

Table 1. Baseline demographics of infants born <27 weeks gestational age with reported full-scale intelligence quotient (FSIQ) at 5 years of age and recorded Food and Drug Administration (FDA) warned drug exposure status.

| | Not exposed to FDA warned drugs N = 128 | Exposed to FDA warned drugs N = 110 | p value |
|---|---|---|---------|
| Infant characteristics | | | |
| ^a Gestational age at birth, weeks, mean (SD) | 26.0 (0.70) | 25.5 (0.72) | <0.001 |
| Birth weight, g, median [IQR] | 815 [740-900] | 728 [635-811] | <0.001 |
| Male, n/total N (%) | 65/128 (50.8) | 62/110 (56.4) | 0.389 |
| SNAPPE II score, median [IQR] | 33.5 [24.0-48.5] | 42.0 [31.0-54.0] | <0.001 |
| Pregnancy | | | |
| Maternal alcohol consumption during pregnancy, n/total N (%) | 10/128 (7.8) | 10/100 (9.1) | 0.723 |
| Maternal smoking during pregnancy, n/total N (%) | 25/128 (19.5) | 21/110 (19.1) | 0.932 |
| Maternal recreational drug use during pregnancy, n/total N (%) | 4/128 (3.1) | 4/110 (3.6) | 1.000 |
| Antenatal corticosteroids, n/total N (%) | 122/128 (95.3) | 96/110 (87.3) | 0.026 |
| Multiple birth, n/total N (%) | 36/128 (28.1) | 36/110 (32.7) | 0.441 |
| Birth | | | |
| Vaginal delivery, n/total N (%) | 58/128 (45.3) | 43/110 (39.1) | 0.333 |
| Vaginal assisted delivery, n/total N (%) | 6/128 (4.7) | 2/110 (1.8) | 0.292 |
| Cesarean delivery, n/total N (%) | 64/128 (50.0) | 65/110 (59.1) | 0.160 |
| Neonatal diseases | | | |
| Bronchopulmonary dysplasia, n/total N (%) | 81/24 (63.3) | 99/109 (90.8) | <0.001 |
| Necrotizing enterocolitis, n/total N (%) | 14/128 (10.9) | 28/110 (25.5) | 0.003 |
| Patent ductus arteriosus, n/total N (%) | 97/128 (75.8) | 99/110 (90.0) | 0.004 |
| Respiratory distress syndrome, n/total N (%) | 128/128 (100.0) | 109/110 (99.1) | 0.462 |
| Severe IVH (grade ≥ 3), n/total N (%) | 8/128 (6.3) | 19/110 (17.3) | 0.008 |
| Confirmed sepsis, n/total N (%) | 29/128 (22.7) | 42/110 (38.2) | 0.009 |
| Neonatal treatment | | | |
| Days in hospital, median [IQR] | 95 [83-104] | 116 [102-130] | <0.001 |
| Days on oxygen support, median [IQR] | 89 [60-190] | 178 [93-267] | <0.001 |
| Outcomes | | | |
| ^b Clinical diagnosis of disability at 36 months, n/total N (%) | 37/127 (29.1) | 48/109 (44.0) | 0.042 |
| ^c Clinical diagnosis of cerebral palsy at 36 months, n/total N (%) | 5/128 (3.9) | 7/110 (6.4) | 0.470 |
| FSIQ at 5 years, mean (SD) | 92 (14) | 86 (15) | 0.002 |

FDA, Food and Drug Administration; FSIQ, full-scale intelligence quotient; IQR, interquartile range; IVH, intraventricular hemorrhage; SNAPPE, Score for Neonatal Acute Physiology with Perinatal Extension-II;

^aGestational age was adjusted for birth weight, complications of pregnancy, and maternal factors (see Moser et al. 2023)

^bMild (gross motor function classification system 1-2) or moderate to severe (gross motor function classification system 3-5) cerebral palsy

^cMild (mild cerebral palsy, mild visual impairment, mild hearing impairment or borderline cognitive function) or severe (moderate to severe cerebral palsy, bilateral blindness, severe cognitive delay, or severe seizure disorder)