Supplementary Material 18: Duplicate data, choice of data items and justification

Duplication of data items on language domains by dataset were identified and are presented below (Table s14). The language data taken forward and informing our analysis is highlighted together with justification for the choice of dataset.

Table 1: Overall language ability; Anchor Measure WAB -AQ

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| **Study ID** | **Measures** **(IPD baseline, followup)** | **Choice made and reason** |
| 023 | WAB (0, 98)WAB-AQ (59, 98) | WAB-AQ – IPD at baseline and follow-up available |
| 027 | ASRS (30, 32)WAB-AQ (30, 57) | WAB-AQ – more IPD at follow-up WAB-AQ is also the anchor measure |
| 042 | ASRS (13, 0)WAB (2, 0)WAB-AQ (2, 0) | All retained. Data collected on different IPD. No Follow-up for any. |
| 048 | WAB-J (24, 24)SLTA (24, 0) | WAB-J - IPD at baseline and follow-up available |
| 088 | WAB-AQ (19, 36)WAB-R (19, 36) | WAB-AQ is the anchor measure |
| 375 | WAB (14, 0)WAB-AQ (14, 0) | None have follow-up data but WAB-AQ is the anchor measure |
| 528 | WAB (10, 20)WAB-AQ (10, 20) | WAB-AQ is the anchor measure |
| 529 | WAB (10, 2)WAB-AQ (10, 2) | WAB-AQ is the anchor measure |

Table 2: Auditory comprehension; Anchor Measure AAT TT Test

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| **Study ID** | **Measures** **(IPD baseline, followup)** | **Choice made and reason** |
| 011a | PICA (24, 24)TT62 (24, 24) | TT62 is within the same family as the anchor measure |
| 011b | PICA (17, 15)TT62 (17, 17) | TT62 has more IPD at follow-up |
| 011c | PPVT (12, 24)PICA (12, 12)TT62 (12, 12) | PPVT has more IPD at follow-up |
| 015 | AAT (140, 0)SAPS (136, 136)TT (141, 0) | SAPS has IPD at follow-up  |
| 026 | PSCT (25, 108)TT36 (31, 216) | TT62 has more IPD at baseline and follow-up |
| 027 | LAAB (30, 57)TT (29, 56) | LAAB has more IPD at baseline and follow-up |
| 042 | BDAE\_c (4, 0)WAB (2, 0) | Both kept as IPD available on different participants |
| 043 | AAT (10, 0)TT (10, 0) | TT but no IPD at follow-up |
| 054 | PALPA (80, 0)TT36 (76, 155) | TT36 is only one with IPD at follow-up |
| 060 | PALPA (57, 51)TT (57, 52) | TT has marginally more IPD at follow-up and it is also the anchor measure |
| 067 | AAT (44, 39)TT (40, 0) | AAT is the only one with IPD at follow-up |

Table 3: Naming; Anchor Measure BNT

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| **Study ID** | **Measures** **(IPD baseline, follow-up)** | **Choice made and reason** |
| 011a | ONT (24, 48)PICA (24, 24) | ONT has more IPD at follow-up |
| 011b | ONT (17, 16)PICA (17, 15) | ONT has more IPD at follow-up |
| 011c | ONT (12, 24)PICA (12, 12) | ONT has more IPD at follow-up |
| 039 | BNT (32, 63)CAT (34, 0) | BNT has IPD at follow-up |
| 041 | BNT (11, 22)CAT (11, 22) | BNT is the anchor measure |
| 042 | AAT (7, 0)WAB (2, 0) | Both kept as there are no duplicate data on participants |
| 054 | AAT (72, 0)BNT (71, 152) | BNT has IPD at follow-up |
| 062 | BNT (11, 0)GNT (11, 0) | BNT neither have IPD at follow-up. BNT is anchor measure |
| 071 | BETA (124, 63)BNT (258, 0) | BETA – only one with IPD at follow-up (although BNT retained for RQ1) |
| 081 | BNT-G (38, 64)Snodgrass (38, 76) | Snodgrass has more IPD at follow-up |
| 088 | BNT (19, 0)WAB-R (19, 37) | WAB-R has IPD at follow-up |
| 378 | BNT (13, 0)WAB-R (13, 0) | Neither have IPD at follow-up but BNT is the anchor measure. |

Table 4: Functional communication (observer-rated) Anchor Measure AAT

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| **Study ID** | **Measures** **(IPD baseline, follow-up)** | **Choice made and reason** |
| 004 | TOMs-activity (153, 0)TOMs-participation (153, 0) | Analysis done on set with activity and set with participation. No IPD at follow-up |
| 006 | AAT (10, 0)CAL (10, 20) | CAL has IPD at follow-up |
| 008 | TOMs-activity (34, 49)TOMs-participation (34, 49) | Analysis done on set with activity and set with participation |
| 015 | AAT (142, 0)ANELT (72, 142)CETI (71, 129)KOPS (40, 36) | ANELT has more IPD at baseline and follow-up |
| 030 | TOMs-activity (53, 47)TOMs-participation (53, 47) | Analysis done on set with activity and set with participation |
| 053 | CETI (11, 9)Scenario Test (11, 11) | Scenario Test has more IPD at follow-up |
| 054 | AAT (72, 0)ANELT (80, 160) | ANELT has IPD at follow-up |