**Systolic blood pressure- Harmonisation Notes**

*Studies (wave) with relevant data (n=12)*

ALSPAC (1,2,3,4), CoSCIS (1,2,3), EYHS Denmark (1,2,3), EYHS Estonia, EYHS Norway (1), EYHS Portugal (1,2), KISS (1,2,3), MAGIC, NHANES 2003-04, NHANES 2005-06, Pelotas (1,3), SPEEDY (3)

*Assessment characteristics*

Respondent: Researcher assessed (all studies)

Constructs: Measured in mmHg/min

*Variable(s) created*

|  |  |
| --- | --- |
| **Name** | **Description / Coding** |
| ICAD\_Systolic | Participants resting systolic blood pressure in mmHg/min  Coding: Missing (.) |

*Studies / waves included in each harmonised variable*

|  |  |
| --- | --- |
| **Name** | **Study** |
| ICAD\_Systolic | ALSPAC (1,2,3,4)  COSCIS (1,2,3)  EYHS Denmark (1,2,3)  EYHS Estonia  EYHS Norway  EYHS Portugal (1,2)  KISS (1,2,3)  MAGIC  NHANES 2003-04  NHANES 2005-06  Pelotas (1,3)  SPEEDY (3) |

Excluded studies / waves

|  |  |
| --- | --- |
| **Study / wave**  **Variable** | **Rationale** |
|  |  |

*Item selection / prioritisation*

ALSPAC wave 4- measured on each arm. The mean value of the right arm was used to make the harmonised variable - to ensure comparability with the other waves in ALSPAC.

*Study specific notes*

**ALSPAC:** In wave 1 the mean of two measurements was provided. ALSPAC wave 2,3 and 4 – two measurements provided, and the mean of the two readings was calculated to make the harmonised variable.

**CoSCIS:** For wave 1 and 3, the mean of three readings was provided. In wave 2 three measurements were provided and the mean of these three measurements were used to make the harmonised variable.

**EYHS Denmark:** Three measurements provided and the mean of these three readings was used to make the harmonised variable.

**EYHS Estonia:** Three measurements provided and the mean of these three measurements was used to make the harmonised variable.

**EYHS Norway:** Three measurements provided and the mean of these three measurements was used to make the harmonised variable.

**EYHS Portugal:** Three measurements provided and the mean of these three measurements was used to make the harmonised variable.

**KISS:** One measure was provided (which is the mean of three, out of five, measurements with the smallest variation).

**MAGIC:** Three measurements provided, the mean value was calculated to make the harmonised variable.

**NHANES 2003-04:** Three (sometimes four) readings provided- the mean value was calculated to make the harmonised variable.

**NHANES 2005-06:** Three readings provided (sometimes four). The mean value was calculated to make the harmonised variable.

**Pelotas:** One variable with the mean value of two readings was provided.

NOTE: In variable information in W3 the variable name of systolic and diastolic blood pressure was swapped. The variable W3\_kpasmed was used to make the harmonised variable.

**SPEEDY:** One variable with the mean value of two readings was provided.