**Table S2: Reporting and management of missing values in studies on the development of hypertension risk prediction models**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **First author** | **Outcome** | |  | **Variables included in risk models** | |
|  | **Missing values** | **Management of missing values** |  | **Missing values** | **Handling of participants with missing values** |
| Pearson et al, 1990 [[1](#_ENREF_1)] | Not reported | Not applicable |  | Not reported | Not reported |
| Parikh et al,2008 [[2](#_ENREF_2)] | Not reported | Not applicable |  | Reported without specifying the variables affected | Exclusion of participants with missing values |
| Paynter et al, 2009 [[3](#_ENREF_3)] | Not reported | Not applicable |  | Reported without specifying the variables affected | Exclusion of participants with missing values |
| Kivimäki, et al, 2009 [[4](#_ENREF_4)] | Not reported | Not applicable |  | Reported without specifying the variables affected | Exclusion of participants with missing values |
| Kivimäki, et al, 2010 [[5](#_ENREF_5)] | Not reported | Not applicable |  | Reported without specifying the variables affected | Exclusion of participants with missing values |
| Kshirsagar et al, 2010 [[6](#_ENREF_6)] | Not reported | Not applicable |  | Reported without specifying the variables affected | Single imputation of missing values for family history of hypertension, exclusion of participants with missing values on other covariates |
| Bozorgmanesh et al, 2011 [[7](#_ENREF_7)] | Not reported | Not applicable |  | Not reported | Not reported |
| Chien et al, 2011 [[8](#_ENREF_8)] | Not reported | Not applicable |  | Not reported | Not reported |
| Lim et al, 2013 [[9](#_ENREF_9)] | Not reported | Not applicable |  | Reported without specifying the variables affected | Exclusion of participants with missing values |
| Fava et al, 2013 [[10](#_ENREF_10)] | Not reported | Not applicable |  | Reported only for genotype variables | Imputation of missing values for the genotype variables, exclusion of participants with missing values for other variables |

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