**Appendix Table 1** Comparing neonatal characteristics, socioeconomic status, use of asthma medication, motor function (Motor Assessment Battery for Children (MABC)), intellectual function (*Wechsler Preschool and Primary Scale of Intelligence-revised)* and behavioral problems (*the Strength and Difficulties Questionnaire*) at 5 years to information on physical activity at 11 years of age among 208 healthy children born extremely preterm or with extremely low birthweight in the national cohort of Norway in 1999-2000

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  |  | PA≤ 1/week | | | |  | Organized sports:  not participating | | | | | |  | Lower endurance | | | | |  | Less vigorous | | | | | Poor proficiency | |  |  | Clumsy: manual dexterity | | |  | Clumsy: gross motor | | |
| *Variables, n* |  | yes | no | p | |  | yes | no | | p | | |  | yes | no | p | | |  | yes | no | | p | | yes | no | p |  | yes | no | p |  | yes | no | p |
| Male gender | yes | 27 | 73 | 0.756 | |  | 31 | 71 | | 0.555 | | |  | 40 | 60 | 0.249 | | |  | 25 | 76 | | 0.317 | | 23 | 76 | 1.00 |  | 29 | 71 | 0.067 |  | 38 | 64 | 0.103 |
| no | 31 | 73 |  | |  | 37 | 69 | |  | | |  | 34 | 72 |  | | |  | 20 | 86 | |  | | 232 | 80 |  |  | 18 | 86 |  |  | 28 | 78 |  |
| Small for gestational age | yes | 11 | 30 | 0.849 | |  | 15 | 26 | | 0.580 | | |  | 17 | 23 | 0.362 | | |  | 12 | 28 | | 0.199 | | 10 | 30 | 0.833 |  | 17 | 24 | 0.003 |  | 15 | 26 | 0.575 |
| no | 47 | 116 |  | |  | 53 | 114 | |  | | |  | 57 | 109 |  | | |  | 33 | 134 | |  | | 36 | 126 |  |  | 30 | 133 |  |  | 51 | 116 |  |
| Bronchopulmonary dysplasia | yes | 27 | 71 | 0.877 | |  | 31 | 69 | | 0.659 | | |  | 41 | 58 | 0.146 | | |  | 26 | 74 | | 0.178 | | 17 | 69 | 0.029 |  | 25 | 73 | 0.506 |  | 36 | 64 | 0.234 |
| no | 31 | 75 |  | |  | 37 | 71 | |  | | |  | 33 | 74 |  | | |  | 19 | 88 | |  | | 29 | 87 |  |  | 22 | 84 |  |  | 30 | 78 |  |
| PDA surgical closure | yes | 8 | 50 | 0.678 | |  | 10 | 58 | | 0.841 | | |  | 15 | 59 | 0.238 | | |  | 9 | 36 | | 0.489 | | 7 | 39 | 1.00 |  | 9 | 57 | 0.684 |  | 8 | 39 | 0.820 |
|  | no | 24 | 122 |  | |  | 23 | 117 | |  | | |  | 18 | 114 |  | | |  | 24 | 138 | |  | | 24 | 132 |  |  | 24 | 118 |  |  | 24 | 133 |  |
| Asthma medication at 5 y | yes | 9 | 27 | 1.00 | |  | 12 | 25 | | 1.00 | | |  | 18 | 19 | 0.030 | | |  | 11 | 26 | | 0.176 | | 11 | 25 | 0.099 |  | 11 | 25 | 0.165 |  | 16 | 21 | 0.110 |
| no | 35 | 101 |  | |  | 46 | 92 | |  | | |  | 39 | 97 |  | | |  | 26 | 111 | |  | | 23 | 111 |  |  | 25 | 111 |  |  | 39 | 99 |  |
| Low maternal education | yes | 22 | 35 | 0.032 | |  | 23 | 35 | | 0.088 | | |  | 24 | 34 | 0.183 | | |  | 15 | 43 | | 0.330 | | 11 | 46 | 0.704 |  | 11 | 46 | 0.305 |  | 21 | 37 | 0.400 |
| no | 29 | 100 |  | |  | 35 | 96 | |  | | |  | 40 | 90 |  | | |  | 24 | 106 | |  | | 28 | 100 |  |  | 31 | 98 |  |  | 39 | 92 |  |
| MABC5 | yes | 7 | 13 | 0.410 | |  | 10 | 11 | | 0.216 | | |  | 11 | 10 | 0.045 | | |  | 11 | 10 | | 0.001 | | 8 | 11 | 0.020 |  | 8 | 12 | 0.043 |  | 12 | 9 | 0.012 |
| no | 35 | 112 |  | |  | 47 | 102 | |  | | |  | 43 | 104 |  | | |  | 25 | 123 | |  | | 26 | 120 |  |  | 28 | 119 |  |  | 42 | 107 |  |
| TDS90 | yes | 12 | 34 | 0.682 | |  | 22 | 24 | | 0.025 | | |  | 22 | 23 | 0.014 | | |  | 17 | 28 | | 0.005 | | 17 | 28 | 0.001 |  | 15 | 31 | 0.058 |  | 28 | 20 | 0.036 |
| no | 24 | 81 |  | |  | 30 | 77 | |  | | |  | 29 | 78 |  | | |  | 17 | 90 | |  | | 14 | 90 |  |  | 19 | 86 |  |  | 20 | 79 |  |
| FIQ70-84 | yes | 9 | 20 | 0.478 | |  | 10 | 19 | | 0.826 | | |  | 17 | 11 | 0.001 | | |  | 12 | 16 | | 0.005 | | 9 | 20 | 0.124 |  | 11 | 18 | 0.014 |  | 13 | 16 | 0.122 |
| no | 30 | 96 |  | |  | 40 | 88 | |  | | |  | 35 | 92 |  | | |  | 22 | 106 | |  | | 22 | 103 |  |  | 21 | 105 |  |  | 37 | 91 |  |
|  | | |  | |  | | | |  | |  |  | | |  | |  |  | | | |  | |
|  | | |  | | MABC5 | | | |  | |  | TDS90 | | |  | |  | FIQ70-84 | | | |  | |
| *Variables, n* | | |  | | yes | | no | | p | |  | yes | | no | p | |  | yes | | no | | p | |
| Male gender | | | yes | | 15 | | 71 | | 0.061 | |  | 24 | | 51 | 0.725 | |  | 18 | | 61 | | 0.217 | |
| no | | 6 | | 78 | |  | |  | 22 | | 56 |  | |  | 11 | | 67 | |  | |
| Small for gestational age | | | yes | | 10 | | 27 | | 0.004 | |  | 15 | | 19 | 0.056 | |  | 5 | | 27 | | 0.800 | |
| no | | 11 | | 122 | |  | |  | 31 | | 88 |  | |  | 24 | | 101 | |  | |
| Bronchopulmonary dysplasia | | | yes | | 11 | | 72 | | 0.817 | |  | 24 | | 51 | 1.000 | |  | 17 | | 61 | | 0.311 | |
| no | | 10 | | 77 | |  | |  | 22 | | 56 |  | |  | 12 | | 67 | |  | |
| PDA surgical closure | | | yes | | 5 | | 16 | | 0.319 | |  | 6 | | 40 | 0.807 | |  | 7 | | 22 | | 0.258 | |
|  | | | no | | 20 | | 129 | |  | |  | 17 | | 90 |  | |  | 18 | | 110 | |  | |
| Asthma medication at 5 y | | | yes | | 6 | | 30 | | 0.396 | |  | 7 | | 23 | 0.389 | |  | 7 | | 27 | | 0.803 | |
| no | | 15 | | 119 | |  | |  | 39 | | 84 |  | |  | 22 | | 101 | |  | |
| Low maternal education | | | yes | | 9 | | 42 | | 0.193 | |  | 19 | | 30 | 0.052 | |  | 12 | | 33 | | 0.008 | |
| no | | 10 | | 94 | |  | |  | 21 | | 71 |  | |  | 15 | | 85 | |  | |
| MABC5 | | | yes | | - | | - | |  | |  | 10 | | 7 | 0.011 | |  | 9 | | 10 | | 0.002 | |
| no | | - | | - | |  | |  | 36 | | 99 |  | |  | 20 | | 115 | |  | |
| TDS90 | | | yes | | 10 | | 36 | | 0.011 | |  | - | | - |  | |  | 17 | | 23 | | < 0.001 | |
| no | | 7 | | 99 | |  | |  | - | | - |  | |  | 11 | | 91 | |  | |
| FIQ70-84 | | | yes | | 9 | | 20 | | 0.002 | |  | 17 | | 11 | <0.001 | |  | - | | - | | - | |
| no | | 10 | | 115 | |  | |  | 23 | | 91 |  | |  | - | | - | |  | |

Abbreviations: FIQ70-84: full scale IQ score of 70-84 point according to The *Wechsler Preschool and Primary Scale of Intelligence-revised;* MABC5: *Movement Assessment Battery for Children* < the 5th percentile for age*;* PA: physical activity PDA: patent ductus arteriosus; TDS90: Total difficulty score above the 90th percentile of the reference group, derived from *the Strength and Difficulties Questionnaire.* χ2-exact test.