body in oesophagus (T18.1)

K22.3 Perforation of oesophagus
@ Excludes: traumatic perforation of oesophagus (S27.8)

K22.4 Dyskinesia of oesophagus
@ Excludes: cardiospasm (K22.0)
congenital oesophageal dysmotility (Q39.81)

K22.5 Diverticulum of oesophagus, acquired
@ Excludes: diverticulum of oesophagus (congenital) (Q39.6)

K22.6 Gastro-oesophageal laceration-haemorrhage syndrome
Mallory-Weiss syndrome

K22.8 Other specified diseases of oesophagus
@ Excludes: congenital palato-oesophageal incoordination [Naso-pharyngeal dysmotility] (Q38.80)

K22.9 Disease of oesophagus, unspecified

K23* $$ Disorders of oesophagus in diseases classified elsewhere

The following fourth-character subdivisions are for use with categories K25-K28:

.0 Acute with haemorrhage
.1 Acute with perforation
.2 Acute with both haemorrhage and perforation
.3 Acute without haemorrhage or perforation
.4 Chronic or unspecified with haemorrhage
.5 Chronic or unspecified with perforation
.6 Chronic or unspecified with both haemorrhage and perforation
.7 Chronic without haemorrhage or perforation
.9 Unspecified as acute or chronic, without haemorrhage or perforation

K25 Gastric ulcer
@ [See page ??? for subdivisions]
Includes: erosion (acute) of stomach
Use additional external cause code (Chapter XX), if desired, to identify drug, if drug-induced
Excludes: acute haemorrhagic erosive gastritis (K29.0)

K26 Duodenal ulcer
@ [See page ??? for fourth-character subdivisions]
The following optional fifth character BPA extensions may be used if desired with categories K26.-:
.0 Associated with Helicobacter pylori
.1 Not associated with Helicobacter pylori
.9 Association with Helicobacter pylori, NOS

Includes: erosion (acute) of duodenum
Use additional external cause code (Chapter XX), if desired, to identify drug, if drug-induced.

K27 Peptic ulcer, site unspecified
@ [See page ??? for subdivisions]
Excludes: peptic ulcer of newborn (P78.8)

K28 Gastrojejunal ulcer
@ [See page ??? for subdivisions]
Includes: ulcer (peptic) or erosion: . anastomotic
. gastrocolic
. gastrointestinal
. gastrojejunal
. jejunal
. marginal
. stomal
Excludes: primary ulcer of small intestine (K63.3)

K29 $$ Gastritis and duodenitis
The following optional fifth character subdivisions may be used if desired with categories K29.-:
.....0 Associated with Helicobacter pylori
.....1 Not associated with Helicobacter pylori
.....9 Association with Helicobacter pylori, NOS

K29.0 Acute haemorrhagic gastritis
@ Excludes: erosion (acute) of stomach (K25.-)
K29.1 Other acute gastritis
K29.2 Alcoholic gastritis
K29.3 Chronic superficial gastritis
K29.4 @ Chronic atrophic gastritis
K29.5 @ Chronic gastritis, unspecified
K29.6 Other gastritis
Giant hypertrophic gastritis
Granulomatous gastritis
Ménétrier's disease
K29.7 Gastritis, unspecified
K29.8 Duodenitis
K29.9 Gastroduodenitis, unspecified

K30 @ Dyspepsia
@ Indigestion
Excludes: heartburn (R12)

K31 $$ Other diseases of stomach and duodenum
@ Excludes: gastrointestinal haemorrhage (K92.0-K92.2)
K31.0 @ Acute dilatation of stomach
K31.3 Pylorospasm, not elsewhere classified
@ Excludes: pylorospasm, congenital or infantile (Q40.0)

K31.5 Obstruction of duodenum
@ Excludes: congenital absence, atresia and stenosis of duodenum (Q41.0)
K31.6 @ Fistula of stomach and duodenum
K31.80 Achlorhydria

K35-K38 $ Diseases of appendix

K35 Acute appendicitis
K35.0 Acute appendicitis with generalised peritonitis
@ Appendicitis (acute) with perforation
K35.1 Acute appendicitis with peritoneal abscess
Appendix abscess
K35.9 Acute appendicitis, unspecified
@ Acute appendicitis without: . perforation
. peritoneal abscess
. peritonitis

K38 $$ Other diseases of appendix
K38.80 Intussusception of appendix

K40-K46 $ Hernia
@ Note: Hernia with both gangrene and obstruction is classified to hernia with gangrene.
Includes: hernia:
. acquired
. congenital [except diaphragmatic or hiatus]

K40 Inguinal hernia
@ Includes: inguinal hernia: . NOS
. direct
. indirect
scrotal hernia
K40.0 Bilateral inguinal hernia, with obstruction, without gangrene
K40.1 Bilateral inguinal hernia, with gangrene
K40.2 Bilateral inguinal hernia, without obstruction or gangrene
Bilateral inguinal hernia NOS
K40.3 Unilateral or unspecified inguinal hernia, with obstruction,
@ without gangrene
Inguinal hernia (unilateral):
. incarcerated)
. irreducible) without gangrene
. strangulated)
K40.4 Unilateral or unspecified inguinal hernia, with gangrene
Inguinal hernia NOS with gangrene
K40.9 Unilateral or unspecified inguinal hernia, without obstruction or gangrene
Inguinal hernia (unilateral) NOS

K41 $$ Femoral hernia

K42 $$ Umbilical hernia
Includes: paraumbilical hernia
Excludes: omphalocele (Q79.2)
supraumbilical hernia (K43.-)
K42.00 Umbilical hernia causing obstruction, without gangrene

K42.01 Paraumbilical hernia causing obstruction, without gangrene
K42.10 Umbilical hernia with associated gangrene
K42.11 Paraumbilical hernia with associated gangrene
K42.90 Umbilical hernia without associated obstruction or gangrene
Umbilical hernia NOS
K42.91 Paraumbilical hernia without associated obstruction or gangrene
Paraumbilical hernia NOS

K43 Ventral hernia
Includes: hernia: . epigastric
. incisional
K43.0 @ Ventral hernia with obstruction, without gangrene
K43.00 Epigastric hernia with obstruction, without gangrene
K43.01 Incisional hernia with obstruction, without gangrene
K43.1 @ Ventral hernia with gangrene
K43.10 Epigastric hernia with gangrene
K43.11 Incisional hernia with gangrene
K43.9 Ventral hernia without obstruction or gangrene
Ventral hernia NOS
K43.90 Epigastric hernia without obstruction or gangrene
K43.91 Incisional hernia without obstruction or gangrene

K44 $$ Diaphragmatic hernia
Includes: hiatus hernia (oesophageal)(sliding)
paraoesophageal hernia
Excludes: congenital hernia: . diaphragmatic (Q79.0)
. hiatus (Q40.1)

K45 $$ Other abdominal hernia
@

K50-K52 Noninfective enteritis and colitis
Includes: noninfective inflammatory bowel disease
Excludes: irritable bowel syndrome (K58.-)
megacolon (K59.3)

K50 Crohn's disease [regional enteritis]
@
K50.0 Crohn's disease of small intestine
@ Ileitis: . regional
. terminal
Excludes: with Crohn's disease of large intestine (K50.8)
K50.1 Crohn's disease of large intestine
@ Colitis: .granulomatous
.regional
Excludes: with Crohn's disease of small intestine (K50.8)
K50.8 Other Crohn's disease
Crohn's disease of: . both small and large intestine
. mouth
. perianal area
K50.9 Crohn's disease, unspecified
@ Regional enteritis NOS

K51 $$ Ulcerative colitis
K51.0 Ulcerative (chronic) enterocolitis
K51.1 Ulcerative (chronic) ileocolitis

K51.2 Ulcerative (chronic) proctitis
K51.3 Ulcerative (chronic) rectosigmoiditis
K51.4 Pseudopolyposis of colon
K51.9 @ Ulcerative colitis, unspecified

K52 Other noninfective gastroenteritis and colitis
K52.0 Gastroenteritis and colitis due to radiation
K52.1 Toxic gastroenteritis and colitis
Use additional external cause code (Chapter XX), if desired, to identify toxic agent.
K52.2 Allergic and dietetic gastroenteritis and colitis
Food hypersensitivity gastroenteritis or colitis
K52.8 Other specified noninfective gastroenteritis and colitis
Eosinophilic: .gastritis
.gastroenteritis
.gastroenteropathy
Colitis in Behçet's disease (M35.2+)
K52.9 Noninfective gastroenteritis and colitis, unspecified
@ Diarrhoea } NOS in countries where the conditions
Enteritis } can be presumed to be of
Ileitis } noninfectious origin
Excludes: colitis } NOS in countries where the
diarrhoea } condition can be presumed to be
enteritis } of infectious origin (A09)
gastroenteritis }
functional diarrhoea (K59.1)
neonatal diarrhoea (noninfective) (P78.3)
K52.90 Protracted diarrhoea, unspecified
Chronic diarrhoea, NOS

K55-K63 Other diseases of intestines

K55 Vascular disorders of intestine
Excludes: necrotising enterocolitis of fetus or newborn (P77)
K55.0 Acute vascular disorders of intestine
@ Acute: . fulminant ischaemic colitis
. intestinal infarction
. small intestine ischaemia
K55.1 Chronic vascular disorders of intestine
@ Ischaemic stricture of intestine
K55.2 Angiodysplasia of colon
K55.8 Other vascular disorders of intestine
K55.9 Vascular disorder of intestine, unspecified
Ischaemic: . colitis }
. enteritis } NOS
. enterocolitis }

K56 Paralytic ileus and intestinal obstruction without hernia
@ Excludes: congenital stricture or stenosis of intestine (Q41-Q42)
ischaemic stricture of intestine (K55.1)
meconium ileus (E84.1)
neonatal intestinal obstructions classifiable to P76.-
obstruction of duodenum (K31.5)
postoperative intestinal obstruction (K91.3)

K56.0 @ Paralytic ileus
K56.1 Intussusception
@ Excludes: intussusception of appendix (K38.8)
K56.2 @ Volvulus
K56.3 @ Gallstone ileus
K56.4 Other impaction of intestine
Enterolith
Impaction (of): .colon
.faecal
K56.5 Intestinal adhesions [bands] with obstruction
Peritoneal adhesions [bands] with intestinal obstruction
K56.6 Other and unspecified intestinal obstruction
@ Obstructive ileus NOS
Excludes: meconium ileus equivalent [distal intestinal obstruction syndrome] (E84.11)
K56.7 Ileus, unspecified

K57 $$ Diverticular disease of intestine
@ Excludes: congenital diverticulum of intestine (Q43.8)
diverticulum of appendix (K38.2)
Meckel's diverticulum (Q43.0)

K58 $$ Irritable bowel syndrome
Includes: irritable colon
Note: The BPA distinguishes between irritable bowel syndrome variant of childhood with diarrhoea, (K58.00), and toddler diarrhoea, (K58.01). The International Nomenclature of Diseases considers these conditions synonymous.
K58.00 Irritable bowel syndrome variant of childhood with diarrhoea
K58.01 Toddler diarrhoea
K58.90 Irritable bowel syndrome variant of childhood with constipation

K59 Other functional intestinal disorders
@ Excludes: change in bowel habit NOS (R19.4)
functional disorders of stomach (K31.-)
oesophageal dysmotility (K22.00)
K59.0 Constipation
K59.00 Simple constipation
K59.01 Constipation with overflow faecal incontinence
K59.1 Functional diarrhoea
K59.2 Neurogenic bowel, not elsewhere classified
K59.3 Megacolon, not elsewhere classified
@ Dilatation of colon
Toxic megacolon
Use additional external cause code (Chapter XX), if desired, to identify toxic agent
Excludes: megacolon (in): . Chagas' disease (B57.3)
. congenital (aganglionic) (Q43.1)
. Hirschsprung's disease (Q43.1)
K59.4 Anal spasm
Proctalgia fugax
K59.8 @ Other specified functional intestinal disorders
K59.9 Functional intestinal disorder, unspecified

K60 Fissure and fistula of anal and rectal regions
Excludes: with abscess or cellulitis (K61.-)

K60.0 Acute anal fissure
K60.1 Chronic anal fissure
K60.2 Anal fissure, unspecified
K60.3 Anal fistula
K60.4 @ Rectal fistula
K60.5 Anorectal fistula

K61 Abscess of anal and rectal regions
@
K61.0 Anal abscess
@ Perianal abscess
K61.1 Rectal abscess
@ Perirectal abscess
K61.2 Anorectal abscess
K61.3 @ Ischiorectal abscess
K61.4 Intrasphincteric abscess

K62 $$ Other diseases of anus and rectum
@ Excludes: haemorrhoids (I84.-)
K62.0 Anal polyp
K62.1 Rectal polyp
Excludes: adenomatous polyp (D12.8)
K62.3 @ Rectal prolapse
K62.4 Stenosis of anus and rectum
Stricture of anus (sphincter)
K62.5 Haemorrhage of anus and rectum
Rectal bleeding, NOS
Excludes: neonatal rectal haemorrhage (P54.2)
K62.6 Ulcer of anus and rectum
@ Excludes: fissure and fistula of anus and rectum (K60.-)
in ulcerative colitis (K51.-)
K62.7 Radiation proctitis

K63 $$ Other diseases of intestine
K63.0 @ Abscess of intestine
K63.1 @ Perforation of intestine (nontraumatic)
K63.2 Fistula of intestine
@ Excludes: fistula (of): . anal and rectal regions (K60.-)
. appendix (K38.3)
. duodenum (K31.6)
K63.3 Ulcer of intestine
@ Excludes: ulcerative colitis (K51.-)
K63.80 Nodular lymphoid hyperplasia of intestines
Nodular lymphoid hyperplasia (of): .small intestine
.large intestine
.NOS

K65-K67 Diseases of peritoneum

K65 Peritonitis
@ Excludes: peritonitis: . aseptic (T81.6)
. neonatal (P78.0-P78.1)
. with or following appendicitis
(K35.-)

K65.0 Acute peritonitis
@ Abscess of peritoneum and peritoneal cavity
Use additional code (B95-B97), if desired, to identify infectious agent.
K65.8 Other peritonitis
Chronic proliferative peritonitis
Mesenteric: . fat necrosis
. saponification
Peritonitis due to: .bile
.urine
K65.9 Peritonitis, unspecified

K66 Other disorders of peritoneum
@
K66.0 Peritoneal adhesions
@ Adhesive bands
Excludes: adhesions [bands] with intestinal obstruction (K56.5)
K66.1 Haemoperitoneum
Excludes: traumatic haemoperitoneum (S36.8)
K66.8 Other specified disorders of peritoneum
K66.9 Disorder of peritoneum, unspecified

K67* $$ Disorders of peritoneum in infectious diseases elsewhere classified

K70-K77 $ Diseases of liver
Excludes: haemochromatosis (E83.1)
jaundice NOS (R17)
Reye's syndrome (G93.7)
viral hepatitis (B15-B19)
Wilson's disease (E83.0)

K71 Toxic liver disease
@ Includes: drug-induced:
. idiosyncratic (unpredictable) liver disease
. toxic (predictable) liver disease
Use additional external cause code (Chapter XX), if desired, to identify toxic agent.
[Use Y57.80 for total parenteral nutrition]
K71.0 @ Toxic liver disease with cholestasis
K71.1 Toxic liver disease with hepatic necrosis
Hepatic failure (acute)(chronic) due to drugs
K71.2 Toxic liver disease with acute hepatitis
K71.3 Toxic liver disease with chronic persistent hepatitis
K71.4 Toxic liver disease with chronic lobular hepatitis
K71.5 @ Toxic liver disease with chronic active hepatitis
K71.6 Toxic liver disease with hepatitis, not elsewhere classified
K71.7 Toxic liver disease with fibrosis and cirrhosis of liver
K71.8 @ Toxic liver disease with other disorders of liver
K71.80 Toxic liver disease with veno-occlusive disease of the liver
K71.9 Toxic liver disease, unspecified

```
K72      Hepatic failure, not elsewhere classified
@         Includes: hepatic: . coma NOS
                            . encephalopathy NOS
                  hepatitis: . acute     )
                             . fulminant ) NEC, with hepatic failure
                             . malignant )
          Excludes: viral hepatitis (B15-B19)
K72.0    Acute and subacute hepatic failure
K72.1    Chronic hepatic failure
K72.9    Hepatic failure, unspecified

K73      Chronic hepatitis, not elsewhere classified
@         Excludes: hepatitis (chronic): . drug-induced (K71.-)
                                         . viral (B15-B19)
K73.0    Chronic persistent hepatitis, not elsewhere classified
K73.1    Chronic lobular hepatitis, not elsewhere classified
K73.2  @ Chronic active hepatitis, not elsewhere classified
K73.8    Other chronic hepatitis, not elsewhere classified
K73.9    Chronic hepatitis, unspecified

K74      Fibrosis and cirrhosis of liver
@         Excludes: congenital cirrhosis of liver (P78.8)
                    with toxic liver disease (K71.7)
K74.0    Hepatic fibrosis
K74.1    Hepatic sclerosis
K74.2    Hepatic fibrosis with hepatic sclerosis
K74.3  @ Primary biliary cirrhosis
K74.4    Secondary biliary cirrhosis
K74.5    Biliary cirrhosis, unspecified
K74.6  @ Other and unspecified cirrhosis of liver
K74.60   Indian childhood cirrhosis

K75      Other inflammatory liver diseases
@
K75.0    Abscess of liver
@         Excludes: amoebic liver abscess (A06.4)
K75.1  @ Phlebitis of portal vein
K75.2    Nonspecific reactive hepatitis
K75.3    Granulomatous hepatitis, not elsewhere classified
K75.8    Other specified inflammatory liver diseases
K75.9    Inflammatory liver disease, unspecified
          Hepatitis NOS

K76   $$ Other diseases of liver
@
K76.0    Fatty (change of) liver, not elsewhere classified
K76.1    Chronic passive congestion of liver
          Cardiac: . cirrhosis (so-called) )
                   . sclerosis ) of liver
K76.2  $ Central haemorrhagic necrosis of liver
K76.3    Infarction of liver
K76.5    Hepatic veno-occlusive disease
          Excludes: Budd-Chiari syndrome (I82.0)
K76.6    Portal hypertension
K76.7  @ Hepatorenal syndrome
K76.80   Benign recurrent intrahepatic cholestasis
```

K76.81 Progressive intrahepatic cholestasis
Familial intrahepatic cholestasis
Byler's disease

K77* Liver disorders in diseases classified elsewhere
K77.0* Liver disorders in infectious and parasitic diseases
@ classified elsewhere
K77.8* @ Liver disorders in other diseases classified elsewhere

K80-K87 Disorders of gallbladder, biliary tract and pancreas

K80 $$ Cholelithiasis

K81 $$ Cholecystitis
Excludes: with cholelithiasis (K80.-)
K81.0 @ Acute cholecystitis

K82 $$ Other diseases of gallbladder
@

K83 $$ Other diseases of biliary tract
@ Excludes: the listed conditions involving the:
. gallbladder (K81-K82)
. cystic duct (K81-K82)
congenital atresia of bile ducts (Q44.2)
K83.0 @ Cholangitis
K83.00 Autoimmune sclerosing cholangitis
K83.1 Obstruction of bile duct
Excludes: with cholelithiasis (K80.-)
K83.10 Idiopathic cholestasis

K85 # Acute pancreatitis
@ Abscess of pancreas
Acute necrosis of pancreas
Pancreatitis: . NOS
. acute (recurrent)
. haemorrhagic
. subacute
. suppurative

K86 Other diseases of pancreas
@ Excludes: involvement of pancreas in cystic fibrosis (E84.-)
K86.0 Alcohol-induced chronic pancreatitis
K86.1 Other chronic pancreatitis
Chronic pancreatitis: . NOS
. infectious
. recurrent
. relapsing
K86.2 Cyst of pancreas
K86.3 Pseudocyst of pancreas
K86.8 Other specified diseases of pancreas
@ Atrophy)
Calculus)
Cirrhosis) of pancreas
Fibrosis)
K86.9 Disease of pancreas, unspecified

K87* $$ Disorders of gallbladder, biliary tract and pancreas in diseases elsewhere classified

K90-K93 $ Other diseases of the digestive system

K90 Intestinal malabsorption
Excludes: following gastrointestinal surgery (K91.2)
K90.0 Coeliac disease
@ Gluten-sensitive enteropathy
K90.00 Transient gluten intolerance
K90.1 @ Tropical sprue
K90.2 Blind loop syndrome, not elsewhere classified
@ Excludes: blind loop syndrome: . congenital (Q43.8)
. postsurgical (K91.2)
K90.3 Pancreatic steatorrhoea
K90.4 Malabsorption due to intolerance, not elsewhere classified
@ Excludes: lactose intolerance (E73.-)
K90.40 Malabsorption due to intolerance to carbohydrate
K90.41 Malabsorption due to intolerance to fat
K90.42 Malabsorption due to intolerance to cow's milk protein
K90.43 Malabsorption due to intolerance to soya protein
K90.44 Malabsorption due to intolerance to other specified protein
K90.45 Protein-losing enteropathy, (unspecified)
K90.8 Other intestinal malabsorption
@ Excludes: blind loop syndrome (K90.2)
.congenital (Q43.83)
postsurgical malabsorption (K91.2)
K90.80 Intestinal lymphangiectasia
Intestinal lymphangiectasia: .primary
.secondary
K90.81 Auto-immune enteropathy
K90.82 Congenital microvillous atrophy
Excludes: coeliac disease (K90.0)
K90.9 Intestinal malabsorption, unspecified

K91 $$ Postprocedural disorders of digestive system, not elsewhere
@ classified
Excludes: radiation: . colitis (K52.0)
. proctitis (K62.7)
K91.0 Vomiting following gastrointestinal surgery
K91.1 Postgastric surgery syndromes
@ Dumping syndrome
K91.2 Postsurgical malabsorption, not elsewhere classified
@ Postsurgical blind loop syndrome
K91.3 Postoperative intestinal obstruction
K91.4 Colostomy and enterostomy malfunction

K92 Other diseases of digestive system
Excludes: neonatal gastrointestinal haemorrhage (P54.0-P54.3)
K92.0 Haematemesis
K92.1 Melaena
K92.2 Gastrointestinal haemorrhage, unspecified
@ Excludes: haemorrhage of anus and rectum (K62.5)
K92.8 Other specified diseases of digestive system
K92.9 Disease of digestive system, unspecified

Chapter XII, (L00-L99)

Diseases of the skin and subcutaneous tissue

Excludes: certain conditions originating in the perinatal period
@ (P00-P96)
certain infectious and parasitic diseases (A00-B99)
congenital malformations, deformations and chromosomal abnormalities (Q00-Q99)
endocrine, nutritional and metabolic diseases (E00-E90)
injury, poisoning and certain other consequences of external causes (S00-T98)
lipomelanotic reticulosis (I89.8)
neoplasms (C00-D48)
symptoms, signs and abnormal clinical and laboratory findings, not elsewhere classified (R00-R99)
systemic connective tissue disorders (M30-M36)

This chapter contains the following blocks:

L00-L08	Infections of the skin and subcutaneous tissue
L10-L14	Bullous disorders
L20-L30	Dermatitis and eczema
L40-L45	Papulosquamous disorders
L50-L54	Urticaria and erythema
L55-L59	Radiation-related disorders of the skin and subcutaneous tissue
L60-L75	Disorders of skin appendages
L80-L99	Other disorders of the skin and subcutaneous tissue

Asterisk categories for this chapter are provided as follows:

L14*	Bullous disorders in diseases classified elsewhere
L45*	Papulosquamous disorders in diseases classified elsewhere
L54*	Erythema in diseases classified elsewhere
L62*	Nail disorders in diseases classified elsewhere
L86*	Keratoderma in diseases classified elsewhere
L99*	Other disorders of the skin and subcutaneous tissue in diseases classified elsewhere

L00-L08 Infections of the skin and subcutaneous tissue

@ Use additional code (B95-B97), if desired, to identify infectious agent.
Excludes: infective dermatitis (L30.3)
local infections of skin classified in Chapter I
pyogenic granuloma (L98.0)

L00 # Staphylococcal scalded skin syndrome
Pemphigus neonatorum
Ritter's disease
Excludes: toxic epidermal necrolysis [Lyell] (L51.2)

L01 Impetigo
Excludes: impetigo herpetiformis (L40.1)
pemphigus neonatorum (L00)

L01.0 @ Impetigo [any organism][any site]

L01.1 Impetiginization of other dermatoses

L02 $$ Cutaneous abscess, furuncle and carbuncle
@ Includes: boil
See ICD-10 for details of specific sites

L03 $$ Cellulitis
@ Includes: acute lymphangitis
Excludes: orbital cellulitis (H05.00)
omphalitis of newborn (P38)
See ICD-10 for details of exclusions and of specific sites involved
L03.00 Paronychia
Paronychia of: . fingers
. toes
L03.2 Cellulitis of face

L04 $$ Acute lymphadenitis
@ Excludes: enlarged lymph nodes (R59.-)
lymphadenitis:
. NOS (I88.9)
. chronic or subacute except mesenteric (I88.1)
. mesenteric, nonspecific (I88.0)
See ICD-10 for details of specific site

L05 Pilonidal cyst
Includes: sacrococcygeal [sacral] dimple
fistula) coccygeal or pilonidal
sinus)
L05.0 Pilonidal cyst with abscess
L05.9 Pilonidal cyst without abscess
Pilonidal cyst NOS

L08 $$ Other local infections of the skin and subcutaneous tissue
L08.0 Pyoderma
Dermatitis: .septic
.purulent
.suppurative
.infected
Excludes: pyoderma gangrenosum (L88)
L08.00 Septic spots
L08.9 Local infection of skin and subcutaneous tissue, unspecified
Skin infection NOS

L10-L14 Bullous disorders
Excludes: benign familial pemphigus [Hailey-Hailey] (Q82.8)
staphylococcal scalded skin syndrome (L00)
toxic epidermal necrolysis [Lyell] (L51.2)

L10 $$ Pemphigus
Excludes: pemphigus neonatorum (L00)

L11 $$ Other acantholytic disorders
Excludes: keratosis follicularis (congenital)
[Darier-White] (Q82.8)

L12 $$ Pemphigoid
@ Excludes: impetigo herpetiformis (L40.1)
L12.0 Bullous pemphigoid

L12.2 Chronic bullous disease of childhood
Juvenile dermatitis herpetiformis
L12.9 Pemphigoid, unspecified

L13 $$ Other bullous disorders
L13.0 @ Dermatitis herpetiformis
L13.9 Bullous disorder, unspecified

L14* # Bullous disorders in diseases classified elsewhere

L20-L30 Dermatitis and eczema
@ Note: In this block the terms dermatitis and eczema are used synonymously and interchangeably.
Excludes: dermatitis: . dry skin (L85.3)
. factitial (L98.1)
. gangrenosa (L88)
. herpetiformis (L13.0)
. perioral (L71.0)
radiation-related disorders of the skin and subcutaneous tissue (L55-L59)

L20 Atopic dermatitis
@
L20.0 Besnier's prurigo
L20.8 Other atopic dermatitis
@ Eczema: . flexural NEC
. intrinsic (allergic)
Neurodermatitis: . atopic
. diffuse
L20.80 Infantile eczema (acute)(chronic)
L20.9 Atopic dermatitis, unspecified

L21 $$ Seborrhoeic dermatitis
Excludes: infective dermatitis (L30.3)
L21.0 Seborrhoea capitis
Cradle cap
L21.1 Seborrhoeic infantile dermatitis

L22 # Diaper [napkin] dermatitis
Nappy rash
Diaper or napkin: .erythema
.rash
Psoriasiform napkin rash

L23 $$ Allergic contact dermatitis
@ Excludes: dermatitis: . contact NOS (L25.9)
. diaper [napkin] [nappy] (L22)
. irritant contact (L24.-)
See ICD-10 for details of specific contact allergens.

L24 $$ Irritant contact dermatitis
@ Excludes: dermatitis: . NOS (L30.9)
. allergic contact (L23.-)
. contact NOS (L25.9)
. diaper [napkin] [nappy] (L22)
See ICD-10 for details of specific contact irritants

L25 $$ Unspecified contact dermatitis
@ Excludes: dermatitis: . NOS (L30.9)
. allergic contact (L23.-)
. irritant contact (L24.-)
See ICD-10 for details of specific causes.

L26 # Exfoliative dermatitis
Hebra's pityriasis
Excludes: Ritter's disease (L00)

L27 $$ Dermatitis due to substances taken internally
@ Excludes: contact dermatitis (L23-L25)
urticaria (L50.-)
L27.0 Generalized skin eruption due to drugs and medicaments
Use additional external cause code (Chapter XX), if desired, to identify drug.
L27.1 Localised skin eruption due to drugs and medicaments
Use additional external cause code (Chapter XX), if desired, to identify drug.
L27.2 Dermatitis due to ingested food
Excludes: dermatitis due to food in contact with skin (L23.6, L24.6, L25.4)

L28 $$ Lichen simplex chronicus and prurigo
L28.0 Lichen simplex chronicus
@ Circumscribed neurodermatitis

L29 $$ Pruritus
Excludes: psychogenic pruritus (F45.8)
See ICD-10 for further details of specific site.
L29.0 Pruritus ani

L30 $$ Other dermatitis
@
L30.0 Nummular dermatitis
L30.1 Dyshidrosis [pompholyx]
L30.2 @ Cutaneous autosensitization
L30.4 Erythema intertrigo
L30.5 Pityriasis alba
L30.9 Dermatitis, unspecified
Eczema NOS

L40-L45 $ Papulosquamous disorders

L40 Psoriasis
L40.0 Psoriasis vulgaris
Nummular psoriasis
Plaque psoriasis
L40.1 Generalized pustular psoriasis
@ Impetigo herpetiformis
L40.2 Acrodermatitis continua
L40.3 Pustulosis palmaris et plantaris
L40.4 Guttate psoriasis
L40.5+ Arthropathic psoriasis (M07.0-M07.3*, M09.0*)
L40.8 @ Other psoriasis
L40.9 Psoriasis, unspecified

L41 $$ Parapsoriasis
@

L42 # Pityriasis rosea

L43 $$ Lichen planus
@

L44 $$ Other papulosquamous disorders
L44.0 Pityriasis rubra pilaris
L44.1 Lichen nitidus
L44.2 Lichen striatus
L44.3 Lichen ruber moniliformis
L44.4 Infantile papular acrodermatitis [Giannotti-Crosti]

L50-L54 Urticaria and erythema
@

L50 Urticaria
@ Excludes: angioneurotic oedema (T78.3)
hereditary angio-oedema (D84.1)
L50.0 Allergic urticaria
L50.1 Idiopathic urticaria
L50.2 Urticaria due to cold and heat
L50.3 Dermatographic urticaria
L50.4 Vibratory urticaria
L50.5 Cholinergic urticaria
L50.6 Contact urticaria
L50.8 @ Other urticaria
L50.9 Urticaria, unspecified

L51 Erythema multiforme
L51.0 Nonbullous erythema multiforme
L51.1 Bullous erythema multiforme
Stevens-Johnson syndrome
L51.2 Toxic epidermal necrolysis [Lyell]
L51.8 Other erythema multiforme
L51.9 Erythema multiforme, unspecified

L52 # Erythema nodosum

L53 $$ Other erythematous conditions
@
L53.0 @ Toxic erythema
Excludes: neonatal erythema toxicum (P83.1)
L53.9 Erythematous condition, unspecified
@ Erythema NOS

L54* $$ Erythema in diseases classified elsewhere
L54.0* Erythema marginatum in acute rheumatic fever (I00+)

L55-L59 Radiation-related disorders of the skin and subcutaneous tissue

L55 $$ Sunburn
L55.9 Sunburn, unspecified

L56 $$ Other acute skin changes due to ultraviolet radiation

L57 $$ Skin changes due to chronic exposure to nonionizing radiation

L58 $$ Radiodermatitis

L59 $$ Other disorders of skin and subcutaneous tissue related to radiation

L60-L75 $ Disorders of skin appendages
Excludes: congenital malformations of integument (Q84.-)

L60 $$ Nail disorders
@ Excludes: onychia and paronychia (L03.0)
L60.0 Ingrowing nail

L62* $$ Nail disorders in diseases classified elsewhere

L63 $$ Alopecia areata

L65 $$ Other nonscarring hair loss
Use additional external cause code (Chapter XX), if desired, to identify drug, if drug-induced.
Excludes: trichotillomania (F63.3)

L66 $$ Cicatricial alopecia [scarring hair loss]

L67 $$ Hair colour and hair shaft abnormalities
@ Excludes: monilethrix (Q84.1)
pili annulati (Q84.1)

L68 $$ Hypertrichosis
@ Excludes: congenital hypertrichosis (Q84.2)
persistent lanugo (Q84.2)
L68.0 Hirsutism
Use additional external cause code (Chapter XX), if desired, to identify drug, if drug-induced.

L70 $$ Acne
Excludes: acne keloid (L73.0)
L70.0 Acne vulgaris
L70.1 Acne conglobata
L70.2 @ Acne varioliformis
L70.3 Acne tropica
L70.4 Infantile acne
L70.9 Acne, unspecified

L71 $$ Rosacea

L72 $$ Follicular cysts of skin and subcutaneous tissue
L72.0 Epidermal cyst
L72.1 Trichilemmal cyst
Pilar cyst
Sebaceous cyst

L73 $$ Other follicular disorders

L73.0 Acne keloid

L74 $$ Eccrine sweat disorders
Excludes: hyperhidrosis (R61.-)
L74.0 Miliaria rubra
L74.1 Miliaria crystallina
L74.2 Miliaria profunda
Miliaria tropicalis
L74.3 Miliaria, unspecified
L74.4 Anhidrosis
Hypohydrosis

L75 $$ Apocrine sweat disorders
@

L80-L99 $ Other disorders of the skin and subcutaneous tissue

L80 # Vitiligo

L81 Other disorders of pigmentation
Excludes: birthmark NOS (Q82.5)
naevus - see Alphabetical Index
Peutz-Jeghers syndrome (Q85.8)
L81.0 Postinflammatory hyperpigmentation
L81.1 Chloasma
L81.2 Freckles
L81.3 Café au lait spots
L81.4 Other melanin hyperpigmentation
Lentigo
L81.5 Leukoderma, not elsewhere classified
L81.6 Other disorders of diminished melanin formation
L81.7 @ Pigmented purpuric dermatosis
L81.8 Other specified disorders of pigmentation
Iron pigmentation
Tattoo pigmentation
L81.9 Disorder of pigmentation, unspecified

L83 # Acanthosis nigricans
@

L84 # Corns and callosities
@

L85 $$ Other epidermal thickening
Excludes: hypertrophic disorders of skin (L91.-)
L85.1 Acquired keratosis [keratoderma] palmaris et plantaris
Excludes: inherited keratosis palmaris et plantaris (Q82.8)
L85.2 Keratosis punctata (palmaris et plantaris)
L85.3 Xerosis cutis
Dry skin dermatitis

L86* # Keratoderma in diseases classified elsewhere
Follicular keratosis } due to vitamin A deficiency (E50.8+)
Xeroderma }

L87 $$ Transepidermal elimination disorders
@

```
L88     # Pyoderma gangrenosum
@

L89     # Decubitus ulcer
@          Bedsore
           Plaster ulcer
           Pressure ulcer

L90    $$ Atrophic disorders of skin
L90.0     Lichen sclerosus et atrophicus
L90.5     Scar conditions and fibrosis of skin
           Adherent scar (skin)
           Cicatrix
           Disfigurement due to scar
           Scar NOS
          Excludes: hypertrophic scar (L91.0)
                    keloid scar (L91.0)
L90.6     Striae atrophicae

L91    $$ Hypertrophic disorders of skin
L91.0     Keloid scar
@           Hypertrophic scar
            Keloid
           Excludes: acne keloid (L73.0)

L92    $$ Granulomatous disorders of skin and subcutaneous tissue
@
L92.0   @ Granuloma annulare
L92.1     Necrobiosis lipoidica, not elsewhere classified
           Excludes: that associated with diabetes mellitus (E10-E14)
L92.3     Foreign body granuloma of skin and subcutaneous tissue

L93    $$ Lupus erythematosus
@           Excludes: systemic lupus erythematosus (M32.-)
          Use additional external cause code (Chapter XX), if
           desired, to identify drug, if drug-induced.

L94    $$ Other localised connective tissue disorders
           Excludes: systemic connective tissue disorders (M30-M36)
L94.0   @ Localised scleroderma [morphoea]

L98    $$ Other disorders of skin and subcutaneous tissue, not
           elsewhere classified
L98.0     Pyogenic granuloma
           Excludes: neonatal, infectious, (umbilical), granuloma (P38)
L98.1     Factitial dermatitis
@          Dermatitis artefacta

L99*   $$ Other disorders of skin and subcutaneous tissue in diseases
           classified elsewhere
```

Chapter XIII, (M00-M99)
Diseases of the musculoskeletal system and connective tissue

Excludes: certain conditions originating in the perinatal period (P00-P96)
@ certain infectious and parasitic diseases (A00-B99)
compartment syndrome (T79.6)
congenital malformations, deformations and chromosomal abnormalities (Q00-Q99)
endocrine, nutritional and metabolic diseases (E00-E90)
injury, poisoning and certain other consequences of external causes (S00-T98)
neoplasms (C00-D48)
symptoms, signs and abnormal clinical and laboratory findings, not elsewhere classified (R00-R99)

This chapter contains the following blocks:

M00-M25 Arthropathies
- M00-M03 Infectious arthropathies
- M05-M14 Inflammatory polyarthropathies
- M15-M19 Arthrosis
- M20-M25 Other joint disorders

M30-M36 Systemic connective tissue disorders

M40-M54 Dorsopathies
- M40-M43 Deforming dorsopathies
- M45-M49 Spondylopathies
- M50-M54 Other dorsopathies

M60-M79 Soft tissue disorders
- M60-M63 Disorders of muscles
- M65-M68 Disorders of synovium and tendon
- M70-M79 Other soft tissue disorders

M80-M94 Osteopathies and chondropathies
- M80-M85 Disorders of bone density and structure
- M86-M90 Other osteopathies
- M91-M94 Chondropathies

M95-M99 Other disorders of the musculoskeletal system and connective tissue

Asterisk categories for this chapter are provided as follows:

M01* Direct infections of joint in infectious and parasitic diseases classified elsewhere
M03* Postinfective and reactive arthropathies in diseases classified elsewhere
M07* Psoriatic and enteropathic arthropathies
M09* Juvenile arthritis in diseases classified elsewhere
M14* Arthropathies in other diseases classified elsewhere
M36* Systemic disorders of connective tissue in diseases classified elsewhere
M49* Spondylopathies in diseases classified elsewhere
M63* Disorders of muscle in diseases classified elsewhere
M68* Disorders of synovium and tendon in diseases classified elsewhere
M73* Soft tissue disorders in diseases classified elsewhere
M82* Osteoporosis in diseases classified elsewhere
M90* Osteopathies in diseases classified elsewhere

Site of musculoskeletal involvement

The following subclassification to indicate the site of involvement is provided for optional use with appropriate categories in Chapter XIII. As the BPA classification uses a fifth character for terms not given their own code in ICD-10, it is suggested that the supplementary site subclassification be placed in an identifiably separate position (e.g. in an additional box, labelled *'Site'*). Different subclassifications for use with derangement of knee and dorsopathies, are given on pages ??? and ??? respectively.

0	Multiple sites		
1	Shoulder region	clavicle scapula	acromioclavicular) glenohumeral) joints sternoclavicular)
2	Upper arm	humerus	elbow joint
3	Forearm	radius ulna	wrist joint
4	Hand	carpus fingers metacarpus	joints between these bones
5	Pelvic region and thigh	buttock femur pelvis	hip (joint) sacroiliac joint
6	Lower leg	fibula tibia	knee joint
7	Ankle and foot	metatarsus tarsus toes	ankle joint other joints in foot
8	Other	head neck ribs skull trunk vertebral column	
9	Site unspecified		

M00-M25 Arthropathies
Disorders affecting predominantly peripheral (limb) joints

M00-M03 Infectious arthropathies

Note: This block comprises arthropathies due to microbiological agents. Distinction is made between the following types of aetiological relationship: (a) direct infection of joint, where organisms invade synovial tissue and microbial antigen is present in the joint; (b) indirect infection, which may be of two types: a

reactive arthropathy, where microbial infection of the body is established but neither organisms nor antigens can be identified in the joint, and a postinfective arthropathy, where microbial antigen is present but recovery of an organism is inconstant and evidence of local multiplication is lacking.

M00 Pyogenic arthritis
[See site code page ???]
M00.0 Staphylococcal arthritis and polyarthritis
M00.1 Pneumococcal arthritis and polyarthritis
M00.2 Other streptococcal arthritis and polyarthritis
M00.8 Arthritis and polyarthritis due to other specified bacterial agents
Use additional code (B95-B96), if desired, to identify bacterial agent.
M00.9 Pyogenic arthritis, unspecified
Infective arthritis NOS

M01* Direct infections of joint in infectious and parasitic diseases elsewhere classified
[See site code page ???]
Excludes: arthropathy in sarcoidosis (M14.8*)
postinfective and reactive arthropathy (M03.-*)
M01.0* Meningococcal arthritis (A39.8+)
Excludes: postmeningococcal arthritis (M03.0*)
M01.1* Tuberculous arthritis (A18.0+)
Excludes: of spine (M49.0*)
M01.2* Arthritis in Lyme disease (A69.2+)
M01.3* Arthritis in other bacterial diseases classified elsewhere
@ Arthritis in: .localized salmonella infection (A02.2+)
.typhoid or paratyphoid fever (A01.-+)
M01.4* Rubella arthritis (B06.8+)
M01.5* Arthritis in other viral diseases classified elsewhere
@ Arthritis in mumps (B26.8+)
M01.6* Arthritis in mycoses (B35-B49+)
M01.8* Arthritis in other infectious and parasitic diseases elsewhere classified

M02 $$ Reactive arthropathies
[See site code page ???]
Excludes: Behçet's disease (M35.2)
rheumatic fever (I00)
M02.1 Postdysenteric arthropathy
M02.2 Postimmunization arthropathy
M02.3 Reiter's disease
M02.9 Reactive arthopathy, unspecified

M03* $$ Postinfective and reactive arthropathies in diseases elsewhere classified
[See site code page ???]
Excludes: direct infections of joint in infectious and parasitic diseases classified elsewhere (M01.-*)
M03.0* Postmeningococcal arthritis (A39.8+)
Excludes: meningococcal arthritis (M01.0*)

M03.2* Other postinfectious arthropathies in diseases elsewhere classified
Postinfectious arthropathy in: .enteritis due to Yersinia enterocolitica (A04.6+)
.viral hepatitis (B15-B19+)
Excludes: viral arthropathies (M01.4-M01.5*)
M03.60* Arthropathy in infective endocarditis (I33.0+)

M05-M14 $ Inflammatory polyarthropathies

M05 $$ Seropositive rheumatoid arthritis
[See site code page ???]
Excludes: rheumatic fever (I00)
rheumatoid arthritis (of): .juvenile (M08.-)
.spine (M45)
M05.0 Felty's syndrome
Rheumatoid arthritis with splenoadenomegaly and leukopenia
M05.2 Rheumatoid vasculitis
M05.3+ Rheumatoid arthritis with involvement of other organs and systems
Rheumatoid: .carditis (I52.8*)
.endocarditis (I39.-*)
.myocarditis (I41.8*)
.myopathy (G73.7*)
.pericarditis (I32.8*)
.polyneuropathy (G63.6*)

M06 $$ Other rheumatoid arthritis
[See site code page ???]
M06.3 Rheumatoid nodule

M08 $$ Juvenile arthritis
Juvenile chronic arthritis
[See site code page ???]
Includes: arthritis in children, with onset before 16th birthday and lasting longer than 3 months
Excludes: Felty's syndrome (M05.0)
juvenile dermatomyositis (M33.0)
M08.00 Juvenile seropositive rheumatoid arthritis
M08.1 @ Juvenile ankylosing spondylitis
M08.2 Juvenile arthritis with systemic onset
@ Systemic onset juvenile arthritis
Still's disease NOS
M08.3 Juvenile polyarthritis (seronegative)
Polyarticular onset juvenile arthritis
Chronic juvenile polyarthritis
M08.4 Pauciarticular juvenile arthritis
Pauciarticular onset juvenile arthritis
Involving 4 or fewer joints
M08.8 Other juvenile arthritis
M08.9 Juvenile arthritis, unspecified

M09* Juvenile arthritis in diseases classified elsewhere
[See site code page ???]
Excludes: arthropathy in Whipple's disease (M14.8*)
M09.0* Juvenile arthritis in psoriasis (L40.5+)

M09.1* Juvenile arthritis in Crohn's disease [regional enteritis] (K50.-+)
M09.2* Juvenile arthritis in ulcerative colitis (K51.-+)
M09.8* Juvenile arthritis in other diseases classified elsewhere

M10 $$ Gout
@

M11 $$ Other crystal arthropathies
@

M12 $$ Other specific arthropathies
@ Excludes: arthropathy NOS (M13.9)
M12.3 Palindromic rheumatism
M12.4 Intermittent hydrarthrosis
M12.5 @ Traumatic arthropathy
M12.8 Other specific arthropathies, not elsewhere classified
Transient arthropathy

M13 $$ Other arthritis
@
M13.9 Arthritis, unspecified
Arthropathy NOS

M14* $$ Arthropathies in other diseases classified elsewhere
@ Excludes: arthropathy in:
.haematological disorders (M36.2-M36.3*)
.hypersensitivity reactions (M36.4*)
.neoplastic disease (M36.1*)
.juvenile (M09.-*)
M14.0* Gouty arthropathy due to enzyme defects and other inherited disorders
Gouty arthropathy in: .Lesch-Nyhan syndrome(E79.1+)
.sickle-cell disorders (D57.-+)
M14.3* Lipoid dermatoarthritis (E78.8+)

M15-M19 $ Arthrosis
@ Note: In this block the term osteoarthritis is used as a synonym for arthrosis or osteoarthrosis.

M20-M25 Other joint disorders
@

M20 $$ Acquired deformities of fingers and toes
@ Excludes: congenital deformities and malformations of fingers and toes (Q66-Q74)
clubbing of fingers (R68.3)
M20.0 Deformity of finger(s)
@ Boutonnière and swan-neck deformities
Excludes: clubbing of fingers (R68.3)
M20.1 Hallux valgus (acquired)
Bunion
M20.2 Hallux rigidus
M20.3 Other deformity of hallux (acquired)
Hallux varus

M21 Other acquired deformities of limbs
@ Excludes: congenital deformities and malformations of limbs (Q65-Q74)
M21.0 Valgus deformity, not elsewhere classified
@ Excludes: metatarsus valgus (Q66.6)
M21.1 Varus deformity, not elsewhere classified
Excludes: metatarsus varus (Q66.2)
tibia vara (M92.5)
M21.2 Flexion deformity
M21.3 Wrist or foot drop (acquired)
M21.4 @ Flat foot [pes planus] (acquired)
M21.5 @ Acquired clawhand, clubhand, clawfoot and clubfoot
M21.6 Other acquired deformities of ankle and foot
Excludes: clubfoot, not specified as acquired (Q66.8)
deformities of toe (acquired) (M20.1-M20.6)
M21.7 Unequal limb length (acquired)
M21.8 Other specified acquired deformities of limbs
M21.9 Acquired deformity of limb, unspecified

M22 $$ Disorders of patella
Excludes: dislocation of patella (S83.0)
M22.0 Recurrent dislocation of patella
M22.1 Recurrent subluxation of patella
M22.4 Chondromalacia patellae

M23 $$ Internal derangement of knee

The following supplementary subclassification to indicate the site of involvement is provided for optional use with appropriate subcategories in M23.-; see also note on page ???.

0 Multiple sites

1 Anterior cruciate ligament or Anterior horn of medial meniscus

2 Posterior cruciate ligament or Posterior horn of medial meniscus

3 Medial collateral ligament or Other and unspecified medial meniscus

4 Lateral collateral ligament or Anterior horn of lateral meniscus

5 Posterior horn of lateral meniscus

6 Other and unspecified lateral meniscus

7 Capsular ligament

9 Unspecified ligament or Unspecified meniscus

Excludes: ankylosis (M24.6)
current injury - see injury to the knee and lower leg (S80-S89)
deformity of knee (M21.-)
disorders of patella (M22.-)
osteochondritis dissecans (M93.2)
recurrent dislocation or subluxation (M24.4)
. patella (M22.0-M22.1)

M23.0 Cystic meniscus
M23.1 Discoid meniscus (congenital)
M23.2 Derangement of meniscus due to old tear or injury
Old bucket-handle tear
M23.3 @ Other meniscus derangements
M23.5 Chronic instability of knee
M23.80 Laxity of ligament of knee
Snapping knee

M24 $$ Other specific joint derangements
@ [See site code page ???]
Excludes: current injury - see injury of joint by body region
M24.2 Disorder of ligament
Instability due to old ligament injury
Ligamentous laxity NOS
Excludes: familial ligamentous laxity (M35.7)
knee (M23.5-M23.8)
M24.4 Recurrent dislocation and subluxation of joint
Excludes: patella (M22.0-M22.1)
vertebral subluxation (M43.3-M43.5)
M24.5 Contracture of joint
M24.6 Ankylosis of joint
Excludes: spine (M43.2)
stiffness of joint without ankylosis (M25.6)
M24.7 Protrusio acetabuli
M24.8 Other specific joint derangements, not elsewhere classified
M24.80 Irritable hip
M24.9 Joint derangement, unspecified

M25 $$ Other joint disorders, not elsewhere classified
@ [See site code page ???]
Excludes: abnormality of gait and mobility (R26.-)
M25.0 Haemarthrosis
Excludes: current injury - see injury of joint by body region
M25.4 Effusion of joint
M25.5 Pain in joint
Arthralgia
M25.6 Stiffness of joint, not elsewhere classified
M25.9 Joint disorder, unspecified

M30-M36 Systemic connective tissue disorders
Includes: autoimmune disease: . NOS
. systemic
collagen (vascular) disease: . NOS
. systemic
Excludes: autoimmune disease, single organ or single cell-type (code to relevant condition category)

M30 Polyarteritis nodosa and related conditions
M30.0 Polyarteritis nodosa
M30.1 @ Polyarteritis with lung involvement [Churg-Strauss]
M30.2 Juvenile polyarteritis
M30.3 Mucocutaneous lymph node syndrome [Kawasaki]
M30.8 @ Other conditions related to polyarteritis nodosa

```
M31   $$ Other necrotizing vasculopathies
M31.0    Hypersensitivity angiitis
          Goodpasture's syndrome
M31.1    Thrombotic microangiopathy
          Thrombotic thrombocytopenic purpura
M31.3    Wegener's granulomatosis
          Necrotizing respiratory granulomatosis
M31.4    Aortic arch syndrome [Takayasu]
          Pulseless disease
M31.9    Necrotizing vasculopathy, unspecified

M32      Systemic lupus erythematosus
@          SLE
          Excludes: neonatal lupus erythematosus (P83.83)
M32.0    Drug-induced systemic lupus erythematosus
            Use additional external cause code (Chapter XX), if
             desired, to identify drug.
M32.1+   Systemic lupus erythematosus with organ or system involvement
          Libman-Sacks disease (I39.-*)
          Lupus pericarditis (I32.8*)
          Systemic lupus erythematosus with:
                     . kidney involvement (N08.5*, N16.4*)
                     . lung involvement (J99.1*)
M32.8    Other forms of systemic lupus erythematosus
M32.9    Systemic lupus erythematosus, unspecified

M33   $$ Dermatopolymyositis
M33.0    Juvenile dermatomyositis

M34      Systemic sclerosis
          Includes: scleroderma
          Excludes: scleroderma: . circumscribed (L94.0)
                                 . neonatal (P83.8)
M34.0    Progressive systemic sclerosis
M34.1    CR(E)ST syndrome
          Combination of calcinosis, Raynaud's phenomenon,
           (o)esophageal dysfunction, sclerodactyly, telangiectasia
M34.2    Systemic sclerosis induced by drugs and chemicals
          Use additional external cause code (Chapter XX), if
           desired, to identify cause.
M34.8    Other forms of systemic sclerosis
          Systemic sclerosis with: .lung involvement+(J99.1*)
                                   .myopathy+ (G73.7*)
M34.9    Systemic sclerosis, unspecified

M35   $$ Other systemic involvement of connective tissue
@
M35.0    Sicca syndrome [Sjögren]
@          Excludes: joints of the spine (M40-M54)
M35.1    Other overlap syndromes
@          Mixed connective tissue disease
M35.2    Behçet's disease
M35.4    Diffuse (eosinophilic) fasciitis
M35.6  @ Relapsing panniculitis [Weber-Christian]
M35.7    Hypermobility syndrome
@          Familial ligamentous laxity
          Excludes: Ehlers-Danlos syndrome (Q79.6)
```

M35.9 Systemic involvement of connective tissue, unspecified
Autoimmune disease (systemic) NOS
Collagen (vascular) disease NOS

M36* $$ Systemic disorders of connective tissue in diseases elsewhere classified
Excludes: arthropathies in diseases classified elsewhere (M14.-*)
M36.1* Arthropathy in neoplastic disease (C00-D48+)
Arthropathy in: .malignant histiocytosis (C96.1+)
.multiple myeloma (C90.0+)
M36.10* Arthropathy in leukaemia (C91-C95+)
M36.18* Arthropathy in other neoplastic diseases
M36.2* Haemophilic arthropathy (D66-D68+)
M36.3* @ Arthropathy in other blood disorders (D50-D76+)
M36.4* Arthropathy in hypersensitivity reactions classified elsewhere
M36.40* Arthropathy in Henoch-Schönlein purpura (D69.0+)
M36.8* Systemic disorders of connective tissue in other diseases
@ classified elsewhere
Systemic disorders of connective tissue in hypogammaglobulinaemia (D80.-+)

M40-M54 Dorsopathies

The following supplementary subclassification to indicate the site of involvement is provided for optional use with appropriate categories in the block on dorsopathies, except categories M50 and M51; see also note on page ???.

0 Multiple sites in spine
1 Occipito-atlanto-axial region
2 Cervical region
3 Cervicothoracic region
4 Thoracic region
5 Thoracolumbar region
6 Lumbar region
7 Lumbosacral region
8 Sacral and sacrococcygeal region
9 Site unspecified

M40-M43 Deforming dorsopathies

M40 $$ Kyphosis and lordosis
@ [See site code page ???]
Excludes: kyphoscoliosis (M41.-)
kyphosis and lordosis, congenital (Q76.4)
M40.0 Postural kyphosis
Excludes: osteochondrosis of spine (M42.-)
M40.3 Flatback syndrome

M41 $$ Scoliosis
@ [See site code page ???]
Includes: kyphoscoliosis
Excludes: congenital scoliosis:
.NOS (Q67.5)
.due to bony malformation (Q76.3)
.postural (Q67.5)
kyphoscoliotic heart disease (I27.1)
M41.0 Infantile idiopathic scoliosis
M41.1 Juvenile idiopathic scoliosis
Adolescent scoliosis
M41.3 Thoracogenic scoliosis
M41.4 Neuromuscular scoliosis
Scoliosis secondary to cerebral palsy, Friedreich's ataxia, poliomyelitis, and other neuromuscular disorders
M41.5 Other secondary scoliosis

M42 $$ Spinal osteochondrosis
[See site code page ???]
M42.0 Juvenile osteochondrosis of spine
@ Calvé's disease
Scheuermann's disease

M43 $$ Other deforming dorsopathies
@ [See site code page ???]
Excludes: congenital spondylolysis and spondylolisthesis (Q76.2)
M43.0 Spondylolysis
M43.1 Spondylolisthesis
M43.3 Recurrent atlantoaxial subluxation with myelopathy
M43.6 Torticollis
Excludes: torticollis: .congenital (sternomastoid) (Q68.0)
.current injury - see injury of spine by body region
.due to birth injury (P15.2)
.psychogenic (F45.8)
.spasmodic (G24.3)

M45-M49 $ Spondylopathies
@ Excludes: juvenile ankylosing spondylitis (M08.1)

M46 $$ Other inflammatory spondylopathies
[See site code page ???]
M46.1 Sacroiliitis, not elsewhere classified
M46.2 Osteomyelitis of vertebra
M46.3 Infection of intervertebral disc (pyogenic)
Use additional code (B95-B97), if desired, to identify infectious agent.
M46.4 Discitis, unspecified

M47 $$ Spondylosis
@

M48 $$ Other spondylopathies
@
M48.4 Fatigue fracture of vertebra
Stress fracture of vertebra

M49* $$ Spondylopathies in diseases classified elsewhere
@ [See site code page ???]
M49.0* Tuberculosis of spine (A18.0+)
Pott's disease
M49.1* Brucella spondylitis (A23.-+)

M50-M54 $ Other dorsopathies
@

M50 $$ Cervical disc disorders
@

M51 $$ Other intervertebral disc disorders
M51.4 Schmorl's nodes

M54 $$ Dorsalgia
@ [See site code page ???]
Excludes: pain due to intervertebral disc disorder (M50-M51)
M54.3 @ Sciatica
M54.5 @ Low back pain
M54.6 @ Pain in thoracic spine
M54.9 Dorsalgia, unspecified
Backache, unspecified

M60-M79 Soft tissue disorders

M60-M63 Disorders of muscles
@

M60 $$ Myositis
[See site code page ???]
Excludes: dermatopolymyositis (M33.-)
muscular dystrophies and myopathies (G71-G72)
M60.0 Infective myositis
@ Use additional code (B95-B97), if desired, to identify infectious agent

M61 $$ Calcification and ossification of muscle
[See site code page ???]
M61.0 Myositis ossificans traumatica
M61.1 @ Myositis ossificans progressiva

M62 $$ Other disorders of muscle
@ [See site code page ???]
Excludes: myalgia (M79.1)
M62.4 Contracture of muscle
Excludes: contracture of joint (M24.5)
M62.5 Muscle wasting and atrophy, not elsewhere classified
Disuse atrophy NEC
M62.6 Muscle strain
Excludes: current injury - see injury of muscle by body region

M63* $$ Disorders of muscle in diseases classified elsewhere
Excludes: myopathy in: .endocrine diseases (G73.5*)
.metabolic diseases (G73.6*)

M65-M68 $ Disorders of synovium and tendon

M65 $$ Synovitis and tenosynovitis
@ [See site code page ???]
M65.4 Radial styloid tenosynovitis [de Quervain]

M66 $$ Spontaneous rupture of synovium and tendon
@ [See site code page ???]

M67 $$ Other disorders of synovium and tendon
@
M67.3 Transient synovitis
@ Toxic synovitis
M67.4 @ Ganglion

M70-M79 $ Other soft tissue disorders

M70 $$ Soft tissue disorders related to use, overuse and pressure
@ [See site code page ???]
See ICD-10 for specific examples
Includes: soft tissue disorders of occupational or
recreational origin
repetitive strain injury [RSI]

M75 $$ Shoulder lesions
Excludes: shoulder-hand syndrome (M89.0)

M76 $$ Enthesopathies of lower limb, excluding foot
@
M76.6 Achilles tendinitis
Achilles bursitis

M77 $$ Other enthesopathies
@

M79 $$ Other soft tissue disorders, not elsewhere classified
@ [See site code page ???]
M79.0 Rheumatism, unspecified
@ Excludes: palindromic rheumatism (M12.3)
M79.1 Myalgia
Excludes: myositis (M60.-)
M79.2 Neuralgia and neuritis, unspecified
@ Excludes: radiculitis (M54.1)
M79.3 @ Panniculitis, unspecified
M79.6 Pain in limb

M80-M94 Osteopathies and chondropathies

M80-M85 $ Disorders of bone density and structure

M80 $$ Osteoporosis with pathological fracture
@
M80.5 Idiopathic osteoporosis with pathological fracture

M81 $$ Osteoporosis without pathological fracture
@
M81.5 Idiopathic osteoporosis
Idiopathic osteoporosis without pathological fracture

M83 $$ Adult type osteomalacia
@ Excludes: rickets (E55.0)
M83.4 Aluminium bone disease

M84 $$ Disorders of continuity of bone
[See site code page ???]
M84.0 Malunion of fracture
M84.1 @ Nonunion of fracture [pseudarthrosis]
M84.2 Delayed union of fracture
M84.3 Stress fracture, not elsewhere classified
Stress fracture NOS
Excludes: stress fracture of vertebra (M48.4)
M84.4 Pathological fracture, not elsewhere classified
@ Pathological fracture NOS
Excludes: pathological fracture in osteoporosis (M80.-)
fracture of bone in neoplastic disease
(C00-D84+, M90.7*)

M85 $$ Other disorders of bone density and structure
@

M86-M90 $ Other osteopathies
@

M86 $$ Osteomyelitis
[See site code page ???]
Use additional code (B95-B97), if desired, to identify
infectious agent.
Excludes: osteomyelitis (of): . due to salmonella (A02.2+)
. jaw (K10.2)
. vertebra (M46.2)
M86.0 Acute haematogenous osteomyelitis
M86.1 Other acute osteomyelitis
M86.3 Chronic multifocal osteomyelitis
M86.4 Chronic osteomyelitis with draining sinus
M86.9 @ Osteomyelitis, unspecified

M87 $$ Osteonecrosis
@ [See site code page ???]
Includes: avascular necrosis of bone

M89 $$ Other disorders of bone
[See site code page ???]
M89.0 @ Algoneurodystrophy
Reflex sympathetic dystrophy
M89.1 Epiphyseal arrest
M89.2 Other disorders of bone development and growth
M89.3 Hypertrophy of bone

M89.6 Osteopathy after poliomyelitis
Use additional code (B91), if desired, to identify previous poliomyelitis.
M89.80 Infantile cortical hyperostosis
Caffey's disease
M89.81 Post-traumatic subperiosteal ossification

M90* $$ Osteopathies in diseases classified elsewhere
[See site code page ???]
M90.0* Tuberculosis of bone (A18.0+)
Excludes: tuberculosis of spine (M49.0*)
M90.7* @ Fracture of bone in neoplastic disease (C00-D48+)
M90.8* Osteopathy in other diseases classified elsewhere
Osteopathy in renal osteodystrophy (N25.0+)

M91-M94 Chondropathies
@

M91 Juvenile osteochondrosis of hip and pelvis
@
M91.0 Juvenile osteochondrosis of pelvis
Osteochondrosis (juvenile) of:
.acetabulum
.iliac crest [Buchanan]
.ischiopubic synchondrosis [van Neck]
.symphisis pubis [Pierson]
M91.1 Juvenile osteochondrosis head of femur [Legg-Calvé-Perthes]
Perthes disease
M91.2 Coxa plana
Hip deformity due to previous juvenile osteochondrosis
M91.3 Pseudocoxalgia
M91.8 Other juvenile osteochondrosis of hip and pelvis
Juvenile osteochondrosis after reduction of congenital dislocation of hip
M91.9 Juvenile osteochondritis of hip and pelvis, unspecified

M92 Other juvenile osteochondrosis
M92.0 Juvenile osteochondrosis of humerus
Osteochondrosis (juvenile) of: .capitulum of humerus [Panner]
.head of humerus [Haas]
M92.1 Juvenile osteochondrosis of radius and ulna
Osteochondrosis (juvenile) of: .lower ulna [Burns]
.radial head [Brailsford]
M92.2 Juvenile osteochondrosis of hand
Osteochondrosis (juvenile) of: .carpal lunate [Kienböck]
.metacarpal heads [Mauclaire]
M92.3 Other juvenile osteochondrosis of upper limb
M92.4 Juvenile osteochondrosis of patella
Osteochondrosis (juvenile) of:
.primary patellar centre [Köhler]
.secondary patellar centre [Sinding-Larsen]
M92.5 Juvenile osteochondrosis of tibia and fibula
Osteochondrosis (juvenile) of:
.proximal tibia [Blount]
.tibial tubercle [Osgood-Schlatter]
Tibia vara

M92.6 Juvenile osteochondrosis of tarsus
Osteochondrosis (juvenile) of:
.calcaneum [Sever]
.os tibiale externum [Haglund]
.talus [Diaz]
.tarsal navicular [Köhler]
M92.7 Juvenile osteochondrosis of metatarsus
Osteochondrosis (juvenile) of:
.fifth metatarsus [Iselin]
.second metatarsus [Freiberg]
M92.8 Other specified juvenile osteochondrosis
Calcaneal apophysitis
M92.9 Juvenile osteochondrosis, unspecified

M93 $$ Other osteochondropathies
@
M93.0 Slipped upper femoral epiphysis, (nontraumatic)

M94 $$ Other disorders of cartilage
[See site code page ???]
M94.0 Chondrocostal junction syndrome [Tietze]
M94.1 Relapsing polychondritis

M95-M99 Other disorders of musculoskeletal system and connective tissue

M95 $$ Other acquired deformities of musculoskeletal system
@

M96 $$ Postprocedural musculoskeletal disorders, not elsewhere
@ classified

M99 $$ Biomechanical lesions, not elsewhere classified

Chapter XIV, (N00-N99)

Diseases of the genitourinary system

Excludes: certain conditions originating in the perinatal period (P00-P96)
@ certain infectious and parasitic diseases (A00-B99)
congenital malformations, deformations and chromosomal abnormalities (Q00-Q99)
endocrine, nutritional and metabolic diseases (E00-E90)
injury, poisoning and certain other consequences of external causes (S00-T98)
neoplasms (C00-D48)
symptoms, signs and abnormal clinical and laboratory findings, not elsewhere classified (R00-R99)

This chapter contains the following blocks:

N00-N08	Glomerular diseases
N10-N16	Renal tubulo-interstitial diseases
N17-N19	Renal failure
N20-N23	Urolithiasis
N25-N29	Other disorders of kidney and ureter
N30-N39	Other diseases of urinary system
N40-N51	Diseases of male genital organs
N60-N64	Disorders of breast
N70-N77	Inflammatory diseases of female pelvic organs
N80-N98	Noninflammatory disorders of female genital tract
N99	Other disorders of genitourinary system

Asterisk categories for this chapter are provided as follows:

N08*	Glomerular disorders in diseases classified elsewhere
N16*	Renal tubulo-interstitial disorders in diseases classified elsewhere
N22*	Calculus of urinary tract in diseases classified elsewhere
N29*	Other disorders of kidney and ureter in diseases classified elsewhere
N33*	Bladder disorders in diseases classified elsewhere
N37*	Urethral disorders in diseases classified elsewhere
N51*	Disorders of male genital organs in diseases classified elsewhere
N74*	Female pelvic inflammatory disorders in diseases classified elsewhere
N77*	Vulvovaginal ulceration and inflammation in diseases classified elsewhere

N00-N08 Glomerular diseases

Use additional code, if desired, to identify external cause (Chapter XX) or presence of renal failure (N17-N19).

Excludes: hypertensive renal disease (I12.-)

The following fourth-character subdivisions classify morphological changes and are for use with categories N00-N07. Subdivisions .0-.8 should not normally be used unless these have been specifically

identified (e.g. by renal biopsy or autopsy). The three-character categories relate to clinical syndromes.

.0 Minor glomerular abnormality
Minimal change lesion
No glomerular abnormality on light microscopy

.1 Focal and segmental glomerular lesions
Focal and segmental glomerulosclerosis [FSGS]
Focal and segmental proliferative glomerulonephritis
Focal proliferative glomerulonephritis

.2 Diffuse membranous glomerulonephritis
Membranous glomerulonephritis

.3 Diffuse mesangial proliferative glomerulonephritis
Mesangial proliferative glomerulonephritis

.4 Diffuse endocapillary proliferative glomerulonephritis
Endocapillary proliferative glomerulonephritis
Diffuse exudative glomerulonephritis

.5 Diffuse mesangiocapillary glomerulonephritis
Membranoproliferative glomerulonephritis, types 1 and 3, or NOS

.6 Dense deposit disease
Membranoproliferative glomerulonephritis, type 2

.7 Diffuse crescentic glomerulonephritis
Extracapillary glomerulonephritis

.8 Other
Proliferative glomerulonephritis NOS
Diffuse mesangial sclerosis
Microcystic (Finnish) disease
Necrotising glomerulitis

.9 Unspecified

The following optional fifth-character subdivisions can be used with categories N00-N08 if desired:

.....0 with IgA deposits present
.....1 with other Ig deposits present
.....2 with thin basement membrane on electron microscopy
.....3 with 'Alport-like' basement membrane on electron microscopy

N00 Acute nephritic syndrome
@ [See page ??? for subdivisions]
Includes: acute (post-streptococcal): . glomerulonephritis
. nephritis
Excludes: acute infectious tubulo-interstitial nephritis (N10)
nephritic syndrome NOS (N05.-)
glomerulonephritis in infectious and parasitic diseases classified elsewhere (N08.0*)

N01 Rapidly progressive nephritic syndrome
@ [See page ??? for subdivisions]
Includes: rapidly progressive: . glomerulonephritis
. nephritis
Excludes: nephritic syndrome NOS (N05.-)

N02 Recurrent and persistent haematuria
[See page ??? for subdivisions]
Includes: haematuria (macroscopic)(microscopic):
. benign (familial)(of childhood)
. with morphological lesion specified in .0-.8 on page ???
Excludes: haematuria NOS (R31)
haematuria with persistent proteinuria, unspecified (N39.80)

N03 Chronic nephritic syndrome
@ [See page ??? for subdivisions]
Includes: chronic: . glomerulonephritis
. nephritis
Excludes: chronic tubulo-interstitial nephritis (N11.-)
nephritic syndrome NOS (N05.-)

N04 Nephrotic syndrome
[See page ??? for subdivisions]
Includes: congenital nephrotic syndrome
lipoid nephrosis
The following optional fifth-character subdivisions can be used with categories N04 if desired:
.....4 steroid responsive
.....5 steroid unresponsive

N05 Unspecified nephritic syndrome
@ [See page ??? for subdivisions]

N06 Isolated proteinuria with specified morphological lesion
@ [See page ??? for subdivisions]
Includes: proteinuria with morphological lesion specified in .0-.8 on page ???
Excludes: proteinuria: . NOS (R80)
. isolated NOS (R80)
. orthostatic NOS (N39.2)
. persistent NOS (N39.1)

N07 Hereditary nephropathy, not elsewhere classified
[See page ??? for subdivisions]
Includes: Drash syndrome
Excludes: Alport's syndrome (Q87.8)
hereditary amyloid nephropathy (E85.0)
nail patella syndrome (Q87.2)
non-neuropathic heredofamilial amyloidosis (E85.0)

N08* Glomerular disorders in diseases classified elsewhere
Includes: nephropathy in diseases classified elsewhere
Excludes: renal tubulo-interstitial disorders in diseases classified elsewhere (N16.-*)

N08.0* Glomerular disorders in infectious and parasitic diseases
@ classified elsewhere

N08.1* @ Glomerular disorders in neoplastic diseases
N08.2* @ Glomerular disorders in blood diseases and disorders involving the immune mechanism
Glomerular disorders in:
. haemolytic-uraemic syndrome (D59.3+)
. Henoch-Schönlein purpura (D69.0+)
N08.3* Glomerular disorders in diabetes mellitus (E10-E14+ with common fourth character .2)
N08.4* @ Glomerular disorders in other endocrine, nutritional and metabolic diseases
N08.5* Glomerular disorders in systemic connective tissue disorders
Glomerular disorders in:
. Goodpasture's syndrome (M31.0+)
. Kawasaki syndrome (M30.3+)
. polyarteritis nodosa (M30.0+)
. systemic lupus erythematosus (M32.1+)
. thrombotic thrombocytopenic purpura (M31.1+)
. Wegener's granulomatosis (M31.3+)
N08.8* Glomerular disorders in other diseases classified elsewhere
Glomerular disorders in subacute bacterial endocarditis (I33.0+)
N08.80* Shunt nephritis (T85.7)

N10-N16 $ Renal tubulo-interstitial diseases
@ Includes: pyelonephritis

N10 # Acute tubulo-interstitial nephritis
@ Acute: . infectious interstitial nephritis
. pyelonephritis
Use additional code (B95-B97), if desired, to identify infectious agent
Excludes: drug- and heavy-metal-induced tubulo-interstitial and tubular conditions (N14)

N11 Chronic tubulo-interstitial nephritis
@ Includes: chronic: . infectious interstitial nephritis
. pyelonephritis
Use additional code (B95-B97), if desired, to identify infectious agent.
Excludes: drug- and heavy-metal-induced tubulo-interstitial and tubular conditions (N14)
N11.0 Nonobstructive reflux-associated chronic pyelonephritis
@ Reflux nephropathy associated with urinary tract infection
Excludes: vesicoureteral reflux NOS (N13.7)
N11.1 Chronic obstructive pyelonephritis
@ Associated with (pelvi)ureteric obstruction
Excludes: calculous pyelonephritis (N20.9)
obstructive nephropathy (N13.-)
N11.8 Other chronic tubulo-interstitial nephritis
Nonobstructive chronic pyelonephritis NOS
N11.9 Chronic tubulo-interstitial nephritis, unspecified
Chronic:
. interstitial nephritis NOS
. pyelitis NOS
. pyelonephritis NOS

N13 Obstructive and reflux uropathy
@ Obstructive and reflux nephropathy
Includes: the renal damage secondary to certain congenital malformations (Q62.0-Q62.3)
Excludes: congenital obstructive defects of renal pelvis and ureter (Q62.0-Q62.3)
calculus of kidney and ureter without hydronephrosis (N20.-)

N13.0 Hydronephrosis with ureteropelvic junction obstruction
Hydronephrosis with pelviureteric junction obstruction
Excludes: with infection (N13.6)

N13.1 Hydronephrosis with ureteral stricture, not elsewhere classified
Excludes: with infection (N13.6)

N13.2 Hydronephrosis with renal and ureteral calculous obstruction
Excludes: with infection (N13.6)

N13.3 Other and unspecified hydronephrosis
Excludes: with infection (N13.6)

N13.4 Hydroureter
Excludes: with infection (N13.6)

N13.5 Kinking and stricture of ureter without hydronephrosis
Excludes: with infection (N13.6)

N13.6 Pyonephrosis
Acute pyonephrosis
Conditions in N13.0-N13.5 with infection
Obstructive uropathy with infection
Excludes: chronic obstructive pyelonephritis (N11.1)
renal and perinephric abscess (N15.1)
Use additional code (B95-B97), if desired, to identify infectious agent.

N13.7 Vesicoureteral-reflux-associated uropathy
Vesicoureteral-reflux-associated nephropathy
Reflux nephropathy with no proven urinary tract infection
Vesicoureteral reflux: . NOS
. with scarring
Excludes: reflux-associated pyelonephritis (N11.0)
congenital vesico-uretero-renal reflux [without renal damage] (Q62.7)

N13.8 Other obstructive and reflux uropathy
Obstructive uropathy associated with neuropathic bladder

N13.9 Obstructive and reflux uropathy, unspecified
Urinary tract obstruction NOS

N14 Drug- and heavy-metal-induced tubulo-interstitial and tubular conditions
Use additional external cause code (Chapter XX), if desired, to identify toxic agent.

N14.0 Analgesic nephropathy

N14.1 Nephropathy induced by other drugs, medicaments and biological substances

N14.2 Nephropathy induced by unspecified drug, medicament or biological substance

N14.3 Nephropathy induced by heavy metals

N14.4 Toxic nephropathy, not elsewhere classified

N15 Other renal tubulo-interstitial diseases

N15.0 @ Balkan nephropathy

N15.1 Renal and perinephric abscess

N15.8 Other specified renal tubulo-interstitial diseases
N15.9 Renal tubulo-interstitial disease, unspecified
Infection of kidney NOS
Excludes: urinary tract infection NOS (N39.0)

N16* $$ Renal tubulo-interstitial disorders in diseases classified elsewhere
N16.2* Renal tubulo-interstitial disorders in blood diseases and disorders involving the immune system
Xanthogranulomatous pyelonephritis (D76.3+)
N16.3* @ Renal tubulo-interstitial disorders in metabolic diseases
N16.30* Renal tubulo-interstitial disorders in cystinosis (E72.0+)
N16.38* Renal tubulo-interstitial disorders in other metabolic diseases
N16.4* @ Renal tubulo-interstitial disorders in systemic connective tissue disorders
N16.5* @ Renal tubulo-interstitial disorders in transplant rejection (T86.-+)

N17-N19 Renal failure
@ Use additional external cause code (Chapter XX), if desired, to identify external agent.
Excludes: congenital renal failure (P96.0)
drug- and heavy-metal-induced tubulo-interstitial and tubular conditions (N14.-)
haemolytic-uraemic syndrome (D59.3-)
hepatorenal syndrome (K76.7)
prerenal uraemia (R39.2)
postprocedural renal failure (N99.0)

N17 Acute renal failure
The following optional fifth character BPA extension can be used for N17.0-N17.9:
.....0 requiring dialysis
.....1 not requiring dialysis

N17.0 @ Acute renal failure with tubular necrosis
N17.1 @ Acute renal failure with acute cortical necrosis
N17.2 Acute renal failure with medullary necrosis
@ Acute renal failure with papillary necrosis
N17.8 Other acute renal failure
N17.9 Acute renal failure, unspecified

N18 Chronic renal failure
@ Includes: chronic uraemia
Excludes: chronic renal failure due to hypertension (I12.0)
N18.0 End-stage renal disease
N18.00 End-stage renal disease, without renal replacement therapy
N18.01 End-stage renal disease, on dialysis
N18.02 End-stage renal disease, with renal transplant
N18.8 @ Other chronic renal failure
N18.9 Chronic renal failure, unspecified

N19 # Unspecified renal failure
Uraemia NOS
Excludes: hypertensive renal disease with renal failure (I12.0)
uraemia of newborn (P96.0)

N20-N23 Urolithiasis
Use extra code, from chapter XIX to indicate any associated foreign body (T19.-), if desired.

N20 Calculus of kidney and ureter
Excludes: with: .hydronephrosis (N13.2)
.pyonephrosis (N13.6)
nephrocalcinosis (E83.5+, N29.8*)
For specific metabolic diseases see E70-E90

N20.0 Calculus of kidney
@ Nephrolithiasis NOS
Staghorn calculus
Stone in kidney

N20.1 @ Calculus of ureter

N20.2 Calculus of kidney with calculus of ureter

N20.9 @ Urinary calculus, unspecified

N21 Calculus of lower urinary tract
Includes: with cystitis and urethritis

N21.0 Calculus in bladder
Calculus in diverticulum of bladder
Urinary bladder stone
Excludes: staghorn calculus (N20.0)

N21.1 Calculus in urethra

N21.8 Other lower urinary tract calculus

N21.9 Calculus of lower urinary tract, unspecified

N22* $$ Calculus of urinary tract in diseases classified elsewhere

N23 # Unspecified renal colic

N25-N29 $ Other disorders of kidney and ureter
Excludes: with urolithiasis (N20-N23)

N25 Disorders resulting from impaired renal tubular function
Excludes: metabolic disorders classifiable to E70-E90

N25.0 Renal osteodystrophy
@ Renal rickets
See E83.3 for Disorders of phosphorus metabolism

N25.1 Nephrogenic diabetes insipidus

N25.10 Primary (congenital) nephrogenic diabetes insipidus

N25.11 Secondary nephrogenic diabetes insipidus
Nephrogenic diabetes insipidus secondary to:
.medullary sponge kidney
.secondary to cystinosis

N25.8 Other disorders resulting from impaired renal tubular
@ function
Excludes: Bartter's syndrome (E26.80)
disorders of amino-acid transport (E72.0-)

N25.80 Proximal renal tubular acidosis

N25.81 Distal renal tubular acidosis
N25.82 Mixed renal tubular acidosis
N25.83 Renal tubular acidosis NOS
N25.9 Disorder resulting from impaired renal tubular function, unspecified

N27 Small kidney of unknown cause
N27.0 Small kidney, unilateral
N27.1 Small kidney, bilateral
N27.9 Small kidney, unspecified

N28 Other disorders of kidney and ureter, not elsewhere classified
Excludes: hydroureter (N13.4)
renal disease: . acute NOS (N00.9)
. chronic NOS (N03.9)
ureteric kinking and stricture:
. with hydronephrosis (N13.1)
. without hydronephrosis (N13.5)
N28.0 Ischaemia and infarction of kidney
@ Renal artery: . embolism
. obstruction
. occlusion
. thrombosis
Renal infarct
Excludes: renal artery stenosis: . congenital (Q27.1)
. acquired (I70.1)
embolism and thrombosis of renal vein (I82.3)
N28.1 Cyst of kidney, acquired
@ Excludes: cystic kidney disease (congenital) (Q61.-)
N28.8 Other specified disorders of kidney and ureter
@ Pyeloureteritis cystica
(Secondary) hypertrophy of kidney
Excludes: congenital hyperplastic and giant kidney (Q63.3)
N28.9 Disorder of kidney and ureter, unspecified
@ Excludes: nephropathy NOS and renal disease NOS with morphological lesion specified in .0-.8 on page ??? (N05.-)

N29* $$ Other disorders of kidney and ureter in diseases classified elsewhere
N29.80* Nephrocalcinosis (E83.5+)

N30-N39 Other diseases of urinary system
@ Excludes: urinary infection with urolithiasis (N20-N23)

N30 $$ Cystitis
@ Use additional code, if desired, to identify infectious agent (B95-B97) or responsible external agent (Chapter XX)
N30.0 Acute cystitis
@ Excludes: irradiation cystitis (N30.4)
N30.1 Interstitial cystitis (chronic)
N30.2 Other chronic cystitis
Cystitis cystica
Cystitis follicularis
N30.4 Irradiation cystitis

```
N30.80    Abscess of bladder
           Pyocystis
N30.9     Cystitis, unspecified

N31       Neuromuscular dysfunction of bladder, not elsewhere
@           classified
           Includes: neuromuscular dysfunction of bladder due to spina
                      bifida
            Use extra code from Chapter XVII, (Q05.-), to indicate type
             of spina bifida, if desired.
           Excludes: due to acquired spinal cord lesion (G95.8)
                     due to cauda equina syndrome (G83.40)
                     urinary incontinence: . NOS (R32)
                                           . specified (N39.3-N39.4)
                     nonorganic enuresis (F98.0)

            The following optional fifth character BPA extensions can
             be used with N31.0-N31.9:
              .....0 with identifiable neurological lesion
              .....1 without identifiable neurological lesion [occult]

N31.0     Uninhibited neuropathic bladder, not elsewhere classified
N31.1     Reflex neuropathic bladder, not elsewhere classified
N31.2     Flaccid neuropathic bladder, not elsewhere classified
           Neuropathic bladder: . atonic (motor)(sensory)
                                . autonomous
                                . nonreflex
N31.8     Other neuromuscular dysfunction of bladder
N31.9   @ Neuromuscular dysfunction of bladder, unspecified

N32    $$ Other disorders of bladder
@           Excludes: calculus in bladder (N21.0)
                      congenital malformations of bladder (Q64.-)
N32.3   @ Diverticulum of bladder
N32.4     Rupture of bladder, nontraumatic
N32.80    Contracted bladder

N33*   $$ Bladder disorders in diseases classified elsewhere

N34       Urethritis and urethral syndrome
@           Use additional code (B95-B97), if desired, to identify
              infectious agent
N34.0   @ Urethral abscess
N34.1     Nonspecific urethritis
           Urethritis: . nongonococcal
                       . nonvenereal
N34.2     Other urethritis
@          Meatitis, urethral
           Ulcer, urethra (meatus)
           Urethritis NOS
N34.3     Urethral syndrome, unspecified

N35       Urethral stricture
           Excludes: atresia and stenosis of urethra and bladder
                      neck (Q64.3)
                     postprocedural urethral stricture (N99.1)
N35.0   @ Post-traumatic urethral stricture
N35.1     Postinfective urethral stricture, not elsewhere classified
```

N35.8 Other urethral stricture
N35.9 Urethral stricture, unspecified
Pinhole meatus NOS

N36 $$ Other disorders of urethra
Excludes: postprocedural fistula of urethra (N99.8)

N37* $$ Urethral disorders in diseases classified elsewhere

N39 $$ Other disorders of urinary system
Excludes: haematuria: . NOS (R31)
. recurrent and persistent (N02.-)
. with specified morphological lesion (N02.-)
proteinuria NOS (R80)
N39.0 Urinary tract infection, site not specified
UTI
Use additional code (B95-B97), if desired, to identify infectious agent.
N39.1 Persistent proteinuria, unspecified
@ Excludes: with specified morphological lesion (N06.-)
N39.2 Orthostatic proteinuria, unspecified
Excludes: with specified morphological lesion (N06.-)
N39.3 Stress incontinence
N39.4 Other specified urinary incontinence
@ Overflow)
Giggle) incontinence
Urge)
Detrusor instability
Excludes: enuresis: . NOS (R32)
. of nonorganic origin (F98.0)
N39.8 Other specified disorders of urinary system
N39.80 Haematuria with persistent proteinuria, unspecified

N40-N51 $ Diseases of male genital organs

N40 # Hyperplasia of prostate
@

N41 $$ Inflammatory diseases of prostate
@

N43 $$ Hydrocele and spermatocele
Includes: hydrocele of spermatic cord, testis or tunica vaginalis
hydrocele associated with peritoneal dialysis or ascites
Excludes: congenital hydrocele (P83.5-)

N44 # Torsion of testis
Torsion of spermatic cord
N44.X0 Torsion of testicle
N44.X1 Torsion of epididymis
N44.X2 Torsion of epididymal cyst

N45 Orchitis and epididymitis
Use additional code (B95-B97), if desired, to identify infectious agent.
N45.0 @ Orchitis, epididymitis and epididymo-orchitis with abscess
N45.9 Orchitis,epididymitis and epididymo-orchitis without abscess
Epididymitis NOS
Orchitis NOS

N47 # Redundant prepuce, phimosis and paraphimosis
@
N47.X0 Phimosis
N47.X1 Paraphimosis
N47.X2 Adherent prepuce

N48 $$ Other disorders of penis
N48.1 Balanoposthitis
Balanitis
Use additional code (B95-B97), if desired, to identify infectious agent.
N48.2 @ Other inflammatory disorders of penis
N48.3 @ Priapism
N48.5 Ulcer of penis
N48.6 Balanitis xerotica obliterans
Plastic induration of penis

N49 $$ Inflammatory disorders of male genital organs, not elsewhere
@ classified

N50 Other disorders of male genital organs
Excludes: torsion of testis (N44)
N50.0 Atrophy of testis
N50.1 Vascular disorders of male genital organs
Haematocele NOS)
Haemorrhage) of male genital organs
Thrombosis)
N50.8 Other specified disorders of male genital organs
Atrophy) of scrotum, seminal vesicle,
Hypertrophy) spermatic cord, testis [except
Oedema) atrophy], tunica vaginalis and vas
Ulcer) deferens
Chylocele, tunica vaginalis (nonfilarial) NOS
Fistula, urethroscrotal
Stricture of: . spermatic cord
. tunica vaginalis
. vas deferens
N50.9 Disorder of male genital organs, unspecified

N51* $$ Disorders of male genital organs in diseases elsewhere
classified
N51.10* Mumps orchitis (B26.0+)

N60-N64 $ Disorders of breast

N61 # Inflammatory disorders of breast
@ Excludes: neonatal infective mastitis (P39.0)

N62 # Hypertrophy of breast
Gynaecomastia
Hypertrophy of breast: . NOS
. massive pubertal
Excludes: breast engorgement of newborn (P83.4)
premature thelarche (E30.80)
thelarche variant (E30.81)

N63 # Unspecified lump in breast
@

N70-N77 $ Inflammatory diseases of female pelvic organs

N76 $$ Other inflammation of vagina and vulva
@ Use additional code (B95-B97), if desired, to identify infectious agent.
N76.0 Acute vaginitis
Vaginitis NOS
Vulvovaginitis: . NOS
. acute
N76.1 Subacute and chronic vaginitis
Vulvovaginitis: . chronic
. subacute
N76.2 Acute vulvitis
Vulvitis NOS
N76.3 Subacute and chronic vulvitis
N76.80 Fused labia secondary to inflammation

N80-N98 $ Noninflammatory disorders of female genital tract

N83 $$ Noninflammatory disorders of ovary, fallopian tube and broad ligament
@
N83.0 @ Follicular cyst of ovary
N83.1 @ Corpus luteum cyst
N83.2 Other and unspecified ovarian cysts
@ Excludes: developmental ovarian cyst (Q50.1)
N83.5 Torsion of ovary, ovarian pedicle and fallopian tube
@ Torsion in congenital hydrosalpinx
Excludes: congenital torsion of ovary (Q50.2)

N89 $$ Other noninflammatory disorders of vagina
@
N89.7 Haematocolpos
@ Haematometra with haematocolpos
N89.80 Vaginal discharge, unspecified
Leukorrhoea

N91 Absent, scanty and rare menstruation
Excludes: ovarian dysfunction (E28.-)
N91.0 Primary amenorrhoea
Failure to start menstruation at puberty
N91.1 @ Secondary amenorrhoea
N91.2 @ Amenorrhoea, unspecified
N91.3 @ Primary oligomenorrhoea
N91.4 @ Secondary oligomenorrhoea
N91.5 @ Oligomenorrhoea, unspecified

N92 $$ Excessive, frequent and irregular menstruation
@
N92.0 Excessive and frequent menstruation with regular cycle
@ Heavy periods NOS
Menorrhagia NOS
N92.1 @ Excessive and frequent menstruation with irregular cycle
N92.2 @ Excessive menstruation at puberty
N92.6 Irregular menstruation, unspecified
@ Irregular: . bleeding NOS
. periods NOS

N94 $$ Pain and other conditions associated with female genital organs and menstrual cycle
N94.0 Mittelschmerz
N94.4 Primary dysmenorrhoea
N94.5 Secondary dysmenorrhoea
N94.6 Dysmenorrhoea, unspecified

N99 Other disorders of the genitourinary system

N99 $$ Postprocedural disorders of genitourinary system, not elsewhere classified
@ Excludes: irradiation cystitis (N30.4)
N99.0 Postprocedural renal failure
N99.1 Postprocedural urethral stricture
Postcatheterization urethral stricture
N99.80 Postprocedural fistula of genitourinary tract
N99.81 Post-renal biopsy disorders
Post-renal biopsy: .haematuria
.extravasation of urine

Chapter XV, (O00-O99)
Pregnancy, childbirth and the puerperium

While recognising that pregnancy occurs in those in the paediatric age range, it is generally outside the remit of paediatricians. Please see ICD-10 for all details relating to childbirth and the puerperium.

Chapter XVI, (P00-P96)

Certain conditions originating in the perinatal period

Includes: conditions which have their origin in the perinatal period even though death or morbidity occurs later
Excludes: congenital malformations, deformations and chromosomal abnormalities (Q00-Q99)
endocrine, nutritional and metabolic diseases (E00-E90)
injury, poisoning and certain consequences of external causes (S00-T98)
neoplasms (C00-D48)
tetanus neonatorum (A33).

This chapter contains the following blocks:

P00-P04 Fetus and newborn affected by maternal factors and by complications of pregnancy, labour and delivery
[For coding the same conditions in the mother on a record relating specifically to her, use codes from Chapter XV Pregnancy, childbirth and the puerperium.]
P05-P08 Disorders related to length of gestation and fetal growth
P10-P15 Birth trauma
P20-P29 Respiratory and cardiovascular disorders specific to the perinatal period
P35-P39 Infections specific to the perinatal period
P50-P61 Haemorrhagic and haematological disorders of fetus and newborn
P70-P74 Transitory endocrine and metabolic disorders specific to fetus and newborn
P75-P78 Digestive system disorders of fetus and newborn
P80-P83 Conditions involving the integument and temperature regulation of fetus and newborn
P90-P96 Other disorders originating in the perinatal period

P00-P04 **Fetus and newborn affected by maternal factors and complications of pregnancy, labour and delivery**
Includes: the listed conditions only when specified as a cause of mortality or morbidity in fetus or newborn
Excludes: specified birth injuries P10-P15

P00 **Fetus and newborn affected by maternal conditions that may be unrelated to pregnancy**
Excludes: fetus and newborn affected by:
- maternal complications of pregnancy (P01.-)
- maternal endocrine and metabolic disorders (P70-74)
- noxious influences transmitted via placenta or breast milk (P04.-)

P00.0 Fetus and newborn affected by maternal hypertensive disorders
Fetus or newborn affected by maternal conditions classifiable to O10-O11, O13-O16. (See ICD-10 for details)
Fetus or newborn affected by pregnancy induced hypertension [PIH]

P00.1 Fetus and newborn affected by maternal renal and urinary tract diseases
Fetus or newborn affected by maternal conditions classifiable to N00-N39

P00.2 Fetus and newborn affected by maternal infectious and parasitic diseases
Fetus or newborn affected by maternal infectious disease classifiable to A00-B99, J10-J11, but not itself manifesting that disease
Excludes: infections specific to the perinatal period (P35-P39)
maternal genital tract and other localised infections (P00.8)

P00.3 Fetus and newborn affected by other maternal circulatory and respiratory diseases
Fetus or newborn affected by maternal conditions classifiable to I00-I99, J00-J99, Q20-Q34, and not included in P00.0-P00.2

P00.4 Fetus and newborn affected by maternal nutritional disorders
Fetus or newborn affected by maternal disorders classifiable to E40-E64
Maternal malnutrition NOS

P00.5 Fetus and newborn affected by maternal injury
Fetus or newborn affected by maternal conditions classifiable to S00-T79

P00.6 Fetus and newborn affected by surgical procedure on mother
Fetus and newborn affected by maternal laparotomy
Excludes: caesarean section for present delivery (P03.4)
damage to placenta from amniocentesis, caesarean section or surgical induction (P02.1)
previous surgery to uterus or pelvic organs (P03.8)
termination of pregnancy, fetus (P96.4)

P00.7 Fetus and newborn affected by other medical procedures on mother, not elsewhere classified
Fetus or newborn affected by radiology on mother
Excludes: damage to placenta from amniocentesis, caesarean section or surgical induction (P02.1)
fetus or newborn affected by other complications of labour and delivery (P03.-)

P00.8 Fetus and newborn affected by other maternal conditions
Fetus or newborn affected by:
.conditions classifiable to T80-T88
.maternal genital tract and other localised infections
.maternal systemic lupus erythematosus
.maternal epilepsy
Excludes: fetus and newborn affected by maternal anticonvulsant therapy (P04.1)
transitory neonatal endocrine and metabolic disorders (P70-P74)

P00.9 Fetus and newborn affected by unspecified maternal condition

P01 Fetus and newborn affected by maternal complications of pregnancy

P01.0 Fetus and newborn affected by incompetent cervix

P01.1 Fetus and newborn affected by premature rupture of membranes
Pulmonary hypoplasia due to prolonged rupture of the membranes

P01.10 Fetus and newborn affected by prolonged rupture of the membranes of 1-7 days
Neonate affected by rupture of membranes for more than one and less than 7 completed days, regardless of gestation

P01.11 Fetus and newborn affected by prolonged rupture membranes of more than 7 days
Neonate affected by rupture of membranes for more than 7 completed days, regardless of gestation

P01.2 Fetus and newborn affected by oligohydramnios
Excludes: when due to premature rupture of membranes (P01.1)

P01.3 Fetus and newborn affected by polyhydramnios
Hydramnios

P01.4 Fetus and newborn affected by ectopic pregnancy
Abdominal pregnancy

P01.5 Fetus and newborn affected by multiple pregnancy
Fetus and newborn affected by: .multiple pregnancy NOS
.triplet (pregnancy)
.twin (pregnancy)

P01.50 Fetus and newborn affected by death of other fetus

P01.6 Fetus and newborn affected by maternal death

P01.7 @ Fetus and newborn affected by malpresentation before labour

P01.8 Fetus and newborn affected by other maternal complications of pregnancy
Spontaneous abortion, fetus

P01.9 Fetus and newborn affected by maternal complications of pregnancy, unspecified

P02 Fetus and newborn affected by complications of placenta, cord and membranes

P02.0 Fetus and newborn affected by placenta praevia

P02.1 @ Fetus and newborn affected by other forms of placental separation and haemorrhage

P02.10 Fetus and newborn affected by abruption, accidental haemorrhage, maternal blood loss, antepartum haemorrhage and premature separation of the placenta
Fetus and newborn affected by antepartum haemorrhage [APH]

P02.11 Fetus and newborn affected by damage to placenta by amniocentesis

P02.12 Fetus and newborn affected by damage to placenta at caesarean section

P02.13 Fetus and newborn affected by damage to placenta at surgical induction

P02.2 Fetus and newborn affected by other and unspecified morphological and functional abnormalities of placenta
Placental: . dysfunction
. infarction
. insufficiency

P02.3 Fetus and newborn affected by placental transfusion syndromes
Placental and cord abnormalities resulting in twin-to-twin or other transplacental transfusion.
Use additional code, if desired, to indicate resultant condition in the fetus or newborn e.g. P61.1 or P61.3

P02.30 Fetus and newborn affected by materno-fetal transfusion

P02.4 Fetus and newborn affected by prolapsed cord

P02.5 Fetus and newborn affected by other compression of umbilical cord
Entanglement of cord

P02.50 Fetus and newborn affected by cord (tightly) around neck

P02.51 Fetus and newborn affected by knot in cord
P02.59 Fetus and newborn affected by cord compression NOS
P02.6 Fetus and newborn affected by other and unspecified conditions of umbilical cord
Excludes: single umbilical artery (Q27.0)
P02.60 Fetus and newborn affected by short cord
P02.61 Fetus and newborn affected by vasa praevia
P02.7 @ Fetus and newborn affected by chorioamnionitis
P02.8 Fetus and newborn affected by other abnormalities of membranes
P02.9 Fetus and newborn affected by abnormality of membranes, unspecified

P03 Fetus and newborn affected by other complications of labour and delivery
P03.0 Fetus and newborn affected by breech delivery and extraction
P03.1 Fetus and newborn affected by other malpresentation,
@ malposition and disproportion during labour and delivery
P03.10 Fetus and newborn affected by malpresentation and malposition during labour and delivery
P03.11 Fetus and newborn affected by cephalopelvic disproportion during labour and delivery
Fetus and newborn affected by contracted maternal pelvis
Fetus and newborn affected by shoulder dystocia
P03.2 Fetus and newborn affected by forceps delivery
P03.3 Fetus and newborn affected by delivery by vacuum extractor [ventouse]
P03.4 Fetus and newborn affected by caesarean delivery
P03.5 Fetus and newborn affected by precipitate delivery
Rapid second stage
P03.6 Fetus and newborn affected by abnormal uterine contractions
@ Fetus or newborn affected by conditions classifiable to O62.-, except .3
P03.8 Fetus and newborn affected by other specified complications of labour delivery
P03.80 Fetus and newborn affected by abnormality of maternal soft tissues
P03.81 Fetus and newborn affected by destructive operation to facilitate delivery
P03.82 Fetus and newborn affected by conditions classifiable to O60-O75
(See ICD-10 for further details).
P03.83 Fetus and newborn affected by other procedures used in labour
P03.84 Fetus and newborn affected by medical induction of labour
Excludes: fetus and newborn affected by surgical induction of labour P02.13
P03.85 Fetus and newborn affected by long labour
P03.9 Fetus and newborn affected by complications of labour and delivery, unspecified

P04 Fetus and newborn affected by noxious influences transmitted via placenta or breast milk
Includes: nonteratogenic effects of substances transmitted via placenta
Excludes: congenital malformations (Q00-Q99)
neonatal jaundice from other excessive haemolysis due to drugs or toxins transmitted from mother (P58.4)
reaction and intoxication from drugs administered to baby (T36-T50)

P04.0 Fetus and newborn affected by maternal anaesthesia and analgesia in pregnancy, labour and delivery
Reactions and intoxications from maternal opiates and tranquillisers administered during labour and delivery

P04.00 Fetus and newborn affected by maternal general anaesthesia

P04.01 Fetus and newborn affected by maternal epidural anaesthesia

P04.02 Fetus and newborn affected by maternal opiates in pregnancy, labour and delivery
Excludes: fetus and newborn affected by maternal use of drugs of addiction (P04.4)

P04.03 Fetus and newborn affected by other analgesics, (non-opiate), in pregnancy, labour and delivery

P04.04 Fetus and newborn affected by maternal tranquillisers in pregnancy, labour and delivery

P04.05 Fetus and newborn affected by maternal anaesthesia and analgesia in pregnancy, labour and delivery NOS

P04.1 Fetus and newborn affected by other maternal medication
Excludes: dysmorphism due to Warfarin (Q86.2)
fetal hydantoin syndrome (Q86.1)
maternal use of drugs of addiction (P04.4)

P04.10 Fetus and newborn affected by maternal cancer chemotherapy

P04.11 Fetus and newborn affected by other maternal cytotoxic drugs

P04.12 Fetus and newborn affected by maternal antibiotic and other anti-infective agents

P04.13 Fetus and newborn affected by maternal antihypertensive drug
Fetus and newborn affected by maternal propranolol

P04.14 Fetus and newborn affected by uterine relaxants
Fetus and newborn affected by maternal: .ritodrine
.salbutamol

P04.2 Fetus and newborn affected by maternal use of tobacco

P04.3 Fetus and newborn affected by maternal use of alcohol
Excludes: fetal alcohol syndrome (Q86.0)

P04.4 Fetus and newborn affected by maternal use of drugs of addiction
Excludes: maternal anaesthesia and analgesia (P04.0)
withdrawal symptoms from maternal use of drugs of addiction (P96.1)

P04.40 Fetus and newborn affected by maternal use of narcotic drugs

P04.41 Fetus and newborn affected by maternal use of hallucinogens

P04.42 Fetus and newborn affected by maternal use of cocaine
Fetus and newborn affected by maternal use of cocaine derivatives including "crack"

P04.48 Fetus and newborn affected by maternal use of other drugs of addiction

P04.5 Fetus and newborn affected by maternal use of nutritional chemical substances

P04.6 Fetus and newborn affected by maternal exposure to environmental chemical substances

P04.8 Fetus and newborn affected by other maternal noxious influences
Fetus and newborn affected by maternal corticosteroids
P04.9 Fetus and newborn affected by maternal noxious influence, unspecified

P05-P08 Disorders related to length of gestation and fetal growth

P05 Slow fetal growth and fetal malnutrition
P05.0 Light for gestational age
Usually referred to as weight below but length above 10th centile for gestational age
Light-for-dates
Asymmetrical growth retardation
Excludes: small-for-dates, (P05.1-)
P05.00 Light for gestational age, weight on or above third but below 10th centile and length above 10th centile
P05.01 Light for gestational age, weight below 3rd centile but length above 10th centile
P05.02 Light for gestational age, weight below 3rd centile but length on or above 3rd centile and below 10th centile
P05.1 Small for gestational age
@ Usually referred to as weight and length below 10th centile for gestational age.
Small-and-light-for-dates
Symmetrical growth retardation
Excludes: light-for-dates, (P05.0-)
P05.10 Small for gestational age, weight and length on or above 3rd but below 10th centile
P05.11 Small for gestational age, weight and length below 3rd centile
P05.2 Fetal malnutrition without mention of light or small for gestational age
Infants, not light or small for gestational age, showing signs of fetal malnutrition, such as dry, peeling skin and loss of subcutaneous tissue
Excludes: fetal malnutrition with mention of:
.light for gestational age (P05.0)
.small for gestational age (P05.1)
P05.9 Slow fetal growth, unspecified
Fetal growth retardation NOS
Intrauterine growth retardation
[IUGR]

P07 Disorders related to short gestation and low birth weight, not elsewhere classified
Note: When both birth weight and gestational age are available, priority of assignment should be given to birth weight.
Includes: the listed conditions, without further specification, as the cause of mortality, morbidity or additional care in newborn
Excludes: low birth weight due to slow fetal growth and fetal malnutrition (P05.-)

P07.0 **Extremely low birth weight**
Birth weight 999g or less
P07.00 Infant of birth weight 499g or less
P07.01 Infant of birth weight 500-749g
P07.02 Infant of birth weight 750-999g

P07.1 **Other low birth weight**
Birth weight 1000-2499g
P07.10 Infant of birth weight 1000-1249g
P07.11 Infant of birth weight 1250-1499g
P07.12 Infant of birth weight 1500-2499g

P07.2 **Extreme immaturity**
Less than 28 completed weeks (less than 196 completed days) of gestation
P07.20 An infant of maturity of less than 24 completed weeks
An infant of maturity of less than 168 completed days
P07.21 An infant of maturity of 24 or more completed weeks but less than 28 completed weeks
An infant of maturity of 168 or more completed days but less than 196 completed days

P07.3 **Other preterm infants**
An infant of 28 completed weeks or more but less than 37 completed weeks (196 completed days but less than 259 completed days) of gestation
P07.30 An infant of maturity of 28 completed weeks or more and less than 32 completed weeks
An infant of maturity of 196 completed days but less than 224 completed days
P07.31 An infant of maturity of 32 completed weeks or more and less than 37 completed weeks
An infant of maturity of 224 completed days but less than 259 completed days
P07.39 Prematurity NOS

P08 **Disorders related to long gestation and high birth weight**
Note: When both birth weight and gestational age are available, priority of assignment should be given to birth weight.
Includes: the listed conditions, without further specification, as causes of mortality, morbidity or additional care, in fetus or newborn
P08.0 Exceptionally large baby
Usually implies a birth weight of 4500g or more
Excludes: syndrome of:
. infant of diabetic mother (P70.1)
. infant of mother with gestational diabetes (P70.0)
P08.1 Other heavy for gestational age infants
Other fetus or infant heavy- or large-for-dates regardless of period of gestation
P08.2 Post-term infant, not heavy for gestational age
Fetus or infant with gestation period of 42 completed weeks or more (294 days or more), not heavy- or large-for-dates
Postmaturity NOS

P10-P15 Birth trauma

P10 Intracranial laceration and haemorrhage due to birth injury
Excludes: intracranial haemorrhage of fetus or newborn:
.NOS (P52.9)
.due to anoxia or hypoxia (P52.-)

P10.0 Subdural haemorrhage due to birth injury
Subdural haematoma (localised) due to birth injury
Excludes: subdural haemorrhage accompanying tentorial tear (P10.4)

P10.1 Cerebral haemorrhage due to birth injury

P10.2 Intraventricular haemorrhage due to birth injury

P10.3 Subarachnoid haemorrhage due to birth injury

P10.4 Tentorial tear due to birth injury

P10.8 Other intracranial lacerations and haemorrhages due to birth injury

P10.9 Unspecified intracranial laceration and haemorrhage due to birth injury

P11 Other birth injuries to central nervous system

P11.0 Cerebral oedema due to birth injury

P11.1 Other specified brain damage due to birth injury
Hypoxic ischaemic encephalopathy [HIE] *known to be* due to birth injury

P11.2 Unspecified brain damage due to birth injury

P11.3 Birth injury to facial nerve
Facial palsy due to birth injury

P11.4 Birth injury to other cranial nerves

P11.5 Birth injury to spine and spinal cord

P11.50 Fracture of spine due to birth injury

P11.9 Birth injury to central nervous system, unspecified

P12 Birth injury to scalp

P12.0 Cephalhaematoma due to birth injury

P12.1 Chignon due to birth injury
(from vacuum extractor)

P12.2 Epicranial subaponeurotic haemorrhage due to birth injury

P12.3 Bruising of scalp due to birth injury

P12.4 Monitoring injury of scalp of newborn

P12.40 Injury to scalp of newborn due to sampling incision

P12.41 Injury to scalp of newborn due to scalp clip (electrode)

P12.8 Other birth injuries to scalp

P12.80 Caput succedaneum

P12.81 Abrasions of scalp due to birth injury

P12.9 Birth injury to scalp, unspecified

P13 Birth injury to skeleton
Excludes: birth injury to spine (P11.5)

P13.0 Fracture of skull due to birth injury

P13.1 Other birth injuries to skull
Excludes: cephalhaematoma (P12.0)

P13.2 Birth injury to femur

P13.3 Birth injury to other long bones
Excludes: fracture of humerus due to birth injury (P13.30)

P13.30 Fracture of humerus due to birth injury

P13.4 Fracture of clavicle due to birth injury

P13.8 Birth injury to other parts of skeleton
Fracture of ribs due to birth injury

P13.9 Birth injury to skeleton, unspecified

P14 Birth injury to peripheral nervous system
P14.0 Erb's paralysis due to birth injury
Erb's palsy due to birth injury
P14.1 Klumpke's paralysis due to birth injury
Klumpke's palsy due to birth injury
P14.2 Phrenic nerve paralysis due to birth injury
P14.3 Other brachial plexus birth injuries
P14.39 Birth injury to brachial plexus, unspecified
P14.8 Birth injuries to other parts of peripheral nervous system
P14.9 Birth injury to peripheral nervous system, unspecified

P15 Other birth injuries
P15.0 Birth injury to liver
Rupture of liver due to birth injury
Subcapsular haematoma of liver
P15.1 Birth injury to spleen
Rupture of spleen due to birth injury
P15.2 Sternomastoid injury due to birth injury
Torticollis due to birth injury
Sternomastoid haematoma
Excludes: congenital sternomastoid deformity (Q68.0)
P15.3 Birth injury to eye
P15.30 Subconjunctival haemorrhage due to birth injury
P15.31 Traumatic glaucoma due to birth injury
P15.38 Other birth injury to eye
P15.4 Birth injury to face
Facial congestion due to birth injury
P15.5 Birth injury to external genitalia
P15.50 Testicular haematoma due to birth injury
P15.51 Vulval haematoma due to birth injury
P15.58 Other birth injury to external genitalia
P15.6 Subcutaneous fat necrosis due to birth injury
P15.8 Other specified birth injuries
P15.80 Birth injury due to scalpel wound
P15.9 Birth injury, unspecified

P20-P29 Respiratory and cardiovascular disorders specific to the perinatal period

P20 Intrauterine hypoxia
Includes: abnormal fetal heart rate
fetal or intrauterine: .acidosis
.anoxia
.asphyxia
.distress
.hypoxia
meconium in liquor
passage of meconium [meconium stained liquor]
Excludes: intracranial haemorrhage due to anoxia or hypoxia (P52.-)
P20.0 Intrauterine hypoxia first noticed before onset of labour
Those conditions described at P20, above, if noted before onset of labour

P20.1 Intrauterine hypoxia first noted during labour and delivery
Those conditions described at P20, above, if first noted during labour or delivery

P20.9 Intrauterine hypoxia, unspecified

P21 Birth asphyxia
Note: This category is *not* to be used for low Apgar score in isolation, i.e. *without* mention of asphyxia or other respiratory problems.
For poor condition at birth, (with low Apgar score), without mention of asphyxia use P22.8-.
For hypoxic-ischaemic encephalopathy of uncertain cause, see P91.80-P91.82.
For hypoxic-ischaemic encephalopathy *known to be* due to birth injury see P11.1
For non-asphyxial encephalopathy see P91.3-P91.5.
Please note, the recommendation to use codes P22.8- and P91.- has been advised by the BPA and the British Association of Perinatal Medicine. This usage is *not* recommended by WHO in ICD-10.

Excludes: intrauterine hypoxia or asphyxia (P20.-)

P21.0 Severe birth asphyxia
@ Birth asphyxia requiring combined cardiopulmonary resuscitation. (White asphyxia). Compromise of at least two organ systems, (from - brain, kidneys, bowel and heart) is expected. Neonatal convulsions are required for this diagnosis.

P21.1 Mild and moderate birth asphyxia
@ Birth asphyxia requiring other active resuscitation. (Blue asphyxia). Baby will show mild neurological abnormalities, including poor feeding and changes in tone. Convulsions do not necessarily occur.

P21.9 @ Birth asphyxia, unspecified

P22 Respiratory distress of newborn
Excludes: respiratory failure of newborn (P28.5)

P22.0 Respiratory distress syndrome of newborn
Hyaline membrane disease
(Surfactant deficient) RDS

P22.1 Transient tachypnoea of newborn
TTN
Wet lung syndrome
Tachypnoea commencing, usually, within 6 hours of birth and usually beginning to resolve within 24 hours of birth

P22.8 Other respiratory distress of newborn

P22.80 Infant in poor condition at birth, without known asphyxia
Infant with Apgar score of 4-7 at 1 minute with no mention of birth asphyxia.
Infant who has not established normal respiration at one minute but has a heart rate of 100 or greater with some muscle tone and with some response to stimulation.
For subsequent effects see also P91.3-P91.5 if necessary.

P22.81 Infant in very poor condition at birth, without known asphyxia
Infant with Apgar score of 0-3 at 1 minute with no mention of birth asphyxia. *Flat baby.*
Infant making no respiratory effort with a heart rate less than 100 at one minute, who is flaccid and blue or white.
For subsequent effects see also P91.3-P91.5 if necessary.

P22.9 Respiratory distress of newborn, unspecified

P23 Congenital pneumonia
Includes: infective pneumonia acquired in utero or during birth
Excludes: neonatal pneumonia resulting from aspiration (P24.-)

P23.0 Congenital pneumonia due to viral agent
Excludes: congenital rubella pneumonitis (P35.0)

P23.1 Congenital pneumonia due to chlamydia

P23.2 Congenital pneumonia due to staphylococcus

P23.3 Congenital pneumonia due to Streptococcus, Group B

P23.4 Congenital pneumonia due to Escherichia coli

P23.5 Congenital pneumonia due to Pseudomonas

P23.6 Congenital pneumonia due to other bacterial agents
Congenital pneumonia due to: .Haemophilus influenzae
.Klebsiella pneumoniae
.Mycoplasma
.Ureaplasma urealyticum
.Streptococcus, except group B

P23.8 Congenital pneumonia due to other organisms

P23.9 Congenital pneumonia, unspecified

P24 Neonatal aspiration syndromes
Includes: neonatal pneumonia resulting from aspiration

P24.0 Neonatal aspiration of meconium
Meconium pneumonitis
Meconium aspiration syndrome

P24.1 Neonatal aspiration of amniotic fluid and mucus
Aspiration of liquor (amnii)

P24.2 Neonatal aspiration of blood

P24.3 Neonatal aspiration of milk and regurgitated food

P24.8 Other neonatal aspiration syndrome

P24.9 Neonatal aspiration syndrome, unspecified
Neonatal aspiration pneumonia NOS

P25 Interstitial emphysema and related conditions originating in the perinatal period

P25.0 Interstitial emphysema originating in the perinatal period
Pulmonary interstitial emphysema [PIE]

P25.00 Congenital lobar emphysema
Note: This code must be used for this condition although the BPA does not consider its origin to be in the perinatal period.

P25.1 Pneumothorax originating in the perinatal period

P25.2 Pneumomediastinum originating in the perinatal period

P25.3 Pneumopericardium originating in the perinatal period

P25.8 Other perinatal conditions related to interstitial emphysema
Subcutaneous emphysema not associated with trauma

P26 **Pulmonary haemorrhage originating in the perinatal period**

P26.0 Tracheobronchial haemorrhage originating in the perinatal period

P26.1 Massive pulmonary haemorrhage originating in the perinatal period

P26.8 Other pulmonary haemorrhages originating in the perinatal period

P26.9 Unspecified pulmonary haemorrhage originating in the perinatal period
Haemoptysis NOS

P27 **Chronic respiratory disease originating in the perinatal period**

P27.0 Wilson-Mikity syndrome
Pulmonary dysmaturity

P27.1 Bronchopulmonary dysplasia originating in perinatal period
BPD
Chronic lung disease of the (premature) newborn

P27.8 Other chronic respiratory disease originating in perinatal period
Congenital pulmonary fibrosis
Ventilator lung in newborn

P27.9 Unspecified chronic respiratory disease originating in the perinatal period

P28 **Other respiratory conditions originating in the perinatal period**
Excludes: congenital malformations of the respiratory system (Q30-Q34)

P28.0 Primary atelectasis of newborn
Primary failure to expand terminal respiratory units
Pulmonary: . hypoplasia associated with short gestation
. immaturity NOS

P28.1 Other and unspecified atelectasis of newborn
@ Resorption atelectasis without respiratory distress syndrome
Partial atelectasis
Secondary atelectasis
Pulmonary collapse originating in the perinatal period

P28.2 Cyanotic attacks of newborn
Excludes: apnoea of newborn (P28.3-P28.4)

P28.3 Primary sleep apnoea of newborn
@ Congenital central hypoventilation
Excludes: Ondine's curse (G47.3)

P28.4 Other apnoea of newborn
Apnoea of newborn NOS

P28.40 Apnoea of prematurity

P28.41 Obstructive apnoea of newborn

P28.5 Respiratory failure of newborn
Hypoventilation of the newborn

P28.8 Other specified respiratory conditions of newborn
Excludes: early congenital syphilitic rhinitis (A50.0)

P28.80 Snuffles in newborn

P28.81 Acquired subglottic stenosis in newborn
Post-intubation subglottic stenosis in newborn

P28.9 Respiratory condition of newborn, unspecified

P29 Cardiovascular disorders originating in the perinatal period
Excludes: congenital malformations of the circulatory system (Q20-Q28)
P29.0 Neonatal cardiac failure
Cardiac failure developing in the perinatal period
P29.1 Neonatal cardiac dysrhythmia
Excludes: congenital heart block (Q24.6)
P29.2 Neonatal hypertension
P29.3 Persistent fetal circulation
Persistent pulmonary hypertension of the newborn
P29.30 Delayed closure of ductus arteriosus
Excludes: patent ductus arteriosus
P29.4 Transient myocardial ischaemia of newborn
P29.8 Other cardiovascular disorders originating in the perinatal period
P29.80 Neonatal hypotension
P29.81 Benign and innocent cardiac murmurs in newborn
Functional cardiac murmur in newborn
Excludes: benign and innocent cardiac murmurs outside the perinatal period (R01.0)
P29.9 Cardiovascular disorders originating in perinatal period, unspecified

P35-P39 Infections specific to the perinatal period
Includes: infections acquired in utero (intra-amniotic infections) or during birth
Excludes: asymptomatic human immunodeficiency virus [HIV] infection status (Z21)
congenital: .gonococcal infection(A54.-)
.pneumonia(P23.-)
.syphilis (A50.-)
human immunodeficiency virus [HIV] disease (B20-B24)
infectious diseases acquired after birth (A00-B99, J10-J11)
intestinal infectious diseases (A00-A99)
laboratory evidence of human immunodeficiency virus [HIV] (R75)
maternal infectious disease as a cause of mortality or morbidity in fetus or newborn not itself manifesting the disease (P00.2)
tetanus neonatorum (A33)
other infections acquired *after* birth

P35 Congenital viral diseases
P35.0 Congenital rubella syndrome
Congenital rubella pneumonitis
P35.1 Congenital cytomegalovirus infection
P35.2 Congenital herpes viral [herpes simplex] infection
P35.3 Congenital viral hepatitis
P35.30 Congenital Hepatitis B virus infection
P35.31 Congenital hepatitis due to other specified viruses
Congenital Hepatitis A virus infection
P35.8 Other congenital viral diseases
P35.80 Congenital varicella [chickenpox]
P35.9 Congenital viral disease, unspecified

P36 **Bacterial sepsis of newborn**
Includes: congenital septicaemia

P36.0 Sepsis of newborn due to streptococcus, group B
Excludes: group B strep, pneumonia (P23.3)

P36.1 Sepsis of newborn due to other and unspecified streptococci
Sepsis of newborn due to Group A streptococci

P36.2 Sepsis of newborn due to *Staphylococcus aureus*

P36.3 Sepsis of newborn due to other & unspecified staphylococci

P36.4 Sepsis of newborn due to *Escherichia coli*

P36.5 Sepsis of newborn due to anaerobes

P36.8 Other bacterial sepsis of newborn
Sepsis of newborn with pseudomonas

P36.9 Bacterial sepsis of newborn, unspecified

P37 **Other congenital infectious and parasitic diseases**
Excludes: congenital syphilis (A50.-)
necrotising enterocolitis of fetus or newborn (P77)
neonatal diarrhoea: . infectious (A00-A09)
. noninfective (P78.3)
ophthalmia neonatorum due to gonococcus (A54.3)
tetanus neonatorum (A33)

P37.0 Congenital tuberculosis

P37.1 Congenital toxoplasmosis
Hydrocephalus due to congenital toxoplasmosis

P37.2 Neonatal (disseminated) listeriosis

P37.3 Congenital falciparum malaria

P37.4 Other congenital malaria

P37.5 Neonatal candidiasis

P37.50 Topical or gastrointestinal neonatal candidiasis
Oral and perineal candidiasis of the newborn

P37.51 Invasive neonatal candidiasis
Generalised candidal septicaemia
Pulmonary candidiasis

P37.8 Other specified congenital infectious and parasitic diseases

P37.9 Congenital infectious or parasitic disease, unspecified

P38 # **Omphalitis of newborn with or without mild haemorrhage**
Infectious (umbilical) granuloma
Excludes: tetanus omphalitis (A33)

P39 **Other infections specific to the perinatal period**

P39.0 Neonatal infective mastitis
Neonatal breast abscess
Excludes: breast engorgement of newborn (P83.4)
non-infective mastitis of newborn (P83.4)

P39.1 Neonatal conjunctivitis and dacrocystitis
Excludes: gonococcal conjunctivitis (A54.3)

P39.10 Neonatal conjunctivitis and dacrocystitis due to bacteria
Neonatal conjunctivitis and dacrocystitis due to:
. Escherichia coli
. Staphylococcus

P39.11 Neonatal conjunctivitis and dacrocystitis due to virus

P39.12 Neonatal conjunctivitis and dacrocystitis due to chlamydia

P39.19 Neonatal conjunctivitis and dacrocystitis, unspecified
Ophthalmia neonatorum NOS

P39.2 Intra-amniotic infection of fetus, not elsewhere classified

P39.3 Neonatal urinary tract infection

P39.4 Neonatal skin infection
Neonatal pyoderma
Excludes: pemphigus neonatorum (L00)
staphylococcal scalded skin syndrome (L00)
P39.8 Other specified infections specific to the perinatal period
P39.80 Neonatal meningitis
Use also code from G00.- to specify type of meningitis, and/or code from P36.- to specify associated sepsis
P39.9 Infection specific to the perinatal period, unspecified
Excludes: bacterial sepsis of newborn, unspecified (P36.9)
P39.90 Suspected infection in the newborn
Suspected infection where no organism is identified

P50-P61 Haemorrhagic and haematological disorders of fetus and newborn
Excludes: congenital stenosis and stricture of bile duct (Q44.3)
Crigler-Najjar syndrome (E80.5)
Dubin-Johnson syndrome (E80.6)
Gilbert's syndrome (E80.4)
hereditary haemolytic anaemias (D55-D58)

P50 Fetal blood loss
Excludes: congenital anaemia from fetal blood loss (P61.3)
P50.0 Fetal blood loss from vasa praevia
P50.1 Fetal blood loss from ruptured cord
P50.2 Fetal blood loss from placenta
P50.3 Haemorrhage into co-twin
Excludes: placental and cord abnormalities resulting in twin-to-twin or other transplacental transfusion (P02.3)
P50.4 Haemorrhage into maternal circulation
Excludes: placental and cord abnormalities resulting in twin-to-twin or other transplacental transfusion (P02.3)
P50.5 Fetal blood loss from cut end of co-twin's cord
P50.8 Other fetal blood loss
P50.9 Fetal blood loss, unspecified
Fetal haemorrhage NOS

P51 Umbilical haemorrhage of newborn
Excludes: omphalitis with mild haemorrhage (P38)
P51.0 Massive umbilical haemorrhage of newborn
P51.8 Other umbilical haemorrhages of newborn
Umbilical haemorrhage due to slipped umbilical ligature NOS
P51.9 Umbilical haemorrhage of newborn, unspecified

P52 Intracranial nontraumatic haemorrhage of fetus and newborn
Includes: intracranial haemorrhage due to anoxia or hypoxia
Excludes: intracranial haemorrhage due to injury:
.birth (P10.-)
.maternal (P00.5)
.other (S06.-)
For post-haemorrhagic hydrocephalus see G91

Note: The grading of intraventricular haemorrhage, IVH, is not universally agreed. We have adopted the ICD-10 classification here.

P52.0 Intraventricular (nontraumatic) haemorrhage, grade 1, of fetus and newborn
Subependymal haemorrhage (without intraventricular extension)

P52.1 Intraventricular (nontraumatic) haemorrhage, grade 2, of fetus and newborn
Subependymal haemorrhage with intraventricular extension

P52.2 Intraventricular (nontraumatic) haemorrhage, grade 3, of fetus and newborn
Subependymal haemorrhage with both intraventricular and intracerebral extension

P52.3 Unspecified intraventricular (nontraumatic) haemorrhage of fetus and newborn

P52.4 Intracerebral (nontraumatic) haemorrhage of fetus and newborn

P52.5 Subarachnoid (nontraumatic) haemorrhage of fetus and newborn

P52.6 Cerebellar (nontraumatic) and posterior fossa haemorrhage of fetus and newborn

P52.8 Other intracranial (nontraumatic) haemorrhage of fetus and newborn

P52.9 Intracranial (nontraumatic) haemorrhage of fetus and newborn, unspecified

P53 # Haemorrhagic disease of fetus and newborn
Vitamin K deficiency of newborn

P54 Other neonatal haemorrhages
Excludes: fetal blood loss (P50.-)
pulmonary haemorrhage originating in the perinatal period (P26.-)

P54.0 Neonatal haematemesis
Excludes: that due to swallowed maternal blood (P78.2)

P54.1 Neonatal malaena
Excludes: that due to swallowed maternal blood (P78.2)

P54.2 Neonatal rectal haemorrhage
Excludes: necrotising enterocolitis of newborn [NEC] (P77)

P54.3 Other neonatal gastrointestinal haemorrhage

P54.4 Neonatal adrenal haemorrhage

P54.5 Neonatal cutaneous haemorrhage
Bruising }
Ecchymoses }
Purpura } in fetus or newborn
Superficial haematomata }
Excludes: bruising of scalp due to birth injury (P12.3)
cephalhaematoma due to birth injury (P12.0)

P54.50 Neonatal petechiae, unspecified
Use more specific code if cause known

P54.6 Neonatal vaginal haemorrhage
Pseudomenses
P54.8 Other specified neonatal haemorrhages
P54.80 Neonatal epistaxis
P54.9 Neonatal haemorrhage, unspecified

P55 Haemolytic disease of fetus and newborn
P55.0 Rh isoimmunisation of fetus and newborn
P55.00 Isoimmunisation of fetus and newborn with Rhesus Anti-D antibody
P55.08 Isoimmunisation of fetus and newborn with other Rhesus antibodies
P55.1 ABO isoimmunisation of fetus and newborn
P55.8 Other haemolytic disease of fetus and newborn
P55.9 Haemolytic disease of fetus and newborn, unspecified

P56 Hydrops fetalis due to haemolytic disease
Excludes: hydrops fetalis:
. NOS (P83.2)
. not due to haemolytic disease (P83.2)
P56.0 Hydrops fetalis due to isoimmunisation
P56.9 Hydrops fetalis due to other and unspecified haemolytic disease

P57 Kernicterus
P57.0 Kernicterus due to isoimmunisation
P57.8 Other specified kernicterus
Excludes: Crigler-Najjar syndrome (E80.5)
P57.9 Kernicterus, unspecified

P58 Neonatal jaundice due to other excessive haemolysis
Excludes: jaundice due to isoimmunisation (P55-P57)
P58.0 Neonatal jaundice due to bruising
Neonatal jaundice due to cephalhaematoma
P58.1 Neonatal jaundice due to bleeding
Neonatal jaundice due to internal bleeding
Neonatal jaundice due to subaponeurotic haemorrhage
P58.2 Neonatal jaundice due to infection
P58.3 Neonatal jaundice due to polycythaemia
P58.4 Neonate jaundice due to drugs or toxins transmitted from mother or given to newborn
Use additional external cause code (chapter XX), if desired, to identify drug, if drug-induced
P58.5 Neonatal jaundice due to swallowed maternal blood
P58.8 Neonatal jaundice due to other specified excessive haemolysis
P58.9 Neonatal jaundice due to excessive haemolysis, unspecified

P59 Neonatal jaundice from other and unspecified causes
Excludes: due to inborn errors of metabolism (E70-E90)
kernicterus (P57.-)
P59.0 Neonatal jaundice associated with preterm delivery
Jaundice of prematurity
Hyperbilirubinaemia of prematurity
Jaundice due to delayed conjugation associated with preterm delivery
P59.1 Inspissated bile syndrome

P59.2 Neonatal jaundice from other and unspecified hepatocellular damage
Excludes: congenital viral hepatitis (P35.3)
P59.3 Neonatal jaundice from breast milk inhibitor
Breast milk jaundice
P59.8 Neonatal jaundice from other specified causes
P59.80 Neonatal jaundice due to total parenteral nutrition
Neonatal jaundice due to TPN
P59.9 Neonatal jaundice, unspecified
Physiological jaundice (intense)(prolonged) NOS

P60 # Disseminated intravascular coagulation of fetus and newborn
Defibrination syndrome of fetus or newborn

P61 Other perinatal haematological disorders
Excludes: transient hypogammaglobulinaemia of infancy (D80.7)
P61.0 Transient neonatal thrombocytopenia
@ Transient thrombocytopenia following delivery of infant in poor condition
P61.00 Neonatal thrombocytopenia due to exchange transfusion
P61.01 Neonatal thrombocytopenia due to maternal I.T.P.
P61.02 Neonatal thrombocytopenia due to isoimmunisation
P61.08 Transient neonatal thrombocytopenia due to other specified causes
P61.09 Transient neonatal thrombocytopenia, unspecified
P61.1 Polycythaemia neonatorum
P61.2 Anaemia of prematurity
P61.3 Congenital anaemia from fetal blood loss
P61.4 Other congenital anaemias, not elsewhere classified
Congenital anaemia NOS
P61.5 Transient neonatal neutropenia
Isoimmune neutropenia
Maternal transfer neutropenia
P61.6 Other transient neonatal disorders of coagulation
P61.8 Other specified perinatal haematological disorders
P61.80 Late anaemia of newborn following haemolytic disease
P61.9 Perinatal haematological disorder, unspecified

P70-P74 Transitory endocrine and metabolic disorders specific to fetus and newborn
Includes: transitory endocrine and metabolic disturbances caused by the infant's response to maternal endocrine and metabolic factors, or its adjustment to extrauterine existence

P70 Transitory disorders of carbohydrate metabolism specific to fetus and newborn
P70.0 Syndrome of infant of mother with gestational diabetes
P70.1 Syndrome of infant of a diabetic mother
Maternal diabetes mellitus (pre-existing) affecting fetus or newborn (with hypoglycaemia)
P70.2 Neonatal diabetes mellitus
P70.21 Transitory neonatal hyperglycaemia
P70.3 Iatrogenic neonatal hypoglycaemia
P70.4 Other neonatal hypoglycaemia
Transitory neonatal hypoglycaemia

P70.40 Asymptomatic neonatal hypoglycaemia
P70.41 Symptomatic neonatal hypoglycaemia
P70.49 Neonatal hypoglycaemia not specified
P70.8 Other transitory disorders of carbohydrate metabolism of fetus and newborn
P70.9 Transitory disorder of carbohydrate metabolism of fetus and newborn, unspecified

P71 **Transitory neonatal disorders of calcium and magnesium metabolism**
P71.0 Cow's milk hypocalcaemia in newborn

P71.1 Other neonatal hypocalcaemia
Phosphate-loading hypocalcaemia
Excludes: neonatal hypoparathyroidism (P71.4)
P71.2 Neonatal hypomagnesaemia
P71.3 Neonatal tetany without calcium or magnesium deficiency
Neonatal tetany NOS
P71.4 Transitory neonatal hypoparathyroidism
P71.8 Other transitory neonatal disorders of calcium and magnesium metabolism
P71.9 Transitory neonatal disorder of calcium and magnesium metabolism, unspecified

P72 **Other transitory neonatal endocrine disorders**
Excludes: congenital hypothyroidism with or without goitre (E03.0,E03.1)
dyshormonogenetic goitre (E07.1)
Pendred's syndrome (E07.1)
P72.0 Neonatal goitre, not elsewhere classified
Transitory congenital goitre with normal function
P72.1 Transitory neonatal hyperthyroidism
Neonatal thyrotoxicosis
P72.2 Other transitory neonatal disorders of thyroid function, not elsewhere classified
Transitory neonatal hypothyroidism
P72.8 Other specified transitory neonatal endocrine disorders
P72.9 Transitory neonatal endocrine disorder, unspecified

P74 **Other transitory neonatal electrolyte and metabolic disturbances**
P74.0 Late metabolic acidosis of newborn
P74.1 Dehydration of newborn
P74.2 Disturbance of sodium balance of newborn
P74.20 Hypernatraemia of newborn
P74.21 Hyponatraemia of newborn
P74.3 Disturbances of potassium balance of newborn
P74.30 Hyperkalaemia of newborn
P74.31 Hypokalaemia of newborn
P74.4 Other transitory electrolyte disturbances of newborn
P74.5 Transitory tyrosinaemia of newborn
P74.8 Other transitory metabolic disturbances of newborn
P74.80 Metabolic bone disease of prematurity
Neonatal rickets
Osteopenic rickets
P74.9 Transitory metabolic disturbances of newborn, unspecified

P75-P78 Digestive system disorders of fetus and newborn

P75* # Meconium ileus (E84.1+)
Meconium obstruction in newborn with cystic fibrosis

P76 Other intestinal obstruction of newborn
Excludes: intestinal obstruction classifiable to K56.-
P76.0 Meconium plug syndrome
P76.1 Transitory ileus of newborn
Excludes: Hirschsprung's disease (Q43.1)
P76.2 Intestinal obstruction due to inspissated milk
P76.8 Other specified intestinal obstruction of newborn
Congenital faecalith
P76.9 Intestinal obstruction of newborn, unspecified

P77 # Necrotising enterocolitis of fetus and newborn

P78 Other perinatal digestive system disorders
Excludes: neonatal gastrointestinal haemorrhages (P54.0-P54.3)
P78.0 Perinatal intestinal perforation
P78.00 Fetal intestinal perforation
Meconium peritonitis
P78.01 Intestinal perforation in the newborn
P78.1 Other neonatal peritonitis
Neonatal peritonitis NOS
P78.2 Neonatal haematemesis and melaena due to swallowed maternal blood
P78.3 Noninfective neonatal diarrhoea
Neonatal diarrhoea NOS
Excludes: neonatal diarrhoea NOS in countries where the condition can be presumed to be of infectious origin (A09)
P78.8 Other specified perinatal digestive system disorders
P78.80 Congenital cirrhosis (of liver)
P78.81 Peptic ulcer of newborn
P78.82 Chylous ascites of newborn
P78.9 Perinatal digestive system disorder, unspecified

P80-P83 Conditions involving integument and temperature regulation of fetus and newborn

P80 Hypothermia of newborn
P80.0 Cold injury syndrome
Severe and usually chronic hypothermia associated with a pink flushed appearance, oedema and neurological and biochemical abnormalities
Brick red baby
Excludes: mild hypothermia of newborn (P80.8)
P80.8 Other hypothermia of newborn
Mild hypothermia of newborn
P80.9 Hypothermia of newborn, unspecified

P81 Other disturbances of temperature regulation of newborn
P81.0 Environmental hyperthermia of newborn
Environmental pyrexia in newborn

P81.8 Other specified disturbances of temperature regulation of newborn
P81.80 Newborn dehydration fever
P81.81 Unstable temperature in newborn not elsewhere classified
P81.9 Disturbance of temperature regulation of newborn, unspecified
Fever of newborn NOS

P83 Other conditions of the integument specific to fetus and newborn
Excludes: congenital malformations of skin and integument (Q80-Q84)
cradle cap (L21.0)
diaper [napkin] [nappy] dermatitis (L22)
hydrops fetalis due to haemolytic disease (P56.-)
neonatal skin infection (P39.4)
staphylococcal scalded skin syndrome (L00)
P83.0 Sclerema neonatorum
P83.1 Neonatal erythema toxicum
Note: The BPA considers neonatal erythema toxicum to be synonymous with urticaria neonatorum (P83.8) and advises the use of P83.1 for this condition.
P83.2 Hydrops fetalis not due to haemolytic disease
Hydrops fetalis NOS
Hydrops fetalis not due to isoimmunisation
Idiopathic hydrops fetalis
P83.3 Other and unspecified oedema specific to fetus and newborn
P83.4 Breast engorgement of newborn
Noninfective mastitis of newborn
P83.5 Congenital hydrocele
P83.50 Congenital hydrocele of spermatic cord
P83.6 Umbilical polyp of newborn
P83.8 Other specified conditions of the integument specific to fetus and newborn
P83.80 Bronze baby syndrome
P83.81 Neonatal scleroderma
P83.82 Transient neonatal pustular melanosis
P83.83 Neonatal lupus erythematosus
P83.84 Milia
P83.9 Conditions of the integument specific to fetus and newborn, unspecified

P90-P96 Other disorders originating in the perinatal period

P90 # Convulsions of newborn
Excludes: benign neonatal convulsions (familial) (G40.3-)
P90.X0 Fifth day fits
P90.X8 Other specified convulsions of the newborn

P91 Other disturbances of cerebral status of newborn
P91.0 Neonatal cerebral ischaemia
P91.1 Acquired periventricular cysts of newborn
Acquired porencephalic cysts of newborn
P91.2 Neonatal cerebral leukomalacia
Periventricular leukomalacia [PVL]
Subcortical leukomalacia
P91.3 Newborn cerebral irritability
Mild, non-asphyxial encephalopathy of the newborn

P91.4 Neonatal cerebral depression
Moderate, non-asphyxial encephalopathy of the newborn
P91.5 Neonatal coma
Severe, non-asphyxial encephalopathy of the newborn
P91.8 Other specified disturbances of cerebral status of newborn
Persistent ventricular enlargement without hydrocephalus

Note: The BPA recommends using this category when the cause of the hypoxic-ischaemic encephalopathy is uncertain or due to a cause other than birth injury.
Excludes: Hypoxic-ischaemic encephalopathy *known to be* due to birth injury (P11.1)
P91.80 Hypoxic-ischaemic encephalopathy, mild
Mild HIE
P91.81 Hypoxic-ischaemic encephalopathy, moderate
Moderate HIE
P91.82 Hypoxic-ischaemic encephalopathy, severe
Severe HIE
P91.9 Disturbance of cerebral status of newborn, unspecified

P92 Feeding problems of newborn
P92.0 Vomiting in newborn
P92.1 Regurgitation and rumination in newborn
Possetting
P92.2 Slow feeding of newborn
P92.3 Underfeeding of newborn
P92.4 Overfeeding of newborn
P92.5 Neonatal difficulty in feeding at breast
P92.8 Other feeding problems of newborn
P92.9 Feeding problem of newborn, unspecified

P93 # Reactions and intoxications due to drugs administered to fetus and newborn
Excludes: jaundice due to drugs or toxins transmitted from mother or given to newborn (P58.4)
reactions and intoxications from maternal opiates, tranquillisers and other medication (P04.0, P04.1, P04.4)
withdrawal symptoms from:
.maternal use of drugs of addiction (P96.1)
.therapeutic use of drugs in newborn (P96.2)
P93.X0 Chloramphenicol toxicity in the newborn
Grey syndrome from chloramphenicol administration in newborn
P93.X1 Aminoglycoside toxicity
Toxicity due to: .gentamicin
.neomycin
.netilmicin
P93.X8 Reactions and intoxications due to other specified drugs
P93.X9 Reactions and intoxications due to drugs, unspecified

P94 Disorders of muscle tone of newborn
P94.0 Transient neonatal myasthenia gravis
Excludes: myasthenia gravis (G70.0)
P94.1 Congenital hypertonia
P94.2 Congenital hypotonia
Nonspecific floppy baby syndrome
Floppy infant, NOS
P94.8 Other disorders of muscle tone of newborn

P94.9 Disorders of muscle tone of newborn, unspecified

P95 # Fetal death of unspecified cause
Deadborn fetus NOS
Stillbirth NOS

P96 Other conditions originating in the perinatal period
P96.0 Congenital renal failure
Uraemia of newborn
P96.1 Neonatal withdrawal symptoms from maternal use of drugs of addiction
Drug withdrawal syndrome in infant of dependent mother
Neonatal narcotics withdrawal syndrome
neonatal "crack" withdrawal syndrome
Excludes: reactions and intoxications from maternal opiates and tranquillisers administered during labour and delivery (P04.0)
effects on fetus and newborn of maternal use of drugs of addiction other than neonatal withdrawal symptoms (P04.4-)
P96.2 Withdrawal symptoms from therapeutic use of drugs in newborn
P96.3 Wide cranial sutures of newborn
Neonatal craniotabes
P96.4 Termination of pregnancy, fetus and newborn
Excludes: termination of pregnancy (mother) (O04.-)
P96.5 Complications of intrauterine procedures, not elsewhere classified
Excludes: fetus and newborn affected by placental separation and haemorrhage due to intrauterine procedures (P02.1)
P96.50 Fetus and newborn affected by trauma from amniocentesis
P96.51 Fetus and newborn affected by damage due to chorionic villous sampling
P96.52 Fetus and newborn affected by accidental damage during fetal blood sampling
Fetus and newborn affected by damage due to cordocentesis
P96.53 Fetus and newborn affected by complications of fetal surgery
P96.58 Fetus and newborn affected by other intrauterine procedures
P96.8 Other specified conditions originating in perinatal period
P96.80 Jittery baby, not elsewhere classified
Excludes: when due to known biochemical or neurological abnormality
P96.9 @ Conditions originating in the perinatal period, unspecified

Chapter XVII, (Q00-Q99)

Congenital malformations, deformations and chromosomal abnormalities.

Excludes: inborn errors of metabolism (E70-E90)

This chapter contains the following blocks:

Q00-Q07	Congenital malformations of the nervous system
Q10-Q18	Congenital malformations of eye, ear, face and neck
Q20-Q28	Congenital malformations of the circulatory system
Q30-Q34	Congenital malformations of the respiratory system
Q35-Q37	Cleft lip and palate
Q38-Q45	Other congenital malformations of the digestive system
Q50-Q56	Congenital malformations of genital organs
Q60-Q64	Congenital malformations of the urinary system
Q65-Q79	Congenital malformations and deformations of the musculoskeletal system
Q80-Q89	Other congenital malformations
Q90-Q99	Chromosomal abnormalities, not elsewhere classified

Q00-Q07 Congenital malformations of the nervous system

Q00 Anencephaly and similar malformations

Q00.00 Anencephaly, NOS
- Acephaly
- Acrania
- Amyelencephaly

Excludes: hydranencephaly (Q04.35)

Q00.01 Incomplete anencephaly
- Hemianencephaly
- Hemicephaly

Q00.1 Craniorachischisis
- Rachischisis: . craniospinal
  . complete
  . total

Q00.2 Iniencephaly

Q00.20 Iniencephaly, open

Q00.21 Iniencephaly, closed

Q01 Encephalocele

Includes: encephalomyelocele
hydroencephalocele
hydromeningocele, cranial
meningocele, cerebral
meningoencephalocele

Note: cranial hydromeningocele and cerebral meningocele are not considered to be encephaloceles as they do not contain brain tissue but have been included here in ICD-10

Excludes: Meckel-Gruber syndrome (Q61.9)

Q01.0 Frontal encephalocele

Q01.1 Nasofrontal encephalocele

Q01.2 Occipital encephalocele

Q01.8 Encephalocele of other sites

Q01.80 Parietal encephalocele

Q01.81 Orbital encephalocele

Q01.82 Nasal encephalocele
Q01.83 Nasopharyngeal encephalocele
Q01.9 Encephalocele, unspecified

Q02 # Microcephaly
Hydromicrocephaly
Micrencephalon
Excludes: Meckel-Gruber syndrome (Q61.9)
microcephaly due to:
. congenital infection (P35-37)
. exposure to ionising radiation (Q86.85)

Q03 Congenital hydrocephalus
Includes: hydrocephalus in newborn
Excludes: Arnold-Chiari syndrome (Q07.0)
hydrocephalus:
.acquired (G91.-)
.due to congenital toxoplasmosis (P37.1)
.with spina bifida (Q05.0-Q05.4)
Q03.0 Malformations of aqueduct of Sylvius
Aqueduct of Sylvius: .anomaly
.obstruction, congenital
.stenosis
Q03.1 Atresia of foramina of Magendie and Luschka
Dandy-Walker syndrome
Q03.8 Other congenital hydrocephalus
Q03.80 Clover leaf skull
Kleeblattschädel deformity syndrome
Q03.9 Congenital hydrocephalus, unspecified

Q04 Other congenital malformations of brain
Excludes: cyclopia (Q87.03)
macrocephaly (Q75.3)
Q04.0 Congenital malformations of corpus callosum
Q04.00 Agenesis of corpus callosum
Q04.1 Arhinencephaly
Q04.2 Holoprosencephaly
Q04.3 Other reduction deformities of brain
@ Absence }
Agenesis }
Aplasia } of part of brain
Hypoplasia}
Excludes: congenital malformations of corpus callosum
(Q04.0)
Q04.30 Reduction anomalies of cerebrum
Q04.31 Reduction anomalies of hypothalamus
Q04.32 Reduction anomalies of cerebellum
Q04.33 Agyria or lissencephaly
Q04.34 Microgyria or pachygyria
Polygyria
Micropolygyria
Q04.35 Hydranencephaly
Q04.4 Septo-optic dysplasia
Q04.5 Megalencephaly
Q04.50 Familial (benign) macrocephaly

Q04.6 Congenital cerebral cysts
Porencephaly
Schizencephaly
Excludes: acquired porencephalic cysts (G93.0)

Q04.60 Multiple congenital cerebral cysts

Q04.61 Single congenital cerebral cyst

Q04.8 Other specified congenital malformations of brain
Macrogyria
Walnut brain
Congenital haematocephalus
Congenital malformation of cerebral meninges

Q04.9 Congenital malformation of brain, unspecified
Congenital: .anomaly } .deformity } .disease or lesion } NOS of brain .multiple anomalies}

Q05 Spina bifida
Includes: hydromeningocele (spinal)
meningocele (spinal)
meningomyelocele
myelocele
myelomeningocele
spinal rachischisis
spina bifida (aperta)(cystica)
syringomyelocele
Excludes: Arnold-Chiari syndrome (Q07.0)
spina bifida occulta (Q76.0)
rachischisis (Q00.1): . cranial . craniospinal
Note: For Spina bifida Q05.0-Q05.8 the following fifth-character subdivision can be used if desired-
.....1 open, aperta, not covered with skin or membrane
.....2 closed, cystica, covered with skin or membrane
.....9 if not known whether lesion is open or closed

Q05.0 Cervical spina bifida with hydrocephalus

Q05.1 Thoracic spina bifida with hydrocephalus
Spina bifida: .dorsal } .thoracolumbar } with hydrocephalus .dorsolumbar }

Q05.2 Lumbar spina bifida with hydrocephalus
Lumbosacral spina bifida with hydrocephalus

Q05.3 Sacral spina bifida with hydrocephalus

Q05.4 Unspecified spina bifida with hydrocephalus
Site unspecified

Q05.5 Cervical spina bifida without hydrocephalus

Q05.6 Thoracic spina bifida without hydrocephalus
Spina bifida: .dorsal NOS
.thoracolumbar NOS
.dorsolumbar NOS

Q05.7 Lumbar spina bifida without hydrocephalus
Lumbosacral spina bifida NOS

Q05.8 Sacral spina bifida without hydrocephalus

Q05.9 Spina bifida, unspecified

Q06 Other congenital malformations of spinal cord
Excludes: syringomyelia and syringobulbia (G95.0)

Q06.0 Amyelia
Q06.1 Hypoplasia and dysplasia of spinal cord
Atelomyelia
Myelatelia
Myelodysplasia of spinal cord
Q06.2 Diastematomyelia
Q06.3 Other congenital cauda equina malformations
Q06.4 Hydromyelia
Hydrorachis
Q06.8 Other specified congenital malformations of spinal cord
Q06.9 Congenital malformations of spinal cord, unspecified
Congenital: .anomaly } NOS of spinal cord or meninges
.deformity }
.disease or lesion }

Q07 Other congenital malformations of nervous system
Excludes: familial dysautonomia [Riley-Day] (G90.1)
neurofibromatosis (nonmalignant) (Q85.0)
Q07.0 Arnold-Chiari syndrome
Q07.8 Other specified congenital malformations of nervous system
Agenesis of nerve, NOS
Cayler syndrome
Congenital facial diplegia
Displacement of brachial plexus
Nuclear agenesis
Excludes: Moebius syndrome (Q87.06)
Duane syndrome (H50.8)
Q07.80 Jaw-winking syndrome
Marcus Gunn's syndrome
Q07.81 Optic nerve hypoplasia
Congenital optic atrophy
Q07.82 Crocodile tears
Q07.9 Congenital malformations of nervous system, unspecified
Congenital malformation of meninges, unspecified
Congenital: .anomaly } NOS of nervous system
.deformity }
.disease or lesion }

Q10-Q18 Congenital malformations of eye, ear, face and neck
Excludes: cleft lip and cleft palate (Q35-37)
congenital malformations of:
.cervical spine (Q05.0, Q05.5, Q67.5, Q76.0-Q76.4)
.larynx (Q31.-)
.lip NEC (Q38.0)
.nose (Q30.-)
.parathyroid gland (Q89.2)
.thyroid gland (Q89.2)
retinoblastoma (C69.2)

Q10 Congenital malformations of eyelid, lacrimal apparatus and orbit
Excludes: cryptophthalmos:
.NOS (Q11.2)
.syndrome (Q87.02)
Goldenhar syndrome [oculo-auriculo-vertebral syndrome] (Q87.04)

Q10.0 Congenital ptosis
Blepharophimosis-ptosis syndrome
Q10.1 Congenital ectropion
Q10.2 Congenital entropion
Q10.3 Other congenital malformations of eyelid
Ablepharon (absence of eyelids)
Absence or agenesis of: .cilia (eyelashes)
.eyelid
Accessory: .eyelid
.eye muscle
Blepharophimosis, congenital [fused eyelids]
Congenital symblepharon
Coloboma of eyelid
Mongoloid slant (of palpebral fissure)
Antimongoloid slant (of palpebral fissure)
Congenital malformation of eyelid NOS
Q10.4 Absence and agenesis of lacrimal apparatus
Absence of punctum lacrimale
Q10.5 Congenital stenosis and stricture of lacrimal duct
Q10.6 Other congenital malformations of lacrimal apparatus
Congenital malformations of lacrimal apparatus NOS
Q10.7 Congenital malformations of orbit

Q11 **Anophthalmos, microphthalmos and macrophthalmos**
Q11.0 Cystic eyeball
Q11.1 Other anophthalmos
Agenesis } of eye
Aplasia }
Excludes: cryptophthalmos syndrome (Q87.02)
Q11.2 Microphthalmos
Cryptophthalmos NOS
Dysplasia of eye
Fraser syndrome
Hypoplasia of eye
Lenz' microphthalmus syndrome
Rudimentary eye
Excludes: cryptophthalmos syndrome (Q87.02)
Q11.3 Macrophthalmos
Excludes: macrophthalmos in congenital glaucoma (Q15.0)

Q12 **Congenital lens malformations**
Q12.0 Congenital cataract
Q12.1 Congenital displaced lens
Q12.2 Coloboma of lens
Q12.3 Congenital aphakia
Q12.4 Spherophakia
Q12.8 Other congenital lens malformations
Q12.80 Microphakia
Q12.9 Congenital lens malformation, unspecified

Q13 **Congenital malformations of anterior segment of eye**
Q13.0 Coloboma of iris
Coloboma NOS
Q13.1 Absence of iris
Aniridia
See also nephroblastoma [Wilms' tumour] (C64)

Q13.2 Other congenital malformations of iris
Anisocoria, congenital
Atresia of pupil
Congenital malformation of iris NOS
Corectopia
Polycoria
Excludes: ectopic pupil (H21.5)
Q13.3 Congenital corneal opacity
Q13.4 Other congenital corneal malformations
Congenital malformation of cornea NOS
Microcornea
Peter's anomaly
Q13.5 Blue sclera
Q13.8 Other congenital malformations of anterior segment of eye
Rieger's anomaly
Iridogoniodysgenesis with somatic anomalies
Q13.9 Congenital malformations of anterior segment of eye, unspecified

Q14 Congenital malformations of posterior segment of eye
Q14.0 Congenital malformation of vitreous humour
Congenital vitreous opacity
Q14.1 Congenital malformation of retina
Congenital retinal aneurysm
Coloboma of retina
Q14.10 Congenital retinoschisis
Q14.2 Congenital malformation of optic disc
Coloboma of optic disc
Q14.3 Congenital malformation of choroid
Q14.8 Other congenital malformations of posterior segment of eye
Coloboma of the fundus
Q14.9 Congenital malformation of posterior segment of eye, unspecified

Q15 Other congenital malformations of eye
Excludes: congenital nystagmus (H55)
ocular albinism (E70.3)
retinitis pigmentosa (H35.5)
Q15.0 Congenital glaucoma
Buphthalmos
Glaucoma of newborn
Hydrophthalmos
Macrophthalmos in congenital glaucoma
Q15.00 Congenital keratoglobus
Enlarged cornea
Megalocornea
Q15.8 Other specified congenital malformations of eye
Q15.9 Congenital malformation of eye, unspecified
Congenital: .anomaly } NOS of eye
.deformity}

Q16 Congenital malformations of ear causing hearing impairment
Excludes: congenital deafness (H90.-)
Q16.0 Congenital absence of (ear) auricle
Anotia
Congenital absence of ear lobe

Q16.1 Congenital absence, atresia and stricture of auditory canal (external)
Atresia, stenosis or stricture of osseous meatus
Q16.2 Absence of Eustachian tube
Q16.3 Congenital malformation of ear ossicles
Fusion of ear ossicles
Q16.4 Other congenital malformations of middle ear
Congenital malformations of middle ear NOS
Q16.5 Congenital malformation of inner ear
Anomaly of: .membranous labyrinth
.organ of Corti
Q16.9 Congenital malformation of ear causing impairment of hearing, unspecified
Congenital absence of ear NOS

Q17 Other congenital malformations of ear
Excludes: preauricular sinus (Q18.1)
Q17.0 Accessory auricle
Accessory tragus
Polyotia
Preauricular appendage or tag
Supernumary: .ear
.lobule
Excludes: Goldenhar syndrome
[oculo-auriculo-vertebral syndrome] (Q87.04)
Q17.1 Macrotia
Q17.2 Microtia
Q17.3 Other misshapen ear
Pointed ear
Vulcan ear
Simple ear
Q17.4 Misplaced ear
Low set ears
Excludes: cervical auricle (Q18.2)
Q17.5 Prominent ear
Bat ear
Q17.8 Other specified congenital malformations of ear
@ Darwin's tubercle
Branchio-oro-renal syndrome
Melnick-Fraser syndrome
Q17.9 Congenital malformation of ear, unspecified
Congenital anomaly of ear NOS

Q18 Other congenital malformations of face and neck
Excludes: cleft lip and cleft palate (Q35-37)
conditions classified to Q67.0-Q67.4
congenital malformations of skull and face bones (Q75.-)
cyclopia (Q87.03)
dentofacial anomalies [including malocclusion] (K07.-)
malformation syndromes affecting facial appearance (Q87.0-)
persistent thyroglossal duct (Q89.2)
Q18.0 Sinus, fistula and cyst of branchial cleft
Branchial vestige

Q18.1 Preauricular sinus and cyst
Fistula : .of auricle, congenital
.cervicoaural
Q18.2 Other branchial cleft malformations
Branchial cleft malformations NOS
Cervical auricle
Otocephaly
Q18.3 Webbing of neck
Pterygium colli
Q18.4 Macrostomia
Q18.5 Microstomia
Q18.6 Macrocheilia
Hypertrophy of lip, congenital
Q18.7 Microcheilia
Q18.8 Other specified congenital malformations of face and neck
Medial: .cyst }
.fistula} of face and neck
.sinus }
Q18.80 Synophrys
Q18.9 Congenital malformation of face and neck, unspecified
Congenital anomaly NOS of face and neck

Q20-Q28 Congenital malformations of the circulatory system

Q20 Congenital malformations of cardiac chambers and connections
Excludes: dextrocardia with situs inversus (Q89.3)
mirror image atrial arrangement with situs inversus (Q89.3)
Q20.0 Common arterial trunk
Persistent truncus arteriosus
Q20.1 Double outlet right ventricle
Taussig-Bing syndrome
Q20.2 Double outlet left ventricle
Q20.3 Discordant ventriculoarterial connection
Dextrotransposition of aorta
Transposition of great vessels (complete)
Q20.4 Double inlet ventricle
Common ventricle
Cor triloculare biatriatum
Single ventricle
Q20.5 Discordant atrioventricular connection
Corrected transposition
Levotransposition
Ventricular inversion
Q20.6 Isomerism of atrial appendages
Isomerism of atrial appendages with asplenia or polysplenia
Ivemark syndrome
Q20.8 Other congenital malformations of cardiac chambers and connections
Cor biloculare
Q20.9 Congenital malformation of cardiac chambers and connections, unspecified

Q21 Congenital malformations of cardiac septa
Excludes: acquired cardiac septal defect (I51.0)

Q21.0 Ventricular septal defect
Roger's disease [Maladie de Roger]
Small VSD with no significant haemodynamic effects
Q21.1 Atrial septal defect
Q21.10 Ostium secundum atrial septal defect (type II)
Q21.11 Patent or persistent foramen ovale
Q21.12 Sinus venosus defect
Q21.13 Coronary sinus defect
Q21.14 Lutembacher's syndrome (ASD plus mitral stenosis)
Q21.15 Common atrium
Cor triloculare biventriculare
Q21.18 Other specified atrial septal defect
Excludes: ostium primum atrial septal defect (type I) Q21.20
Q21.2 Atrioventricular septal defect
Q21.20 Ostium primum atrial septal defect (type I)
Q21.21 Common atrioventricular canal
Q21.28 Other specified atrioventricular septal defect
Endocardial cushion defect NOS
Q21.3 Tetralogy of Fallot
Ventricular septal defect with pulmonary stenosis or atresia, dextroposition of aorta and hypertrophy of right ventricle.
Q21.4 Aortopulmonary septal defect
Aortic septal defect
Aortopulmonary window
Q21.8 Other congenital malformations of cardiac septa
Q21.80 Left ventricle to right atrial communication
Gerbode defect
Q21.81 Eisenmenger's syndrome
Q21.82 Pentalogy of Fallot
Fallot's tetralogy plus atrial septal defect
Q21.9 Congenital malformation of cardiac septum, unspecified
Septal heart defect, NOS

Q22 **Congenital malformations of pulmonary and tricuspid valves**
Q22.0 Pulmonary valve atresia
Q22.1 Congenital pulmonary valve stenosis
Q22.2 Congenital pulmonary valve insufficiency
Congenital pulmonary valve regurgitation
Q22.3 Other congenital malformations of pulmonary valve
Congenital malformation of pulmonary valve NOS
Q22.4 Congenital tricuspid stenosis
Tricuspid atresia
Q22.5 Ebstein's anomaly
Q22.6 Hypoplastic right heart syndrome
Q22.8 Other congenital malformations of tricuspid valve
Q22.9 Congenital malformation of tricuspid valve, unspecified

Q23 **Congenital malformations of aortic and mitral valves**
Q23.0 Congenital stenosis of aortic valve
Congenital aortic: .atresia
.stenosis
Excludes: congenital subaortic stenosis (Q24.4)
that in hypoplastic left heart syndrome (Q23.4)
Q23.1 Congenital insufficiency of aortic valve
Congenital aortic insufficiency
Q23.10 Bicuspid aortic valve

Q23.2 Congenital mitral stenosis
Congenital mitral atresia
Q23.3 Congenital mitral insufficiency
Q23.4 Hypoplastic left heart syndrome
Atresia, or marked hypoplasia of aortic orifice or valve, with hypoplasia of ascending aorta and defective development of left ventricle (with mitral valve stenosis or atresia)
Q23.8 Other congenital malformations of aortic and mitral valves
Q23.9 Congenital malformation of aortic and mitral valves, unspecified

Q24 Other congenital malformations of heart
Excludes: endocardial fibroelastosis (I42.4)
Q24.0 Dextrocardia
Excludes: dextrocardia with situs inversus (Q89.3)
isomerism of atrial appendages (with asplenia or polysplenia) (Q20.6)
mirror image atrial arrangement with situs inversus (Q89.3)
Q24.1 Laevocardia
Q24.2 Cor triatriatum
Q24.3 Pulmonary infundibular stenosis
Q24.4 Congenital subaortic stenosis
Q24.5 Malformation of coronary vessels
Congenital coronary (artery) aneurysm
Q24.6 Congenital heart block
Q24.8 Other specified congenital malformations of the heart
Congenital malformation of: .myocardium
.pericardium
Malposition of heart
Uhl's disease
Congenital cardiomegaly
Fallot's trilogy
Ectopia cordis
Q24.80 Congenital diverticulum of left ventricle
Q24.9 Congenital malformations of the heart, unspecified
Congenital: .anomaly
.disease NOS of heart

Q25 Congenital malformations of great arteries
Q25.0 Patent ductus arteriosus
PDA
Patent ductus Botallo
Persistent ductus arteriosus
Q25.1 Coarctation of aorta
Q25.10 Preductal coarctation of aorta
Q25.11 Postductal coarctation of aorta
Q25.19 Coarctation of aorta unspecified
Q25.2 Atresia of aorta
Interrupted aortic arch
Q25.3 Stenosis of aorta
Supravalvular aortic stenosis
Excludes: congenital aortic stenosis (valvular) (Q23.0)

Q25.4 Other congenital malformations of aorta
Absence} of aorta
Aplasia}
Persistent convolutions of aortic arch
Excludes: hypoplasia of aorta in hypoplastic left heart syndrome (Q23.4)
Q25.40 Hypoplasia of aorta
Tubular hypoplasia of aorta
Q25.41 Persistent right aortic arch
Q25.42 Overriding aorta
Q25.43 Aneurysm of sinus of Valsalva (ruptured)
Q25.44 Double aortic arch
Vascular ring due to double aortic arch
Q25.45 Congenital aneurysm of aorta
Congenital dilatation of aorta
Q25.5 Atresia of pulmonary artery
Q25.6 Stenosis of pulmonary artery
Q25.7 Other congenital malformations of pulmonary artery
Agenesis } of pulmonary artery
Anomaly }
Hypoplasia }
Q25.70 Pulmonary arteriovenous aneurysm
Q25.71 Aberrant pulmonary artery
Q25.72 Congenital aneurysm of pulmonary artery
Congenital dilatation of pulmonary artery
Q25.8 Other congenital malformations of great arteries
Q25.9 Congenital malformations of great arteries, unspecified

Q26 Congenital malformations of great veins
Q26.0 Congenital stenosis of vena cava
Q26.00 Congenital stenosis of inferior vena cava
Q26.01 Congenital stenosis of superior vena cava
Q26.1 Persistent left superior vena cava
Q26.2 Total anomalous pulmonary venous connection
Q26.20 Total anomalous pulmonary venous connection-subdiaphragmatic
Q26.21 Total anomalous pulmonary venous connection-supradiaphragmatic
Q26.3 Partial anomalous pulmonary venous connection
Q26.4 Anomalous pulmonary venous connection, unspecified
Q26.5 Anomalous portal venous connection
Q26.6 Portal vein-hepatic artery fistula
Q26.8 Other congenital malformations of great veins
Absence of vena cava (inferior) (superior)
Azygos continuation of inferior vena cava
Persistent left posterior cardinal vein
Scimitar syndrome
Q26.9 Congenital malformation of great vein, unspecified
Anomaly of vena cava (inferior) (superior) NOS

Q27 Other congenital malformations of peripheral vascular system
Excludes: anomalies of: .cerebral and precerebral vessels (Q28.0-Q28.3)
.coronary vessels (Q24.5)
.pulmonary artery (Q25.5-Q25.7)
congenital retinal aneurysm (Q14.1)
haemangioma and lymphangioma (D18.-)
congenital naevi (Q82.5-)

Q27.0 Congenital absence and hypoplasia of umbilical artery
Single umbilical artery
Q27.1 Congenital renal artery stenosis
Q27.2 Other congenital malformations of renal artery
Congenital malformation of renal artery NOS
Multiple renal arteries
Q27.3 Peripheral arteriovenous malformation
Arteriovenous aneurysm
Excludes: acquired arteriovenous aneurysm (I77.0)
Q27.4 Congenital phlebectasia
Q27.8 Other specified congenital malformations of peripheral vascular system
Absence, atresia of artery or vein NEC
Congenital: .aneurysm (peripheral)
.stricture, artery
.varix
Q27.80 Aberrant subclavian artery
Anomalous right subclavian artery
Vascular ring due to anomalous right subclavian artery
Q27.81 Vascular ring, other and unspecified
Excludes: vascular ring due to double aortic arch (Q25.44)
vascular ring due to anomalous right subclavian artery (Q27.80)
Q27.9 Congenital malformation of peripheral vascular system, unspecified
Anomaly of artery or vein NOS

Q28 Other congenital malformations of circulatory system
Excludes: congenital aneurysm: .NOS (Q27.8)
.coronary (Q24.5)
.peripheral (Q27.8)
.pulmonary (Q25.7)
.retinal (Q14.1)
.aneurysm of sinus of Valsalva (ruptured) (Q25.43)
ruptured: .cerebral arteriovenous malformation (I60.8)
.malformation of precerebral vessels (I72.-)
Von Hippel-Lindau syndrome (Q85.82)
Q28.0 Arteriovenous malformation of precerebral vessels
Congenital arteriovenous precerebral aneurysm (nonruptured)
Q28.1 Other malformations of precerebral vessels
Congenital: .malformation of precerebral vessels NOS
.precerebral aneurysm (nonruptured)
Q28.2 Arteriovenous malformation of cerebral vessels
Arteriovenous malformation of brain NOS
Congenital arteriovenous cerebral aneurysm (nonruptured)
See also Sturge-Weber(-Dimitri) syndrome (Q85.81)

Q28.3 Other malformations of cerebral vessels
Congenital: .cerebral aneurysm (nonruptured)
.malformation of cerebral vessels NOS
Q28.8 Other specified congenital malformations of circulatory system
Congenital aneurysm, specified site NEC
Congenital lymphatic abnormalities
Q28.9 Congenital malformation of circulatory system, unspecified

Q30-Q34 **Congenital malformations of the respiratory system**

Q30 **Congenital malformations of nose**
Excludes: congenital deviation of nasal septum (Q67.4)

Q30.0 Choanal atresia
Atresia } of nares (anterior)(posterior)
Congenital stenosis }
CHARGE association

Q30.1 Agenesis and underdevelopment of nose
Congenital absence of nose

Q30.2 Fissured, notched and cleft nose

Q30.3 Congenital perforated nasal septum

Q30.8 Other congenital malformations of nose
Accessory nose
Congenital anomaly of nasal sinus wall

Q30.9 Congenital malformation of nose, unspecified

Q31 **Congenital malformations of larynx**

Q31.0 Web of larynx
Web of larynx: .NOS
.glottic
.subglottic

Q31.1 Congenital subglottic stenosis

Q31.2 Laryngeal hypoplasia

Q31.3 Laryngocele

Q31.4 Congenital laryngeal stridor
Congenital stridor (larynx) NOS

Q31.40 Congenital laryngomalacia

Q31.48 Other congenital laryngeal stridor

Q31.8 Other congenital malformations of larynx
Absence) of cricoid cartilage, epiglottis, glottis,
Agenesis) larynx or thyroid cartilage
Atresia)
Cleft thyroid cartilage
Congenital stenosis of larynx NEC
Fissure of epiglottis
Posterior cleft of cricoid cartilage

Q31.80 Congenital laryngeal cleft

Q31.9 Congenital malformation of larynx, unspecified

Q32 **Congenital malformations of trachea and bronchus**
Excludes: congenital bronchiectasis (Q33.4)

Q32.0 Congenital tracheomalacia

Q32.1 Other congenital malformations of trachea
Anomaly of tracheal cartilage
Atresia of trachea
Congenital: . dilatation } of trachea
. malformation }
. tracheocele

Q32.10 Congenital tracheal stenosis
Complete (cartilaginous) tracheal ring [stovepipe trachea]

Q32.11 Congenital tracheo-oesophageal cleft
Excludes: congenital tracheo-oesophageal fistula (Q39.1, Q39.2)

Q32.2 Congenital bronchomalacia

Q32.20 Primary congenital bronchomalacia

Q32.21 Secondary congenital bronchomalacia
Congenital bronchomalacia associated with vascular ring
Q32.3 Congenital stenosis of bronchus
Q32.4 Other congenital malformations of bronchus
Congenital malformation of bronchus NOS
Q32.40 Tracheal bronchus
Q32.41 Bronchus picus
Q32.42 Congenital diverticulum of bronchus
Q32.43 Absence of bronchus
Agenesis } of bronchus
Atresia }

Q33 Congenital malformations of lung
Q33.0 Congenital cystic lung
Congenital: .cystic lung disease
.bronchogenic cyst
Excludes: cystic lung disease, acquired or unspecified (J98.4)
Q33.00 Congenital single lung cyst
Q33.01 Congenital polycystic lung
Congenital multiple lung cysts
Q33.02 Congenital honeycomb lung
Q33.1 Accessory lobe of lung
Q33.10 Azygos lobe of lung
Q33.2 Sequestration of lung
Q33.3 Agenesis of lung
Absence of lung (lobe)
Q33.4 Congenital bronchiectasis
Q33.5 Ectopic tissue in lung
Q33.6 Hypoplasia and dysplasia of lung
Excludes: pulmonary hypoplasia associated with:
.short gestation (P28.0)
.prolonged rupture of membranes (P01.1)
Q33.8 Other congenital malformations of lung
Q33.80 Congenital (cystic) adenomatoid malformation of the lung
Q33.81 Broncho-pulmonary isomerism
Q33.9 Congenital malformation of lung, unspecified

Q34 Other congenital malformations of respiratory system
Q34.0 Anomaly of pleura
Q34.10 Bronchogenic cyst
Q34.8 Other specified congenital malformations of respiratory system
Atresia of nasopharynx
Q34.80 Congenital pulmonary lymphangiectasis
Q34.9 Congenital malformation of respiratory system, unspecified
Congenital: .absence } of respiratory organ
.anomaly NOS }

Q35-Q37 Cleft lip and cleft palate
Excludes: Robin's syndrome (Q87.08)

Q35 $$ Cleft palate
Includes: fissure of palate
palatoschisis
Excludes: cleft palate with cleft lip (Q37.-)
Q35.0 Cleft hard palate, bilateral

Q35.10 Cleft hard palate, unilateral
Q35.19 Cleft hard palate, unspecified
Q35.2 Cleft soft palate, bilateral
Q35.30 Cleft soft palate, unilateral
Q35.39 Cleft soft palate, unspecified
Q35.4 Cleft hard palate with cleft soft palate, bilateral
Bilateral complete cleft palate
Q35.50 Cleft hard palate with cleft soft palate, unilateral
Unilateral complete cleft palate
Q35.59 Cleft hard palate with cleft soft palate, unspecified
Complete cleft palate, unspecified
Q35.6 Cleft palate, medial
Median cleft of soft and/or hard palate
Q35.60 Central complete cleft palate
Q35.61 Central incomplete cleft palate
Q35.7 Cleft uvula
Bifid uvula
Q35.8 Cleft palate, unspecified, bilateral
Q35.90 Cleft palate, unspecified, unilateral
Q35.99 Cleft palate, unspecified

Q36 Cleft lip
Includes: cheiloschisis
congenital fissure of lip
harelip
labium leporinum
Excludes: cleft lip with cleft palate (Q37.-)
Q36.0 Cleft lip, bilateral
Q36.1 Cleft lip, medial
Q36.90 Cleft lip, specified as unilateral
Q36.99 Cleft lip NOS

Q37 $$ Cleft palate with cleft lip
Q37.0 Cleft hard palate with cleft lip, bilateral
Q37.10 Cleft hard palate with cleft lip, specified as unilateral
Q37.19 Cleft hard palate with cleft lip, NOS
Q37.4 Cleft hard and soft palate with cleft lip, bilateral
Q37.50 Cleft hard and soft palate with cleft lip, specified as unilateral
Q37.59 Cleft hard and soft palate with cleft lip NOS
Q37.8 Unspecified, cleft palate with cleft lip, bilateral
Q37.90 Unspecified, cleft palate with cleft lip, specified as unilateral
Q37.99 Cleft palate with cleft lip NOS

Q38-Q45 Other congenital malformations of the digestive system
Excludes: hernia: . inguinal (K40)
. femoral (K41)
. umbilical (K42)
. ventral (K43)

Q38 Other congenital malformations of tongue, mouth and pharynx
Excludes: macrostomia (Q18.4)
microstomia (Q18.5)

Q38.0 Congenital malformations of lips, not elsewhere classified
Congenital malformation of lip NOS
Labial pit
Van der Woude's syndrome
Excludes: cleft lip (Q36.-)
.with cleft palate (Q37.-)
macrocheilia (Q18.6)
microcheilia (Q18.7)
Q38.00 Congenital fistula of lip
Q38.08 Other congenital malformations of lips, not elsewhere classified
Q38.1 Ankyloglossia
Tongue tie
Q38.2 Macroglossia
Q38.3 Other congenital malformations of tongue
Bifid tongue
Congenital: .adhesion of tongue
.fissure of tongue
.dislocation or displacement of tongue
Hypoglossia
Hypoplasia of tongue
Microglossia
Lobulated tongue
Hamartomata of tongue
Q38.30 Aglossia
Q38.39 Congenital malformation of tongue NOS
Q38.4 Congenital malformations of salivary glands and ducts
Absence)
Accessory) (of) salivary gland or duct
Atresia)
Congenital fistula of salivary gland
Q38.5 Congenital malformations of palate, not elsewhere classified
Absence of uvula
Congenital malformation of palate NOS
Excludes: cleft palate (Q35.-)
.with cleft lip (Q37.-)
Q38.50 High arched palate
Q38.58 Other congenital malformations of palate, not elsewhere classified
Q38.6 Other congenital malformations of mouth
Congenital malformation of mouth NOS
Q38.7 Pharyngeal pouch
Diverticulum of pharynx
Excludes: pharyngeal pouch syndrome (D82.1)
Q38.8 Other congenital malformations of pharynx
Congenital malformation of pharynx NOS
Q38.80 Congenital palato-oesophageal incoordination
Naso-pharyngeal dysmotility

Q39 Congenital malformations of oesophagus
Excludes: congenital tracheo-oesophageal cleft (Q32.11)
Q39.0 Atresia of oesophagus without fistula
Atresia of oesophagus NOS
Q39.1 Atresia of oesophagus with tracheo-oesophageal fistula
Atresia of oesophagus with broncho-oesophageal fistula
Q39.10 Atresia of oesophagus with fistula between trachea and upper oesophageal pouch

Q39.11 Atresia of oesophagus with fistula between trachea and lower oesophageal pouch
Q39.2 Congenital tracheo-oesophageal fistula without atresia
Congenital tracheo-oesophageal fistula NOS
Q39.20 Congenital broncho-oesophageal fistula without atresia
Q39.3 Congenital stenosis and stricture of oesophagus
Q39.4 Oesophageal web
Q39.5 Congenital dilatation of oesophagus
Q39.50 Congenital cardiospasm
Achalasia of cardia, congenital
Q39.6 Diverticulum of oesophagus
Oesophageal pouch
Q39.8 Other congenital malformations of oesophagus
Absent oesophagus
Congenital displacement of oesophagus
Q39.80 Congenital duplication of oesophagus
Q39.81 Oesophageal dysmotility
Pseudo-obstruction of oesophagus
Q39.9 Congenital malformation of oesophagus, unspecified

Q40 **Other congenital malformations of upper alimentary tract**
Q40.0 Congenital hypertrophic pyloric stenosis
Congenital or infantile: . constriction)
. hypertrophy)
. spasm) of pylorus
. stenosis)
. stricture)
Pyloric stenosis, NOS, in infant less than three months old
Infantile hypertrophic pyloric stenosis
Q40.1 Congenital hiatus hernia
Displacement of cardia through oesophageal hiatus
Partial thoracic stomach
Excludes: congenital diaphragmatic hernia (Q79.0)
Q40.2 Other specified congenital malformations of stomach
Megalogastria
Microgastria
Congenital: .displacement of stomach
.diverticulum of stomach
.hourglass stomach
Prepyloric diaphragm
Q40.21 Dysmotility of stomach
Pseudo-obstruction of stomach
Q40.22 Duplication of stomach
Q40.3 Congenital malformation of stomach, unspecified
Q40.8 Other specified congenital malformations of upper alimentary tract
Pyloric atresia
Q40.9 Congenital malformation of upper alimentary tract,unspecified
Congenital: . anomaly)
. deformity) NOS of upper alimentary tract

Q41 **Congenital absence, atresia and stenosis of small intestine**
Includes: congenital obstruction, occlusion and stricture of small intestine or intestine NOS
Excludes: meconium ileus (E84.1)
Q41.0 Congenital absence, atresia and stenosis of duodenum

Q41.1 Congenital absence, atresia and stenosis of jejunum
Apple peel syndrome
Imperforate jejunum
Q41.2 Congenital absence, atresia and stenosis of ileum
Q41.8 Congenital absence, atresia and stenosis of other specified parts of small intestine
Congenital absence, atresia and stenosis of multiple regions of small intestine
Q41.9 Congenital absence, atresia and stenosis of small intestine, part unspecified
Congenital absence, atresia and stenosis of intestine NOS

Q42 Congenital absence, atresia and stenosis of large intestine
Includes: congenital obstruction, occlusion and stricture of large intestine
Q42.0 Congenital absence, atresia and stenosis of rectum with fistula
For Q42.0 the following optional fifth character codes may be used if desired to indicate the type of fistula:
.....0 rectourethral
.....1 rectovesical
.....2 rectovulval
.....3 rectocutaneous
.....4 rectocloacal
.....8 other specified (see below)

N.B. For Congenital absence, atresia and stenosis of rectum with rectovaginal fistula, use Q42.0 and Q52.2

For Congenital gastrointestinal-urinary tract fistula without rectal absence, atresia or stenosis, use Q64.74

Q42.1 Congenital absence, atresia and stenosis of rectum without fistula
Imperforate rectum
Q42.2 Congenital absence,atresia and stenosis of anus with fistula
For Q42.2 the following optional fifth character codes may be used if desired to indicate the type of fistula:
.....0 anocutaneous
.....1 anovestibular
.....8 other

Q42.3 Congenital absence,atresia,stenosis of anus without fistula
Imperforate anus
Congenital anal stenosis
Q42.8 Congenital absence, atresia and stenosis of other parts of large intestine
Congenital absence, atresia and stenosis of appendix
Q42.9 Congenital absence, atresia and stenosis of large intestine, part unspecified
Q42.90 Colonic atresia

Q43 Other congenital malformations of intestine
Q43.0 Meckel's diverticulum
Q43.00 Persistent omphalomesenteric duct
Persistent vitelline duct
Q43.01 Omphalomesenteric band
Q43.02 Omphalomesenteric cyst

Q43.1 Hirschsprung's disease
Aganglionosis
Congenital (aganglionic) megacolon
Hirschsprung's disease NOS
Q43.10 Short segment Hirschsprung's disease
Q43.11 Long segment Hirschsprung's disease
Q43.12 Total colonic aganglionosis
Q43.13 Total intestinal aganglionosis
Q43.2 Other congenital functional disorders of colon
Congenital dilatation of colon
Congenital macrocolon, not aganglionic
Small left colon syndrome
Megacystis, microcolon, hypoperistalsis syndrome
Neuronal intestinal dysplasia
Hyperganglionosis
Q43.20 Large intestinal dysmotility
Pseudo-obstruction of large intestine
Q43.3 Congenital malformations of intestinal fixation
Jackson's membrane
Universal mesentery
Other anomalies of mesentery
Q43.30 Malrotation of colon
Rotation:
. failure of }
. incomplete } of caecum and colon
. insufficient }
Q43.31 Congenital intraabdominal adhesions [bands]
Congenital adhesions [bands]: .omental, anomalous
.peritoneal
Ladd's bands
Q43.38 Other congenital malformations of intestinal fixation
Q43.4 Duplication of intestine
Duplication of anus, appendix, caecum and intestine
Enterogenous cyst
Q43.5 Ectopic anus
Misplaced anus
Q43.6 Congenital fistula of rectum and anus
Excludes: congenital fistula: .rectovaginal (Q52.2
.urethrorectal (Q64.7)
pilonidal fistula or sinus (L05.-)
congenital fistula of rectum and anus with absence, atresia and stenosis (Q42.0, Q42.2)
Q43.7 Persistent cloaca
Cloaca NOS
Q43.8 Other specified congenital malformations of intestine
Congenital: .blind loop syndrome
.diverticulitis, colon
.diverticulum, intestine
Dolichocolon
Megaloappendix
Megaloduodenum
Transposition of: .appendix
.colon
.intestine
Persistent inversion of appendix
Q43.80 Microcolon
Q43.81 Small intestinal dysmotility
Pseudo-obstruction of small intestine

Q43.82 Generalised intestinal dysmotility
Q43.83 Congenital intestinal blind loop
Q43.9 Congenital malformation of intestine, unspecified

Q44 **Congenital malformations of gallbladder, bile ducts and liver**
Q44.0 Agenesis, aplasia and hypoplasia of gallbladder
Congenital absence of gallbladder
Q44.1 Other congenital malformations of gallbladder
Congenital malformation of gallbladder NOS
Intrahepatic gallbladder
Duplication of gallbladder
Q44.2 Atresia of bile ducts
Biliary atresia NOS
Q44.20 Intrahepatic biliary atresia
Q44.21 Extrahepatic biliary atresia
Q44.3 Congenital stenosis and stricture of bile ducts
Q44.4 Choledochal cyst
Q44.5 Other congenital malformations of bile ducts
Accessory hepatic duct
Congenital malformation of bile duct NOS
Duplication: .biliary duct
.cystic duct
Q44.6 Cystic disease of liver
Fibrocystic disease of liver
Q44.7 Other congenital malformations of liver
Accessory liver
Congenital: .hepatomegaly
.malformation of liver NOS
Q44.70 Absence or agenesis of liver, total or lobe
Q44.71 Alagille's syndrome
Q44.72 Congenital atrophy of left lobe of liver
Q44.73 Riedel's lobe of liver
Q44.74 Ectopic liver
Q44.75 Focal nodular hypoplasia of liver

Q45 **Other congenital malformations of digestive system**
Excludes: congenital: .diaphragmatic hernia (Q79.0)
.hiatus hernia (Q40.1)
Q45.0 Agenesis, aplasia and hypoplasia of pancreas
Congenital absence of pancreas
Q45.1 Annular pancreas
Q45.2 Congenital pancreatic cyst

Q45.3 Other congenital malformations of pancreas and pancreatic duct
Accessory pancreas
Congenital malformation of pancreas or pancreatic duct NOS
Excludes: diabetes mellitus: .congenital (E10.-)
.neonatal (P70.2)
fibrocystic disease of pancreas (E84.-)
Q45.30 Ectopic pancreas
Q45.8 Other specified congenital malformations of digestive system
Q45.80 Absence (complete)(partial) of alimentary tract NOS
Q45.81 Duplication of digestive organs NOS
Q45.82 Malposition, congenital of digestive organs NOS
Q45.83 Congenital mesenteric cyst

Q45.9 Congenital malformation of digestive system, unspecified
Congenital: .anomaly } of digestive system
.deformity NOS }

Q50-Q56 Congenital malformations of genital organs
Excludes: androgen resistance syndrome [testicular feminisation syndrome] (E34.5)
syndromes associated with anomalies in the number and form of chromosomes (Q90-Q99)

Q50 Congenital malformations of ovaries, fallopian tubes and broad ligaments
Q50.0 Congenital absence of ovary
Excludes: Turner's syndrome (Q96.-)
Q50.00 Congenital absence of ovary, unilateral
Q50.01 Congenital absence of ovary, bilateral
Q50.1 Developmental ovarian cyst
Q50.10 Developmental ovarian cyst, single
Q50.11 Developmental ovarian cyst, multiple
Q50.2 Congenital torsion of ovary
Q50.3 Other congenital malformations of ovary
Accessory ovary
Dysplastic ovary
Congenital malformation of ovary NOS
Q50.30 Ovarian streak
Q50.4 Embryonic cyst of fallopian tube
Fimbrial cyst
Q50.5 Embryonic cyst of broad ligament
Cyst: . epoöphoron
. Gartner's duct
. parovarian
. of mesenteric remnant
Q50.6 Other congenital malformations of fallopian tube and broad ligament
Accessory) (of) fallopian tube or broad ligament
Atresia)
Congenital malformation of fallopian tube or broad ligament NOS
Q50.60 Absence of fallopian tube or broad ligament

Q51 Congenital malformations of uterus and cervix
Q51.0 Agenesis and aplasia of uterus
Congenital absence of uterus
Q51.1 Doubling of uterus with doubling of cervix and vagina
Q51.2 Other doubling of uterus
Doubling of uterus NOS
Q51.3 Bicornate uterus
Bicornuate uterus
Q51.4 Unicornate uterus
Unicornuate uterus
Q51.5 Agenesis and aplasia of cervix
Congenital absence of cervix
Q51.6 Embryonic cyst of cervix

Q51.7 Congenital fistula between uterus and digestive and urinary tracts
Uterointestinal fistula
Uterovesical fistula

Q51.8 Other congenital malformations of uterus and cervix
Displaced uterus
Hydrometrocolpos with post-axial polysyndactyly syndrome
Hypoplasia of uterus and cervix
Kaufman-McKusick syndrome
MURCS syndrome
Rudimentary cervix

Q51.9 Congenital malformation of uterus and cervix, unspecified

Q52 Other congenital malformations of female genitalia

Q52.0 Congenital absence of vagina

Q52.1 Doubling of vagina
Septate vagina
Excludes: doubling of vagina with doubling of uterus and cervix (Q51.1)

Q52.2 Congenital rectovaginal fistula
Excludes: cloaca (Q43.7)

Q52.3 Imperforate hymen

Q52.4 Other congenital malformations of vagina
Congenital malformation of vagina NOS
Congenital cyst of canal of Nuck

Q52.40 Embryonic vaginal cyst

Q52.5 Fusion of labia
Excludes: acquired labial adhesions (N90.8)
fused labia secondary to inflammation (N76.80)

Q52.6 Congenital malformation of clitoris

Q52.7 Other congenital malformations of vulva
Congenital: . absence } . cyst } of vulva . malformation NOS }

Q52.8 Other specified congenital malformations of female genitalia
Congenital cyst of hydatid of Morgagni in female

Q52.80 Congenital cyst of Wolffian duct in female

Q52.81 Female hypospadias

Q52.9 Congenital malformation of female genitalia, unspecified

Q53 Undescended testicle
Excludes: retractile testicle (Q55.20)
For Q53.0-.2 the following optional fifth character subdivisions denoting abnormal site of testis may be used if desired:
.....0 inguinal
.....1 canalicular
.....2 intraabdominal
.....8 other

Q53.0 Ectopic testis
Unilateral or bilateral ectopic testis

Q53.1 Undescended testicle, unilateral

Q53.2 Undescended testicle, bilateral

Q53.9 Undescended testicle, unspecified
Cryptorchidism NOS

Q54 Hypospadias
Excludes: epispadias (Q64.0)
Q54.0 Hypospadias, balanic
Hypospadias: .coronal
.glandular
Q54.1 Hypospadias, penile
Q54.2 Hypospadias, penoscrotal
Q54.3 Hypospadias, perineal
Q54.4 Congenital chordee
Q54.8 Other hypospadias
Excludes: female hypospadias (Q52.81)
Q54.9 Hypospadias, unspecified

Q55 Other congenital malformations of male genital organs
Excludes: congenital hydrocele (P83.5)
hypospadias (Q54.-)
Q55.0 Absence and aplasia of testis
Q55.00 Absence and aplasia of testis, unilateral
Monorchism
Q55.01 Absence and aplasia of testis, bilateral
Anorchism
Q55.1 Hypoplasia of testis and scrotum
Fusion of testes
Q55.2 Other congenital malformations of testis and scrotum
@ Congenital malformation of testis or scrotum NOS
Polyorchism
Q55.20 Retractile testis
Q55.21 Bifid scrotum
Q55.3 Atresia of vas deferens
Q55.4 Other congenital malformations of vas deferens, epididymis, seminal vesicles and prostate
Absence or aplasia of: .prostate
.spermatic cord
Congenital malformation of vas deferens, epididymis, seminal vesicles or prostate NOS
Cysts of embryonal remnants [persistent Wolffian duct]
Q55.40 Congenital cyst of hydatid of Morgagni in male
Q55.5 Congenital absence and aplasia of penis
Q55.6 Other congenital malformations of penis
Congenital malformation of penis NOS
Curvature of penis lateral
Hypoplasia of penis
Micropenis
Penile duplication
Penoscrotal transposition
Q55.8 Other specified congenital malformations of male genital organs
Q55.9 Congenital malformation of male genital organ, unspecified
Congenital: .anomaly } NOS of male genital organ
.deformity }

Q56 Indeterminate sex and pseudohermaphroditism
Excludes: pseudohermaphroditism:
. female, with adrenocortical disorder (E25.-)
. male, with androgen resistance (E34.5)
. with specified chromosomal anomaly (Q96-Q99)

Q56.0 Hermaphroditism, not elsewhere classified
Ovotestis
Excludes: Chimera 46,XX/46,XY true hermaphrodite (Q99.0)
Q56.1 Male pseudohermaphroditism, not elsewhere classified
Male pseudohermaphroditism NOS
Q56.2 Female pseudohermaphroditism, not elsewhere classified
Female pseudohermaphroditism NOS
Q56.3 Pseudohermaphroditism, unspecified
Q56.4 Indeterminate sex, unspecified
Ambiguous genitalia

Q60-Q64 Congenital malformations of the urinary system

Q60 Renal agenesis and other reduction defects of kidney
Includes: atrophy of kidney: . congenital
. infantile
congenital absence of kidney
Q60.0 Renal agenesis, unilateral
Q60.1 Renal agenesis, bilateral
Q60.2 Renal agenesis, unspecified
Q60.3 Renal hypoplasia, unilateral
Q60.4 Renal hypoplasia, bilateral
Q60.5 Renal hypoplasia, unspecified
Q60.6 Potter's syndrome
Potter's sequence
Oligohydramnios sequence

Q61 Cystic kidney disease
Excludes: acquired cyst of kidney (N28.1)
Q61.0 Congenital single renal cyst
Cyst of kidney (congenital)(single)
Q61.1 Polycystic kidney, infantile type
Q61.2 Polycystic kidney, adult type
Q61.3 Polycystic kidney, unspecified
Q61.4 Renal dysplasia
Q61.40 Multicystic dysplastic kidney, unilateral
Cystic renal dysplasia, unilateral
Q61.41 Multicystic dysplastic kidney, bilateral
Cystic renal dysplasia, bilateral
Q61.48 Other specified renal dysplasia
Q61.5 Medullary cystic kidney
Sponge kidney NOS
Q61.50 Juvenile medullary cystic kidney
Nephronophthisis
Q61.51 Adult type medullary cystic kidney
Q61.52 Medullary sponge kidney
Q61.8 Other cystic kidney disease
@ Fibrocystic renal degeneration or disease
Cystic kidney disease associated with:
. tuberous sclerosis (Q85.1)
. Zellweger's syndrome (Q87.83)
Glomerular cystic disease
Q61.9 Cystic kidney disease, unspecified
Q61.90 Meckel-Gruber syndrome
Microcephalus with cystic kidney disease

Q62 **Congenital obstructive defects of renal pelvis and congenital malformations of ureter**

Q62.0 Congenital hydronephrosis
Ante-natally diagnosed hydronephrosis

Q62.1 Atresia and stenosis of ureter
Congenital occlusion of ureter
Impervious ureter

Q62.10 Congenital pelviureteric junction obstruction, unilateral

Q62.11 Congenital pelviureteric junction obstruction, bilateral

Q62.12 Congenital vesicoureteric junction obstruction, unilateral

Q62.13 Congenital vesicoureteric junction obstruction, bilateral

Q62.18 Other specified atresia and stenosis of ureter

Q62.2 Congenital megaloureter
Congenital dilatation of ureter

Q62.3 Other obstructive defects of renal pelvis and ureter
Congenital ureterocele

Q62.30 Ectopic ureterocele

Q62.31 Orthotopic ureterocele

Q62.32 Congenital polyp of ureter

Q62.33 Congenital hydroureter

Q62.4 Agenesis of ureter
Absent ureter

Q62.5 Duplication of ureter
Accessory ureter

Q62.50 Double ureter
Duplex ureter
Complete duplication of ureter

Q62.51 Triple ureter

For Q62.6 the following optional 5th character subdivision can be used if desired, to indicate the site of ureteric drainage:

.....0 bladder neck
.....1 urethra
.....2 vagina
.....3 vulva
.....4 vas deferens
.....5 seminal vesicles
.....8 other

Q62.6 Malposition of ureter
Deviation }
Displacement }
Ectopic } (of) ureter or ureteric orifice
Implantation, anomalous }

Q62.7 Congenital vesico-uretero-renal reflux
Congenital vesicoureteric reflux
Excludes: vesicoureteral-reflux-associated nephropathy (N13.7)

Q62.70 Congenital vesico-uretero-renal reflux, unilateral

Q62.71 Congenital vesico-uretero-renal reflux, bilateral

Q62.8 Other congenital malformations of ureter
Anomaly of ureter NOS

Q63 **Other congenital malformations of kidney**
Excludes: congenital nephrotic syndrome (N04.-)

Q63.0 Accessory kidney

Q63.1 Lobulated, fused and horseshoe kidney
Renal fusion anomalies without ectopia
Excludes: crossed ectopia of kidney with fusion anomaly (Q63.22)
Q63.10 Horseshoe kidney
Q63.18 Other specified renal fusion anomaly
Q63.19 Renal fusion anomaly, unspecified
Q63.2 Ectopic kidney
Renal ectopia
Congenital displaced kidney
Malrotation of kidney
Q63.20 Pelvic kidney
Q63.21 Crossed ectopia of kidney (without fusion)
Q63.22 Crossed ectopia of kidney with fusion anomaly
Q63.28 Other specified renal ectopia
Q63.29 Renal ectopia, unspecified
Q63.3 Hyperplastic and giant kidney
Q63.8 @ Other specified congenital malformations of kidney
Q63.80 Double or triple kidney
Duplex or triplex kidney
Q63.81 Congenital calyceal diverticulum
Q63.9 Congenital malformation of kidney, unspecified

Q64 Other congenital malformations of urinary system
Q64.0 Epispadias
Excludes: hypospadias (Q54.-)
Q64.1 Exstrophy of urinary bladder
Ectopia vesicae
Extroversion of bladder
Q64.10 Cloacal exstrophy
Ectopia cloacae
Q64.2 Congenital posterior urethral valves
Q64.3 Other atresia and stenosis of urethra and bladder neck
@ Impervious urethra
Q64.30 Congenital bladder neck obstruction
Q64.31 Congenital stricture of urethra
Congenital stricture of anterior urethra
Q64.32 Congenital stricture of urethral meatus
Q64.33 Hypoplasia of urethra
Atresia of urethra
Q64.4 Malformation of urachus
Q64.40 Cyst of urachus
Q64.41 Patent urachus
Q64.42 Urachal diverticulum
Q64.48 Other specified malformation of urachus
Prolapse of urachus
Q64.5 Congenital absence of bladder and urethra
Q64.6 Congenital diverticulum of bladder
Congenital paraureteric diverticulum
Q64.7 Other congenital malformations of bladder and urethra
Accessory: .bladder
.urethra
Congenital: .hernia of bladder
.malformation of bladder or urethra NOS
.prolapse of: . urethra
. urinary meatus
Q64.70 Anterior urethral diverticulum
Q64.71 Congenital prolapse of bladder (mucosa)

Q64.72 Double urethra
Double urinary meatus
Q64.73 Ectopic urethra or urethral orifice
Q64.74 Congenital gastrointestinal-urinary tract fistula
Congenital: . urethrorectal fistula
. rectovesical fistula
Q64.75 Congenital megalourethra
Q64.76 Megacystis-megaureter syndrome
Q64.77 Congenital anterior urethral valves
Q64.78 Congenital urethral syringocele
Q64.8 Other specified congenital malformations of urinary system
Q64.9 Congenital malformation of urinary system, unspecified
Congenital: .anomaly } NOS of urinary system
.deformity}

Q65-Q79 Congenital malformations and deformations of musculoskeletal system

Q65 Congenital deformities of hip
[CDH]
Excludes: clicking hip (R29.4)
Q65.0 Congenital dislocation of hip, unilateral
Q65.1 Congenital dislocation of hip, bilateral
Q65.2 Congenital dislocation of hip, unspecified
Q65.3 Congenital subluxation of hip, unilateral
Q65.4 Congenital subluxation of hip, bilateral
Q65.5 Congenital subluxation of hip, unspecified
Q65.6 Unstable hip
Dislocatable hip
Subluxatable hip
Q65.60 Unstable hip, unilateral
Q65.61 Unstable hip, bilateral
Q65.8 Other congenital deformities of hip
Q65.80 Dysplastic hip, unilateral
Congenital acetabular dysplasia, unilateral
Q65.81 Dysplastic hip, bilateral
Congenital acetabular dysplasia, bilateral
Q65.82 Anteversion of femoral neck
Anteversion of femur
Q65.83 Congenital coxa valga
Q65.84 Congenital coxa vara
Q65.9 Congenital deformity of hip, unspecified

Q66 Congenital deformities of feet
Excludes: reduction defects of feet (Q72.-)
valgus deformities (acquired) (M21.0)
varus deformities (acquired) (M21.1)
Q66.0 Talipes equinovarus
Q66.1 Talipes calcaneovarus
Q66.2 Metatarsus varus
Metatarsus adductus
Q66.3 Other congenital varus deformities of feet
Hallux varus, congenital
Q66.4 Talipes calcaneovalgus

Q66.5 Congenital pes planus
Flat foot: .congenital
.rigid
.spastic (everted)
Excludes: pes planus acquired (M21.4)
Q66.6 Other congenital valgus deformities of feet
Metatarsus valgus
Q66.7 Pes cavus
Q66.8 Other congenital deformities of feet
Clubfoot NOS
Hammer toe, congenital
Talipes: . NOS
. asymmetric
Tarsal coalition
Vertical talus
Q66.80 Rocker bottom foot
Q66.81 Congenital short Achilles tendon
Q66.9 Congenital deformity of feet, unspecified

Q67 **Congenital musculoskeletal deformities of head, face, spine and chest**
Excludes: congenital malformation syndromes classified to Q87.-
Potter's sequence [syndrome] (Q60.6)
Q67.0 Facial asymmetry
Q67.1 Compression facies
Excludes: Potter's facies (Q60.6)
Q67.2 Dolichocephaly
Q67.3 Plagiocephaly
Asymmetric head
Q67.4 Other congenital deformities of skull, face and jaw
Hemifacial atrophy or hypertrophy
Squashed or bent nose, congenital
Excludes: dentofacial anomalies [including malocclusion] (K07.-)
syphilitic saddle nose (A50.5)
Goldenhar syndrome [oculo-auriculo-vertebral syndrome] (Q87.04)
Q67.40 Depressions in skull
Q67.41 Deviation of nasal septum, congenital
Q67.5 Congenital deformity of spine
@ Excludes: infantile idiopathic scoliosis (M41.0)
scoliosis due to congenital bony malformation (Q76.3)
Q67.50 Congenital scoliosis, postural
Q67.51 Congenital lordosis, postural
Q67.52 Congenital postural curvature of spine, NOS
Q67.58 Other specified congenital deformity of spine
Q67.6 Pectus excavatum
Congenital funnel chest
Q67.7 Pectus carinatum
Congenital pigeon chest
Q67.8 Other congenital deformities of chest
Congenital deformity of chest wall NOS

Q68 **Other congenital musculoskeletal deformities**
Excludes: reduction defects of limb(s) (Q71-Q73)

Q68.0 Congenital deformity of sternocleidomastoid muscle
Congenital (sternomastoid) torticollis
Contracture of sternocleidomastoid (muscle)
Sternomastoid tumour (congenital)
Excludes: sternomastoid swelling due to birth trauma (P15.2)
Q68.1 Congenital deformity of hand
@ Congenital clubfinger
Camptodactyly
Q68.10 Clinodactyly
Q68.2 Congenital deformity of knee
Q68.20 Congenital dislocation of knee
Q68.21 Congenital genu recurvatum
Q68.28 Other specified congenital deformity of knee
Q68.3 Congenital bowing of femur
Excludes: anteversion of femur (neck) (Q65.8)
Q68.4 Congenital bowing of tibia and fibula
Q68.5 Congenital bowing of long bones of leg, unspecified
Q68.8 Other specified congenital musculoskeletal deformities
@ Congenital deformity of: .clavicle
.elbow
.forearm
.scapula
Congenital dislocation of shoulder
Arthrogryposis NOS
Excludes: arthrogryposis multiplex congenita (Q74.3)
Q68.80 Congenital dislocation of radial head

Q69 Polydactyly
Excludes: acrocephalopolysyndactyly (Q87.01)
For Q69.0-Q69.2 the following BPA fifth-character extensions can be used if desired:
.....0 Preaxial
.....1 Mesoaxial
.....2 Postaxial
.....9 unspecified

Q69.0 Accessory finger(s)
Supernumerary finger(s)
Q69.1 Accessory thumb(s)
Supernumerary thumb(s)
Q69.2 Accessory toe(s)
Supernumerary toe(s)
Accessory [supernumerary] hallux
Q69.9 Polydactyly, unspecified
Supernumerary digit(s) NOS

Q70 Syndactyly
Excludes: acrocephalopolysyndactyly (Q87.00)
acrocephalosyndactyly (Q87.01)
Q70.0 Fused fingers
Complex syndactyly of fingers with synostosis
Q70.1 Webbed fingers
Simple syndactyly of fingers without synostosis
Q70.2 Fused toes
Complex syndactyly of toes with synostosis
Q70.3 Webbed toes
Simple syndactyly of toes without synostosis
Q70.4 Polysyndactyly

Q70.9 Syndactyly, unspecified
Q70.90 Symphalangism
Symphalangy NOS

Q71 Reduction defects of upper limb
Q71.0 Congenital complete absence of upper limb(s)
Amelia of upper limb
Q71.1 Congenital absence of upper arm and forearm with hand present
Phocomelia of upper limb
Q71.2 Congenital absence of both forearm and hand
Q71.3 Congenital absence of hand and finger(s)
Q71.4 Longitudinal reduction defect of radius
Clubhand (congenital)
Radial clubhand
Absence of radius
Excludes: thrombocytopenia with absent radius syndrome (Q87.25)
Fanconi's anaemia with absent radius (D61.0)
Q71.5 Longitudinal reduction defect of ulna
Q71.6 Lobster-claw hand
Congenital cleft hand
Q71.8 Other reduction defects of upper limb(s)
Congenital shortening of upper limb(s)
Q71.80 Congenital absence of finger(s)
[Remainder of hand intact]
Q71.81 Absence or hypoplasia of thumb
[Other digits intact]
Q71.9 Reduction defect of upper limb, unspecified
Congenital amputation of upper limb NOS
Constriction ring syndrome of upper limb NOS

Q72 Reduction defects of lower limb
Q72.0 Congenital complete absence of lower limb(s)
Amelia of lower limb
Q72.1 Congenital absence of thigh and lower leg with foot present
Phocomelia of lower limb
Q72.2 Congenital absence of both lower leg and foot
Q72.3 Congenital absence of foot and toe(s)
Q72.4 Longitudinal reduction defect of femur
Proximal femoral focal deficiency
Q72.5 Longitudinal reduction defect of tibia
Absence of tibia
Q72.6 Longitudinal reduction defect of fibula
Absence of fibula
Q72.7 Split foot
Q72.8 Other reduction defects of lower limb(s)
Congenital shortening of lower limb(s)
Q72.80 Congenital absence or hypoplasia of toe(s) with remainder of foot intact
Excludes: hallux (Q72.81)
Q72.81 Absence or hypoplasia of first toe with other digits present
Q72.9 Reduction defect of lower limb, unspecified
Congenital amputation of lower limb NOS
Constriction ring syndrome of lower limb NOS

Q73 Reduction defects of unspecified limb
Q73.0 Congenital absence of unspecified limb(s)
Amelia NOS

Q73.1 Phocomelia, unspecified limb(s)
Phocomelia NOS
Q73.8 Other reduction defects of unspecified limb(s)
Longitudinal reduction deformity of unspecified limb(s)
Ectromelia NOS } of limb(s) NOS
Hemimelia NOS }
Reduction defect }
Amputation of unspecified limb(s)
Constriction ring syndrome of unspecified limb(s)
Q73.80 Absent digits NOS
Excludes: congenital absence of all fingers (Q71.80)
congenital absence of all toes (Q72.80)

Q74 Other congenital malformations of limb(s)
Excludes: polydactyly (Q69.-)
reduction defect of limb (Q71-Q73)
syndactyly (Q70.-)
Q74.0 Other congenital malformations of upper limb(s), including shoulder girdle
Congenital pseudoarthrosis of clavicle
Congenital cubitus valgus or varus
Q74.00 Accessory carpal bones
Q74.01 Madelung's deformity
Q74.02 Cleidocranial dysostosis
Q74.03 Sprengel's deformity
Congenital elevation of the scapula
Q74.04 Macrodactylia (fingers)
Q74.05 Triphalangeal thumb
Q74.06 Radioulnar synostosis
Radioulnar dysostosis
Q74.07 Humeroulnar synostosis
Q74.08 Humeroradial synostosis
Q74.09 Bifid digit(s) of upper limb
Q74.1 Congenital malformation of knee
Congenital: .absence of patella
.dislocation of patella
.genu: . valgum
. varum
Rudimentary patella
Excludes: congenital: . dislocation of knee(Q68.2)
. genu recurvatum(Q68.2)
nail patella syndrome(Q87.2)
Q74.2 Other congenital malformations of lower limb(s), including pelvic girdle
Congenital malformation (of): .ankle (joint)
.sacroiliac (joint)
Excludes: anteversion of femur (neck) (Q65.8)
Q74.20 Congenital fusion of sacroiliac joint
Q74.21 Astragaloscaphoid synostosis
Q74.22 Congenital angulation of tibia
Q74.23 Bifid digit(s) of lower limb
Q74.3 Arthrogryposis multiplex congenita
Excludes: primary disorders of muscles (G71.-)
congenital viral myositis (P35.8)
infantile spinal muscular atrophy (G12.0)
Q74.8 Other specified congenital malformations of limb(s)
Q74.80 Brachydactyly

Q74.81 Congenital overgrowth of limb(s)
Congenital hemihypertrophy
Q74.82 Congenital undergrowth of limb(s)
Excludes: hemiatrophy NOS (R68.82)
Q74.83 Congenital limb asymmetry, unspecified
Q74.84 Larsen's syndrome
Q74.9 Unspecified congenital malformation of limb(s)
Congenital anomaly of limb(s) NOS

Q75 Other congenital malformations of skull and face bones
Excludes:
congenital malformation of face NOS (Q18.-)
congenital malformation syndromes classified to Q87.-
dentofacial anomalies [including malocclusion] (K07.-)
musculoskeletal deformities of head and face (Q67.0-Q67.4)
skull defects associated with congenital anomalies of brain such as:
. anencephaly (Q00.0)
. encephalocele (Q01.-)
. hydrocephalus (Q03.-)
. microcephaly (Q02)
Q75.0 Craniosynostosis
Imperfect fusion of skull
Pfeiffer syndrome
Excludes: thanatophoric dwarfism/trigonocephaly association (Q77.1)
acrocephalo(poly)syndactyly (Q87.0-)
clover leaf skull (Kleeblattschädel deformity syndrome) (Q03.80)
Q75.00 Coronal craniosynostosis
Brachycephaly
Q75.01 Sagittal craniosynostosis
Scaphocephaly
Q75.02 Trigonocephaly
Excludes: thanatophoric dwarfism (Q77.1)
Q75.03 Craniosynostosis of other multiple sutures
Acrocephaly
Oxycephaly
Turricephaly
Q75.1 Craniofacial dysostosis
Crouzon's disease
Q75.2 Hypertelorism
Q75.4 Mandibulofacial dysostosis
Note: Code Q75.4 is to be used for the isolated anomaly of skull and face bones. When this condition occurs as part of Treacher Collins [-Franceschetti] [-Klein] syndrome use (Q87.0A).
Q75.5 Oculomandibular dysostosis
Note: Code Q75.5 is to be used for the isolated anomaly of skull and face bones. When this condition occurs as part of Hallerman-Streiff syndrome use (Q87.05).
Q75.8 Other specified congenital malformations of skull and face bones
Absence of skull bone, congenital
Congenital deformity of forehead
Platybasia
Q75.80 Localised skull defects

Q75.81 Frontonasal dysplasia
Median cleft facial syndrome
Q75.9 Congenital malformation of skull and face bones, unspecified
Congenital anomaly of: . face bones NOS
. skull NOS

Q76 Congenital malformations of spine and bony thorax
Excludes: congenital musculoskeletal deformities of spine and chest (Q67.5-Q67.8)
Q76.0 Spina bifida occulta
Excludes: meningocele (spinal) (Q05.-)
spina bifida (aperta)(cystica) (Q05.-)
Q76.1 Klippel-Feil syndrome
Cervical fusion syndrome
Q76.2 Congenital spondylolisthesis
Congenital spondylolysis
Excludes: spondylolisthesis (acquired) (M43.1)
spondylolysis (acquired) (M43.0)
Q76.3 Congenital scoliosis due to congenital bony malformation
@ Kyphoscoliosis due to congenital bony malformation
Fusion or failure of segmentation with scoliosis
Q76.30 Single hemivertebra with congenital scoliosis
Q76.38 Congenital scoliosis due to other specified congenital bony malformation
Q76.4 Other congenital malformations of spine, not associated with
@ scoliosis
Congenital:
. fusion of spine }
. gibbus }
. kyphosis }
. lordosis } unspecified or
. malformation of lumbosacral (joint) } not associated
(region) } with scoliosis
Malformation of spine }
Platyspondylisis }
Supernumerary vertebra }
Q76.40 Congenital absence of vertebra(e)
Q76.41 Congenital anomalies of sacral vertebrae
Sacral agenesis
Q76.48 Congenital anomalies of other vertebrae
Q76.5 Cervical rib
Supernumerary rib in cervical region
Q76.6 Other congenital malformations of ribs
Congenital malformation of ribs NOS
Excludes: short rib syndrome (Q77.2)
Q76.60 Congenital absence of rib
Q76.61 Congenital fusion of ribs
Q76.62 Accessory rib
Excludes: cervical rib (Q76.5)
Q76.7 Congenital malformation of sternum
Misshapen sternum
Excludes: pectus excavatum (Q67.6)
pectus carinatum (Q67.7)
Q76.70 Congenital absence of sternum
Q76.71 Sternum bifidum
Q76.78 Other specified congenital malformation of sternum
Q76.8 Other congenital malformations of bony thorax
Q76.9 Congenital malformation of bony thorax, unspecified

Q77 Osteochondrodysplasia with defects of growth of tubular bones and spine
Excludes: mucopolysaccharidosis (E76.0-E76.3)
Q77.0 Achondrogenesis
Q77.00 Achondrogenesis, type I
Q77.01 Achondrogenesis, type II
Q77.02 Hypochondrogenesis
Q77.1 Thanatophoric short stature
Thanatophoric dwarfism/trigonocephaly association
Thanatophoric dysplasia (with clover leaf skull)
Q77.2 Short rib syndrome
Asphyxiating thoracic dysplasia [Jeune]
Jeune's syndrome
Q77.3 Chondrodysplasia punctata
Chondrodystrophia calcificans congenita
Conradi (-Hunerman) syndrome
Congenital multiple epiphyseal dysplasia
Rhizomelic syndrome
Excludes: warfarin embryopathy (Q86.2)
Q77.4 Achondroplasia
Achondroplastic dwarfism
Hypochondroplasia
Q77.5 Diastrophic dysplasia
Diastrophic dwarfism
Q77.6 Chondroectodermal dysplasia
Ellis-van Creveld syndrome
Q77.7 Spondyloepiphyseal dysplasia
Q77.8 Other osteochondrodysplasia with defects of growth of tubular bones and spine
Acrodysostosis
Kniest dysplasia
Q77.80 Metatropic dwarfism
Metatropic dysplasia
Q77.81 Metaphyseal chondrodysplasia
Metaphyseal dysostosis
Q77.9 Osteochondrodysplasia with defects of growth of tubular bones and spine,unspecified

Q78 Other osteochondrodysplasias
Q78.0 Osteogenesis imperfecta
Fragilitas ossium
Osteopsathyrosis
Q78.00 Osteogenesis imperfecta congenita
Q78.08 Other osteogenesis imperfecta
Osteogenesis imperfecta tarda
Q78.1 Polyostotic fibrous dysplasia
McCune-Albright(-Sternberg) syndrome
Q78.2 Osteopetrosis
Albers-Schönberg syndrome
Marble bone disease
Q78.3 Progressive diaphyseal dysplasia
Camurati-Engelmann syndrome
Q78.4 Enchondromatosis
Q78.40 Enchondromatosis with haemangiomata
Maffuci's syndrome
Kast's syndrome

Q78.48 Other specified enchondromatosis
Osteochondromatosis
Dyschondroplasia
Ollier's disease
Q78.5 Metaphyseal dysplasia
Pyle's syndrome
Q78.6 Multiple congenital exostoses
Diaphyseal aclasis
Q78.8 Other specified osteochondrodysplasias
Q78.80 Osteopoikilosis
Q78.81 Chondrodystrophic myotonia [Schwartz-Jampel]
Q78.9 Osteochondrodysplasia, unspecified
Chondrodystrophy NOS
Osteodystrophy NOS

Q79 **Congenital malformations of the musculoskeletal system, not elsewhere classified**
Excludes: congenital (sternomastoid) torticollis (Q68.0)
Q79.0 Congenital diaphragmatic hernia
Excludes: congenital hiatus hernia (Q40.1)
Q79.00 Congenital anterior (foramen of Morgagni) hernia
Q79.01 Congenital posterolateral (foramen of Bochdalek) hernia
Q79.1 Other congenital malformations of diaphragm
Congenital malformation of diaphragm NOS
Q79.10 Congenital eventration of diaphragm
Q79.11 Congenital absent hemidiaphragm, (unilateral)
Q79.12 Congenital absent diaphragm
Congenital absent hemidiaphragm, bilateral
Q79.2 Exomphalos
Omphalocele
Excludes: umbilical hernia (K42.-)
Q79.3 Gastroschisis
Q79.4 Prune belly syndrome
Q79.5 Other congenital malformations of abdominal wall
Excludes: umbilical hernia (K42.-)
Q79.6 Ehlers-Danlos syndrome
Q79.8 Other congenital malformations of the musculoskeletal system
Accessory muscle
Popliteal web syndrome
Congenital shortening of tendon
Excludes: achilles tendon (Q66.81)
Q79.80 Congenital constriction bands
Q79.81 Absence of muscle and/or tendon
Q79.82 Poland's anomaly [syndrome]
Q79.9 Congenital malformation of musculoskeletal system, unspecified
Congenital: .anomaly NOS } of musculoskeletal system NOS
.deformity NOS}
Unspecified anomalies of muscle, tendon, bones, cartilage or connective tissue

Q80-Q89 **Other congenital malformations**

Q80 **Congenital ichthyosis**
Excludes: Refsum's disease (G60.1)
Q80.0 Ichthyosis vulgaris
Q80.1 X-linked ichthyosis

Q80.2 Lamellar ichthyosis
(Non-bullous ichthyosiform erythroderma)
Severe form known as - Collodion baby
Q80.3 Congenital bullous ichthyosiform erythroderma
(Epidermolytic hyperkeratosis)
Q80.4 Harlequin fetus
Q80.8 Other congenital ichthyosis
Excludes: Sjögren-Larsson syndrome (Q87.1A)
Q80.9 Congenital ichthyosis unspecified

Q81 Epidermolysis bullosa
Q81.0 Epidermolysis bullosa simplex
Excludes: Cockayne's syndrome (Q87.1)
Q81.1 Epidermolysis bullosa letalis
Herlitz' syndrome
Q81.2 Epidermolysis bullosa dystrophica
Q81.8 Other epidermolysis bullosa
Q81.9 Epidermolysis bullosa, unspecified

Q82 Other congenital malformations of skin
Excludes: acrodermatitis enteropathica (E83.2)
congenital erythropoietic porphyria (E80.0)
pilonidal cyst or sinus (L05.-)
Sturge-Weber(-Dimitri) syndrome (Q85.8)
Q82.0 Hereditary lymphoedema
Q82.1 Xeroderma pigmentosum
Q82.2 Mastocytosis
Urticaria pigmentosa
Excludes: malignant mastocytosis (C96.2)
Q82.3 Incontinentia pigmenti
Q82.4 Ectodermal dysplasia (anhidrotic)
Excludes: Ellis-van Creveld syndrome (Q77.6)
ectodermal dysplasia, hidrotic (Q82.82)
Q82.5 Congenital non-neoplastic naevus
Birthmark NOS
Naevus: .sanguineous
.vascular NOS
.verrucous
Excludes: café au lait spots (L81.3)
lentigo (L81.4)
naevus: . NOS (D22.-)
. araneus (I78.1)
. melanocytic (D22.-)
. pigmented (D22.-)
. spider (I78.1)
. stellar (I78.1)
capillary haemangioma (D18.00)
cavernous haemangioma (D18.01)
mixed haemangioma (D18.02)
Q82.50 Naevus flammeus [Portwine stain]

Q82.51 Strawberry naevus
Note: This term should be used for typical strawberry naevi. Massive, non-superficial or otherwise atypical lesions should be coded to D18.0-.
Q82.52 Mongolian blue spot
Q82.58 Other specified congenital non-neoplastic naevus

Q82.8 Other specified congenital malformations of skin
Benign familiar pemphigus [Hailey-Hailey]
Cutis laxa (hyperelastica)
Dermatoglyphic anomalies [excludes: abnormal palmar creases - Q82.80]
Inherited keratosis palmaris et plantaris
Keratosis follicularis [Darier-White]
Excludes: Ehlers-Danlos syndrome (Q79.6)
Q82.80 Abnormal palmar creases
Q82.81 Accessory skin tags
Q82.82 Ectodermal dysplasia, hidrotic
Excludes: ectodermal dysplasia, anhidrotic (Q82.4)
Q82.83 Hypomelanosis of Ito
Q82.9 Congenital malformation of skin, unspecified

Q83 Congenital malformations of breast
Excludes: absence of pectoral muscle (Q79.81)
Q83.0 Congenital absence of breast with absent nipple
Q83.1 Accessory breast
Supernumerary breast
Q83.2 Absent nipple
Q83.3 Accessory nipple
Supernumerary nipple
Q83.8 Other congenital malformations of breast
Hypoplasia of breast
Q83.9 Congenital malformation of breast, unspecified

Q84 Other congenital malformations of integument
Q84.0 Congenital alopecia
Congenital atrichosis
Q84.1 Congenital morphological disturbances of hair, not elsewhere classified
Beaded hair
Monilethrix
Pili annulati
Pili torti
Excludes: Menkes' kinky hair syndrome (E83.0)
Q84.2 Other congenital malformations of hair
Congenital malformation of hair NOS
Persistent lanugo
Q84.20 Congenital hypertrichosis
Q84.3 Anonychia
Congenital absent nails
Excludes: nail patella syndrome (Q87.2)
Q84.4 Congenital leukonychia
Q84.5 Enlarged and hypertrophic nails
Congenital onychauxis
Pachyonychia
Q84.6 Other congenital malformations of nails
Congenital: .clubnail
.koilonychia
.malformation of nail NOS
Q84.8 Other specified congenital malformations of integument
Q84.80 Aplasia cutis congenita
Q84.9 Congenital malformation of integument, unspecified
Congenital: .anomaly NOS } of integument NOS
.deformity NOS}

Q85 **Phakomatoses, not elsewhere classified**
Excludes: ataxia-telangiectasia [Louis-Bar] (G11.30)
familial dysautonomia [Riley-Day] (G90.1)

Q85.0 Neurofibromatosis (nonmalignant)
Von Recklinghausen's disease

Q85.1 Tuberous sclerosis
Bourneville's disease
Epiloia

Q85.8 Other phakomatoses, not elsewhere classified
Excludes: Meckel-Gruber syndrome (Q61.9)

Q85.80 Peutz-Jeghers syndrome

Q85.81 Sturge-Weber(-Dimitri) syndrome

Q85.82 Von Hippel-Lindau syndrome

Q85.83 Gardner's syndrome
Osteomatosis-intestinal polyposis syndrome

Q85.9 Phakomatosis, unspecified
Hamartosis NOS

Q86 **Congenital malformation syndromes due to known exogenous causes, not elsewhere classified**
Excludes: iodine-deficiency-related hypothyroidism (E00-E02)
nonteratogenic effects of substances transmitted via placenta or breast milk (P04.-)

Q86.0 Fetal alcohol syndrome (dysmorphic)

Q86.1 @ Fetal hydantoin syndrome

Q86.2 Dysmorphism due to warfarin

Q86.8 Other congenital malformation syndromes due to known exogenous causes
Congenital malformations due to methylmercury

Q86.80 Congenital malformations due to valproate

Q86.81 Congenital malformations due to Vitamin A

Q86.82 Congenital malformations due to thalidomide

Q86.83 Congenital malformations due to cytotoxic agents

Q86.84 Congenital malformations due to other drugs

Q86.85 Congenital malformations due to ionising radiation

Q87 **Other specified congenital malformation syndromes affecting multiple systems**

Q87.0 **Congenital malformation syndromes predominantly affecting facial appearance**
Excludes: cherubism (K10.80)
Waardenburg's syndrome (E70.30)

Q87.00 Acrocephalopolysyndactyly
Acrocephalopolysyndactyly type I, Noack syndrome
Acrocephalopolysyndactyly type II, Carpenter syndrome

Q87.01 Acrocephalosyndactyly
Apert's syndrome
Vogt cephalodactyly

Q87.02 Cryptophthalmos syndrome

Q87.03 Cyclopia [cyclops][cyclopism][synophthalmia]

Q87.04 Goldenhar syndrome
Oculo-auriculo-vertebral syndrome [Hemifacial microsomia syndrome]

Q87.05 Hallerman-Streiff syndrome
Excludes: (isolated) oculomandibular dysostosis (Q75.5)

Q87.06 Moebius syndrome

Q87.07 Oro-facial-digital syndrome
Oro-facial-digital syndrome types I and II
Mohr syndrome
Q87.08 Pierre Robin sequence
Robin syndrome/sequence
Q87.09 Stickler syndrome
Hereditary progressive arthro-ophthalmopathy
Q87.0A Treacher Collins [-Franceschetti] [-Klein] syndrome
Excludes: (isolated) mandibulofacial dysostosis (Q75.4)
Q87.0B Trico-rhino-phalangeal syndrome
Type I
Type II [Langer-Giedion]
Q87.0C Whistling face syndrome
Q87.0D Ullrich-Feichtiger's syndrome
Dyscraniopygophalangism
Q87.0E Pena-Shokeir syndrome
Camptodactyly-ankyloses-facial anomalies-pulmonary hypoplasia syndrome
Q87.0F Other specified congenital malformation syndromes predominantly affecting facial appearance

Q87.1 Congenital malformation syndromes predominantly associated with short stature
Excludes: Ellis-van Creveld syndrome (Q77.6)
Q87.10 Aarskog syndrome
Q87.11 Cockayne syndrome
Q87.12 Cornelia de Lange syndrome
Amsterdam dwarf [Brachmann-de Lange syndrome]
Q87.13 Dubowitz syndrome
Q87.14 Noonan syndrome
Q87.15 Prader-Willi syndrome
Q87.16 Robinow-Silverman-Smith syndrome
Q87.17 Russell-Silver syndrome
Q87.18 Seckel syndrome
Bird-headed dwarfism
Microcephalic primordial dwarfism
Q87.19 Smith-Lemli-Opitz syndrome
7-dehydrocholesterol reductase deficiency
Q87.1A Sjögren-Larsson syndrome
Fatty alcohol:nicotinamide adenine dinucleotide oxidoreductase deficiency
Q87.1B Other specified congenital malformation syndromes predominantly associated with short stature

Q87.2 Congenital malformation syndromes predominantly involving limbs
Excludes: Fanconi's anaemia with absent radius (D61.0)
Q87.20 Holt-Oram syndrome
Q87.21 Klippel-Trénaunay-Weber syndrome
Q87.22 Nail patella syndrome
Q87.23 Rubinstein-Taybi syndrome
Q87.24 Sirenomelia syndrome
Q87.25 Thrombocytopenia with absent radius syndrome
TAR syndrome
Q87.26 VATER association
VACTERL association
Q87.28 Other specified congenital malformation syndromes predominantly involving limbs

Q87.3 Congenital malformation syndromes involving early overgrowth

Q87.30 Beckwith-Wiedemann syndrome
Beckwith's syndrome
Q87.31 Sotos syndrome
Cerebral gigantism
Q87.32 Weaver syndrome
Q87.38 Other specified congenital malformation syndromes involving early overgrowth
Q87.4 Marfan's syndrome
Arachnodactyly NOS
Q87.5 Other congenital malformation syndromes with other skeletal changes
Q87.8 Other specified congenital malformation syndromes, not elsewhere classified
Q87.80 Alport's syndrome
Q87.81 Laurence-Moon-Biedl syndrome
Laurence-Moon(-Bardet)-Biedl syndrome

Q87.83 Zellweger syndrome
Note: this is a peroxisomal disorder
Excludes: Zellweger-like syndrome (E88.8F)
pseudo-Zellweger syndrome (E88.8J)

Q87.84 William's syndrome
Q87.85 Angelman's syndrome
[Happy puppet syndrome]

Q89 Other congenital malformations, not elsewhere classified
Q89.0 Congenital malformations of spleen
Congenital splenomegaly [hyperplasia of spleen]
Hypoplasia of }
Mis-shapen }
Accessory } spleen
Ectopic }
Excludes: isomerism of atrial appendages (with asplenia or polysplenia) (Q20.6)
Q89.00 Congenital asplenia
Congenital absence of spleen
Q89.08 Other specified congenital malformation of spleen
Q89.1 Congenital malformations of adrenal gland
Accessory } adrenal gland
Ectopic }
Excludes: congenital adrenal hyperplasia (E25.0)
Q89.10 Congenital absence of adrenal gland
Q89.11 Congenital adrenal hypoplasia
Q89.18 Other specified congenital malformation of adrenal gland
Q89.2 Congenital malformations of other endocrine glands
Q89.20 Congenital malformations of pituitary gland
Q89.21 Congenital malformations of thyroid gland
Q89.22 Persistent thyroglossal duct
Q89.23 Thyroglossal cyst
Q89.24 Congenital malformations of parathyroid gland
Q89.25 Congenital malformations of thymus
Q89.3 Situs inversus
Excludes: dextrocardia NOS (Q24.0)
Q89.30 Dextrocardia with situs inversus

Q89.31 Mirror-image atrial arrangement with situs inversus
Q89.32 Situs inversus abdominalis
Situs transversus abdominalis
Transposition of abdominal viscera
Q89.33 Situs inversus thoracis
Situs transversus thoracis
Transposition of thoracic viscera
Q89.34 Kartagener's syndrome
Kartagener's triad
Excludes: other immotile cilia syndromes (J98.80)
Q89.38 Other specified situs inversus
Q89.4 Conjoined twins
Q89.40 Dicephaly
Two heads
Q89.41 Craniopagus
Head-joined twins
Q89.42 Thoracopagus
Thorax-joined twins
Q89.43 Xiphopagus
Xiphoid and pelvis-joined twins
Q89.44 Pygopagus
Buttock-joined twins
Q89.45 Double monster
Q89.48 Other specified conjoined twins
Q89.7 Multiple congenital malformations, not elsewhere classified
@ Multiple congenital: .anomalies NOS
.deformities NOS
Excludes: congenital malformation syndromes affecting multiple systems (Q87.-)
Q89.8 Other specified congenital malformations
Q89.80 Caudal dysplasia sequence
Q89.9 Congenital malformation, unspecified
Congenital: .anomaly NOS
.deformity NOS

Q90-Q99 Chromosomal abnormalities, not elsewhere classified

Q90 Down's syndrome
Q90.0 Trisomy 21, meiotic nondisjunction
Q90.1 Trisomy 21, mosaicism (mitotic nondisjunction)
Q90.2 Trisomy 21, translocation
Q90.9 Down's syndrome, unspecified
Trisomy 21 NOS

Q91 Edward's syndrome and Patau's syndrome
Q91.0 Trisomy 18, meiotic nondisjunction
Q91.1 Trisomy 18, mosaicism (mitotic nondisjunction)
Q91.2 Trisomy 18, translocation
Q91.3 Edward's syndrome, unspecified
Q91.4 Trisomy 13, meiotic nondisjunction
Q91.5 Trisomy 13, mosaicism (mitotic nondisjunction)
Q91.6 Trisomy 13, translocation
Q91.7 Patau's syndrome, unspecified

Q92 Other trisomies and partial trisomies of the autosomes, not elsewhere classified
Includes: unbalanced translocations and insertions
Excludes: trisomies of chromosomes 13, 18, 21 (Q90-Q91)

Q92.0 Whole chromosome trisomy, meiotic nondisjunction

Q92.1 Whole chromosome trisomy, mosaicism (mitotic nondisjunction)

Q92.2 Major partial trisomy
Whole arm or more duplicated

Q92.3 Minor partial trisomy
Less than whole arm duplicated

Q92.4 Duplications seen only at prometaphase

Q92.5 Duplications with other complex rearrangements

Q92.6 Extra marker chromosomes

Q92.7 Triploidy and polyploidy

Q92.8 Other specified trisomies and partial trisomies of autosomes

Q92.9 Trisomy and partial trisomy of autosomes, unspecified

Q93 Monosomies and deletions from the autosomes, not elsewhere classified

Q93.0 Whole chromosome monosomy, meiotic nondisjunction

Q93.1 Whole chromosome monosomy, mosaicism (mitotic nondisjunction)

Q93.2 Chromosome replaced with ring or dicentric

Q93.3 Deletion of short arm of chromosome 4
Wolff-Hirschorn syndrome

Q93.4 Deletion of short arm of chromosome 5
Cri du chat syndrome

Q93.5 Other deletions of part of a chromosome
Deletion of long arm of chromosome 13
Deletion of long or short arm of chromosome 18 [18p- or 18q- syndrome]

Q93.50 Deletion of long arm of chromosome 21
Anti-mongolism syndrome

Q93.6 Deletions seen only at prometaphase

Q93.7 Deletions with other complex rearrangements

Q93.8 Other deletions from the autosomes

Q93.9 Deletion from autosomes, unspecified

Q95 Balanced rearrangements and structural markers, not elsewhere classified
Includes: Robertsonian and balanced reciprocal translocations and insertions

Q95.0 Balanced translocation and insertion in normal individual

Q95.1 Chromosome inversion in normal individual

Q95.2 Balanced autosomal rearrangement in abnormal individual

Q95.3 Balanced sex/autosomal rearrangement in abnormal individual

Q95.4 Individuals with marker heterochromatin

Q95.5 Individuals with autosomal fragile site

Q95.8 Other balanced rearrangements and structural markers

Q95.9 Balanced rearrangement and structural marker, unspecified

Q96 Turner's syndrome
Excludes: Noonan's syndrome (Q87.14)

Q96.0 Karyotype 45,X

Q96.1 Karyotype 46,X iso (Xq)

Q96.2 Karyotype 46,X with abnormal sex chromosome, except iso (Xq)

Q96.3 Mosaicism, 45,X/46,XX or XY

Q96.4 Mosaicism, 45,X/other cell line(s) with abnormal sex chromosome

Q96.8 Other variants of Turner's syndrome
Q96.9 Turner's syndrome, unspecified

Q97 Other sex chromosome abnormalities, female phenotype, not
@ elsewhere classified
Q97.0 Karyotype 47,XXX
Q97.1 Female with more than three X chromosomes
Q97.2 Mosaicism, lines with various numbers of X chromosomes
Q97.3 Female with 46,XY karyotype
Excludes: Drash syndrome (N07)
Q97.8 Other specified sex chromosome abnormalities, female phenotype
Q97.9 Sex chromosome abnormality, female phenotype, unspecified

Q98 Other sex chromosome abnormalities, male phenotype, not elsewhere classified
Q98.0 Klinefelter's syndrome karyotype 47,XXY
Q98.1 Klinefelter's syndrome,male with more than two X chromosomes
Q98.2 Klinefelter's syndrome, male with 46,XX karyotype
Q98.3 Other male with 46,XX karyotype
Q98.4 Klinefelter's syndrome, unspecified
Q98.5 Karyotype 47,XYY
Q98.6 Male with structurally abnormal sex chromosome
Q98.7 Male with sex chromosome mosaicism
Q98.8 Other specified sex chromosome abnormalities, male phenotype
Q98.9 Sex chromosome abnormality, male phenotype, unspecified

Q99 Other chromosome abnormalities, not elsewhere classified
Q99.0 Chimera 46,XX/46,XY
Chimera 46,XX/46,XY true hermaphrodite
Q99.1 46,XX true hermaphrodite
46,XX with streak gonads
46,XY with streak gonads
Pure gonadal dysgenesis
Q99.2 Fragile X chromosome
Fragile X syndrome
Q99.8 Other specified chromosome abnormalities
Q99.9 Chromosomal abnormality, unspecified

Chapter XVIII, (R00-R99)

Symptoms, signs and abnormal clinical and laboratory findings, not elsewhere classified.

This chapter includes symptoms, signs, abnormal results of clinical or other investigative procedures, and ill-defined conditions regarding which no diagnosis classifiable elsewhere is recorded.

Signs and symptoms that point rather definitely to a given diagnosis have been assigned to a category in other chapters of the classification. In general, categories in this chapter include the less well-defined conditions and symptoms that, without the necessary study of the case to establish a final diagnosis, point perhaps equally to two or more diseases or to two or more systems of the body. Practically all categories in the chapter could be designated "not otherwise specified", "unknown aetiology" or "transient". The Alphabetical Index should be consulted to determine which symptoms and signs are to be allocated here and which to other chapters. The residual subcategories, numbered .8, are generally provided for other relevant symptoms that cannot be allocated elsewhere in the classification.

The conditions and signs or symptoms included in categories R00-R99 consist of: (a) cases for which no more specific diagnosis can be made even after all the facts bearing on the case have been investigated; (b) signs or symptoms existing at the time of initial encounter that proved to be transient and whose causes could not be determined; (c) provisional diagnoses in a patient who failed to return for further investigation or care; (d) cases referred elsewhere for investigation or treatment before the diagnosis was made; (e) cases in which a more precise diagnosis was not available for any other reason; (f) certain symptoms, for which supplementary information is provided, that represent important problems in medical care in their own right.

Excludes: abnormal findings on antenatal screening of mother (O28.-)
certain conditions originating in the perinatal period (P00-P96)

This chapter contains the following blocks:

R00-R09 Symptoms and signs involving the circulatory and respiratory systems
R10-R19 Symptoms and signs involving the digestive system and abdomen
R20-R23 Symptoms and signs involving the skin and subcutaneous tissue
R25-R29 Symptoms and signs involving the nervous and musculoskeletal systems
R30-R39 Symptoms and signs involving the urinary system
R40-R46 Symptoms and signs involving cognition, perception, emotional state and behaviour
R47-R49 Symptoms and signs involving speech and voice
R50-R69 General symptoms and signs
R70-R79 Abnormal findings on examination of blood, without diagnosis
R80-R82 Abnormal findings on examination of urine, without diagnosis
R83-R89 Abnormal findings on examination of other body fluids, substances and tissues, without diagnosis
R90-R94 Abnormal findings on diagnostic imaging and in function studies, without diagnosis
R95-R99 Ill-defined and unknown causes of mortality

R00-R09 Symptoms and signs involving the circulatory and respiratory systems

R00 Abnormalities of heart beat
Excludes: abnormalities originating in the perinatal period (P29.1)
specified dysrhythmias (I47-I49)
Note: Abnormalities of heart rate must be related to age-specific normal ranges
R00.0 Tachycardia, unspecified
R00.1 Bradycardia, unspecified
@ Use additional external cause code (Chapter XX), if desired, to identify drug, if drug-induced
R00.2 Palpitations
Awareness of heartbeat
R00.8 Other and unspecified abnormalities of heart beat

R01 Cardiac murmurs and other cardiac sounds
Excludes: those originating in the perinatal period (P29.8)
R01.0 Benign and innocent cardiac murmurs
Functional cardiac murmur
Flow murmur
R01.1 @ Cardiac murmur, unspecified
R01.2 Other cardiac sounds
Precordial friction rub

R02 # Gangrene, not elsewhere classified
@

R03 Abnormal blood-pressure reading, without diagnosis
Note: Blood-pressure measurements must be related to norms for age and sex
R03.0 Elevated blood-pressure reading, without diagnosis of
@ hypertension
R03.1 Nonspecific low blood-pressure reading
@ Excludes: hypotension (I95.-)

R04 Haemorrhage from respiratory passages
R04.0 @ Epistaxis
R04.1 Haemorrhage from throat
Excludes: haemoptysis (R04.2)
R04.2 Haemoptysis
@ Blood stained sputum
R04.8 Haemorrhage from other sites in respiratory passages
Pulmonary haemorrhage NOS
Excludes: perinatal pulmonary haemorrhage (P26.-)
R04.9 Haemorrhage from respiratory passages, unspecified

R05 # Cough
@ Excludes: psychogenic cough (F45.3)

R06 Abnormalities of breathing
@ Excludes: adult respiratory distress syndrome (J80)
respiratory: .arrest (R09.2)
.failure (J96.-)
.of newborn (P28.5)

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R06.0    Dyspnoea
@         Orthopnoea
R06.1    Stridor
@         Excludes: congenital laryngeal stridor (Q31.4)
                    other specified causes of stridor (J05, J38)
R06.10   Inspiratory stridor
R06.11   Expiratory stridor
R06.2    Wheezing
          Excludes: specified causes of wheeze (Chapter X)
R06.3    Periodic breathing
          Cheyne-Stokes breathing
R06.4    Hyperventilation
          Excludes: psychogenic hyperventilation (F45.3)
R06.5    Mouth breathing
@         Snoring
          Mouth breathing due to nasal obstruction
R06.50   Snuffles
           Snuffly baby
          Excludes: snuffles in newborn (P28.80)
R06.6    Hiccough
          Excludes: psychogenic hiccough (F45.3)
R06.7    Sneezing
R06.8    Other and unspecified abnormalities of breathing
@         Apnoea NOS
          Choking sensation
          Excludes: apnoea (of): .newborn (P28.3-P28.4)
                                 .sleep (G47.3)
R06.80   Breath-holding attack
          Breath-holding spells: .with pallor
                                 .with cyanosis
R06.81   Tachypnoea
          Excludes: transient tachypnoea of newborn (P22.1)
R06.82   Recession (respiratory)
R06.83   Grunting (expiratory)
          Excludes: respiratory distress of newborn (P22)
R06.84   Nasal flaring
          Flaring of alae nasae
R06.85   Noisy breathing, not further specified

R07      Pain in throat and chest
@         Excludes: dysphagia (R13)
                    pain in neck (M54.2)
                    sore throat (acute) NOS (J02.9)
R07.0    Pain in throat
R07.1    Chest pain on breathing
          Painful respiration
R07.2    Precordial pain
R07.3  @ Other chest pain
R07.4    Chest pain, unspecified

R09    $$ Other symptoms and signs involving the circulatory and
@         respiratory systems
           Excludes: respiratory failure (J96.-)
                       .of the newborn (P28.5)
R09.2  @ Respiratory arrest
R09.3    Abnormal sputum
@         Excludes: blood-stained sputum (R04.2)
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R09.8 Other specified symptoms and signs involving the circulatory
@ and respiratory systems
R09.80 Bruit (arterial)
R09.81 Venous hum
R09.82 Harrison's sulcus

R10-R19 Symptoms and signs involving the digestive system and abdomen
Excludes: gastrointestinal haemorrhage (K92.0-K92.2)
.newborn (P54.0-P54.3)
intestinal obstruction (K56.-)
.newborn (P76.-)
pylorospasm (K31.3)
. congenital or infantile (Q40.0)
symptoms and signs involving the urinary system
(R30-R39)
symptoms referable to genital organs:
. female (N94.-)
. male (N48-N50)

R10 Abdominal and pelvic pain
@ Excludes: renal colic (N23)
R10.0 Acute abdomen
Severe abdominal pain (generalised)(localised)(with
abdominal rigidity)
R10.1 Pain localised to upper abdomen
Epigastric pain
R10.2 Pelvic and perineal pain
R10.3 Pain localised to other parts of lower abdomen
R10.4 Other and unspecified abdominal pain
Colic NOS
R10.40 Infantile colic
Colic: .evening
.three month
R10.41 Abdominal tenderness, unspecified
R10.42 Recurrent abdominal pain
R10.43 Chronic persistent abdominal pain

R11 # Nausea and vomiting
@ Excludes: vomiting (of): . newborn (P92.0)
. following gastrointestinal
surgery (K91.0)
. psychogenic (F50.5)

R12 # Heartburn
Excludes: dyspepsia (K30)

R13 # Dysphagia
@

R14 # Flatulence and related conditions
@ Abdominal distension (gaseous)
Air swallowing
Wind
Excludes: psychogenic aerophagy (F45.3)

R15 # Faecal incontinence
Encopresis NOS
Excludes: that of nonorganic origin (F98.1)
chronic constipation with overflow (K59.01)

R16 Hepatomegaly and splenomegaly, not elsewhere classified
R16.0 Hepatomegaly, not elsewhere classified
Hepatomegaly NOS
R16.1 Splenomegaly, not elsewhere classified
Splenomegaly NOS
R16.2 Hepatomegaly with splenomegaly, not elsewhere classified
Hepatosplenomegaly NOS

R17 # Unspecified jaundice
Excludes: neonatal jaundice (P55, P57-P59)

R18 # Ascites
@

R19 Other symptoms and signs involving the digestive system and abdomen
Excludes: acute abdomen (R10.0)
R19.0 @ Intra-abdominal and pelvic swelling, mass and lump
R19.1 @ Abnormal bowel sounds
R19.2 @ Visible peristalsis
R19.3 Abdominal rigidity
Excludes: that with severe abdominal pain (R10.0)
R19.4 Change in bowel habit
Excludes: constipation (K59.0)
functional diarrhoea (K59.1)
R19.5 Other faecal abnormalities
Abnormal stool colour
Bulky stools
Mucus in stools
Excludes: melaena (K92.1):
. neonatal (P54.1)
R19.6 Halitosis
R19.8 Other specified symptoms and signs involving the digestive system and abdomen
R19.80 Rectal tenesmus

R20-R23 Symptoms and signs involving the skin and subcutaneous tissue

R20 Disturbances of skin sensation
@ Excludes: pruritus L29-
R20.0 Anaesthesia of skin
R20.1 Hypoaesthesia of skin
R20.2 Paraesthesia of skin
@ Pins and needles
R20.3 Hyperaesthesia
R20.8 Other and unspecified disturbances of skin sensation

R21 # Rash and other nonspecific skin eruption

R22 $$ Localised swelling, mass and lump of skin and subcutaneous
@ tissue
Excludes: enlarged lymph nodes (R59.-)
oedema (R60.-)
See ICD-10 for specific sites

R23 Other skin changes
R23.0 Cyanosis
Cyanotic attacks NOS
Excludes: acrocyanosis (I73.8)
cyanotic attacks of newborn (P28.2)
R23.1 Pallor
R23.10 Clammy skin
R23.2 @ Flushing
R23.3 Spontaneous ecchymoses
Petechiae
Excludes: ecchymoses in fetus and newborn (P54.5)
purpura (D69.-)
R23.4 Changes in skin texture
Desquamation }
Induration } of skin
Scaling }
R23.8 Other and unspecified skin changes
Periorbital shadowing

R25-R29 Symptoms and signs involving the nervous and musculoskeletal systems

R25 Abnormal involuntary movements
Excludes: specific movement disorders (G20-G26)
stereotyped movement disorders (F98.4)
tic disorders (F95.-)
Sandifer's syndrome (G26.X0*)
nystagmus (H55)
opsoclonus (H55.X0)
R25.0 Abnormal head movements
R25.1 Tremor, unspecified
@ See also G25.-
R25.2 @ Cramp and spasm
R25.3 Fasciculation
Twitching NOS
R25.8 Other and unspecified abnormal involuntary movements

R26 Abnormalities of gait and mobility
@
R26.0 @ Ataxic gait
R26.1 Paralytic gait
Spastic gait
R26.2 Difficulty in walking, not elsewhere classified
Off his/her feet
R26.8 Other and unspecified abnormalities of gait and mobility
Unsteadiness on feet NOS
R26.80 Bottom shuffler

R27 Other lack of coordination
@
R27.0 Ataxia, unspecified

R27.8 Other and unspecified lack of coordination
Muscular incoordination NOS
R27.80 Dysgraphia

R29 Other symptoms and signs involving nervous and musculoskeletal systems
R29.0 Tetany
@ Carpopedal spasm
Excludes: neonatal (P71.3)
R29.1 Meningismus
R29.2 @ Abnormal reflex
Excludes: abnormal pupillary reflex (H57.0)
R29.3 Abnormal posture
R29.4 Clicking hip
Clicky hip
Excludes: congenital deformities of hip (Q65.-)
R29.8 Other and unspecified symptoms and signs involving the nervous and musculoskeletal systems
R29.80 Pseudoparalysis of a limb
Excludes: paralysis of psychogenic origin F44.4
R29.81 Growing pains - limbs

R30-R39 Symptoms and signs involving the urinary system

R30 $$ Pain associated with micturition
@
R30.0 @ Dysuria
R30.1 Vesical tenesmus

R31 # Unspecified haematuria
Excludes: recurrent or persistent haematuria (N02.-)
R31.X0 Microscopic haematuria, unspecified
R31.X1 Macroscopic haematuria, unspecified

R32 # Unspecified urinary incontinence
@ Enuresis NOS
Excludes: nonorganic enuresis (F98.0)

R33 # Retention of urine

R34 # Anuria and oliguria
@

R35 # Polyuria
Excludes: psychogenic polyuria (F45.3)
R35.X0 Frequency of micturition
Urinary frequency
R35.X1 Nocturia
Excludes: nonorganic enuresis (F98.0)

R36 # Urethral discharge
@

R39 Other symptoms and signs involving the urinary system
R39.0 Extravasation of urine
R39.1 Other difficulties with micturition
@ Poor urinary stream

R39.2 Extrarenal uraemia
Prerenal uraemia
R39.8 Other and unspecified symptoms and signs involving the urinary system

R40-R46 Symptoms and signs involving cognition, perception, emotional state and behaviour
Excludes: those constituting part of a pattern of mental disorder (F00-F99)

R40 Somnolence, stupor and coma
Excludes: coma: . diabetic (E10-E14 with common fourth character .0)
. hepatic (K72.-)
. hypoglycaemic (nondiabetic) (E15)
. neonatal (P91.5)
. uraemic (N19)
R40.0 Somnolence
Drowsiness
R40.1 @ Stupor
R40.2 Coma, unspecified
Unconsciousness NOS

R41 Other symptoms and signs involving cognitive functions and awareness
Excludes: dissociative [conversion] disorders (F44.-)
R41.0 Disorientation, unspecified
@ Confusion NOS
R41.1 Anterograde amnesia
R41.2 Retrograde amnesia
R41.3 Other amnesia
@ Amnesia NOS
R41.8 Other and unspecified symptoms and signs involving cognitive function and awareness

R42 # Dizziness and giddiness
Light-headedness
Vertigo NOS
Excludes: vertiginous syndromes (H81.-)

R43 Disturbances of smell and taste
R43.0 Anosmia
R43.1 Parosmia
R43.2 Parageusia
R43.8 @ Other and unspecified disturbances of smell and taste

R44 Other symptoms and signs involving general sensations and perceptions
Excludes: disturbances of skin sensation (R20.-)
R44.0 Auditory hallucinations
R44.1 Visual hallucinations
R44.2 Other hallucinations
R44.3 Hallucinations, unspecified
R44.8 Other and unspecified symptoms and signs involving general sensations and perceptions

R45 $$ Symptoms and signs involving emotional state
R45.0 @ Nervousness
R45.2 Unhappiness
Worries NOS
R45.6 Physical violence

R46 $$ Symptoms and signs involving appearance and behaviour
R46.2 Strange and inexplicable behaviour
R46.3 Overactivity
Excludes: overactive disorder (F84.4)
hyperkinetic disorders (F90.-)
R46.6 Undue concern and preoccupation with stressful events

R47-R49 Symptoms and signs involving speech and voice

R47 Speech disturbances, not elsewhere classified
Excludes: autism (F84.0-F84.1)
cluttering (F98.6)
specific developmental disorders of speech and language (F80.-)
stuttering [stammering] (F98.5)
R47.0 Dysphasia and aphasia
R47.1 Dysarthria and anarthria
R47.8 Other and unspecified speech disturbances

R48 Dyslexia and other symbolic dysfunctions, not elsewhere classified
Excludes: specific developmental disorders of scholastic skills (F81.-)
R48.0 Dyslexia and alexia
R48.1 Agnosia
R48.2 Apraxia
R48.8 Other and unspecified symbolic dysfunctions
@ Acalculia

R49 Voice disturbances
@
R49.0 Dysphonia
Hoarseness
R49.1 Aphonia
Loss of voice
R49.2 Hypernasality and hyponasality
R49.8 @ Other and unspecified voice disturbances

R50-R69 $ General symptoms and signs

R50 Fever of unknown origin
@ Excludes: fever of unknown origin in newborn (P81.9)
R50.0 Fever with chills
Fever with rigors
R50.1 Persistent fever
R50.9 @ Fever, unspecified
Pyrexia of unknown origin, NOS
[PUO]

R51 # Headache
@ Facial pain NOS.
Excludes: migraine and other headache syndromes (G43-G44)

R52 Pain, not elsewhere classified
@ Includes: pain not referable to any one organ or body region
Excludes: pain in specified site
R52.0 Acute pain
R52.1 Chronic intractable pain
R52.2 Other chronic pain
R52.9 Pain, unspecified
Generalised pain NOS

R53 # Malaise and fatigue
@ Lethargy
Excludes: postviral fatigue syndrome (G93.3)

R55 # Syncope and collapse
@ Blackout
Fainting
Vasovagal attack
Excludes: orthostatic hypotension (I95.1)
shock NOS (R57.9)
breath holding attacks (R06.80)

R56 Convulsions, not elsewhere classified
@
R56.0 Febrile convulsions
Excludes: convulsions associated with fever:
. occurring as part of an epileptic syndrome (G40-G41)
. where associated acute illness [eg meningitis] is itself the cause of the convulsion (R56.8)
R56.00 Simple [uncomplicated] febrile convulsion
Febrile fit NOS
R56.01 Complex febrile convulsion
Febrile convulsion: . atypical
. prolonged
. focal
R56.8 Other and unspecified convulsions
Fit [Seizure] (convulsive) NOS
Isolated convulsion associated with acute illness and not occurring as part of an epileptic syndrome (G40-G41)

R57 Shock, not elsewhere classified
@
R57.0 Cardiogenic shock
R57.1 Hypovolaemic shock
R57.8 Other shock
Endotoxic shock
R57.9 @ Shock, unspecified

R58 # Haemorrhage, not elsewhere classified
@

R59 Enlarged lymph nodes
Includes: swollen glands
Excludes: lymphadenitis: . NOS (I88.9)
. acute (L04.-)
. chronic (I88.1)
. mesenteric (acute)(chronic) (I88.0)

R59.0 Localised enlarged lymph nodes

R59.1 Generalised enlarged lymph nodes

@ Excludes: HIV disease resulting in (persistent) generalised lymphadenopathy (B23.1)

R59.9 Enlarged lymph nodes, unspecified

R60 Oedema, not elsewhere classified

@ Excludes: oedema of: . newborn (P83.3)
. malnutrition (E40-E46)
hydrops fetalis NOS (P83.2)

R60.0 Localised oedema

R60.1 Generalised oedema

R60.9 @ Oedema, unspecified

R61 $$ Hyperhidrosis
Excessive sweating

R62 Lack of expected normal physiological development
Excludes: delayed puberty (E30.0)

R62.0 Delayed milestone
Delayed attainment of expected physiological developmental stage
Excludes: mental retardation (F70-79)
disorders of psychological development (F80-F89)

R62.00 Delayed motor milestone(s)
Late walker
Excludes: specific developmental disorder of motor function (F82)

R62.01 Delayed language milestone(s)
Late talker
Excludes: specific developmental disorders of speech and language (F80.-)

R62.02 Delayed social milestone(s)

R62.8 Other lack of expected normal physiological development

@ Physical retardation
Excludes: HIV disease resulting in failure to thrive (B22.2)
physical retardation due to malnutrition (E45)

R62.80 Failure to thrive
[FTT]
Failure to maintain growth velocity
Excludes: short stature (E34.3)

R62.9 Lack of expected normal physiological development, unspecified

R63 Symptoms and signs concerning food and fluid intake
Excludes: bulimia NOS (F50.2)
eating disorders of nonorganic origin (F50.-)
malnutrition (E40-E46)

R63.0 Anorexia
@ Excludes: anorexia nervosa (F50.0)
loss of appetite of nonorganic origin (F50.8)

R63.1 Polydipsia
Excessive thirst
R63.2 Polyphagia
@ Excessive eating
R63.3 Feeding difficulties and mismanagement
Feeding problem NOS
Excludes: feeding problems of newborn (P92.-)
infant feeding disorder of nonorganic origin (F98.2)
R63.4 Abnormal weight loss

R63.5 Abnormal weight gain
@ Excludes: obesity (E66.-)
R63.8 Other symptoms and signs concerning food and fluid intake

R64 # Cachexia
Excludes: HIV disease resulting in wasting syndrome (B22.2)
malignant cachexia (C80)
nutritional marasmus (E41)

R68 Other general symptoms and signs
R68.0 Hypothermia, not associated with low environmental temperature
@ Excludes: hypothermia:
.of newborn (P80.-)
.associated with low environmental temperature (T68)
R68.1 Nonspecific symptoms peculiar to infancy
Excludes: neonatal cerebral irritability (P91.3)
teething syndrome (K00.7)
R68.10 Excessive crying of infant
R68.11 Irritable infant
R68.2 @ Dry mouth, unspecified
R68.3 Clubbing of fingers
@ Excludes: congenital clubfinger (Q68.1)
R68.8 Other specified general symptoms and signs
R68.80 Hemihypertrophy
Significant hypertrophy of one limb
Excludes: congenital overgrowth of limb(s) (Q74.81)
R68.81 Hemiatrophy, unspecified

R69 # Unknown and unspecified causes of morbidity
Illness NOS
Undiagnosed disease, not specified as to the site or system involved

R70-R79 Abnormal findings on examination of blood, without diagnosis
@ Excludes: haemorrhagic and haematological disorders of fetus and newborn (P50-P61).
See ICD-10 for further detail

R70 Elevated erythrocyte sedimentation rate and abnormality of plasma viscosity
R70.0 Elevated erythrocyte sedimentation rate
Raised ESR
R70.1 Abnormal plasma viscosity

R71 # Abnormality of red blood cells
@ Abnormal red-cell morphology

R72 # Abnormality of white blood cells, not elsewhere classified
@ Abnormal leukocyte differential NOS

R73 . Elevated blood glucose level
@ Excludes: diabetes mellitus (E10-E14)
neonatal disorders (P70.0-P70.2)
R73.0 @ Abnormal glucose tolerance test
R73.9 Hyperglycaemia, unspecified

R74 $$ Abnormal serum enzyme levels

R75 # Laboratory evidence of human immunodeficiency virus [HIV]
Nonconclusive HIV-test finding in infants
Excludes: asymptomatic human immunodeficiency virus [HIV] infection status (Z21)
human immunodeficiency virus [HIV] disease (B20-B24)

R76 Other abnormal immunological findings in serum
R76.0 Raised antibody titre
@ Excludes: isoimmunization, in pregnancy affecting fetus or newborn (P55.-)
R76.1 Abnormal reaction to tuberculin test
Abnormal result of Mantoux test
R76.2 @ False-positive serological test for syphilis
R76.8 . Other specified abnormal immunological findings in serum
Raised level of immunoglobulins NOS
R76.9 Abnormal immunological finding in serum, unspecified

R77 $$ Other abnormalities of plasma proteins
Excludes: disorders of plasmaprotein metabolism (E88.0)

R78 $$ Findings of drugs and other substances, not normally found in blood
Excludes: mental and behavioural disorders due to psychoactive substance use (F10-F19)
R78.7 Finding of abnormal level of heavy metals in blood
Raised serum lead

R79 $$ Other abnormal findings of blood chemistry
@ See ICD-10 for further detail

R80-R82 Abnormal findings on examination of urine, without diagnosis
@ Excludes: specific findings indicating disorder of:
. amino-acid metabolism (E70-E72)
. carbohydrate metabolism (E73-E74)

R80 # Isolated proteinuria
@ Proteinuria NOS
Excludes: proteinuria: . isolated, with specified morphological lesion (N06.-)
. orthostatic (N39.2)
. persistent (N39.1)

R81 # Glycosuria
Excludes: renal glycosuria (E74.8)

R82 Other abnormal findings in urine
Excludes: haematuria (R31)
R82.0 @ Chyluria
R82.1 Myoglobinuria
R82.2 Biliuria
R82.3 Haemoglobinuria
Excludes: haemoglobinuria: . due to haemolysis from external causes NEC (D59.6)
. paroxysmal nocturnal [Marchiafava-Micheli] (D59.5)
R82.4 Acetonuria
Ketonuria
R82.5 Elevated urine levels of drugs, medicaments and biological substances
Elevated urine levels of: . catecholamines
. indoleacetic acid
. 17-ketosteroids
. steroids
R82.6 Abnormal urine levels of substances chiefly nonmedicinal as to source
Abnormal urine level of heavy metals
R82.7 @ Abnormal findings on microbiological examination of urine
R82.8 Abnormal findings on cytological and histological examination of urine
R82.9 Other and unspecified abnormal findings in urine
@ Cells and casts in urine
Crystalluria

R83-R89 $ Abnormal findings on examination of other body fluids, substances and tissues, without diagnosis
@ Excludes: diagnostic abnormal findings classified elsewhere - see Alphabetical Index.
See ICD-10 for further detail

R83 $$ Abnormal findings in cerebrospinal fluid

R84 $$ Abnormal findings in specimens from respiratory organs and thorax
@ Abnormal ciliary motility
Abnormal naso-pharyngeal aspirate [NPA]
Abnormal per-nasal swab [PNS]
Abnormal broncho-alveolar lavage [BAL]
Excludes: diagnostic abnormal findings ciliary dyskinesia syndromes (immotile cilia syndrome) (J98.80)

R90-R94 $ **Abnormal findings on diagnostic imaging and in function**
@ **studies, without diagnosis**
Includes: nonspecific abnormal findings on diagnostic imaging by: . computerised axial tomography [CAT scan]
. magnetic resonance imaging [MRI][NMR]
. positron electron emission tomography [PET scan]
. thermography
. ultrasound [echogram] [echo]
. X-ray examination
Excludes: **diagnostic abnormal findings** classified elsewhere - see Alphabetical Index

R90 **Abnormal findings on diagnostic imaging of central nervous system**
R90.0 Intracranial space-occupying lesion
R90.8 Other abnormal findings on diagnostic imaging of central
@ nervous system
R90.80 Abnormal cranial ultrasound scan

R91 # **Abnormal findings on diagnostic imaging of lung**
@ Azygos lobe

R93 $$ **Abnormal findings on diagnostic imaging of other body structures**
See ICD-10 for further detail
R93.0 Abnormal findings on diagnostic imaging of skull and head,
@ not elsewhere classified
R93.4 @ Abnormal findings on diagnostic imaging of urinary organs

R94 $$ **Abnormal results of function studies**
Includes: abnormal results of: . radionuclide [radioisotope] uptake studies
. scintigraphy
See ICD-10 for further detail
R94.0 Abnormal results of function studies of central nervous system
Abnormal electroencephalogram [EEG]
Abnormal polysomnography
R94.2 @ Abnormal results of pulmonary function studies
R94.80 Abnormal oesophageal pH probe study

R95-R99 **Ill-defined and unknown causes of mortality**
@ Excludes: fetal death of unspecified cause (P95)

R95 # **Sudden infant death syndrome**
SIDS
Cot death
Crib death

R96 $$ **Other sudden death, cause unknown**
@ Excludes: sudden cardiac death, so described (I46.1)

R98 # **Unattended death**
@

R99 # Other ill-defined and unspecified causes of mortality
Death NOS
Unknown cause of mortality

Chapter XIX, (S00-T98)

Injury, poisoning and certain other consequences of external causes

As the range of injuries and poisonings which occur in childhood is very similar to that found in adults, this chapter has been greatly abbreviated to produce a selection of the more commonly seen problems in childhood. For further details please see the full ICD-10.

Excludes: birth trauma (P10-P15)

This chapter contains the following blocks:

S00-S09	Injuries to the head
S10-S19	Injuries to the neck
S20-S29	Injuries to the thorax
S30-S39	Injuries to the abdomen, lower back, lumbar spine and pelvis
S40-S49	Injuries to the shoulder and upper arm
S50-S59	Injuries to the elbow and forearm
S60-S69	Injuries to the wrist and hand
S70-S79	Injuries to the hip and thigh
S80-S89	Injuries to the knee and lower leg
S90-S99	Injuries to the ankle and foot
T00-T07	Injuries involving multiple body regions
T08-T14	Injuries to unspecified parts of trunk, limb or body region
T15-T19	Effects of foreign body entering through natural orifice
T20-T32	Burns and corrosions
T33-T35	Frostbite
T36-T50	Poisoning by drugs, medicaments and biological substances
T51-T65	Toxic effects of substances chiefly nonmedicinal as to source
T66-T78	Other and unspecified effects of external causes
T79	Certain early complications of trauma
T80-T88	Complications of surgical and medical care, not elsewhere classified
T90-T98	Sequelae of injuries, of poisoning and of other consequences of external causes

The chapter uses the S-section for coding different types of injuries related to single body regions and the T-section to cover injuries to multiple or unspecified body regions as well as poisoning and certain other consequences of external causes.

Where multiple sites of injury are specified in the titles, the word "with" indicates involvement of both sites, and the word "and" indicates involvement of either or both sites.

The principle of multiple coding of injuries should be followed wherever possible. Combination categories for multiple injuries are provided for use when there is insufficient detail as to the nature of the individual conditions, or for primary tabulation purposes when it is more convenient to record a single code; otherwise, the component injuries should be coded separately. Reference should also be made to the morbidity or mortality coding rules and guidelines in Volume 2 of ICD-10.

The blocks of the S-section as well as T00-T14 and T90-T98 contain injuries at the three-character level classified by type as follows:

Superficial injury
Open wound
Fracture
Dislocation, sprain and strain
Injury to nerves and spinal cord
Injury to blood vessels
Injury to muscle and tendon
Crushing injury
Traumatic amputation
Injury to internal organs
Other and unspecified injuries

S00-S09 $ Injuries to the head
@

S02 $$ Fracture of skull and facial bones
Note: For primary coding of fracture of skull and facial bones with associated intracranial injury, refer to the morbidity or mortality coding rules and guidelines in Volume 2 of ICD-10.

The following subdivisions are provided for optional use in a supplementary character position where it is not possible or not desired to use multiple coding to identify fracture and open wound; a fracture not indicated as closed or open should be classified as closed.

0 closed
1 open

S02.0 Fracture of vault of skull
Frontal bone
Parietal bone

S02.1 Fracture of base of skull
Fossa: . anterior
. middle
. posterior
Occiput
Orbital roof
Sinus: . ethmoid
. frontal
Sphenoid
Temporal bone
Excludes: orbit NOS (S02.8)
orbital floor (S02.3)

S06 Intracranial injury
Note: For primary coding of intracranial injuries with associated fractures, refer to the morbidity or mortality coding rules and guidelines in Volume 2 of ICD-10.

The following subdivisions are provided for optional use in a supplementary character position where it is not possible or not desired to use multiple coding to identify intracranial injury and open wound:

0 without open intracranial wound
1 with open intracranial wound

S06.0 @ Concussion
S06.1 Traumatic cerebral oedema
S06.2 @ Diffuse brain injury
S06.3 @ Focal brain injury
S06.4 Epidural haemorrhage
Extradural haemorrhage (traumatic)
S06.5 Traumatic subdural haemorrhage
S06.6 Traumatic subarachnoid haemorrhage
S06.7 Intracranial injury with prolonged coma
S06.8 Other intracranial injuries
Traumatic haemorrhage: . cerebellar
. intracranial NOS
S06.9 Intracranial injury, unspecified
@ Excludes: head injury NOS (S09.9)

S20-S29 $ Injuries to the thorax

S22 $$ Fracture of rib(s), sternum and thoracic spine
@ The following subdivisions are provided for optional use in a supplementary character position where it is not possible or not desired to use multiple coding to identify fracture and open wound; a fracture not indicated as closed or open should be classified as closed.

0 closed
1 open

S22.3 Fracture of rib
S22.4 Multiple fractures of ribs

S40-S49 $ Injuries to the shoulder and upper arm
@ Excludes: bilateral involvement of shoulder and upper arm (T00-T07)

S42 $$ Fracture of shoulder and upper arm
The following subdivisions are provided for optional use in a supplementary character position where it is not possible or not desired to use multiple coding to identify fracture and open wound; a fracture not indicated as closed or open should be classified as closed.

0 closed
1 open

S42.0 @ Fracture of clavicle
S42.2 Fracture of upper end of humerus
@ Fracture of upper epiphysis
S42.3 @ Fracture of shaft of humerus
S42.4 Fracture of lower end of humerus
@ Fracture of lower epiphysis

S50-S59 $ Injuries to the elbow and forearm
Excludes: bilateral involvement of elbow and forearm (T00-T07)

S52 Fracture of forearm
The following subdivisions are provided for optional use in a supplementary character position where it is not possible or not desired to use multiple coding to identify fracture and open wound; a fracture not indicated as closed or open should be classified as closed.

0 closed
1 open

Excludes: fracture at wrist and hand level (S62.-)

S52.0 @ Fracture of upper end of ulna
S52.1 @ Fracture of upper end of radius
S52.2 Fracture of shaft of ulna
S52.3 Fracture of shaft of radius
S52.4 Fracture of the shafts of both ulna and radius
S52.5 @ Fracture of the lower end of radius
S52.6 Fracture of the lower end of both ulna and radius
S52.7 Multiple fractures of forearm
Excludes: fractures of both ulna and radius:
. lower end (S52.6)
. shafts (S52.4)
S52.8 @ Fracture of other parts of forearm
S52.9 Fracture of forearm, part unspecified

S53 $$ Dislocation, sprain and strain of joints and ligaments of elbow
S53.1 Dislocation of elbow, unspecified
Ulnohumeral joint
Excludes: dislocation of radial head alone (S53.0)

S70-S79 $ Injuries to the hip and thigh
Excludes: bilateral involvement of hip and thigh (T00-T07)

S72 Fracture of femur
The following subdivisions are provided for optional use in a supplementary character position where it is not possible or not desired to use multiple coding to identify fracture and open wound; a fracture not indicated as closed or open should be classified as closed.

0 closed
1 open

S72.0 Fracture of neck of femur
Fracture of hip NOS
S72.1 @ Pertrochanteric fracture
S72.2 Subtrochanteric fracture
S72.3 Fracture of shaft of femur
S72.4 Fracture of lower end of femur
S72.7 Multiple fractures of femur
S72.8 Fractures of other parts of femur
S72.9 Fracture of femur, part unspecified

S80-S89 $ Injuries to the knee and lower leg
@ Excludes: bilateral involvement of knee and lower leg (T00-T07)

S82 Fracture of lower leg, including ankle
The following subdivisions are provided for optional use in a supplementary character position where it is not possible or not desired to use multiple coding to identify fracture and open wound; a fracture not indicated as closed or open should be classified as closed.
0 closed
1 open

S82.0 @ Fracture of patella
S82.1 Fracture of upper end of tibia
@ With or without mention of fracture of fibula
S82.2 Fracture of shaft of tibia
With or without mention of fracture of fibula
S82.3 Fracture of lower end of tibia
With or without mention of fracture of fibula
Excludes: medial malleolus (S82.5)
S82.4 Fracture of fibula alone
Excludes: lateral malleolus (S82.6)
S82.5 @ Fracture of medial malleolus
S82.6 @ Fracture of lateral malleolus
S82.7 Multiple fractures of lower leg
@ Excludes: fracture of both tibia and fibula:
. lower end (S82.3)
. shafts (S82.2)
. upper end (S82.1)
S82.8 @ Fractures of other parts of lower leg
S82.9 Fracture of lower leg, part unspecified

S90-S99 $ Injuries to the ankle and foot
Excludes: bilateral involvement of ankle and foot (T00-T07)

S93 $$ Dislocation, sprain and strain of joints and ligaments at ankle and foot level
S93.4 Sprain and strain of ankle
@ Excludes: injury of Achilles tendon (S86.0)

T00-T07 $ Injuries involving multiple body regions
Includes: bilateral involvement of limbs of the same body region, injuries by type involving two or more body regions classifiable within S00-S99
See ICD-10 for further details

T08-T14 $ Injuries to unspecified part of trunk, limb or body region

T08 # Fracture of spine, level unspecified
The following subdivisions are provided for optional use in a supplementary character position where it is not possible or not desired to use multiple coding to identify fracture and open wound; a fracture not indicated as closed or open should be classified as closed.
0 closed
1 open

T09 $$ Other injuries of spine and trunk, level unspecified
@
T09.3 Injury of spinal cord, level unspecified

T15-T19 Effects of foreign body entering through natural orifice
@

T15 $$ Foreign body on external eye
@
T15.0 Foreign body in cornea
T15.1 Foreign body in conjunctival sac

T16 # Foreign body in ear
@

T17 Foreign body in respiratory tract
Includes: asphyxia due to foreign body
choked on: . food (regurgitated)
. phlegm
inhalation of liquid or vomitus NOS
T17.0 Foreign body in nasal sinus
T17.1 Foreign body in nostril
Nose NOS
T17.2 Foreign body in pharynx
Nasopharynx
Throat NOS
T17.3 Foreign body in larynx
T17.4 Foreign body in trachea
T17.5 Foreign body in bronchus
T17.8 Foreign body in other and multiple parts of respiratory tract
Bronchioles
Lung
T17.9 Foreign body in respiratory tract, part unspecified

T18 $$ Foreign body in alimentary tract
Excludes: foreign body in pharynx (T17.2)
T18.9 Foreign body in alimentary tract, part unspecified
@ Swallowed foreign body NOS

T19 $$ Foreign body in genitourinary tract
@

T20-T32 Burns and corrosions
@ Includes: burns (thermal) (electrical)
chemical burns [corrosions]
scalds
Excludes: sunburn (L55.-)

T20-T25 $ Burns and corrosions of external body surface, specified by site
Includes: burns and corrosions of:
. first degree [erythema]
. second degree [blisters][epidermal loss]
. third degree [deep necrosis of underlying tissue][full-thickness skin loss]
See ICD-10 for further details

T26-T28 $ Burns and corrosions confined to eye and internal organs

T28 $$ Burn and corrosion of other internal organs
T28.5 Corrosion of mouth and pharynx
T28.6 Corrosion of oesophagus

T29-T32 $ Burns and corrosions of multiple and unspecified body regions
This section contains details of burns and corrosions of multiple and unspecified body regions classified according to degree of burn or percentage of body area involved. See ICD-10 for further details.

T36-T50 $ Poisoning by drugs, medicaments and biological substances
@ Includes: overdose of these substances
wrong substance given or taken in error
Excludes: adverse effects ["hypersensitivity", "reaction", etc.] of correct substance properly administered; such cases are to be classified according to the nature of the adverse effect, such as:
. blood disorders (D50-D76)
. dermatitis: . contact (L23-L25)
. due to substances taken internally (L27.-)
. nephropathy (N14.0-N14.2)
drug reaction and poisoning affecting the fetus and newborn (P00-P96)

T39 $$ Poisoning by nonopioid analgesics, antipyretics and antirheumatics
T39.0 Salicylates
Aspirin
T39.10 Paracetamol
Acetaminophen

T42 $$ Poisoning by antiepileptic, sedative-hypnotic and
@ antiparkinsonism drugs
T42.0 Hydantoin derivatives
T42.00 Phenytoin
T42.10 Carbamazepine
T42.20 Ethosuximide
T42.4 Benzodiazepines
T42.60 Valproate

T43 $$ Poisoning by psychotropic drugs, not elsewhere classified
@
T43.0 Tricyclic and tetracyclic antidepressants
T43.1 Monoamine-oxidase-inhibitor antidepressants

T45 $$ Poisoning by primarily systemic and haematological agents, not elsewhere classified
T45.4 Iron and its compounds

T48 $$ Poisoning by agents acting on smooth and skeletal muscles and the respiratory system
T48.60 Salbutamol

T51-T65 $ Toxic effects of substances chiefly nonmedicinal as to source
@ Excludes: corrosions (T20-T32)

T51 $$ Toxic effect of alcohol
@ Use code from Chapter IV, (E16.1), to identify alcohol induced hypoglycaemia, if desired.
T51.0 Ethanol
@ Excludes: acute alcohol intoxication or "hangover" effects (F10.0)
drunkenness (F10.0)

T56 $$ Toxic effect of metals
@ Includes: fumes and vapours of metals
T56.0 Lead and its compounds

T60 $$ Toxic effect of pesticides
@

T62 $$ Toxic effect of other noxious substances eaten as food
@
T62.0 Ingested mushrooms
T62.1 Ingested berries
T62.2 Other ingested (parts of) plant(s)

T64 # Toxic effect of aflatoxin and other mycotoxin food contaminants

T66-T78 $ Other and unspecified effects of external causes

T67 $$ Effects of heat and light
@ Excludes: burns (T20-T31)
sunburn (L55.-)
T67.0 @ Heatstroke and sunstroke

T68 # Hypothermia
Accidental hypothermia
Excludes: frostbite (T33-T35)
hypothermia (of):
. following anaesthesia (T88.5)
. newborn (P80.-)
. not associated with low environmental temperature (R68.0)

T71 # Asphyxiation
@ Suffocation (by strangulation)
Excludes: asphyxia from inhalation of food or foreign body ((T17.-)

T74 Maltreatment syndromes
Use additional code, if desired, to identify current injury.
T74.0 Neglect or abandonment
T74.1 Physical abuse
T74.10 Physical abuse of child
Non-accidental injury NOS
[NAI]
Battered baby or child syndrome NOS
T74.11 Battered spouse syndrome NOS
T74.2 Sexual abuse
Use injury codes from S30.-, S31.- if desired
T74.3 Psychological abuse
T74.8 Other maltreatment syndromes
Mixed forms
T74.9 @ Maltreatment syndrome, unspecified

T75 $$ Effects of other external causes
@
T75.1 Drowning and nonfatal submersion
Immersion
Swimmer's cramp
Near drowning
T75.4 Effects of electric current
@ Electrocution

T78 $$ Adverse effects, not elsewhere classified
@ Note: This category is to be used as the primary code to identify the effects, not elsewhere classifiable, of unknown, undetermined or ill-defined causes. For multiple coding purposes this category may be used as an additional code to identify the effects of conditions classified elsewhere.
T78.0 Anaphylactic shock due to adverse food reaction
T78.1 Other adverse food reactions, not elsewhere classified
@ Excludes: dermatitis due to food (L27.2)

T78.2 Anaphylactic shock, unspecified
@ Excludes: anaphylactic shock due to:
. adverse effect of correct medicinal substance properly administered (T88.6)
. serum (T80.5)
T78.3 @ Angioneurotic oedema
T78.4 Allergy, unspecified
@ Excludes: allergic reaction NOS to correct medicinal substance properly administered (T88.7)

T79 $ Certain early complications of trauma

T80-T88 $ Complications of surgical and medical care, not elsewhere
@ classified
Use additional external cause code (Chapter XX), if desired, to identify devices involved and details of circumstances.

Use additional code (B95-B97), if desired, to identify infectious agent.
Excludes: adverse effects of drugs and medicaments which can be classified elsewhere (A00-R99, T78.-)
poisoning and toxic effects of drugs and chemicals (T36-T65)
specified complications classified elsewhere

T80 $$ Complications following infusion, transfusion and therapeutic
@ injection
T80.1 Vascular complications following infusion, transfusion and
@ therapeutic injection
Phlebitis
Thromboembolism
Thrombophlebitis
Excludes: when specified as:
. due to prosthetic devices, implants and grafts (T82.8, T83.8, T84.8, T85.8)
. postprocedural (T81.7)
T80.2 Infections following infusion, transfusion and therapeutic
@ injection
Septicaemia
Excludes: when specified as:
. due to prosthetic devices, implants and grafts (T82.6-T82.7, T83.5-T83.6, T84.5-T84.7, T85.7)
. postprocedural (T81.4)

T82 $$ Complications of cardiac and vascular prosthetic devices,
@ implants and grafts
T82.7 Infection and inflammatory reaction due to other cardiac and vascular devices, implants and grafts
Infection due to indwelling venous or arterial catheters
Excludes: cardiac valve prosthesis (T82.6)

T83 $$ Complications of genitourinary prosthetic devices, implants
@ and grafts
T83.0 @ Mechanical complication of urinary (indwelling) catheter
T83.5 Infection and inflammatory reaction due to prosthetic device, implant and graft in urinary system
Infection and inflammatory reaction due to urinary catheter

T85 $$ Complications of other internal prosthetic devices, implants
@ and grafts
T85.0 Mechanical complication of ventricular intracranial
@ (communicating) shunt
T85.70 Infection and inflammatory reaction due to ventricular
intracranial (communicating) shunt

T86 $$ Failure and rejection of transplanted organs and tissues
T86.0 Bone-marrow transplant rejection
Graft-versus-host reaction or disease
T86.1 Kidney transplant failure and rejection

T88 $$ Other complications of surgical and medical care, not
@ elsewhere classified
T88.0 @ Infection following immunisation
T88.1 Other complications following immunisation, not elsewhere
@ classified
Rash following immunisation
Excludes: postimmunisation: . arthropathy (M02.2)
. encephalitis (G04.0)

T90-T98 $ Sequelae of injuries, of poisoning and of other consequences of external cause
Note: These categories are to be used to indicate conditions in S00-S99 and T00-T88 as the cause of late effects, which are themselves classified elsewhere. The "sequelae" include those specified as such, or as late effects, and those present one year or more after the acute injury.

T90 $$ Sequelae of injuries of head
T90.2 Sequelae of fracture of skull and facial bones
Sequelae of injury classifiable to S02.-
T90.5 Sequelae of intracranial injury
Sequelae of injury classifiable to S06.-

T91 $$ Sequelae of injuries of neck and trunk
T91.1 @ Sequelae of fracture of spine
T91.3 @ Sequelae of injury of spinal cord

T98 $$ Sequelae of other and unspecified effects of external causes
T98.0 Sequelae of effects of foreign body entering through natural
@ orifice
Sequelae of asphyxia due to foreign body in respiratory tract (T17.-)
T98.1 Sequelae of other and unspecified effects of external causes
Sequelae of: . asphyxiation (T71)
. maltreatment syndromes (T74.-)
. near drowning (T75.1)

Chapter XX, V01-Y98
External causes of morbidity and mortality

As the range of external causes of morbidity and mortality found in childhood is very similar to that found in adults, only a very short extract of the corresponding ICD-10 chapter has been included here to include some conditions seen more commonly in childhood. For further details please see the full ICD-10.

This chapter, permits the classification of environmental events and circumstances as the cause of injury, poisoning and other adverse effects. Where a code from this section is applicable, it is intended that it shall be used in addition to a code from another chapter of the Classification indicating the nature of the condition. Most often, the condition will be classifiable to Chapter XIX, Injury, poisoning and certain other consequences of external causes (S00-T98). Causes of death should preferably be tabulated according to both Chapter XIX and Chapter XX, but if only one code is tabulated then the code from Chapter XX should be used in preference. Other conditions that may be stated to be due to external causes are classified in Chapters I to XVIII. For these conditions, codes from Chapter XX should be used to provide additional information for multiple-condition analysis only.

This chapter contains the following blocks:

V01-X59 Accidents
  V01-V99 Transport accidents
  W00-X59 Other external causes of accidental injury
X60-X84 Intentional self-harm
X85-Y09 Assault
Y10-Y34 Event of undetermined intent
Y40-Y84 Complications of medical and surgical care
Y85-Y89 Sequelae of external causes of morbidity and mortality
Y90-Y98 Supplementary factors related to causes of morbidity and mortality classified elsewhere

Place of occurrence code

The following fourth-character subdivisions are for use with categories W00-Y34 except Y06.- and Y07.- to identify the place of occurrence of the external cause where relevant:

.0 Home
  Home premises
  Noninstitutional place of residence
  Swimming-pool in private house or garden

.1 Residential institution

.2 School, other institution and public administrative area
  Building (including adjacent grounds) used by the general public or by a particular group of the public

.3 Sports and athletics area

.4 Street and highway
  Pavement

.5 Trade and service area

.6 Industrial and construction area
Building [any] under construction

.7 Farm
Excludes: farmhouse and home premises of farm (.0)

.8 Other specified places
Beach
Campsite
Canal
Forest
Mountain
Park (amusement)(public)
Car park
Pond or pool
Public place NOS
Railway line
River
Sea
Water reservoir
Zoo

.9 Unspecified place

Activity code

The following subclassification is provided for optional use in the fifth-character position with categories V01-Y34 to indicate the activity of the injured person at the time the event occurred.

0 While engaged in sports activity

1 While engaged in leisure activity
Hobby activities
Participation in sessions and activities of voluntary organisations

2 While working for income
Transportation (time) to and from such activities

3 While engaged in other types of work
Domestic duties
gardening
Learning activities, e.g. attending school

4 While resting, sleeping, eating or engaging in other vital activities

8 While engaged in other specified activities

9 During unspecified activity

V01-V99 Transport accidents
@

For details of the definitions and coding instructions for transport accidents, reference to the full ICD-10 will be necessary.

If this paediatric supplement is being used for coding certain transport accidents, care must be taken to ensure that the accident fits precisely the wording of the terms given below. If there is any doubt as to the appropriateness of a term, the full ICD-10 should be consulted for other options.

V01-V09 $ Pedestrian injured in transport accident
The following fourth-character subdivisions are for use with categories V01-V06:

.0 Nontraffic accident (occurring entirely off the public highway)
.1 Traffic accident
.9 Unspecified whether traffic or nontraffic accident

V02 Pedestrian injured in collision with two- or three-wheeled motor vehicle

V03 Pedestrian injured in collision with car, pick-up truck or van

V04 Pedestrian injured in collision with heavy transport vehicle or bus

V10-V19 $ Pedal cyclist injured in transport accident
The following fourth-character subdivisions are for use with categories V10-V18:

.0 Driver injured in nontraffic accident
.1 Passenger injured in nontraffic accident
.2 Unspecified pedal cyclist injured in nontraffic accident
.3 Person injured while boarding or alighting
.4 Driver injured in traffic accident
.5 Passenger injured in traffic accident
.9 Unspecified pedal cyclist injured in traffic accident

V12 Pedal cyclist injured in collision with two- or three-wheeled motor vehicle

V13 Pedal cyclist injured in collision with car, pick-up truck or van

V14 Pedal cyclist injured in collision with heavy transport vehicle or bus

V17 Pedal cyclist injured in collision with fixed or stationary object

V18 Pedal cyclist injured in noncollision transport accident
Includes: fall or thrown from pedal cycle (without antecedent collision)

V40-V49 $ Car occupant injured in transport accident
Includes: minibus

The following fourth-character subdivisions are for use with categories V40-V48:
.0 Driver injured in nontraffic accident
.1 Passenger injured in nontraffic accident
.2 Person on outside of vehicle injured in nontraffic accident
.3 Unspecified car occupant injured in nontraffic accident
.4 Person injured while boarding or alighting
.5 Driver injured in traffic accident
.6 Passenger injured in traffic accident
.7 Person on outside of vehicle injured in traffic accident
.9 Unspecified car occupant injured in traffic accident

V42 Car occupant injured in collision with two- or three-wheeled vehicle

V43 Car occupant injured in collision with car, pick-up truck or van

V44 Car occupant injured in collision with heavy transport vehicle or bus

V47 Car occupant injured in collision with fixed or stationary object

V48 Car occupant injured in noncollision transport accident
Includes: overturning: . NOS
. without collision

W00-X59 Other external causes of accidental injury

W00-W19 $ Falls
@ [See pages ???-??? for fourth-character subdivisions]

W02 Fall involving ice skates, skis, roller-skates or skateboards

W09 Fall involving playground equipment
@

W10 Fall on and from stairs and steps
@

W13 Fall from, out of or through building or structure
@ Excludes: fall or jump from burning building (X00.-)

W14 Fall from tree

W20-W49 $ Exposure to inanimate mechanical forces
@

W20 Struck by thrown, projected or falling object
@ Includes: collapse of [non-burning] building

W21 Striking against or struck by sports equipment
@

W25 Contact with sharp glass
Excludes: fall involving glass (W00-W19)
flying glass due to explosion or firearm discharge (W32-W40)

W39 Discharge of firework

W45 Foreign body or object entering through skin
@ Includes: nail
splinter
Excludes: contact with sharp glass (W25.-)

W50-W64 $ Exposure to animate mechanical forces
[See pages ???-??? for fourth-character subdivisions]

W54 Bitten or struck by dog

W65-W74 $ Accidental drowning and submersion
@

W65 Drowning and submersion while in bath-tub

W66 Drowning and submersion following fall into bath-tub

W67 Drowning and submersion while in swimming-pool

W68 Drowning and submersion following fall into swimming-pool

W69 Drowning and submersion while in natural water
@ Includes: fresh and salt water

W70 Drowning and submersion following fall into natural water

W73 Other specified drowning and submersion
@ Includes: reservoir

W74 Unspecified drowning and submersion
@ Includes: drowning NOS

W75-W84 $ Other accidental threats to breathing
[See pages ???-??? for fourth-character subdivisions]

W79 Inhalation and ingestion of food causing obstruction of
@ respiratory tract

W80 Inhalation and ingestion of other objects causing
@ obstruction of respiratory tract

W85-W99 $ Exposure to electric current, radiation and extreme ambient
@ air temperature and pressure
[See pages ???-??? for fourth-character subdivisions]

W85 Exposure to electric transmission lines

W86 Exposure to other specified electric current

X00-X09 Exposure to smoke, fire and flames
@ [See pages ???-??? for fourth-character subdivisions]
Includes: fire caused by lightning
Excludes: arson (X97.-)
secondary fire resulting from explosion (W35-W40)
transport accidents (V01-V99)

X00 Exposure to uncontrolled fire in building or structure
@

X01 Exposure to uncontrolled fire, not in building or structure
Includes: forest fire

X02 Exposure to controlled fire in building or structure
@ Includes: fire in fireplace

X03 Exposure to controlled fire, not in building or structure
Includes: camp-fire

X04 Exposure to ignition of highly flammable material
@ Includes: barbecue lighter fuel

X05 Exposure to ignition or melting of nightwear

X06 Exposure to ignition or melting of other clothing and apparel
@

X08 Exposure to other specified smoke, fire and flames

X09 Exposure to unspecified smoke, fire and flames
@

X10-X19 $ Contact with heat and hot substances
[See pages ???-??? for fourth-character subdivisions]
Excludes: exposure to: . excessive natural heat (X30.-)
. fire and flames (X00-X09)

X10 Contact with hot drinks, food, fats and cooking oils

X11 Contact with hot tap-water
@

X12 Contact with other hot fluids
@ Includes: water heated on stove

X13 Contact with steam and hot vapours

X14 Contact with hot air and gases
Includes: inhalation of hot air and gases

X15 Contact with hot household appliances
@ Excludes: heating appliances (X16.-)

X16 Contact with hot heating appliances, radiators and pipes

X20-X29 $ Contact with venomous animals and plants
@ [See pages ???-??? for fourth-character subdivisions]
Excludes: ingestion of poisonous animals or plants (X49.-)

X23 Contact with hornets, wasps and bees
@

X30-X39 $ Exposure to forces of nature
[See pages ???-??? for fourth-character subdivisions]

X32 Exposure to sunlight

X40-X49 $ Accidental poisoning by and exposure to noxious substances
[See pages ???-??? for fourth-character subdivisions]
Note: For list of specific drugs and other substances classified under the three-character categories, see Table of drugs and chemicals in Alphabetical Index to ICD-10.
Includes: accidental overdose of drug, wrong drug given or taken in error, and drug taken inadvertently
accidents in the use of drugs, medicaments and biological substances in medical and surgical procedures
poisoning, when not specified whether accidental or with intent to harm
Excludes: administration with suicidal or homicidal intent, or intent to harm, or in other circumstances classifiable to X60-X69, X85-X90, Y10-Y19
correct drug properly administered in therapeutic or prophylactic dosage as the cause of any adverse effect (Y40-Y59)

X40 Accidental poisoning by and exposure to nonopioid analgesics,
@ antipyretics and antirheumatics
Includes: paracetamol
salicylates
aspirin

X41 Accidental poisoning by and exposure to antiepileptic,
@ sedative-hypnotic, antiparkinsonism and psychotropic drugs, not elsewhere classified

X45 Accidental poisoning by and exposure to alcohol
@

X48 Accidental poisoning by and exposure to pesticides
@

X60-X84 $ Intentional self-harm
[See pages ???-??? for fourth-character subdivisions]

X60 Intentional self-poisoning by and exposure to nonopioid
@ analgesics, antipyretics and antirheumatics
Includes: paracetamol
salicylates
aspirin

X65 Intentional self-poisoning by and exposure to alcohol
@

X66 Intentional self-poisoning by and exposure to organic
@ solvents and halogenated hydrocarbons and their vapours
Excludes: accidental poisoning by and exposure to organic solvents and halogenated hydrocarbons and their vapours (X46)
mental and behavioural disorders due to use of volatile solvents with acute intoxication (F18.0)

X85-Y09 $ Assault
@ [See pages ???-??? for fourth-character subdivisions]

X97 Assault by smoke, fire and flames
@ Includes: cigarette burn

X98 Assault by steam, hot vapours and hot objects

Y00 Assault by blunt object

Y04 Assault by bodily force
@ Excludes: assault by: . strangulation (X91.-)
. submersion (X92.-)
physical abuse (Y07.-)

Y05 Sexual assault by bodily force
@ Excludes: sexual abuse (Y07.-)

Y06 Neglect and abandonment
Y06.0 By spouse or partner
Y06.1 By parent
Y06.2 By acquaintance or friend
Y06.8 By other specified persons
Y06.9 By unspecified person

Y07 Other maltreatment syndromes
@ Includes: mental cruelty
physical abuse
sexual abuse
torture
Y07.0 By spouse or partner
Y07.1 By parent
Y07.2 By acquaintance or friend
Y07.3 By official authorities
Y07.8 By other specified persons
Y07.9 By unspecified person

Y10-Y34 $ Event of undetermined intent
@ Note: This section covers events where available information is insufficient to enable a medical or legal authority to make a distinction between accident, self-harm and assault. It should be used where there is genuine uncertainty as to whether an injury has occurred accidentally or not.

Y10 Poisoning by and exposure to nonopioid analgesics, antipyretics and antirheumatics, undetermined intent
Includes: paracetamol
salicylates
aspirin

Y26 Exposure to fire and flames, undetermined intent
Includes: cigarette burns

Y27 Contact with steam, hot vapours and hot objects, undetermined intent

Y29 Contact with blunt object, undetermined intent

Y33 Other specified events, undetermined intent
Includes: Contact with bodily part, undetermined intent.
Note: This category should not be used for other events without reference to ICD-10 to ensure that no more appropriate code exists.

Y40-Y84 Complications of medical and surgical care
Note: For list of specific drugs classified under the fourth-character subdivisions, see Table of drugs and chemicals in Alphabetical Index to ICD-10.
Includes: complications of medical devices, correct drug properly administered in therapeutic or prophylactic dosage as the cause of any adverse effect
misadventures to patients during surgical and medical care
surgical and medical procedures as the cause of abnormal reaction of the patient, or of later complication, without mention of misadventure at the time of the procedure
Excludes: accidental overdose of drug or wrong drug given or taken in error (X40-X44)

Y40-Y59 $ Drugs, medicaments and biological substances causing adverse effects in therapeutic use
Excludes: accidents in the technique of administration of drugs, medicaments and biological substances in medical and surgical procedures (Y60-Y69)

Y40 $$ Systemic antibiotics
@
Y40.0 Penicillins
Y40.1 Cephalosporins and other beta-lactam antibiotics

Y42 $$ Hormones and their synthetic substitutes and antagonists, not
@ elsewhere classified
Y42.0 Glucocorticoids and synthetic analogues
Systemic corticosteroids
Excludes: glucocorticoids, topically used (Y56.-)
Y42.3 Insulin and oral hypoglycaemic [antidiabetic] drugs

Y43 $$ Primarily systemic agents
@
Y43.1 @ Antineoplastic antimetabolites
Y43.2 Antineoplastic natural products
Y43.3 @ Other antineoplastic drugs
Y43.4 Immunosuppressive agents

Y44 $$ Agents primarily affecting blood constituents
Y44.6 Natural blood and blood products
Excludes: immunoglobulin (Y59.3)

Y55 $$ Agents primarily acting on smooth and skeletal muscles and
the respiratory system
Y55.6 Antiasthmatics, not elsewhere classified
@ Aminophylline
Salbutamol
Theophylline

Y56 $$ Topical agents primarily affecting skin and mucous membrane
@ and ophthalmological, otorhinolaryngological and dental drugs
Y56.0 Local antifungal, anti-infective and anti-inflammatory drugs, not elsewhere classified
Glucocorticoids, topically used
Topical corticosteroids
Excludes: ophthalmological drugs and preparations (Y56.5)
otorhinolaryngological drugs and preparations (Y56.6)

Y57 $$ Other and unspecified drugs and medicaments
Y57.80 Total parenteral nutrition
TPN

Y58 $$ Bacterial vaccines
Y58.0 BCG vaccine
Y58.4 Tetanus vaccine
Y58.5 Diphtheria vaccine

Y58.6 Pertussis vaccine, including combinations with a pertussis component
Y58.8 Mixed bacterial vaccines, except combinations with a pertussis component

Y59 $$ Other and unspecified vaccines and biological substances
Y59.0 Viral vaccines
Y59.3 Immunoglobulin

Y60-Y69 $ Misadventures to patients during surgical and medical care
See ICD-10 for further details

Y85-Y89 $ Sequelae of external causes of morbidity and mortality
@

Y85 Sequelae of transport accidents
Note: Categories Y85-Y89 are to be used to indicate circumstances as the cause of death, impairment or disability from sequelae or "late effects", which are themselves classified elsewhere. The sequelae include conditions reported as such, or occurring as "late effects" one year or more after the originating event.
Y85.0 Sequelae of motor-vehicle accident
Y85.9 Sequelae of other and unspecified transport accidents

Y86 # Sequelae of other accidents

Y87 Sequelae of intentional self-harm, assault and events of undetermined intent
Y87.0 Sequelae of intentional self-harm
Y87.1 Sequelae of assault
Y87.2 Sequelae of events of undetermined intent

Y88 Sequelae with surgical and medical care as external cause
Y88.0 Sequelae of adverse effects caused by drugs, medicaments and biological substances in therapeutic use
Y88.1 Sequelae of misadventures to patients during surgical and medical procedures
Y88.2 Sequelae of adverse incidents associated with medical devices in diagnostic and therapeutic use
Y88.3 Sequelae of surgical and medical procedures as the cause of abnormal reaction of the patient, or of later complication, without mention of misadventure at the time of the procedure

Y90-Y98 $ Supplementary factors related to causes of morbidity and mortality classified elsewhere
Note: These categories may be used, if desired, to provide supplementary information concerning causes of morbidity and mortality. They are not to be used for single-condition coding in morbidity or mortality.

Y95 # Nosocomial condition

Y96 # Work-related condition

Y97 # Environmental-pollution-related condition

Y98 # Lifestyle-related condition

Chapter XXI, (Z00-Z99)

Factors influencing health status and contact with health services

Note: This chapter should not be used for international comparison or for primary mortality coding.

Categories Z00-Z99 are provided for occasions when circumstances other than a disease, injury or external cause classifiable to categories A00-Y89 are recorded as "diagnoses" or "problems". This can arise in two main ways:

(a) When a person who may or may not be sick encounters the health services for some specific purpose, such as to receive limited care or service for a current condition, to donate an organ or tissue, to receive prophylactic vaccination or to discuss a problem which is in itself not a disease or injury.
(b) When some circumstance or problem is present which influences the person's health status but is not in itself a current illness or injury. Such factors may be elicited during population surveys, when the person may or may not be currently sick, or be recorded as an additional factor to be borne in mind when the person is receiving care for some illness or injury.

This chapter contains the following blocks:

Z00-Z13 Persons encountering health services for examination and investigation
Z20-Z29 Persons with potential health hazards related to communicable diseases
Z30-Z39 Persons encountering health services in circumstances related to reproduction
Z40-Z54 Persons encountering health services for specific procedures and health care
Z55-Z65 Persons with potential health hazards related to socioeconomic and psychosocial circumstances
Z70-Z76 Persons encountering health services in other circumstances
Z80-Z99 Persons with potential health hazards related to family and personal history and certain conditions influencing health status

Z00-Z13 @ Persons encountering health services for examination and investigation

Note: Nonspecific abnormal findings disclosed at the time of these examinations are classified to categories R70-R94

Z00 $$ General examination and investigation of persons without complaint or reported diagnosis
Excludes: examination for administrative purposes (Z02.-)
special screening examinations (Z11-Z13)

Z00.1 Routine child health examination
Development testing of infant or child
Excludes: health supervision of foundling or other healthy infant or child (Z76.1-Z76.2)

Z00.10 Routine child health examination of the newborn
Routine neonatal examination

Z00.11 Routine child health examination at 10-14 days

Z00.12 Routine child health examination at 6-8 weeks
Z00.13 Routine child health examination at 6-9 months
Z00.14 Routine child health examination at 15-18 months
Z00.15 Routine child health examination at around 2 years
Z00.16 Routine child health examination at around 3 years
Z00.18 Routine child health examination at other specified age
Z00.2 Examination for period of rapid growth in childhood
Z00.3 Examination for adolescent development state
Puberty development state
Z00.5 Examination of potential donor of organ and tissue
Z00.6 Examination for normal comparison and control in clinical research programme

Z01 $$ Other special examinations and investigations of persons without complaint or reported diagnosis
Includes: routine examination of specific system
Excludes: examination for:
. administrative purposes (Z02.-)
. suspected conditions, not proven (Z03.-)
special screening examinations (Z11-Z13)
Z01.0 @ Examination of eyes and vision
Z01.1 Examination of ears and hearing
Z01.2 Dental examination
Z01.3 Examination of blood pressure
Z01.5 Diagnostic skin and sensitization tests
Allergy tests
Skin tests for: . bacterial disease (including tuberculosis)
. hypersensitivity
See exclusion note at Z01

Z02 $$ Examination and encounter for administrative purposes
Z02.0 Examination for admission to educational institution
Examination for admission to preschool (education)
Examination for purposes of (educational) 'statement'
Z02.1 Pre-employment examination
Excludes: occupational health examination (Z10.0)
Z02.80 Examination for adoption
Excludes: health supervision of infant or child awaiting foster or adoptive placement (Z76.2)

Z03 $$ Medical observation and evaluation for suspected diseases and conditions
Includes: persons who present some symptoms or evidence of an abnormal condition which requires study, but who, after examination and observation, show no need for further treatment or medical care
Excludes: person with feared complaint in whom no diagnosis is made (Z71.1)
Z03.2 @ Observation for suspected mental and behavioural disorders
Z03.3 Observation for suspected nervous system disorder
Z03.50 Observation for suspected heart murmur (found to be innocent)
Z03.6 Observation for suspected toxic effect from ingested substance
Observation for suspected: .adverse effect from drug
.poisoning
Z03.80 Observation for poor weight gain (in infancy)
Z03.81 Observation for suspected vomiting

Z03.82 Observation for suspected poor feeding
Excludes: feeding:.disorder of infancy and childhood (F98.2)
.difficulties and mismanagement (R63.3)
.problems of newborn (P92.-)

Z04 $$ Examination and observation for other reasons
Includes: examination for medicolegal reasons
Z04.4 Examination and observation following alleged rape and
@ seduction
Z04.40 Examination of child following alleged sexual abuse
Z04.5 @ Examination and observation following other inflicted injury
Z04.50 Examination of child following alleged non-accidental injury
Z04.80 Statutory examination of child 'in need' for social services

Z08 $$ Follow-up examination after treatment for malignant neoplasm
Includes: medical surveillance following treatment
Excludes: follow-up medical care and convalescence
(Z42-Z51, Z54.-)

Z09 $$ Follow-up examination after treatment for conditions other
@ than malignant neoplasms
Includes: medical surveillance following treatment
Excludes: follow-up medical care and convalescence
(Z42-Z51, Z54.-)
surveillance of prosthetic and other
medical devices (Z44-Z46)

Z10 $$ Routine general health check-up of defined subpopulation
Excludes: medical examination for administrative
purposes (Z02.-)
Z10.1 Routine general health check-up of inhabitants of
@ institutions
Routine health check-up of residents of children's homes
Z10.80 Routine general health check-up of schoolchildren

Z11 $$ Special screening examination for infectious and parasitic
diseases
Z11.0 Special screening examination for intestinal infectious
diseases
Z11.1 Special screening examination for respiratory tuberculosis
Excludes: diagnostic skin tests (Z01.5)
Z11.4 Special screening examination for human immunodeficiency
virus [HIV]

Z12 $$ Special screening examination for neoplasms
Z12.80 Special screening examination for neuroblastoma
Z12.81 Special screening examination for retinoblastoma
Z12.82 Special screening examination for nephroblastoma [Wilms'
tumour]

Z13 $$ Special screening examination for other diseases and
disorders
Z13.0 Special screening for diseases of the blood and
blood-forming organs and certain disorders involving the
immune mechanism
Screening for (carrier status):
.sickle cell anaemia
.thalassaemia

Z13.2 Special screening examination for nutritional disorders
Z13.20 Screening for iron deficiency anaemia
Z13.30 Special screening examination for behavioural disorders
Excludes: observation for suspected behavioural disorders not found to be present (Z03.2)
Z13.4 Special screening examination for certain developmental disorders in childhood
Excludes: routine development testing of infant or child (Z00.1)
Z13.5 Special screening examination for eye and ear disorders
Excludes: routine examination of eyes and ears (Z01.0-Z01.1)
Z13.7 Special screening examination for congenital malformations, deformations and chromosomal abnormalities
Z13.70 Screening for Fragile X chromosome
Z13.71 Newborn check, unspecified
Baby check, NOS
Z13.80 Neonatal screening for cystic fibrosis
Z13.81 Other screening for cystic fibrosis
Screening for cystic fibrosis carrier status
Z13.82 Screening for phenylketonuria
Z13.83 Screening for hypothyroidism
Z13.84 Other specified special neonatal screening examination

Z20-Z29 $ Persons with potential health hazards related to communicable diseases

Z20 $$ Contact with and exposure to communicable diseases
Z20.0 Contact with and exposure to intestinal infectious diseases
Z20.1 Contact with and exposure to tuberculosis
Z20.6 Contact with and exposure to human immunodeficiency virus [HIV]
Excludes: asymptomatic human immunodeficiency virus [HIV] infection status (Z21)
Z20.7 Contact with and exposure to pediculosis, acariasis and other infestations

Z21 # Asymptomatic human immunodeficiency virus [HIV] infection status
HIV positive NOS
Excludes: contact with or exposure to human immunodeficiency virus [HIV] (Z20.6)
human immunodeficiency virus [HIV] disease (B20-B24)
laboratory evidence of human immunodeficiency virus [HIV] (R75)

Z22 $$ Carrier of infectious disease
Includes: suspected carrier

Z23 $$ Need for immunization against single bacterial diseases
Excludes: immunization:
. against combinations of diseases (Z27.-)
. not carried out (Z28.-)
Z23.2 Need for immunization against tuberculosis [BCG]
Z23.5 Need for immunization against tetanus alone
Z23.7 Need for immunization against pertussis alone

Z23.8 Need for immunization against other single bacterial diseases
Z23.80 Need for immunization against Haemophilus influenzae B [HIB]

Z24 $$ Need for immunization against certain single viral diseases
Excludes: immunization:
. against combinations of diseases (Z27.-)
. not carried out (Z28.-)
Z24.0 Need for immunization against poliomyelitis
Z24.5 Need for immunization against rubella alone

Z25 $$ Need for immunization against other single viral diseases
@
Z25.1 Need for immunization against influenza

Z27 $$ Need for immunization against combinations of infectious diseases
Excludes: immunization not carried out (Z28.-)
Z27.1 Need for immunization against diphtheria-tetanus-pertussis, combined [DTP]
Z27.3 Need for immunization against diphtheria-tetanus-pertussis with poliomyelitis [DTP + polio]
Z27.4 Need for immunization against measles-mumps-rubella [MMR]
Z27.80 Need for immunization against diphtheria-tetanus with poliomyelitis [DT + polio]

Z28 Immunization not carried out
Z28.0 Immunization not carried out because of contraindication
Z28.1 Immunization not carried out because of patient's decision for reasons of belief or group pressure
Immunization not carried out because of parent's decision for reasons of belief or group pressure
Z28.2 Immunization not carried out because of patient's decision for other and unspecified reasons
Immunization not carried out because of parent's decision for other and unspecified reasons
Z28.8 Immunization not carried out for other reasons
Z28.9 Immunization not carried out for unspecified reason

Z29 Need for other prophylactic measures
Excludes: desensitisation to allergens (Z51.6)
prophylactic surgery (Z40.-)
Z29.0 Isolation
Z29.00 Admission to protect an individual from his or her surroundings
Z29.01 Isolation of individual after contact with infectious disease
Z29.1 Prophylactic immunotherapy
Administration of immunoglobulin
Z29.10 Administration of zoster immune globulin [ZIG]
Z29.2 Other prophylactic chemotherapy
Chemoprophylaxis
Z29.20 Antibiotic prophylaxis against urinary tract infection
Z29.21 Antibiotic prophylaxis following contact with bacterial meningitis
Z29.22 Antibiotic prophylaxis against Pneumocystis infection
Z29.28 Other prophylactic antibiotic therapy
Z29.8 Other specified prophylactic measures
Z29.9 Prophylactic measure, unspecified

Z30-Z39 $ Persons encountering health services in circumstances related to reproduction

Z31 $$ Procreative management
@
Z31.5 Genetic counselling

Z38 Liveborn infants according to place of birth
Z38.0 Singleton, born in hospital
Z38.1 Singleton, born outside hospital
Z38.2 Singleton, unspecified as to place of birth
Liveborn infant NOS
Z38.3 Twin, born in hospital
Z38.4 Twin, born outside hospital
Z38.5 Twin, unspecified as to place of birth
Z38.6 Other multiple, born in hospital
Z38.7 Other multiple, born outside hospital
Z38.8 Other multiple, unspecified as to place of birth

Z40-Z54 Persons encountering health services for specific procedures and health care
Note: Categories Z40-Z54 are intended for use to indicate a reason for care. They may be used for patients who have already been treated for a disease or injury but who are receiving follow-up or prophylactic care, convalescent care, or care to consolidate the treatment, to deal with residual states, to ensure that the condition has not recurred, or to prevent recurrence.
Excludes: follow-up examination for medical surveillance after treatment (Z08-Z09)

Z40 $$ Prophylactic surgery
Z40.0 Prophylactic surgery for risk-factors related to malignant neoplasms
Admission for prophylactic organ removal

Z41 $$ Procedures for purposes other than remedying health state
Z41.1 Other plastic surgery for unacceptable cosmetic appearance
@ Excludes: plastic and reconstructive surgery following healed injury or operation (Z42.-)
Z41.2 Routine and ritual circumcision

Z42 $$ Follow-up care involving plastic surgery

Z43 $$ Attention to artificial openings
@
Z43.0 Attention to tracheostomy
Z43.1 Attention to gastrostomy
Z43.2 Attention to ileostomy
Z43.3 Attention to colostomy

Z44 $$ Fitting and adjustment of external prosthetic device
Excludes: presence of prosthetic device (Z97.-)

Z45 $$ Adjustment and management of implanted device
Excludes: malfunction or other complications of device - see Alphabetical Index
presence of prosthetic and other devices (Z95-Z97)
Z45.2 Adjustment and management of vascular access device
Z45.80 Adjustment and management of peritoneal dialysis catheter

Z46 $$ Fitting and adjustment of other devices
Excludes: issue of repeat prescription only (Z76.0)
malfunction or other complications of device - see Alphabetical Index
presence of prosthetic and other devices (Z95-Z97)
Z46.1 Fitting and adjustment of hearing aid
Z46.5 Fitting and adjustment of ileostomy and other intestinal appliances
Z46.6 Fitting and adjustment of urinary device
Z46.7 Fitting and adjustment of orthopaedic device
Orthopaedic: . brace
. cast
. corset
. Piedro boots
. other shoes
Z46.80 Fitting and adjustment of wheelchair

Z48 Other surgical follow-up care
@
Z48.0 Attention to surgical dressings and sutures
Change of dressings
Removal of sutures
Z48.8 Other specified surgical follow-up care
Z48.9 Surgical follow-up care, unspecified

Z49 Care involving dialysis
Includes: dialysis preparation and treatment
Excludes: renal dialysis status (Z99.2)
adjustment and management of peritoneal dialysis catheter (Z45.80)
Z49.0 Preparatory care for dialysis
Z49.1 Extracorporeal dialysis
Dialysis (renal) NOS
Z49.2 Other dialysis
Z49.20 Peritoneal dialysis

Z50 $$ Care involving use of rehabilitation procedures
@
Z50.19 Physiotherapy, unspecified
Z50.4 Psychotherapy, not elsewhere classified
Z50.5 Speech therapy
Z50.6 Orthoptic training
Z50.7 Occupational therapy and vocational rehabilitation, not elsewhere classified
Z50.80 Training in activities of daily living [ADL] NEC

Z51 $$ Other medical care
Excludes: follow-up examination after treatment (Z08-Z09)
Z51.0 Radiotherapy session

Z51.1 Chemotherapy session for neoplasm
Chemotherapy for neoplasms of lymphatic, haematopoietic and related tissue
Z51.2 Other chemotherapy
@ Excludes: prophylactic chemotherapy for immunization purposes (Z23-Z27, Z29.-)
Z51.20 Administration of Factor VIII
Z51.5 Palliative care
Z51.6 Desensitization to allergens

Z52 $$ Donors of organs and tissues
Excludes: examination of potential donor (Z00.5)

Z53 $$ Persons encountering health services for specific procedures, not carried out
Excludes: immunization not carried out (Z28.-)

Z55-Z65 $ Persons with potential health hazards related to socioeconomic and psychosocial circumstances

Z55 Problems related to education and literacy
Excludes: disorders of psychological development (F80-F89)
Z55.0 Illiteracy and low-level literacy
Z55.1 Schooling unavailable and unattainable
Z55.2 Failed examinations
Z55.3 Underachievement in school
Z55.4 Educational maladjustment and discord with teachers and classmates
Z55.8 Other problems related to education and literacy
Inadequate teaching
Z55.80 Inadequate toileting and washing facilities in school
Z55.81 Restricted access to toilet facilities in school
Z55.82 Unsafe playground facilities at school
Z55.83 School refusal
Excludes: truancy from school (F91.20)
Z55.9 Problem related to education and literacy, unspecified

Z56 $$ Problems related to employment and unemployment
@
Z56.70 Child whose father [or father substitute] is unemployed
Z56.71 Child whose mother [or mother substitute] is unemployed
Z56.72 Child with both parents [or other principle carers] unemployed

Z58 $$ Problems related to physical environment
@

Z59 Problems related to housing and economic circumstances
Z59.0 Homelessness
Z59.1 Inadequate housing
@ Unsatisfactory surroundings
Excludes: problems related to physical environment (Z58.-)
Z59.10 Inadequate heating
Inadequate ventilation
Z59.11 Overcrowding
Multiple occupancy [more than 1 person per room]
Z59.12 Housing in disrepair preventing adequate care

Z59.13 Inadequate play area in home
Z59.2 Discord with neighbours, lodgers and landlord
Z59.3 Problems related to living in residential institution
Boarding-school resident
Excludes: institutional upbringing (Z62.2)
Z59.4 Lack of adequate food
Excludes: effects of hunger (T73.0)
inappropriate diet or eating habits (Z72.4)
malnutrition (E40-E46)
Z59.5 Extreme poverty
Z59.6 Low income
Z59.7 Insufficient social insurance and welfare support
Failure to receive benefits for which family are eligible
Z59.8 @ Other problems related to housing and economic circumstances
Z59.80 Problems related to frequent change of address
Z59.81 Problems associated with being in a 'travelling' family
Z59.82 Absence of safe play areas close to home
Z59.9 Problem related to housing and economic circumstances, unspecified

Z60 $$ Problems related to social environment
Z60.1 Atypical parenting situation
Problems related to a parenting situation (rearing of children) other than that of two cohabiting biological parents.
Z60.10 Problems related to being in a one parent family
Z60.11 Multiple changes of principle carer
Multiple foster placements
Z60.18 Problems related to other parenting situation other than that of two cohabiting biological parents
Problems related to frequent changes in partners of the principle carer, (usually biological mother)
Z60.3 Acculturation difficulty
Migration
Social transplantation
Z60.4 Social exclusion and rejection
@ Exclusion and rejection on the basis of personal characteristics, such as unusual physical appearance, illness or behaviour.
Z60.5 Target of perceived adverse discrimination and persecution
@ Persecution or discrimination, perceived or real, on the basis of membership of some group (as defined by skin colour, religion, ethnic origin, etc.) rather than personal characteristics.

Z61 Problems related to negative life events in childhood
Excludes: maltreatment syndromes (T74.-)
Z61.0 Loss of love relationship in childhood
Loss of an emotionally close relationship, such as of a parent, a sibling, a very special friend or a loved pet, by death or permanent departure or rejection.
Z61.1 Removal from home in childhood
Admission to a foster home, hospital or other institution causing psychosocial stress, or forced conscription into an activity away from home for a prolonged period.

Z61.2 Altered pattern of family relationships in childhood
Arrival of a new person into a family resulting in adverse change in child's relationships. May include new marriage by a parent or birth of a sibling.

Z61.3 Events resulting in loss of self-esteem in childhood
Events resulting in a negative self-reappraisal by the child such as failure in tasks with high personal investment; disclosure or discovery of a shameful or stigmatising personal or family event; and other humiliating experiences.

Z61.4 Problems related to alleged sexual abuse of child by person within primary support group
Problems related to any form of physical contact or exposure between an adult member of the child's household and the child that has led to sexual arousal, whether or not the child has willingly engaged in the sexual acts (e.g. any genital contact or manipulation or deliberate exposure of breasts or genitals).

Z61.5 Problems related to alleged sexual abuse of child by person outside primary support group
Problems related to contact or attempted contact with the child's or the other person's breasts or genitals, sexual exposure in close confrontation or attempt to undress or seduce the child, by a substantially older person outside the child's family, either on the basis of this person's position or status or against the will of the child.

Z61.6 Problems related to alleged physical child abuse
Problems related to incidents in which the child has been injured in the past by any adult in the household to a medically significant extent (e.g. fractures, marked bruising) or that involved abnormal forms of violence (e.g. hitting the child with hard or sharp implements, burning or tying up of the child).

Z61.7 Personal frightening experience in childhood
Experience carrying a threat for the child's future, such as a kidnapping, natural disaster with a threat to life, injury with a threat to self-image or security, or witnessing a severe trauma to a loved one.

Z61.8 Other negative life events in childhood

Z61.9 Negative life event in childhood, unspecified

Z62 **Other problems related to upbringing**
Excludes: maltreatment syndrome (T74.-)

Z62.0 Inadequate parental supervision and control
Lack of parental knowledge of what the child is doing or where the child is; poor control; lack of concern or lack of attempted intervention when the child is in risky situations.

Z62.1 Parental overprotection
Pattern of upbringing resulting in infantilization and prevention of independent behaviour.

Z62.2 Institutional upbringing
Group foster care in which parenting responsibilities are largely taken over by some form of institution (such as residential nursery, orphanage, children's home), or therapeutic care over a prolonged period in which the child is in a hospital, convalescent home or the like, without at least one parent living with the child.

Z62.3 Hostility towards and scapegoating of child
Negative parental behaviour specifically focused on the child as an individual, persistent over time and pervasive over several child behaviours (e.g. automatically blaming the child for any problems in the household or attributing negative characteristics to the child).

Z62.4 Emotional neglect of child
Parent talking to the child in a dismissive or insensitive way. Lack of interest in the child, of sympathy for the child's difficulties and of praise and encouragement. Irritated reaction to anxious behaviour and absence of sufficient physical comforting and emotional warmth.

Z62.5 Other problems related to neglect in upbringing
Lack of learning and play experience

Z62.6 Inappropriate parental pressure and other abnormal qualities of upbringing
Parents forcing the child to be different from the local norm, either sex-inappropriate (e.g. dressing a boy in girl's clothes), age-inappropriate (e.g. forcing a child to take on responsibilities above her or his own age) or otherwise inappropriate (e.g. pressing the child to engage in unwanted or too difficult activities).

Z62.8 Other specified problems related to upbringing

Z62.80 Inconsistent setting of limits or discipline by carer(s)

Z62.9 Problem related to upbringing, unspecified

Z63 Other problems related to primary support group, including family circumstances
Excludes: maltreatment syndrome (T74.-)
problems related to:
. negative life events in childhood (Z61.-)
. upbringing (Z62.-)

Z63.0 @ Problems in relationship with spouse or partner

Z63.1 Problems in relationship with parents and in-laws
Problems in relationship with other principle carer within the home

Z63.2 Inadequate family support
Inadequate support for principle carer

Z63.3 Absence of family member

Z63.30 Imprisoned family member

Z63.4 Disappearance and death of family member
Assumed death of family member

Z63.5 Disruption of family by separation and divorce
Estrangement

Z63.6 Dependent relative needing care at home

Z63.7 Other stressful life events affecting family and household
Anxiety (normal) about sick person in family
Health problems within family
Ill or disturbed family member
Isolated family
Z63.8 Other specified problems related to primary support group
High expressed emotional level within family
Inadequate or distorted communication within family
Z63.80 Known violence within the family, not involving the child
Z63.81 Known criminal conviction of parent or other carer
Z63.89 Family discord NOS
Z63.9 Problem related to primary support group, unspecified

Z64 $$ Problems related to certain psychosocial circumstances
Z64.0 @ Problems related to unwanted pregnancy
Z64.4 Discord with counsellors
Discord with: . probation officer
. social worker

Z65 $$ Problems related to other psychosocial circumstances
@
Z65.0 Conviction in civil and criminal proceedings without imprisonment
Z65.30 Problems related to child custody or support proceedings

Z70-Z76 Persons encountering health services in other circumstances

Z70 $$ Counselling related to sexual attitude, behaviour and orientation
Excludes: contraceptive counselling (Z30-Z31)
Z70.20 Advice sought [by parent or other person] regarding sexual behaviour and orientation of child
Z70.80 Sex education

Z71 $$ Persons encountering health services for other counselling
@ and medical advice, not elsewhere classified
Z71.1 Person with feared complaint in whom no diagnosis is made
@ Feared condition not demonstrated
Problem was normal state
Excludes: medical observation and evaluation for suspected diseases and conditions (Z03.-)
Z71.2 Person consulting for explanation of investigation findings
Z71.3 @ Dietary counselling and surveillance
Z71.9 Counselling, unspecified
Medical advice NOS

Z72 $$ Problems related to lifestyle
@ Excludes: problems related to socioeconomic and psychosocial circumstances (Z55-Z65)
Z72.4 Inappropriate diet and eating habits
Excludes: behavioural eating disorders of infancy or childhood (F98.2-F98.3)
eating disorders (F50.-)
lack of adequate food (Z59.4)
malnutrition and other nutritional deficiencies (E40-E64)

Z73 $$ Problems related to life-management difficulty
Excludes: problems related to socioeconomic and psychosocial circumstances (Z55-Z65)
Z73.3 @ Stress, not elsewhere classified
Z73.4 Inadequate social skills, not elsewhere classified
Z73.6 Limitation of activities due to disability
Excludes: care-provider dependency (Z74.-)

Z74 $$ Problems related to care-provider dependency
Includes: only children with dependence on a care-provider which is markedly inappropriate for age
Excludes: dependence on enabling machines or devices NEC (Z99.-)
Z74.0 Reduced mobility
@ Bedbound
Chairbound
Z74.1 Need for assistance with personal care
Z74.2 Need assistance at home and no other household member able to render care
Disabled carer
Z74.3 Need for continuous supervision

Z75 $$ Problems related to medical facilities and other health care
Z75.0 @ Medical services not available in home
Z75.1 Person awaiting admission to adequate facility elsewhere
Bed unavailable
Z75.5 Holiday relief care
@ Respite care

Z76 $$ Persons encountering health services in other circumstances
Z76.1 Health supervision and care of foundling
Health supervision and care of a deserted infant
Z76.2 Health supervision and care of other healthy infant and child
Medical or nursing care or supervision of healthy infant under circumstances such as:
. adverse socioeconomic conditions at home
. awaiting foster or adoptive placement
. maternal illness
. number of children at home preventing or interfering with normal care
Z76.5 Malingerer [conscious simulation]
Person feigning illness (with obvious motivation)
Excludes: factitious disorder (F68.1)
peregrinating patient (F68.1)
Munchausen's syndrome by proxy (F68.10)

Z80-Z99 $ Persons with potential health hazards related to family and personal history and certain conditions influencing health status
Excludes: when family or personal history is the reason for special screening or other examination or investigation (Z00-Z13)

Z80 $$ Family history of malignant neoplasm
Z80.80 Family history of retinoblastoma

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Z81       Family history of mental and behavioural disorders
Z81.0   @  Family history of mental retardation
Z81.1   @  Family history of alcohol abuse
Z81.2      Family history of tobacco abuse
@           Current history of either parent or carer smoking
Z81.3      Family history of other psychoactive substance abuse
@           Family history of drug abuse NOS
Z81.4      Family history of other substance abuse
            Conditions classifiable to F55
Z81.8   @ Family history of other mental and behavioural disorders
Z81.80     History of maternal depression
            History of maternal puerperal depression

Z82    $$ Family history of certain disabilities and chronic diseases
            leading to disablement
Z82.0      Family history of epilepsy and other diseases of the nervous
@           system
Z82.00     Family history of febrile convulsions
Z82.01     Family history of other (non-febrile) convulsions
Z82.1   @ Family history of blindness and visual loss
Z82.2   @ Family history of deafness and hearing loss
Z82.4      Family history of ischaemic heart disease and other diseases
@           of the circulatory system
Z82.5      Family history of asthma and other chronic lower respiratory
@           diseases
Z82.7      Family history of congenital malformations, deformations and
@           chromosomal abnormalities

Z83    $$ Family history of other specific disorders
@           Excludes: contact with or exposure to communicable
                        disease in the family (Z20.-)
Z83.0   @ Family history of human immunodeficiency virus [HIV] disease
Z83.2      Family history of diseases of the blood and blood-forming
@           organs and certain disorders involving the immune mechanism
Z83.3   @ Family history of diabetes mellitus

Z84    $$ Family history of other conditions
Z84.0      Family history of diseases of the skin and subcutaneous
@           tissue
             Family history of eczema
Z84.1      Family history of disorders of kidney and ureter
@           Conditions classifiable to N00-N29
Z84.2      Family history of other diseases of the genitourinary system
@           Conditions classifiable to N30-N99
Z84.3   @ Family history of consanguinity

Z87    $$ Personal history of other diseases and conditions
@
Z87.6      Personal history of certain conditions arising in the
            perinatal period
             Conditions classifiable to P00-P96
Z87.7      Personal history of congenital malformations, deformations
            and chromosomal abnormality
             Conditions classifiable to Q00-Q99

Z88        Personal history of allergy to drugs, medicaments and
            biological substances
Z88.0      Personal history of allergy to penicillin
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Z88.1 Personal history of allergy to other antibiotic agents
Z88.2 Personal history of allergy to sulphonamides
Z88.3 Personal history of allergy to other anti-infective agents
Z88.4 Personal history of allergy to anaesthetic agent
Z88.5 Personal history of allergy to narcotic agent
Z88.6 Personal history of allergy to analgesic agent
Z88.7 Personal history of allergy to serum and vaccine
Z88.8 Personal history of allergy to other drugs, medicaments and biological substances
Z88.9 Personal history of allergy to unspecified drugs, medicaments and biological substance

Z89 $$ Acquired absence of limb
@

Z90 $$ Acquired absence of organs, not elsewhere classified
@
Z90.00 Acquired absence of eye
Acquired anophthalmia

Z91 Personal history of risk-factors, not elsewhere classified
@ Excludes: exposure to pollution and other problems related to physical environment (Z58.-)
personal history of psychoactive substance abuse (Z86.4)
Z91.0 Personal history of allergy, other than to drugs and
@ biological substances
Z91.1 Personal history of noncompliance with medical treatment and regimen
Z91.10 Noncompliance by parent or other carer with child's medical therapy
Z91.2 Personal history of poor personal hygiene
Failure of parent or other carer to ensure adequate personal hygiene for the child
Z91.3 Personal history of unhealthy sleep-wake schedule
Poor sleeper, unspecified in an infant
Excludes: sleep disorders (G47.-)
Z91.4 Personal history of psychological trauma, not elsewhere classified
Z91.5 Personal history of self-harm
Parasuicide
Self-poisoning
Suicide attempt
Z91.6 Personal history of other physical trauma
Z91.60 Personal history of multiple episodes of physical trauma
Multiple attendances at accident and emergency departments for physical trauma
Z91.8 Personal history of other specified risk-factors, not elsewhere classified
Abuse NOS
Maltreatment NOS

Z92 $$ Personal history of medical treatment

Z93 $$ Artificial opening status
Excludes: artificial openings requiring attention or management (Z43.-)
complications of external stoma (J95.0, K91.4, N99.5)

Z94 $$ Transplanted organ and tissue status
@

Z95 $$ Presence of cardiac and vascular implants and grafts
@

Z96 $$ Presence of other functional implants
@

Z97 $$ Presence of other devices
@
Z97.3 Presence of spectacles and contact lenses
Z97.4 Presence of external hearing-aid

Z98 $$ Other postsurgical states
Excludes: follow-up medical care and convalescence (Z42-Z51, Z54.-)
postprocedural or postoperative complication - see Alphabetical Index to ICD-10
Z98.2 Presence of cerebrospinal fluid drainage device
CSF shunt

Z99 Dependence on enabling machines and devices, not elsewhere classified
Z99.0 Dependence on aspirator
Z99.1 Dependence on respirator
Z99.2 Dependence on renal dialysis
Presence of arteriovenous shunt for dialysis
Renal dialysis status
Excludes: dialysis preparation, treatment or session (Z49.-)
Z99.3 Dependence on wheelchair
Z99.8 Dependence on other enabling machines and devices
Z99.9 Dependence on unspecified enabling machine and device