**Weight – harmonisation notes**

*Studies (wave) with relevant data (n=23)*

ALSPAC (1,2,3,4), Ballabeina (1,2), Belgian Preschool 1, Belgian Preschool 2, Belgian Preschool 3, CHAMPS UK, CHAMPS US, CLAN (1,2,3), CoSCIS (1,2,3), EYHS Denmark (1,2), EYHS Estonia, EYHS Norway (1), EYHS Portugal (1,2), HEAPS (1), IBDS (1-6), KISS (1,2,3), MAGIC, NHANES 2003-04, NHANES 2005-06, PEACH (1,2,3), Pelotas (1,3), SPEEDY (1,3), TAAG (1,2,3).

*Assessment characteristics*

Respondent: Researcher assessed (all studies)

Constructs: Measured weight in kilogrammes (all studies)

Timing: No. of waves of assessment, Timing of assessment

*Variable(s) created*

|  |  |
| --- | --- |
| **Name** | **Description / Coding** |
| ICAD\_Weight | Participant weight in kilogrammes.Coding: Missing (.) |

Variable derived for all available waves within each study.

*Excluded studies / waves*

None.

*Study specific notes*

**IOWA** – For the first 4 waves of assessment, data on participant’s weight was assessed at both the point of accelerometer assessment and the time of attending a DXA (Dual-energy X-ray absorptiometry) scan. For waves 5 and 6, data on weight was provided only at the time of DXA scan. For consistency across waves and consistency with assessments of participant height (also conducted at DXA scan), weight measured at the time of DXA scan was used preferentially in the harmonised variable. Where data was missing for weight at DXA scan, information on weight at the time of accelerometer assessment was imputed (wave 1, n=3; wave 2, n=49; wave 3, n=75; wave 4, n=78).

**Pelotas** – Participant weight was assessed at age 11 and 12 years. Data from the age 12 survey was used in the harmonised variable, as this was more proximal to the first accelerometer-based physical activity assessment. Information on participant weight at age 15 (wave 2) was not submitted to ICAD.