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| **Supplementary Table 2:** Responder and non-responder characteristics |
|  |  **Responders at 2 years**(N=4322) | **Non-responders at 2 years** (N=2059) |  |
|  | **n** | **%** | **n** | **%** | ***p*\*** |
| **Gestational age, weeks** |  |  |  |  | 0.241 |
| <26 | 324 | 7.5 | 175 | 8.5 |  |
| 26-27 | 759 | 17.6 | 297 | 14.4 |  |
| 28-29 | 1152 | 26.7 | 554 | 26.9 |  |
| 30-31 | 2087 | 48.3 | 1033 | 50.2 |  |
| *Total*  | 4322 | 100.0 | 2059 | 100.0 |  |
| **Multiple birth** |  |  |  |  | 0.001 |
| Singleton | 2890 | 66.9 | 1456 | 70.8 |  |
| Twins or triplets | 1432 | 33.1 | 602 | 29.3 |  |
| *Total* | 4322 | 100.0 | 2058 | 100.0 |  |
| **Sex of child** |  |  |  |  | 0.799 |
| Male  | 2296 | 53.1 | 1115 | 54.2 |  |
| Female | 2026 | 46.9 | 943 | 45.8 |  |
| Undetermined | 0 | 0.0 | 1 | 0.1 |  |
| *Total*  | 4322 | 100.0 | 2059 | 100.0 |  |
| **Small for gestational age** |  |  |  | 0.905 |
| No (>10th percentile) | 2909 | 67.3 | 1401 | 68.1 |  |
| Yes (<10th percentile) | 1413 | 32.7 | 657 | 31.9 |  |
| *Total*  | 4322 | 100.0 | 2058 | 100.0 |  |
| **Congenital anomaly** |  |  |  |  | 0.234 |
| None  | 3957 | 91.6 | 1898 | 92.2 |  |
| Non-severe | 315 | 7.3 | 138 | 6.7 |  |
| Severe | 49 | 1.1 | 23 | 1.1 |  |
| *Total* | 4321 | 100.0 | 2059 | 100.0 |  |
| **Bronchopulmonary dysplasia at 36 weeks postmenstrual age** |   |  |  | 0.153 |
| No | 3692 | 87.4 | 1740 | 86.3 |  |
| Yes | 533 | 12.6 | 276 | 13.7 |  |
| *Total*  | 4225 | 100.0 | 2016 | 100.0 |  |
| **Retinopathy of prematurity stages III-V** |  |  |  | 0.178 |
| No | 4111 | 96.2 | 1952 | 96.6 |  |
| Yes | 161 | 3.8 | 68 | 3.4 |  |
| *Total*  | 4272 | 100.0 | 2020 | 100.0 |  |
| **Intraventricular haemorrhage grades III-IV** **or cystic periventricular leukomalacia** |  |  |  | 0.118 |
| No | 4018 | 93.9 | 1882 | 92.8 |  |
| Yes | 260 | 6.1 | 146 | 7.2 |  |
| *Total* | 4278 | 100.0 | 2028 | 100.0 |  |
| **Necrotising enterocolitis with surgery** |  |  |  |  | 0.680 |
| No | 4255 | 98.5 | 2020 | 98.1 |  |
| Yes | 67 | 1.6 | 39 | 1.9 |  |
| *Total* | 4322 | 100.0 | 2059 | 100.0 |  |
| **Overall perinatal risk** |  |  |  |  | 0.513 |
| Low | 1132 | 26.9 | 575 | 28.7 |  |
| Moderate | 1636 | 38.8 | 764 | 38.2 |  |
| High | 1447 | 34.3 | 662 | 33.1 |  |
| *Total*  | 4215 | 100.0 | 2001 | 100.0 |  |
| *\*P-values from logistic regression adjusting for region*  |

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| **Supplementary Table 2, continued:** Responder and non-responder characteristics |
|  |  **Responders at 2 years**(N=4322) | **Non-responders at 2 years** (N=2059) |  |
|  | **n** | **%** | **n** | **%** | ***p*** |
| **Mother’s age at birth** |  |  |  |  | <0.001\* |
| <24 | 537 | 12.4 | 488 | 23.7 |  |
| 25-34 | 2515 | 58.2 | 1098 | 53.3 |  |
| ≥35 | 1270 | 29.4 | 473 | 23.0 |  |
| *Total*  | 4322 | 100.0 | 2059 | 100.0 |  |
| **Mother’s country of birth** |  |  |  |  | <0.001\* |
| Foreign-born | 956 | 22.2 | 500 | 38.4 |  |
| Native | 3352 | 77.8 | 802 | 61.6 |  |
| *Total* | 4308 | 100.0 | 1302 | 100.0 |  |
| **Mother’s educational level**a |  |  |  |  | -- |
| High school or lessb | 1936 | 46.5 |  |  |  |
| More than high schoolc | 2232 | 53.6 |  |  |  |
| *Total*  | 4168 | 100.0 |  |  |  |
| **Country** |  |  |  |  | <0.001 |
| Belgium | 308 | 7.1 | 345 | 16.8 |   |
| Denmark | 180 | 4.2 | 106 | 5.2 |   |
| Estonia | 138 | 3.2 | 1 | 0.1 |   |
| France | 986 | 22.8 | 117 | 5.7 |   |
| Germany | 435 | 10.1 | 222 | 10.8 |   |
| Italy | 731 | 16.9 | 237 | 11.5 |   |
| The Netherlands | 229 | 5.3 | 101 | 4.9 |   |
| Poland | 199 | 4.6 | 50 | 2.4 |   |
| Portugal | 408 | 9.4 | 197 | 9.6 |   |
| Sweden | 165 | 3.8 | 75 | 3.6 |   |
| UK | 543 | 12.6 | 608 | 29.5 |   |
| *Total* | 4322 | 100.0 | 2059 | 100.0 |   |
| *\*P-values from logistic regression adjusting for region**aNot available for non-responders at 2 years**bISCED levels 0-3 (early childhood education to upper secondary)**cISCED levels 4-8 (post-secondary to doctoral)* |