**ICAD\_Birthweight - harmonisation Notes**

*Studies (wave) with relevant data (n=10)*

ALSPAC, CHAMPS\_US, EYHS Denmark, EYHS Estonia, EYHS Norway, EYHS Portugal, IBDS, KISS, Pelotas, SPEEDY

*Assessment characteristics*

Respondent: Measured at birth or parent reported

Constructs: Measured in grams, kg and pounds (variable units were converted from kg (\*1000) and pounds (\*453.59237) to grams (g) when necessary)

Timing:

*Variable(s) created*

|  |  |
| --- | --- |
| **Name** | **Description / Coding** |
| ICAD\_Birthweight | Participants birth weight in grams  Coding: Missing (.) |

*Studies / waves included in each harmonised variable*

|  |  |
| --- | --- |
| **Name** | **Study** |
| ICAD\_Birthweight | ALSPAC  CHAMPS\_US  EYHS-Denmark  EYHS Estonia  EYHS Norway  EYHS Portugal  IBDS  KISS  Pelotas  SPEEDY |
|  |  |

Excluded studies / waves

|  |  |
| --- | --- |
| **Study / wave**  **Variable** | **Rationale** |
| Ballabeina | Excluded because birth weight is coded to a categorical variable and therefore makes comparison with the other studies difficult. |

*Study specific notes*

**ALSPAC**: Measured at birth, from obstetric data, recorded by the ALSPAC measurer or birth notification.

**CHAMPS US**: Parent reported, questionnaire

**EYHS-Denmark**: Parent reported, questionnaire. Had five variables containing information about birth weight. The new variable (ICAD\_Birthweight) was created based on the first (W1a\_a1), if birth weight was missing, the missing value was replaced with the value from the second birth weight variable (W1b\_a1), etc. Some (n=166) have reported a different birth weight on a later wave. With this method, the harmonised variable is made from the first measurement available (closest to birth).

**EYHS Estonia**: Parent reported, questionnaire

**EYHS Norway**: Parent reported, questionnaire

**EYHS Portugal**: Parent reported, questionnaire

**IBDS**: Measured at birth, from hospital records

**KISS**: Parent reported, questionnaire

**Pelotas**: Measured at birth, by research assistant few hours after delivery

**SPEEDY**: Parent reported, questionnaire

**EYHS Denmark:** Had five different variables containing information about birthweight. The new variable (ICAD\_Birthweight) was created based on the variables from the first wave of data collection (W1a\_a1). If birth weight was missing, the missing value was replaced with the value from the second birth weight variable (W1b\_a1), etc. For some individuals (n=166) reported birthweight differed across the relevant variables. The harmonised variable is made from the first measurement available (closest to birth).

**IBDS** had data on birth weight from different waves. Wave 2 were used (because this wave had fewest missing values), but if data were missing in wave 2 the missing value was replaced with data from one of the other waves if available. When birth weight was provided several times for one participant there was no difference in the value (based on hospital records).