

Table 2. Regression Modeling of BSITD Composite Scores in the Development Sample using Biomedical and Psychosocial Variables: Development Sample (N=2,178)

| Characteristic | Cognitive Coefficient (SE) | Language Coefficient (SE) | Motor Coefficient (SE) |
|--|----------------------------|---------------------------|------------------------|
| Biomedical Variables | | | |
| Male | -2.84 (0.62)*** | -5.71 (0.73)*** | -3.65 (0.65)*** |
| Gestational age (weeks) | 1.45 (0.31)*** | 1.82 (0.36)*** | 1.97 (0.32)*** |
| Late-onset sepsis | -1.92 (0.75)* | -2.10 (0.87)* | -2.34 (0.79)** |
| Proven NEC | -2.05 (1.09) | N/A | -2.46 (1.15)* |
| BPD grade 3 | -8.09 (1.14)*** | -9.41 (1.37)*** | -10.68 (1.20)*** |
| IVH grade ≥3 | -4.59 (0.97)*** | -3.64 (1.15)** | -7.13 (1.02)*** |
| PVL | -5.89 (1.45)*** | -5.04 (1.68)** | -8.18 (1.50)*** |
| ROP stage ≥3 or plus disease | -3.77 (0.80)*** | -3.04 (0.94)** | -4.65 (0.84)*** |
| Shunt for post-hemorrhagic hydrocephalus | -7.54 (2.43)** | -5.73 (2.80)* | -3.30 (0.69)*** |
| Psychosocial Variables | | | |
| Mother has public/no insurance | -4.05 (0.76)*** | N/A | -3.30 (0.69)*** |
| Minoritized maternal race/ethnicity | -4.21 (0.76)*** | -5.29 (0.81)*** | N/A |
| Single parent | -1.44 (0.72)* | -6.29 (0.87)*** | N/A |
| Social worker for child | -3.66 (0.88)*** | -3.78 (1.03)*** | -4.66 (0.91)*** |

* p < 0.05, ** p < 0.01, *** p < 0.001

Note: Explanatory variables for models were selected using a backwards stepwise approach with retention criteria of p < 0.1. N/A indicates that the variable was not retained in the backwards stepwise selection procedure for that outcome.