**Supplementary Table S1.** Characteristics of the study sample by CIDI DSM-IV mental disorders.

|  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | | Mental disorder | | | | | | | | | |
|  | | Any common (n=278) | Mood (n=105) | | Anxiety (n=74) | | Substance use (n=187) | No or other diagnoses (n=522) | | | | |
| Variable | | n (%)/  mean(SD) | n (%)/  mean(SD) | | n (%)/  mean(SD) | | n (%)/  mean(SD) | n (%)/  mean(SD) | | | | |
|  | | |  |  | |  | |  | | | | | |
| ***Pre- and neonatal period*** | | |  |  | |  | |  | | | | | |
| Intrauterine growth | | |  | |  | |  |  | | | | |
|  | SGA | 13 (4.7%) | 7 (6.7%) | | 5 (6.8%) | | 10 (5.3%) | 42 (8.0%) | | | | | | | |
|  | AGA | 250 (89.9%) | 91 (86.7%) | | 66 (89.2%) | | 169 (90.4%) | 463 (88.7%) | | | | | | | |
|  | LGA | 15 (5.4%) | 7 (6.7%) | | 3 (4.1%) | | 8 (4.3%) | 17 (3.3%) | | | | | | | |
| Multiple pregnancy | | 5 (1.8%) a | 1 (1.0%) | | 1 (1.4%) | | 4 (2.1%) | 24 (4.6%) | | |
| Parity (primiparous) | | 157 (56.5%) | 66 (62.9%) a | | 27 (36.5%) a | | 102(54.5%) | 265 (50.8%) | | |
| Maternal prepregnancy BMI | | 22.44 (3.63) | 22.28 (3.81) | | 22.36 (3.52) | | 22.53 (3.71) | 22.05 (3.05) | | |
| Maternal hypertensive disorder | | |  | |  | |  |  | | | | |
|  | Hypertension | 43 (15.5%) | 21 (20.0%) | | 18 (24.3%) | | 24 (12.8%) | 81 (15.5%) | | | | | | |
|  | Pre-eclampsia | 11 (4.0) | 7 (6.7%) | | 4 (5.4%) | | 6 (3.2%) | 25 (4.8%) | | | | | | |
|  | Normotension | 224 (80.6%) | 77 (73.3%) | | 52 (70.3%) | | 157 (84.0%) | 416 (79.7%) | | | | | | |
| Maternal diabetes | | |  | |  | |  |  | | | | |
|  | no OGTT | 217 (78.1%) | 87 (82.9%) | | 56 (75.7%) | | 145 (77.5%) | 427 (81.8%) | | | | | | |
|  | normal OGTT | 41 (14.7%) | 12 (11.4%) | | 13 (17.6%) | | 29 (15.5%) | 65 (12.5%) | | | | | | |
|  | gestational diabetes | 12 (4.3%) | 3 (2.9%) | | 4 (5.4%) | | 8 (4.3%) | 21 (4.0%) | | | | | | |
|  | T1 diabetes | 8 (2.9%) | 3 (2.9%) | | 1 (1.4%) | | 5 (2.7%) | 9 (1.7%) | | | | | | |
| Maternal smoking during pregnancy | | |  | |  | |  |  | | | | |
|  | No | 230 (82.7%) | 83 (79.0%) a | | 61 (82.4%) | | 153 (81.8%) | 457 (87.5%) | | | | | | |
|  | 1-10/ day | 35 (12.6%) | 15 (14.3%) | | 12 (16.2%) | | 24 (12.8) | 50 (9.6%) | | | | | | |
|  | >10 / day | 13 (4.7%) | 7 (6.7%) | | 1 (1.4%) | | 10 (5.3) | 15 (2.9%) | | | | | | |
| Maternal age | |  |  | |  | |  |  | | |
|  | < 20 years | 4 (1.4%) | 2 (1.9%) | | 2 (2.7%) | | 1 (0.5%) | 6 (1.1%) | | | | | | |
|  | 20 to 40 years | 272 (97.8%) | 102 (97.1%) | | 71 (95.9%) | | 185 (98.9%) | 505(96.7%) | | | | | | |
|  | > 40 years | 2 (0.7%) | 1 (1.0%) | | 1 (1.4%) | | 1 (0.5%) | 11 (2.1%) | | | | | | |
| Apgar score 5 minutes b | | |  | |  | |  | |  | |
|  | 0-7 | 22 (8.1%) | 6 (5.9%) | | 7 (9.6%) | | 15 (8.2%) | 46 (9.0%) | | | | | | |
|  | > 7 | 250 (91.9%) | 96 (94.1%) | | 66 (90.4%) | | 168 (91.8) | 463 (91.9%) | | | | | | |
| Length of stay in hospital/ days | | |  | |  | |  |  | | | | |
|  | no hospitalization | 105 (37.8%) | 31 (29.5%) | | 33 (44.6%) | | 70 (37.4%) | 187 (35.8%) | | | | | | |
|  | up to 7 days | 150 (54.0% | 63 (60.0%) | | 33 (44.6%) | | 101 (54.0%) | 294 (56.3%) | | | | | | |
|  | 8 to 14 days | 15 (5.4%) | 8 (7.6%) | | 4 (5.4%) | | 9 (4.8%) | 22 (4.2%) | | | | | | |
|  | > 14 days | 8 (2.9%) | 3 (2.9%) | | 4 (5.4%) | | 7 (3.7%) | 19 (3.6%) | | | | | | |
|  | |  |  | |  | |  |  | | | | |
| ***Childhood*** | |  |  | |  | |  |  | | | | |
| Parental education | |  |  | |  | |  |  | | | | |
|  | elementary | 20 (7.2%) | 4 (3.8%) | | 9 (12.2%) | | 14 (7.5%) | 44 (8.4%) | | | | | | |
|  | upper secondary | 62 (22.3%) | 29 (27.6%) | | 15 (20.3%) | | 44 (23.5%) | 110 (21.1%) | | | | | | |
|  | lower tertiary | 105 (37.8%) | 39 (37.1%) | | 25 (33.8%) | | 62 (33.2%) | 189 (36.2%) | | | | | | |
|  | upper tertiary | 91 (32.7%) | 33 (31.4%) | | 25 (33.8%) | | 67 (35.8%) | 179 (34.3%) | | | | | | |
|  | |  |  | |  | |  |  | | |
| ***Young adulthood*** | |  |  | |  | |  |  | | |
| Age | | 24.8 (0.72) | 24.8 (0.70) | | 24.7 (0.76) | | 24.7 (0.7) | 24.8(0.69) | | |
| Own education c | |  |  | |  | |  |  | | |
|  | elementary | 18 (6.7%)a | 7 (6.9%) | | 7 (9.7%) a | | 15 (8.3%) a | 15 (2.9%) | | | | | | |
|  | upper secondary | 95 (35.2%) | 36 (35.3%) | | 27 (37.5%) | | 61 (33.9%) | 156 (30.2%) | | | | | | |
|  | lower tertiary | 75 (27.8%) | 27 (26.5%) | | 17 (23.6%) | | 53 (29.4%) | 141 (27.3%) | | | | | | |
|  | upper tertiary | 82 (30.4%) | 32 (31.4%) | | 21 (29.2%) | | 51 (28.3%) | 205 (39.7%) | | | | | | |
| Maternal mental illness d | | 49 (22.4%)a | 21 (24.7%) a | | 12 (21.8%) a | | 32 (21.1%) | 87(19.8%) | | |
|  | |  |  | |  | |  | | |  | |

a *p<* 0.05 for difference against no or other diagnoses group. χ2 test was used for categorical and analysis of variance (ANOVA) for continuous variables.

b Data missing from 19 participants.

c Data missing from 13 participants.

d Data missing from 142 participants.

OGTT=Oral glucose tolerance test; SGA= small for gestational age; AGA= appropriate for gestational age; LGA= large for gestational age; BMI=body-mass-index