Plausible values and creation of new variables

Under this document we describe the plausible values consider for each of the variables used in the imputation model. In addition we provide the rules that we applied on the creation of additional variables required for the imputation model.

Considered plausible ranges

The following table describes the continuous variables and the time-related variables we require to run the imputation model. There you can see for each variable, the classification, the units and the plausible range (minimum, maximum). We set all values outside the plausible range as NA.

Classification	Variable name	Variable type	Units	Min	Max
Pwoman	age	Continuous	(years)	13	Inf
Pwoman	weight	Continuous	(Kg)	0	Inf
Pwoman	pre_pregweight	Continuous	(Kg)	0	Inf
Pwoman	height	Continuous	(cm)	0	Inf
Exposure	zikv_pcr_ga_1	Time	(weeks)	0	Inf
Exposure	zikv_pcr_vl_1	Continuous	(copies/microL)	0	Inf
Exposure	zikv_elisa_ga_1	Time	(weeks)	0	Inf
Exposure	zikv_ga	Time	(weeks)	0	Inf
Exposure	symp_ga	Time	(weeks)	0	Inf
Exposure	arb_clindiag_ga	Time	(weeks)	0	Inf
Outcome	miscarriage_ga	Time	(weeks)	0	Inf
Outcome	loss_ga	Time	(weeks)	0	Inf
Outcome	endga	Time	(weeks)	0	Inf
Outcome	birth_ga	Time	(weeks)	0	Inf
Outcome	inf_weight	Continuous	(grams)	100	6000
Outcome	inf_length	Continuous	(cm)	18	Inf
Outcome	inf_head_circ_birth	Continuous	(cm)	0	Inf
Outcome	inf_head_circ_fu1	Continuous	(cm)	0	Inf
Outcome	inf_head_circ_age_fu1	Time	(weeks)	0	Inf
Outcome	inf_head_circ_fu2	Continuous	(cm)	0	Inf
Outcome	inf_head_circ_age_fu2	Time	(weeks)	0	Inf
Outcome	inf_head_circ_fu3	Continuous	(cm)	0	Inf
Outcome	inf_head_circ_age_fu3	Time	(weeks)	0	Inf

By running this code, it is generated the "obs_to_check.RData" file with the observations outside the plausible range, it can be found in the "3_Output_data", there is an additional column called "Var_to_check" that indicates the variable with implausible values for each observation.