# Supplementary information

1. **Neurodevelopmental outcomes using standard BSID-III cut-off scores compared to revised BSID-III cut-off scores, in the GBS sepsis cohort and comparison cohort**

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|  | **Standard BSID-III cut-offs** |  | **Revised BSID-III cut-offs\***  |
| **BSID-III score, n (%)** | **Sepsis (n=16)** | **Comparison (n=59)** | **BSID-III score, n (%)** | **Sepsis (n=16)** | **Comparison (n=59)**  |
| **Any domain:**  No NDI (≥90) Mild (85-89) Moderate (70-84)  Severe (<70) Mod-Severe (<85) **Cognitive**: No NDI (≥90) Mild (85-89) Moderate (70-84)  Severe (<70) Mod-Severe (<85) **Language**: No NDI (≥90) Mild (85-89) Moderate (70-84)  Severe (<70) Mod-Severe (<85) **Motor**: No NDI (≥90) Mild (85-89) Moderate (70-84)  Severe (<70) Mod-Severe (<85)  | 1 (6.3%)4 (25%)8 (50%)3 (18.8%)11 (68.8%)5 (31.3%)1 (6.3%)7 (43.8%)3 (18.8%)10 (62.5%) 2 (12.5%)4 (25%)7 (43.8%)3 (18.8%)10 (62.5%) 4 (25%)7 (43.8%)2 (12.5%)3 (18.8%)5 (31.3%) | 6 (10.2%)18 (30.5%)35 (59.3%)0 (0%)35 (59.3%)28 (47.5%)16 (27.1%)15 (25.4%)0 (0%)15 (25.4%) 19 (32.2%)13 (22%)27 (45.8%)0 (0%)27 (45.8%)12 (20.3%)29 (49.2%)18 (30.5%)0 (0%)18 (30.5%) | **Any domain:**  No NDI (>-1SD) Mild (-1- to -2SD )  Mod (-2- to -3SD )  Severe (<-3SD)  Mod-Severe (<-2SD)**Cognitive:** No NDI (≥82) Mild (77-81) Moderate (71-76) Severe (<71)  Mod-Severe (<77)**Language**: No NDI (≥81) Mild (74-80) Moderate (68-73) Severe (<68) Mod-Severe (<74)**Motor:** No NDI (≥82) Mild (78-81) Moderate (73-77)  Severe (<73) Mod-Severe (<78) | 5 (31.3%)5 (31.3%)1 (6.3%)5 (31.3%)6 (37.5%)6 (37.5%)5 (31.3%)1 (6.3%)4 (25%)5 (31.3%)6 (37.5%)6 (37.5%)1 (6.3%)3 (18.8%)4 (25%)11 (68.8%)2 (12.5%)0 (0%)3 (18.8%)3 (18.8%) | 35 (59.3%)19 (30.5%)5 (8.5%)0 (0%)5 (8.5%)44 (74.6%)11 (18.6%)4 (6.8%)0 (0%)4 (6.8%)45 (76.3%)14 (23.7%)0 (0%)0 (0%)0 (0%)55 (93.2%)3 (5.1%)1 (1.7%)0 (0%)1 (1.7%) |

\* Based on standard deviations below the mean in the comparison cohort

**B. Revised BSID-III cut-off scores, compared to standard cut-off scores, based on means and standard deviations in the comparison cohort**

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| **Standard BSID-III cut-offs** | **Revised BSID-III cut-offs\***  |
| **Domain** | **Score** | **Domain** | **Score** |
| **Cognitive:** Mean score -1 SD -2 SD -3 SD**Language:** Mean score -1 SD -2 SD -3 SD**Motor:** Mean score -1 SD -2 SD -3 SD | 100857055100857055100857055 | **Cognitive:** Mean score -1 SD -2 SD -3 SD **Language:** Mean score -1 SD -2 SD -3 SD **Motor:** Mean score -1 SD -2 SD -3 SD  | 86.180.875.670.386.580.173.667.185.981.777.473.2 |

\* Based on standard deviations below the mean in the comparison cohort