

WP5: Respiratory Health Data harmonization manual

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Aim

The aim of this work package is to examine respiratory tract development and disease trajectories throughout the life course, focusing on asthma and chronic obstructive pulmonary disease (COPD). We will examine the associations of exposure to early-life stressors during preconception, pregnancy, infancy and early childhood with respiratory health and disease during childhood, adolescence and adulthood

We have developed a list of respiratory and related (atopic) variables that are of interest for the EU Child Cohort Network. These variables have been selected based on prior experience with metaanalyses and data availability in the participating cohorts.



Variables and instructions

The respiratory variables list provides a description of the proposed variables: their name, description and instructions for how to derive the harmonised LifeCycle variables.

We have grouped the respiratory variables into the following groups

- Maternal characteristics (for some, please see core variable list WP1)
- Respiratory disease
- Allergic disease
- Skin disease
- Respiratory diseases in adulthood

Please note: some variables related to this work package, such as maternal asthma and smoking during pregnancy, are not in the respiratory variables list, since these variables were already harmonized within WP1. These variables can therefore be found in the core variable list.

Variable prioritization

We have assigned two different levels of priority to the variables. The highest priority variables were selected based on the variables that are part of the main LifeCycle WP5 outcomes, on number of studies that have these data and on data that is needed for the proof of principle paper. Please note that because of the latter, one exposure variable (pet exposure during pregnancy) has also been included.

The following are the highest priority variables:

- Maternal allergy (food or inhalant)
- Wheezing (ever between ages 0-4 year, and ever between ages 5-10 years)
- Ever asthma (CHICOS definition)
- Current asthma (MeDALL definition)
- Lung function measurements
- Inhalant allergy (ever)
- Inhalant allergic sensitization (SPT and/or specific IgE)
- Asthma in adulthood
- COPD in adulthood (GOLD criteria)
- Pet exposure during pregnancy

We suggest that you begin with the highest priority variables. Harmonisation of the highest priority variables should be completed by **September 2019**. Harmonisation of all the remaining variables should be completed by **February 2020**.

Harmonisation

When harmonizing the variables, please use the cleanest variables available within your cohort. Harmonisation is done in the wide format. When creating variables, if no data exist within your cohort for a given variable at any age or at specific ages, then skip these and don't create the variable. For example, if there are no lung function measures then don't create any lung function measure variables.



If there is only one measure of inhalant allergic sensitization by skin prick test at the age of 7.5 years, then you only need to create the variable inh_all_sens_SPT_7. For repeated measures, please use the actual age at time of measurement (as opposed to the average age of the cohort at follow-up).

A brief explanation of the table headings is given below (Table 1). The actual respiratory variables table follows on the following pages (Table 3), and additionally as a separate excel file.

For continuous variables (data type 'decimal'), a description of the required units for each variable is provided in the harmonization table.

Please record a description of harmonization, to be entered in the online catalogue. This includes a description of the source variables and whether the variable is fully or partially harmonized. Where a variable is only partially harmonized, please provide an explanation for why the variable is partially harmonized in the harmonization description.

If you have any queries about harmonization or the WP5 variables list please contact Rosalie Mensink-Bout (s.mensink-bout@erasmusmc.nl) and Liesbeth Duijts (l.duijts@erasmusmc.nl) from WP5.

Variable name	Label/description	Values	Unit	Data Type	Comments	Further instructions
The name of the harmonised variable. This name needs to match exactly with the derived (harmonised) variable.	The description of the harmonised LifeCycle variable (matches with that provided in the online catalogue). There is no need to label variables.	Details the categories for categorical and binary variables.	Gives the units for continuous variables	The data type: decimal, binary, categorical and integer. Binary, categorical and integer variables will be included as integer variables in Opal. For decimal variables, the level of precision available within the cohort should be maintained.	Instructions/ comments for harmonization	Further specific instructions for harmonization.

Table 1. A brief explanation of the harmonization table headings



Respiratory health variables harmonization table

	Variable name	Label/description	Values	Unit	Data Type	Comments	Further instructions
highest priority variables (deadline Sept 2019)							
2nd priority variables (deadline Feb 2020)							
META VARIABLES							
Mother identifier	mother_id	Unique identifier number for the mother			Integer	Either the original id or a new id generated by the cohort	Should already be created for the core variable list, please add here to make it possible to combine data
Child identifier	child_id	Unique identifier number for the index child			Integer	Either the original id or a new id generated by the cohort	Should already be created for the core variable list, please add here to make it possible to combine data
MATERNAL CHARACTERISTICS:							
HEALTH-RELATED CHARACTERISTICS							
Maternal eczema	eczema_m	Maternal history of eczema before pregnancy (of index child)	0) No 1) Yes		Binary	Where data are available, eczema should be doctor diagnosed. If no information is available on doctor diagnosis, the variable is partially harmonised.	
Maternal inhalant allergy	allergy_inh_m	Maternal history of inhalant allergy before pregnancy (of index child)	0) No 1) Yes		Binary	Where data are available, inhalant allergy should be doctor diagnosed. If no information is available on doctor diagnosis, the variable is partially harmonised.	
Maternal food allergy	allergy_food_m	Maternal history of food allergy before pregnancy (of index child)	0) No 1) Yes		Binary	Where data are available, food allergy should be doctor diagnosed. If no information is available on doctor diagnosis, the variable is partially harmonised.	



	1				-	
Maternal allergy (food or inhalant)	allergy_any_m	Maternal history of any allergy before	0) No	Binary	Where data are	
		pregnancy (of index child)	1) Yes		available, allergy	
					should be doctor	
					diagnosed. If no	
					information is	
					available on doctor	
					diagnosis the veriable	
					is sentially	
					is partially	
					narmonised.	
CHILD CHARACTERISTICS						
RESPIRATORY DISEASE						
Wheezing	whe_ever	Wheezing between ages 0-4 years	0) No	Binary	Where data are	
			1) Yes		available, wheezing	
					should be obtained by	
					ISAAC questionnaires.	
					If this is not the case,	
					the variabele is	
					partially harmonized	
	whe ever2	Wheezing between ages 0-2 years	0) No	Binary	Where data are	
			1) Yes	,	available wheezing	
			2,		should be obtained by	
					ISAAC questionnaires	
					If this is not the case	
					the veriabele is	
					partially narmonized	
	whe_ever 4	Wheezing between ages 2-4 years	0) No	Binary	Where data are	
			1) Yes		available, wheezing	
					should be obtained by	
					ISAAC questionnaires.	
					If this is not the case,	
					the variabele is	
					partially harmonized	
	whe_ever5_10	Wheezing between ages 5-10 years	0) No	Binary	Where data are	
			1) Yes		available, wheezing	
					should be obtained by	
					ISAAC questionnaires.	
					If this is not the case,	
					the variabele is	
					partially harmonized	



	whe_0	Wheezing of the child. If more than one	0) No	Binary	Where data are	
	whe_1	status is recorded within the defined time	1) Yes		available, wheezing	
	whe_2	frame, use the highest reported level.			should be obtained by	
					ISAAC questionnaires.	
	whe_17	Repeated measures:			If this is not the case,	
		whe_0: wheezing within one year of birth			the variabele is	
		(child aged between >-1 year and <1 year)			partially harmonized	
		whe_1: wheezing when the child was aged				
		between ≥1 and <2 years				
		whe_2: wheezing when the child was aged				
		between ≥2 and <3 years				
		whe_3: wheezing when the child was aged				
		between ≥3 and <4 years				
		whe_17: wheezing when the child was aged				
		between ≥17 and <18 years				
Ever asthma	asthma_ever_CHICOS	School age asthma according to CHICOS	0) No	Binary	Asthma diagnosis at	Please indicate the age. If
		definition	1) Yes		the age of ≥5 years.	multiples ages are available,
					Where data are	please take the oldest age
					available, asthma	
					should be obtained by	
					ISAAC questionnaires.	
					If this is not the case,	
					the variabele is	
					partially harmonized	
	asthma_ever_MeDALL	Ever diagnosis of asthma according to	0) No	Binary	Ever diagnosis of	Please indicate the age. If
		MeDALL definition	1) Yes		asthma. Where data	multiples ages are available,
					are available, asthma	please take the oldest age
					should be obtained by	
					ISAAC questionnaires.	
					If this is not the case,	
					the variabele is	
					nartially harmonized	



	asthma_0 asthma_1 asthma_2 asthma_17	Asthma diagnosis of the child. If more than one status is recorded within the defined time frame, use the highest reported level. Repeated measures: asthma_0: diagnosis of asthma within one year of birth (child aged between >-1 year and <1 year) asthma_1: diagnosis of asthma when the child was aged between ≥1 and <2 years asthma_2: diagnosis of asthma when the child was aged between ≥2 and <3 years asthma_3: diagnosis of asthma when the child was aged between ≥3 and <4 years asthma_17: diagnosis of asthma when the child was aged between ≥17 and <18 years	0) No 1) Yes	Binary	Where data are available, asthma should be obtained by ISAAC questionnaires. If this is not the case, the variabele is partially harmonized	
Current asthma	asthma_current_MeDALL	Current asthma (MeDALL)	0) No 1) Yes	Binary	2 out of 3 of: 1. Doctor diagnosed asthma 2. Wheezing in the past 12 months 3. Use of asthma medication in the past 12 months	Please indicate the age. If multiples ages are available, please create multiple variables, one for each age available (i.e. asthma_current_MeDALL_0, asthma_current_MeDALL_1 etc.)
	asthma_current_ISAAC	Current asthma (ISAAC)	0) No 1) Yes	Binary	1, and (2 or 3) 1. Doctor diagnosed asthma 2. Wheezing in the past 12 months 3. Use of asthma medication in the past 12 months	Please indicate the age. If multiples ages are available, please create multiple variables, one for each age available (i.e. asthma_current_ISAAC_0, asthma_current_ISAAC_1 etc.)



Asthma medication use	asthma_med_0	Use of asthma medication	0) No	Binary	
	asthma_med_1		1) Yes		
	asthma_med_2	Repeated measures:			
		asthma_med_0: asthma medication use			
	asthma_med_17	within one year of birth (child aged			
		between >-1 year and <1 year)			
		asthma_med_1: asthma medication use			
		when the child was aged between ≥1 and			
		<2 years			
		asthma_med_2: asthma medication use			
		when the child was aged between ≥2 and			
		<3 years			
		asthma med 3: asthma medication use			
		when the child was aged between ≥3 and			
		<4 years			
		,			
		asthma med 17: asthma medication use			
		when the child was aged between ≥ 17 and			
		<18 years			
	asthma mad snos 0	Use of esthme medication, type specified	0) No	 Cotogorical	
	asthma_med_spec_0	Use of astrima medication, type specified	U) NO	Categorical	
	asthma_med_spec_1	Depented measures:	1) Innaled bronchodilator		
	astrima_meu_spec_z	Repeated measures:	(reliever innaler) only		
		astrima_med_U: astrima medication use	2) Innaled corticosteroid		
	astnma_med_spec_17	within one year of birth (child aged	(preventer innaler) only		
		between >-1 year and <1 year)	3) Both 1 and 2		
		asthma_med_1: asthma medication use	4) Other/unspecified		
		when the child was aged between ≥1 and			
		<2 years			
		asthma_med_2: asthma medication use			
		when the child was aged between ≥2 and			
		<3 years			
		asthma_med_3: asthma medication use			
		when the child was aged between ≥3 and			
		<4 years			
		asthma_med_17: asthma medication use			
		when the child was aged between ≥17 and			
		<18 years			



Upper respiratory tract infections	URTI_0 URTI_1 URTI_2 URTI_17	Upper respiratory tract infections (ear infection, throat infections, laryngitis, croup, whooping cough or equivalent) Repeated measures: URTI_0: Upper respiratory tract infectionswithin one year of birth (child aged between >-1 year and <1 year) URTI_1: Upper respiratory tract infections when the child was aged between ≥1 and <2 years URTI_2: Upper respiratory tract infections when the child was aged between ≥2 and <3 years URTI_3: Upper respiratory tract infections when the child was aged between ≥3 and <4 years URTI_17: Upper respiratory tract infections when the child was aged between ≥3 and <4 years URTI_17: Upper respiratory tract infections when the child was aged between ≥17 and <18 years	0) No 1) Yes	Binary	Please specify which infections were assessed. Where data are available, infections should be doctor diagnosed. If this is not the case, the variabele is partially harmonized	
Lower respiratory tract infections	LRTI_0 LRTI_1 LRTI_2 LRTI_17	Lower respiratory tract infections (bronchiolitis, bronchitis, pneumonia, chest infection, or equivalent) Repeated measures: LRTI_0: Lower respiratory tract infectionswithin one year of birth (child aged between >-1 year and <1 year) LRTI_1: Lower respiratory tract infections when the child was aged between ≥1 and <2 years LRTI_2: Lower respiratory tract infections when the child was aged between ≥2 and <3 years LRTI_3: Lower respiratory tract infections when the child was aged between ≥3 and <4 years LRTI_17: Lower respiratory tract infections when the child was aged between ≥3 and <4 years 	0) No 1) Yes	Binary	Please specify which infections were assessed. Where data are available, infections should be doctor diagnosed. If this is not the case, the variabele is partially harmonized	
LUNG FUNCTION						



	FEV1_abs_1 FEV1_abs_2 FEV1_abs_17	second (L) Repeated measures: FEV1_abs_0: FEV1 within one year of birth (child aged between >-1 year and <1 year) FEV1_abs_1: FEV1when the child was aged between ≥1 and <2 years FEV1_abs_2: FEV1when the child was aged between ≥2 and <3 years FEV1_abs_3: FEV1use when the child was aged between ≥3 and <4 years FEV1_abs_17: FEV1use when the child was aged between ≥17 and <18 years			
	FVC_abs_0 FVC_abs_1 FVC_abs_2 FVC_abs_17	Forced Vital Capacity (L) Repeated measures: FVC_abs_0: FVC within one year of birth (child aged between >-1 year and <1 year) FVC_abs_1: FVC when the child was aged between ≥1 and <2 years FVC_abs_2: FVC when the child was aged between ≥2 and <3 years FVC_abs_3: FVC when the child was aged between ≥3 and <4 years FVC_abs_17: FVC when the child was aged between ≥17 and <18 years	L	Decimal	
	FEF25_abs_0 FEF25_abs_1 FEF25_abs_2 FEF25_abs_17	Forced Expiratory Flow after exhaling 25% of FVC (L/s) Repeated measures: FEF25_abs_0: FEF25 within one year of birth (child aged between >-1 year and <1 year) FEF25_abs_1: FEF25 when the child was aged between ≥1 and <2 years FEF25_abs_2: FEF25 when the child was aged between ≥2 and <3 years FEF25_abs_3: FEF25 when the child was aged between ≥3 and <4 years FEF25_abs_17: FEF25 when the child was aged between ≥17 and <18 years	L/s	Decimal	



	FEF50 abs 0	Forced Expiratory Flow after exhaling 50%	L/s	Decimal	
	EEE50 abc 1	of EV(C (L/s)			
		011 VC (L/3)			
	FEF50_abs_2				
		Repeated measures:			
	EFE50 abs 17	FEE50 abs 0: FEE50 within one year of			
	12130_003_17				
		birth (child aged between >-1 year and <1			
		year)			
		FFF50 abs 1: FFF50 when the child was			
		and hot was \$1 and the could was			
		aged between 21 and <2 years			
		FEF50_abs_2: FEF50 when the child was			
		aged between >2 and <3 years			
		FEFSU_abs_3. FEFSU when the child was			
		aged between ≥3 and <4 years			
		FEEEO abs. 17: FEEEO when the shild was			
		TEI 50_abs_17. TEI 50 when the child was			
		aged between ≥17 and <18 years			
	FEF75 abs 0	Forced Expiratory Flow after exhaling 75%	L/s	Decimal	
	FFF7F abs 1		-, -		
	FEF/5_dUS_1	OI FVC (L/S)			
	FEF75_abs_2				
		Repeated measures:			
	EEE75 abs 17	EEE75 abs 0: EEE75 within one year of			
	16175_005_17	1 LI 75_abs_0.1 LI 75 within one year of			
		birth (child aged between >-1 year and <1			
		year)			
		EEE75 abs 1: EEE75 when the shild was			
		TEL75_dbs_1. TEL75 when the child was			
		aged between ≥1 and <2 years			
		FEF75 abs 2: FEF75 when the child was			
		aged between >2 and <3 years			
		FEF/5_abs_3: FEF/5 when the child was			
		aged between ≥3 and <4 years			
		FFF7F also 17, FFF7F when the shild was			
		FEF/5_abs_17. FEF/5 when the child was			
		aged between ≥17 and <18 years			
Lung function measurements. GLI z-scores	FEV1 z 0	Forced Expiratotory Volume in the first	z-score	Decimal	
, <u> </u>	EEV/1 7 1	second z-score according to GU reference			
		second, z-score according to dei reference			
	FEV1_Z_2	criteria			
	FFV/1 7 17	Repeated measures:			
	1001_2_17	SEVIA L O SEVIA VILV			
		FEV1_abs_0: FEV1 within one year of birth			
		(child aged between >-1 year and <1 year)			
		FEV1 abs 1. FEV1 when the child was aged			
		hetugen >1 and c2 ups =			
		between 21 and <2 years			
		FEV1_abs_2: FEV1when the child was aged			
		between ≥2 and <3 years			
		EEV/1 abs 2: EEV/1050 when the child was			
		LV1_abs_5. FEV tuse when the cillu was			
		aged between ≥3 and <4 years			
		FEV1 abs 17: FEV1use when the child was			
		aged between \$17 and \$10 wars			
		aged between 217 and <18 years			



FVC_Z_0 FVC_Z_1 FVC_Z_2 FVC_Z_17	Forced Vital Lapacity, z-score according to GLI reference criteria Repeated measures: FVC_abs_0: FVC within one year of birth (child aged between >-1 year and <1 year) FVC_abs_1: FVC when the child was aged between ≥1 and <2 years FVC_abs_2: FVC when the child was aged between ≥2 and <3 years FVC_abs_3: FVC when the child was aged between ≥3 and <4 years FVC_abs_17: FVC when the child was aged between ≥17 and <18 years	z-score	Decimal	
FEV1FVC_z_0 FEV1FVC_z_1 FEV1FVC_z_2 FEV1FVC_z_17	FEV1 FVC ratio , z-score according to GLI reference criteriaRepeated measures: FEV1FVC_z_0: FEV1/FVC within one year of birth (child aged between >-1 year and <1 year) FEV1FVC_z_1: FEV1/FVC when the child was aged between ≥ 1 and <2 years FEV1FVC_z_2: FEV1/FVC when the child was aged between ≥ 2 and <3 years FEV1FVC_z_3: FEV1/FVC when the child was aged between ≥ 3 and <4 years FEV1FVC_z_17: FEV1/FVC when the child was aged between ≥ 17 and <18 years	z-score	Decimal	
FEF75_z_0 FEF75_z_1 FEF75_z_2 FEF75_z_17	Forced Expiratory Flow after exhaling 75% of FVC, 2-score according to GLI reference criteria Repeated measures: FEF75_abs_0: FEF75 within one year of birth (child aged between >-1 year and <1 year) FEF75_abs_1: FEF75 when the child was aged between ≥1 and <2 years FEF75_abs_2: FEF75 when the child was aged between ≥2 and <3 years FEF75_abs_3: FEF75 when the child was aged between ≥3 and <4 years FEF75_abs_17: FEF75 when the child was aged between ≥17 and <18 years	z-score	Decimal	



Reproducibility of spirometry	repro_0 repro_1 repro_2 repro_17	Reproducibility of the spiromery Repeated measures: Repro_0: Reproducibility of the spiromtery performed within one year of birth (child aged between >-1 year and <1 year) Repro_1: Reproducibility of the spiromtery performed when the child was aged between ≥1 and <2 years Repro_2: Reproducibility of the spiromtery performed when the child was aged between ≥2 and <3 years Repro_3: Reproducibility of the spiromtery performed when the child was aged between ≥3 and <4 years Repro_17: Reproducibility of the spiromtery performed when the child was aged between ≥1 and <1 years	0) No 1) Yes	Binary	Reproducibility should preferably be according to ERS/ATS criteria. If not, the variable is partially harmonized.	If other reproducibilty criteria are used then ATS/ERS, please indicate in the online catalogue which criteria were used.
Bronchial hyperresponsiveness (BHR)	BHR_0 BHR_1 BHR_2 BHR_17	Bronchial hyperresponsiveness, as measured by metacholine challenge test Repeated measures: BHR_0: Bronchial hyperresponsiveness within one year of birth (child aged between >-1 year and <1 year) BHR_1: Bronchial hyperresponsiveness when the child was aged between ≥1 and <2 years BHR_2: Bronchial hyperresponsiveness when the child was aged between ≥2 and <3 years BHR_3: Bronchial hyperresponsiveness when the child was aged between ≥3 and <4 years BHR_17: Bronchial hyperresponsiveness when the child was aged between ≥1 and <4 years 	0) No 1) Yes	Binary	Bronchial hyperresponsiveness is defined as a decrease in FEV1 of 220% after the administration of methacholine.	



Fractional exhaled nitric oxide (FeNO)	FeNO_0 FeNO_1 FeNO_2 FeNO_17	FeNO, in sympercent change Repeated measures: FeNO_0:FeNO within one year of birth (child aged between >-1 year and <1 year) FeNO_1: FeNO when the child was aged between ≥1 and <2 years FeNO_2: FeNO when the child was aged between ≥2 and <3 years FeNO_3: FeNO when the child was aged between ≥3 and <4 years FeNO_17: FeNO when the child was aged between ≥17 and <18 years		Sympercent change	Decimal		
ALLERGIC DISEASE							
ALLERGIC DISEASE Food allergy	food_all_0 food_all_1 food_all_2 food_all_17	Doctor diagnosis of food allergy Repeated measures: food_all_0: Food allergy within one year of birth (child aged between >-1 year and <1 year) food_all_1: Food allergy when the child was aged between ≥1 and <2 years food_all_2: Food allergy when the child was aged between ≥2 and <3 years food_all_3: Food allergy when the child was aged between ≥3 and <4 years food_all_17: Food allergy when the child was aged between ≥17 and <18 years	0) No 1) Yes		Binary	Where data are available, allergy should be obtained by ISAAC questionnaires. If this is not the case, the variabele is partially harmonized. If no information is available on doctor diagnosis, the variable is partially harmonised.	Please specify in the online catalogue which allergies were asked for
	food_all_ever	Ever doctor diagnosis of food allergy	0) No 1) Yes		Binary	Where data are available, allergy should be obtained by ISAAC questionnaires. If this is not the case, the variabele is partially harmonized. If no information is available on doctor diagnosis, the variable is partially harmonised.	Please indicate the age. If multiples ages are available, please take the oldest age. Please specify in the online catalogue which allergies were asked for



Inhalant allergy	inh_all_0 inh_all_1 inh_all_2 inh_all_17	Doctor diagnosis of inhalant allergy Repeated measures: inh_all_0: Inhalant allergy within one year of birth (child aged between >-1 year and <1 year) inh_all_1: Inhalant allergy when the child was aged between ≥1 and <2 years inh_all_2: Inhalant allergy when the child was aged between ≥2 and <3 years inh_all_3: Inhalant allergy when the child was aged between ≥3 and <4 years inh_all_17: Inhalant allergy when the child was aged between ≥1 and <2 years 	0) No 1) Yes	Binary	Where data are available, allergy should be obtained by ISAAC questionnaires. If this is not the case, the variabele is partially harmonized. If no information is available on doctor diagnosis, the variable is partially harmonised.	Please specify in the online catalogue which allergies were asked for
	inh_all_ever	Ever doctor diagnosis of inhalant allergy	0) No 1) Yes	Binary	Where data are available, allergy should be obtained by ISAAC questionnaires. If this is not the case, the variabele is partially harmonized. If no information is available on doctor diagnosis, the variable is partially	Please indicate the age. If multiples ages are available, please take the oldest age. Please specify in the online catalogue which allergies were asked for
Allergy, unspecified	all_0 all_1 all_2 all_17	Doctor diagnosis of allergy, type of allergen unspecified Repeated measures: inh_all_0: Allergy within one year of birth (child aged between >-1 year and <1 year) inh_all_1: Allergy when the child was aged between ≥1 and <2 years inh_all_2: Allergy when the child was aged between ≥2 and <3 years inh_all_3: Allergy when the child was aged between ≥3 and <4 years inh_all_17: Allergy when the child was aged between ≥1 and <18 years	0) No 1) Yes	Binary	Where data are available, allergy should be obtained by ISAAC questionnaires. If this is not the case, the variabele is partially harmonized. If no information is available on doctor diagnosis, the variable is partially harmonised.	Please specify in the online catalogue which allergies were asked for



	all_ever	Ever doctor diagnosis of allergy, type of allergen unspecified	0) No 1) Yes	Binary	Where data are available, allergy should be obtained by ISAAC questionnaires. If this is not the case, the variabele is partially harmonized. If no information is available on doctor diagnosis, the variable is partially harmonised.	Please indicate the age. If multiples ages are available, please take the oldest age. Please specify in the online catalogue which allergies were asked for.
Food allergic sensitization, SPT	food_all_sens_SPT_0 food_all_sens_SPT_1 food_all_sens_SPT_2 food_all_sens_SPT_17	Food allergic sensitization, measured by skin prick test Repeated measures: food_all_sens_SPT_0: Food allergic sensitization within one year of birth (child aged between >-1 year and <1 year) food_all_sens_SPT_1: Food allergic sensitization when the child was aged between ≥1 and <2 years food_all_sens_SPT_2: Food allergic sensitization when the child was aged between ≥2 and <3 years food_all_sens_SPT_3: Food allergic sensitization when the child was aged between ≥3 and <4 years food_all_sens_SPT_17: Food allergic sensitization when the child was aged between ≥3 and <4 years food_all_sens_SPT_17: Food allergic sensitization when the child was aged between ≥17 and <18 years	0) No 1) Yes	Binary		Please specify in the online catalogue which allergens were tested



food_all_sens_SPT_COWMILK_0	food allergic sensitization to cow milk,	0) No	Binary	
food_all_sens_SPT_COWMILK_1	measured by skin prick test	1) Yes		
food_all_sens_SPT_COWMILK 2				
	Repeated measures:			
food_all_sens_SPT_COWMILK_17	food_all_sens_SPT_COWMILK 0: food			
	allergic sensitization to cow milk within one			
	year of birth (child aged between >-1 year			
	and <1 year)			
	food all sens SPT COWMILK 1: food			
	allergic sensitization to cow milk when the			
	child was aged between >1 and <2 years			
	food all sens SPT COWMUK 2: food			
	allergic sensitization to cow milk when the			
	child was aged between >2 and <3 years			
	food all sens SPT COWMUK 2: food			
	allergic consistization to com milk when the			
	shild was aged between >2 and <4 years			
	child was aged between 25 and <4 years			
	food all cons CDT COWMUK 17 food			
	llorgia consitization to commilk when the			
	allergic sensitization to cow milk when the			
	child was aged between ≥17 and <18 years			
food_all_sens_SPT_EGG_0	food allergic sensitization to chicken egg,	0) No	Binary	
food_all_sens_SPT_EGG_1	measured by skin prick test	1) Yes		
food_all_sens_SPT_EGG_2				
	Repeated measures:			
food_all_sens_SPT_EGG_17	food_all_sens_SPT_EGG_0: food allergic			
	sensitization to chicken egg within one year			
	of birth (child aged between >-1 year and			
	<1 year)			
	si yeur)			
	food all sens SPT EGG 1: food allergic			
	food_all_sens_SPT_EGG_1: food allergic sensitization to chicken egg when the child			
	food_all_sens_SPT_EGG_1: food allergic sensitization to chicken egg when the child was aged between ≥1 and <2 years			
	food all sens_SPT_EGG_1: food allergic sensitization to chicken egg when the child was aged between ≥ 1 and < 2 years food all sens SPT EGG 2: food allergic			
	food_all_sens_SPT_EGG_1: food allergic sensitization to chicken egg when the child was aged between ≥1 and <2 years food_all_sens_SPT_EGG_2: food allergic sensitization to chicken egg when the child			
	food_all_sens_SPT_EGG_1: food allergic sensitization to chicken egg when the child was aged between ≥1 and <2 years food_all_sens_SPT_EGG_2: food allergic sensitization to chicken egg when the child was aged between ≥2 and <3 years			
	food_all_sens_SPT_EGG_1: food allergic sensitization to chicken egg when the child was aged between ≥ 1 and < 2 years food_all_sens_SPT_EGG_2: food allergic sensitization to chicken egg when the child was aged between ≥ 2 and < 3 years food_all_sens_SPT_EGG_3: food allergic			
	food_all_sens_SPT_EGG_1: food allergic sensitization to chicken egg when the child was aged between ≥1 and <2 years food_all_sens_SPT_EGG_2: food allergic sensitization to chicken egg when the child was aged between ≥2 and <3 years food_all_sens_SPT_EGG_3: food allergic sensitization to chicken egg when the child			
	food_all_sens_SPT_EGG_1: food allergic sensitization to chicken egg when the child was aged between ≥1 and <2 years food_all_sens_SPT_EGG_2: food allergic sensitization to chicken egg when the child was aged between ≥2 and <3 years food_all_sens_SPT_EGG_3: food allergic sensitization to chicken egg when the child was aged between ≥3 and <4 years			
	food_all_sens_SPT_EGG_1: food allergic sensitization to chicken egg when the child was aged between ≥ 1 and <2 years food_all_sens_SPT_EGG_2: food allergic sensitization to chicken egg when the child was aged between ≥ 2 and <3 years food_all_sens_SPT_EGG_3: food allergic sensitization to chicken egg when the child was aged between ≥ 3 and <4 years			
	food_all_sens_SPT_EGG_1: food allergic sensitization to chicken egg when the child was aged between ≥1 and <2 years food_all_sens_SPT_EGG_2: food allergic sensitization to chicken egg when the child was aged between ≥2 and <3 years food_all_sens_SPT_EGG_3: food allergic sensitization to chicken egg when the child was aged between ≥3 and <4 years food_all_sens_SPT_EGG_17: food allergic			
	food_all_sens_SPT_EGG_1: food allergic sensitization to chicken egg when the child was aged between ≥1 and <2 years food_all_sens_SPT_EGG_2: food allergic sensitization to chicken egg when the child was aged between ≥2 and <3 years food_all_sens_SPT_EGG_3: food allergic sensitization to chicken egg when the child was aged between ≥3 and <4 years food_all_sens_SPT_EGG_17: food allergic sensitization to chicken egg when the child			
	food_all_sens_SPT_EGG_1: food allergic sensitization to chicken egg when the child was aged between ≥1 and <2 years food_all_sens_SPT_EGG_2: food allergic sensitization to chicken egg when the child was aged between ≥2 and <3 years food_all_sens_SPT_EGG_3: food allergic sensitization to chicken egg when the child was aged between ≥3 and <4 years food_all_sens_SPT_EGG_17: food allergic sensitization to chicken egg when the child was aged between ≥17 and <18 years			
	food_all_sens_SPT_EGG_1: food allergic sensitization to chicken egg when the child was aged between ≥ 1 and < 2 years food_all_sens_SPT_EGG_2: food allergic sensitization to chicken egg when the child was aged between ≥ 2 and < 3 years food_all_sens_SPT_EGG_3: food allergic sensitization to chicken egg when the child was aged between ≥ 3 and < 4 years food_all_sens_SPT_EGG_17: food allergic sensitization to chicken egg when the child was aged between ≥ 17 and < 18 years			
	food_all_sens_SPT_EGG_1: food allergic sensitization to chicken egg when the child was aged between ≥1 and <2 years food_all_sens_SPT_EGG_2: food allergic sensitization to chicken egg when the child was aged between ≥2 and <3 years food_all_sens_SPT_EGG_3: food allergic sensitization to chicken egg when the child was aged between ≥3 and <4 years food_all_sens_SPT_EGG_17: food allergic sensitization to chicken egg when the child was aged between ≥17 and <18 years			



food_all_sens_SPT_WHEAT_0 food_all_sens_SPT_WHEAT_1 food_all_sens_SPT_WHEAT_2 food_all_sens_SPT_WHEAT_17	food allergic sensitization to wheat, measured by skin prick test Repeated measures: food_all_sens_SPT_WHEAT_0: food allergic sensitization to wheat within one year of birth (child aged between >-1 year and <1 year) food_all_sens_SPT_WHEAT_1: food allergic sensitization to wheat when the child was aged between ≥1 and <2 years food_all_sens_SPT_WHEAT_2: food allergic sensitization to wheat when the child was aged between ≥2 and <3 years food_all_sens_SPT_WHEAT_3: food allergic sensitization to wheat when the child was aged between ≥3 and <4 years	0) No 1) Yes	Binary	
food_all_sens_SPT_PNT_0	food_all_sens_SPT_WHEAT_17: food allergic sensitization to wheat when the child was aged between ≥17 and <18 years food allergic sensitization to peanut,	0) No	Binary	
food_all_sens_SPT_PNT_1 food_all_sens_SPT_PNT_2 food_all_sens_SPT_PNT_17	measured by skin prick test Repeated measures: food_all_sens_SPT_PNT_0: food allergic sensitization to peanut within one year of birth (child aged between >-1 year and <1 year) food_all_sens_SPT_PNT_1: food allergic sensitization to peanut when the child was aged between ≥1 and <2 years food_all_sens_SPT_PNT_2: food allergic sensitization to peanut when the child was aged between ≥2 and <3 years food_all_sens_SPT_PNT_3: food allergic sensitization to peanut when the child was aged between ≥3 and <4 years food_all_sens_SPT_PNT_17: food allergic sensitization to peanut when the child was aged between ≥3 and <4 years 	1) Yes		



food_all_sens_SPT_NUT_mix_0	food allergic sensitization to nut mix,	0) No	Binary	Please specify in online
food_all_sens_SPT_NUT_mix_1	measured by skin prick test	1) Yes		catalogue which nuts were
food all sens SPT NUT mix 2				included in the mix
	Repeated measures:			
food all sens SPT NUT mix 17	food all sens SPT NUT mix 0: food			
	allergic sensitization to nut mix within one			
	year of birth (child aged between >-1 year			
	and <1 year)			
	food all sens SPT NUT mix 1: food			
	allergic consistization to put mix when the			
	shild was aged between >1 and <2 years			
	fand all area CDT NUT min 2 fand			
	tood_all_sens_SP1_NU1_mix_2: tood			
	allergic sensitization to nut mix when the			
	child was aged between ≥2 and <3 years			
	food_all_sens_SPT_NUT_mix_3: food			
	allergic sensitization to nut mix when the			
	child was aged between ≥3 and <4 years			
	food_all_sens_SPT_NUT_mix_17: food			
	allergic sensitization to nut mix when the			
	child was aged between ≥17 and <18 years			
food all sens SPT NUT wal 0	food allergic sensitization to walnut,	0) No	Binary	
food_all_sens_SPT_NUT_wal_0 food_all_sens_SPT_NUT_wal_1	food allergic sensitization to walnut, measured by skin prick test	0) No 1) Yes	Binary	
food_all_sens_SPT_NUT_wal_0 food_all_sens_SPT_NUT_wal_1 food_all_sens_SPT_NUT_wal_2	food allergic sensitization to walnut, measured by skin prick test	0) No 1) Yes	Binary	
food_all_sens_SPT_NUT_wal_0 food_all_sens_SPT_NUT_wal_1 food_all_sens_SPT_NUT_wal_2	food allergic sensitization to walnut, measured by skin prick test Repeated measures:	0) No 1) Yes	Binary	
food_all_sens_SPT_NUT_wal_0 food_all_sens_SPT_NUT_wal_1 food_all_sens_SPT_NUT_wal_2 food_all_sens_SPT_NUT_wal_17	food allergic sensitization to walnut, measured by skin prick test Repeated measures: food all sens SPT NUT wal 0: food	0) No 1) Yes	Binary	
food_all_sens_SPT_NUT_wal_0 food_all_sens_SPT_NUT_wal_1 food_all_sens_SPT_NUT_wal_2 food_all_sens_SPT_NUT_wal_17	food allergic sensitization to walnut, measured by skin prick test Repeated measures: food_all_sens_SPT_NUT_wal_0: food allergic sensitization to walnut within one	0) No 1) Yes	Binary	
food_all_sens_SPT_NUT_wal_0 food_all_sens_SPT_NUT_wal_1 food_all_sens_SPT_NUT_wal_2 food_all_sens_SPT_NUT_wal_17	food allergic sensitization to walnut, measured by skin prick test Repeated measures: food_all_sens_SPT_NUT_wal_0: food allergic sensitization to walnut within one year of birth (child aged between >-1 year	0) No 1) Yes	Binary	
food_all_sens_SPT_NUT_wal_0 food_all_sens_SPT_NUT_wal_1 food_all_sens_SPT_NUT_wal_2 food_all_sens_SPT_NUT_wal_17	food allergic sensitization to walnut, measured by skin prick test Repeated measures: food_all_sens_SPT_NUT_wal_0: food allergic sensitization to walnut within one year of birth (child aged between >-1 year and <1 year)	0) No 1) Yes	Binary	
food_all_sens_SPT_NUT_wal_0 food_all_sens_SPT_NUT_wal_1 food_all_sens_SPT_NUT_wal_2 food_all_sens_SPT_NUT_wal_17	food allergic sensitization to walnut, measured by skin prick test Repeated measures: food_all_sens_SPT_NUT_wal_0: food allergic sensitization to walnut within one year of birth (child aged between >-1 year and <1 year) food_all_sens_SPT_NUT_wal_1: food	0) No 1) Yes	Binary	
food_all_sens_SPT_NUT_wal_0 food_all_sens_SPT_NUT_wal_1 food_all_sens_SPT_NUT_wal_2 food_all_sens_SPT_NUT_wal_17	food allergic sensitization to walnut, measured by skin prick test Repeated measures: food_all_sens_SPT_NUT_wal_0: food allergic sensitization to walnut within one year of birth (child aged between >-1 year and <1 year) food_all_sens_SPT_NUT_wal_1: food allergic sensitization to walnut when the	0) No 1) Yes	Binary	
food_all_sens_SPT_NUT_wal_0 food_all_sens_SPT_NUT_wal_1 food_all_sens_SPT_NUT_wal_2 food_all_sens_SPT_NUT_wal_17	food allergic sensitization to walnut, measured by skin prick test Repeated measures: food_all_sens_SPT_NUT_wal_0: food allergic sensitization to walnut within one year of birth (child aged between >-1 year and <1 year) food_all_sens_SPT_NUT_wal_1: food allergic sensitization to walnut when the child wae ared between >1 and <2 waar	0) No 1) Yes	Binary	
food_all_sens_SPT_NUT_wal_0 food_all_sens_SPT_NUT_wal_1 food_all_sens_SPT_NUT_wal_2 food_all_sens_SPT_NUT_wal_17	food allergic sensitization to walnut, measured by skin prick test Repeated measures: food_all_sens_SPT_NUT_wal_0: food allergic sensitization to walnut within one year of birth (child aged between >-1 year and <1 year) food_all_sens_SPT_NUT_wal_1: food allergic sensitization to walnut when the child was aged between ≥1 and <2 years food_all_sens_ST_NUT_wal_3: food	0) No 1) Yes	Binary	
food_all_sens_SPT_NUT_wal_0 food_all_sens_SPT_NUT_wal_1 food_all_sens_SPT_NUT_wal_2 food_all_sens_SPT_NUT_wal_17	food allergic sensitization to walnut, measured by skin prick test Repeated measures: food_all_sens_SPT_NUT_wal_0: food allergic sensitization to walnut within one year of birth (child aged between >-1 year and <1 year) food_all_sens_SPT_NUT_wal_1: food allergic sensitization to walnut when the child was aged between ≥1 and <2 years food_all_sens_SPT_NUT_wal_2: food allergic sensitization to walnut when the	0) No 1) Yes	Binary	
food_all_sens_SPT_NUT_wal_0 food_all_sens_SPT_NUT_wal_1 food_all_sens_SPT_NUT_wal_2 food_all_sens_SPT_NUT_wal_17	food allergic sensitization to walnut, measured by skin prick test Repeated measures: food_all_sens_SPT_NUT_wal_0: food allergic sensitization to walnut within one year of birth (child aged between >-1 year and <1 year) food_all_sens_SPT_NUT_wal_1: food allergic sensitization to walnut when the child was aged between ≥1 and <2 years food_all_sens_SPT_NUT_wal_2: food allergic sensitization to walnut when the child use aged between 20 and c1 years	0) No 1) Yes	Binary	
food_all_sens_SPT_NUT_wal_0 food_all_sens_SPT_NUT_wal_1 food_all_sens_SPT_NUT_wal_2 food_all_sens_SPT_NUT_wal_17	food allergic sensitization to walnut, measured by skin prick test Repeated measures: food_all_sens_SPT_NUT_wal_0: food allergic sensitization to walnut within one year of birth (child aged between >-1 year and <1 year) food_all_sens_SPT_NUT_wal_1: food allergic sensitization to walnut when the child was aged between ≥1 and <2 years food_all_sens_SPT_NUT_wal_2: food allergic sensitization to walnut when the child was aged between ≥2 and <3 years food_all_sens_SPT_NUT_wal_2: food	0) No 1) Yes	Binary	
food_all_sens_SPT_NUT_wal_0 food_all_sens_SPT_NUT_wal_1 food_all_sens_SPT_NUT_wal_2 food_all_sens_SPT_NUT_wal_17	food allergic sensitization to walnut, measured by skin prick test Repeated measures: food_all_sens_SPT_NUT_wal_0: food allergic sensitization to walnut within one year of birth (child aged between >-1 year and <1 year) food_all_sens_SPT_NUT_wal_1: food allergic sensitization to walnut when the child was aged between ≥1 and <2 years food_all_sens_SPT_NUT_wal_2: food allergic sensitization to walnut when the child was aged between ≥2 and <3 years food_all_sens_SPT_NUT_wal_3: food allergic sensitization to walnut when the child was aged between ≥2 and <3 years food_all_sens_SPT_NUT_wal_3: food	0) No 1) Yes	Binary	
food_all_sens_SPT_NUT_wal_0 food_all_sens_SPT_NUT_wal_1 food_all_sens_SPT_NUT_wal_2 food_all_sens_SPT_NUT_wal_17	food allergic sensitization to walnut, measured by skin prick test Repeated measures: food_all_sens_SPT_NUT_wal_0: food allergic sensitization to walnut within one year of birth (child aged between >-1 year and <1 year) food_all_sens_SPT_NUT_wal_1: food allergic sensitization to walnut when the child was aged between ≥1 and <2 years food_all_sens_SPT_NUT_wal_2: food allergic sensitization to walnut when the child was aged between ≥2 and <3 years food_all_sens_SPT_NUT_wal_3: food allergic sensitization to walnut when the child sens_SPT_NUT_wal_3: food allergic sensitization to walnut when the	0) No 1) Yes	Binary	
food_all_sens_SPT_NUT_wal_0 food_all_sens_SPT_NUT_wal_1 food_all_sens_SPT_NUT_wal_2 food_all_sens_SPT_NUT_wal_17	food allergic sensitization to walnut, measured by skin prick test Repeated measures: food_all_sens_SPT_NUT_wal_0: food allergic sensitization to walnut within one year of birth (child aged between >-1 year and <1 year) food_all_sens_SPT_NUT_wal_1: food allergic sensitization to walnut when the child was aged between ≥1 and <2 years food_all_sens_SPT_NUT_wal_2: food allergic sensitization to walnut when the child was aged between ≥2 and <3 years food_all_sens_SPT_NUT_wal_3: food allergic sensitization to walnut when the child was aged between ≥3 and <4 years	0) No 1) Yes	Binary	
food_all_sens_SPT_NUT_wal_0 food_all_sens_SPT_NUT_wal_1 food_all_sens_SPT_NUT_wal_2 food_all_sens_SPT_NUT_wal_17	food allergic sensitization to walnut, measured by skin prick test Repeated measures: food_all_sens_SPT_NUT_wal_0: food allergic sensitization to walnut within one year of birth (child aged between >-1 year and <1 year) food_all_sens_SPT_NUT_wal_1: food allergic sensitization to walnut when the child was aged between ≥1 and <2 years food_all_sens_SPT_NUT_wal_2: food allergic sensitization to walnut when the child was aged between ≥2 and <3 years food_all_sens_SPT_NUT_wal_3: food allergic sensitization to walnut when the child was aged between ≥3 and <4 years 	0) No 1) Yes	Binary	
food_all_sens_SPT_NUT_wal_0 food_all_sens_SPT_NUT_wal_1 food_all_sens_SPT_NUT_wal_2 food_all_sens_SPT_NUT_wal_17	food allergic sensitization to walnut, measured by skin prick test Repeated measures: food_all_sens_SPT_NUT_wal_0: food allergic sensitization to walnut within one year of birth (child aged between >-1 year and <1 year) food_all_sens_SPT_NUT_wal_1: food allergic sensitization to walnut when the child was aged between ≥1 and <2 years food_all_sens_SPT_NUT_wal_2: food allergic sensitization to walnut when the child was aged between ≥2 and <3 years food_all_sens_SPT_NUT_wal_3: food allergic sensitization to walnut when the child was aged between ≥3 and <4 years food_all_sens_SPT_NUT_wal_17: food	0) No 1) Yes	Binary	
food_all_sens_SPT_NUT_wal_0 food_all_sens_SPT_NUT_wal_1 food_all_sens_SPT_NUT_wal_2 food_all_sens_SPT_NUT_wal_17	food allergic sensitization to walnut, measured by skin prick test Repeated measures: food_all_sens_SPT_NUT_wal_0: food allergic sensitization to walnut within one year of birth (child aged between >-1 year and <1 year) food_all_sens_SPT_NUT_wal_1: food allergic sensitization to walnut when the child was aged between ≥1 and <2 years food_all_sens_SPT_NUT_wal_2: food allergic sensitization to walnut when the child was aged between ≥2 and <3 years food_all_sens_SPT_NUT_wal_3: food allergic sensitization to walnut when the child was aged between ≥3 and <4 years food_all_sens_SPT_NUT_wal_17: food allergic sensitization to walnut when the	0) No 1) Yes	Binary	
food_all_sens_SPT_NUT_wal_0 food_all_sens_SPT_NUT_wal_1 food_all_sens_SPT_NUT_wal_2 food_all_sens_SPT_NUT_wal_17	food allergic sensitization to walnut, measured by skin prick test food_all_sens_SPT_NUT_wal_0: food allergic sensitization to walnut within one year of birth (child aged between >-1 year and <1 year) food_all_sens_SPT_NUT_wal_1: food allergic sensitization to walnut when the child was aged between ≥1 and <2 years food_all_sens_SPT_NUT_wal_2: food allergic sensitization to walnut when the child was aged between ≥2 and <3 years food_all_sens_SPT_NUT_wal_3: food allergic sensitization to walnut when the child was aged between ≥2 and <3 years food_all_sens_SPT_NUT_wal_3: food allergic sensitization to walnut when the child was aged between ≥3 and <4 years food_all_sens_SPT_NUT_wal_17: food allergic sensitization to walnut when the child was aged between ≥17 and <18 years	0) No 1) Yes	Binary	
food_all_sens_SPT_NUT_wal_0 food_all_sens_SPT_NUT_wal_1 food_all_sens_SPT_NUT_wal_2 food_all_sens_SPT_NUT_wal_17	food allergic sensitization to walnut, measured by skin prick test Repeated measures: food_all_sens_SPT_NUT_wal_0: food allergic sensitization to walnut within one year of birth (child aged between >-1 year and <1 year) food_all_sens_SPT_NUT_wal_1: food allergic sensitization to walnut when the child was aged between ≥1 and <2 years food_all_sens_SPT_NUT_wal_2: food allergic sensitization to walnut when the child was aged between ≥2 and <3 years food_all_sens_SPT_NUT_wal_3: food allergic sensitization to walnut when the child was aged between ≥3 and <4 years food_all_sens_SPT_NUT_wal_17: food allergic sensitization to walnut when the child was aged between ≥17 and <18 years	0) No 1) Yes	Binary	



food_all_sens_SPT_NUT_cas_0	food allergic sensitization to cashew nut,	0) No	Binary	
food all sens SPT NUT cas 1	measured by skin prick test	1) Yes		
food all cons SPT NUT cos 2	include by skin prick (cst	2,		
TOOU_all_sells_SPT_NUT_CaS_2				
	Repeated measures:			
food_all_sens_SPT_NUT_cas_17	food_all_sens_SPT_NUT_cas_0: food			
	allergic sensitization to cashew nut within			
	one year of hirth (child aged between > 1			
	one year of birth (china aged between >-1			
	year and <1 year)			
	food_all_sens_SPT_NUT_cas_1: food			
	allergic sensitization to cashew nut when			
	the child was aged between >1 and <2			
	years			
	food_all_sens_SP1_NU1_cas_2: food			
	allergic sensitization to cashew nut when			
	the child was aged between ≥2 and <3			
	vears			
	food all come CDT NUIT and 2) food			
	1000_all_sens_SP1_NU1_cas_3: 1000			
	allergic sensitization to cashew nut when			
	the child was aged between ≥3 and <4			
	years			
	food all some CDT NUT and 17 food			
	TOOD_all_sens_SP1_NU1_cas_17: food			
	allergic sensitization to cashew nut when			
	the child was aged between ≥17 and <18			
	vears			
food all cons SDT NUIT has 0	food allergic consitization to bazolaut	0) No	Pipan/	
TOOU_all_sells_SP1_NU1_haz_0	roou allergic sensitization to nazeinut,		billdry	
tood_all_sens_SPT_NUT_haz_1	measured by skin prick test	1) Yes		
food_all_sens_SPT_NUT_haz_2				
	Repeated measures:			
food all sens SPT NUT has 17	food all sens SPT NUT has 0 food			
	allergie consitization to hazelout within and			
	anergic sensitization to nazemut within one			
	year of birth (child aged between >-1 year			
	and <1 year)			
	food all sens SPT NUT haz 1: food			
	allergic sensitization to hazelout when the			
	child was aged between \$1 and \$2 was a			
	child was aged between 21 and <2 years			
	<pre>tood_all_sens_SPT_NUT_haz_2: food</pre>			
	allergic sensitization to hazelnut when the			
	child was aged between ≥2 and <3 years			
	food all sens SPT NUT has 3 food			
	allergie consistention to here here the			
	allergic sensitization to nazellut when the			
	child was aged between ≥3 and <4 years			
	food all sens SPT NUT haz 17; food			
	allergic sensitization to bazelout when the			
	and gie sensitization to nazemut when the			
	child was aged between ≥17 and <18 years			



food_all_sens_SPT_SES_0 food_all_sens_SPT_SES_1 food_all_sens_SPT_SES_2 food_all_sens_SPT_SES_17	food allergic sensitization to sesame, measured by skin prick test food_all_sens_SPT_SES_0: food allergic sensitization to sesame within one year of birth (child aged between >-1 year and <1 year) food_all_sens_SPT_SES_1: food allergic sensitization to sesame when the child was aged between ≥1 and <2 years food_all_sens_SPT_SES_2: food allergic sensitization to sesame when the child was aged between ≥2 and <3 years food_all_sens_SPT_SES_3: food allergic sensitization to sesame when the child was aged between ≥3 and <4 years food_all_sens_SPT_SES_17: food allergic sensitization to sesame when the child was aged between ≥3 and <4 years 	0) No 1) Yes	Binary	
food_all_sens_SPT_FISH_mix_0 food_all_sens_SPT_FISH_mix_1 food_all_sens_SPT_FISH_mix_2 food_all_sens_SPT_FISH_mix_17	food allergic sensitization to fish mix, measured by skin prick test Repeated measures: food_all_sens_SPT_FISH_mix_0: food allergic sensitization to fish mix within one year of birth (child aged between >-1 year and <1 year) food_all_sens_SPT_FISH_mix_1: food allergic sensitization to fish mix when the child was aged between ≥1 and <2 years food_all_sens_SPT_FISH_mix_2: food allergic sensitization to fish mix when the child was aged between ≥2 and <3 years food_all_sens_SPT_FISH_mix_3: food allergic sensitization to fish mix when the child was aged between ≥3 and <4 years food_all_sens_SPT_FISH_mix_17: food allergic sensitization to fish mix when the child was aged between ≥17 and <18 years	0) No 1) Yes	Binary	Please specify in online catalogue which types of fish were included in the mix



food_all_sens_SPT_FISH_cod_0	food allergic sensitization to cod fish,	0) No	Binary	
food all sens SPT FISH cod 1	measured by skin prick test	1) Yes		
food all sens SPT FISH cod 2				
	Repeated measures:			
food all sons SPT FISH cod 17	food all sens SPT FISH cod 0: food			
1000_all_sells_sells_sells_cou_1/	allergie consistization to and fish within one			
	allergic sensitization to cod fish within one			
	year of birth (child aged between >-1 year			
	and <1 year)			
	food_all_sens_SPT_FISH_cod_1: food			
	allergic sensitization to cod fish when the			
	child was aged between ≥1 and <2 years			
	food all sens SPT FISH cod 2: food			
	allergic sensitization to cod fish when the			
	child was aged between >2 and <3 years			
	food all sens SPT EISH cod 2: food			
	allergie consistization to and fish when the			
	allergic sensitization to cod lish when the			
	child was aged between ≥3 and <4 years			
	food_all_sens_SPT_FISH_cod_17: food			
	allergic sensitization to cod fish when the			
	child was aged between ≥17 and <18 years			
	- · ·			
fand all same CDT CUTU min O	for a dially well and a share the share of the second	0) N-	Diagona	Discourse of the section
TOOD_all_sens_SP1_SHELL_mix_0	tood allergic sensitization to shell fish mix,	U) NO	віпагу	Please specify in online
food_all_sens_SPT_SHELL_mix_1	measured by skin prick test	1) Yes		catalogue which types of
food_all_sens_SPT_SHELL_mix_2				shellfish were included in
	Repeated measures:			the mix
food_all_sens_SPT_SHELL_mix_17	food_all_sens_SPT_SHELL_mix_0: food			
	allergic sensitization to shell fish mix within			
	one year of birth (child aged between >-1			
	vear and <1 year)			
	food all sens SPT SHELL mix 1: food			
	allergic consistization to shall fish mix when			
	the shild was aged between \$1 and c2			
	the child was aged between 21 and <2			
	years			
	food_all_sens_SPT_SHELL_mix_2: food			
	allergic sensitization to shell fish mix when			
	the child was aged between ≥2 and <3			
	years			
	food all sens SPT SHELL mix 3: food			
	allergic sensitization to shell fish mix when			
	the child was aged between >3 and <4			
	voarc			
	years			
	ford all same CDT CUTCH in AT Cont			
	TOOD_all_sens_SPI_SHELL_mix_17: food			
	allergic sensitization to shell fish mix when			
	the child was aged between ≥17 and <18			
	years			



food all sens SPT FRUIT kiw 0	food allergic sensitization to kiwi fruit.	0) No	Binary	
food all sens SPT EPLIIT king 1	measured by skin prick test	1) Yes	,	
	measured by skin prick test	1/103		
TOOD_all_sens_SPT_FRUIT_klw_2				
	Repeated measures:			
food_all_sens_SPT_FRUIT_kiw 17	food_all_sens_SPT_FRUIT_kiw_0: food			
	allergic sensitization to kiwi fruit within one			
	year of hirth (child aged between > 1 year			
	year of birth (child aged between >-1 year			
	and <1 year)			
	food_all_sens_SPT_FRUIT_kiw_1: food			
	allergic sensitization to kiwi fruit when the			
	child was aged between >1 and <2 years			
	food all cons CDT EPLIIT kiw 2: food			
	allergic sensitization to kiwi fruit when the			
	child was aged between ≥2 and <3 years			
	food_all_sens_SPT_FRUIT_kiw_3: food			
	allergic sensitization to kiwi fruit when the			
	child was aged between >3 and years</td <td></td> <td></td> <td></td>			
	enna was ageu between 25 ana <4 years			
	<pre>tood_all_sens_SPT_FRUIT_kiw_17: food</pre>			
	allergic sensitization to kiwi fruit when the			
	child was aged between ≥17 and <18 years			
food all sens SPT FRUIT pea 0	food allergic sensitization to peach fruit,	0) No	Binary	
food all sens SPT FRUIT nea 1	measured by skin prick test	1) Yes		
food all cons SPT_ERUIT_poo_2	incusared by skin prick test	1,103		
1000_all_sells_sell_ekoll_pea_z				
	Repeated measures:			
food_all_sens_SPTFRUIT_pea_17	food_all_sens_SPT_FRUIT_pea_0: food			
	allergic sensitization to peach fruit within			
	one year of hirth (child aged between >-1			
	vear and <1 year)			
	TOOD_all_sens_SP1_FRUI1_pea_1: food			
	allergic sensitization to peach fruit when			
	the child was aged between ≥1 and <2			
	vears			
	food all sens SPT FRUIT nea 2 food			
	allergie consitization to people fruit where			
	allergic sensitization to peach truit when			
	the child was aged between ≥2 and <3			
	years			
	food all sens SPT FRUIT pea 3: food			
	allergic sensitization to neach fruit when			
	the shild was aged between 22 and 14			
	the child was aged between 23 and <4			
	years			
	food all sens SPT FRUIT pea 17: food			
	allergic sensitization to neach fruit when			
	the shild use and between \$17 - 1.10			
	the child was aged between ≥17 and <18			
	years			



Inhalant allergic sensitization, SPT	inh_all_sens_SPT_0 inh_all_sens_SPT_1 inh_all_sens_SPT_2 inh_all_sens_SPT_17	Inahalant allergic sensitization, measured by skin prick test Repeated measures: inhalant_all_sens_SPT_0: inhalant allergic sensitization within one year of birth (child aged between >-1 year and <1 year) inhalant_all_sens_SPT_1: inhalant allergic sensitization when the child was aged between ≥1 and <2 years inhalant_all_sens_SPT_2: inhalant allergic sensitization when the child was aged between ≥2 and <3 years inhalant_all_sens_SPT_3: inhalant allergic sensitization when the child was aged between ≥3 and <4 years inhalant_all_sens_SPT_17: inhalant allergic sensitization when the child was aged between ≥3 and <4 years 	0) No 1) Yes	Binary	Please specify in the online catalogue which allergens were tested
	inh_all_sens_SPT_GRASS_mix _0 inh_all_sens_SPT_GRASS_mix _1 inh_all_sens_SPT_GRASS_mix _2 inh_all_sens_SPT_GRASS_mix _17	inhalant allergic sensitization to grass mix, measured by skin prick test Repeated measures: inhalant_all_sens_SPT_GRASS_mix_0: inhalant allergic sensitization to grass mix within one year of birth (child aged between >-1 year and <1 year) inhalant_all_sens_SPT_GRASS_mix_1: inhalant allergic sensitization to grass mix when the child was aged between ≥1 and <2 years inhalant_all_sens_SPT_GRASS_mix_2: inhalant_all_sens_SPT_GRASS_mix_2: inhalant_all_sens_SPT_GRASS_mix_3: inhalant_all_sens_SPT_GRASS_mix_3: inhalant_all_sens_SPT_GRASS_mix_3: inhalant_all_sens_SPT_GRASS_mix_3: inhalant_all_sens_SPT_GRASS_mix_17: inhalant_sens_SPT_GRASS_mix_17: inhalant_sens_SPT_GRASS_mix_17: inhalant_sens_SPT_GRASS_mix_17: inhalant_sens_SPT_SPT_SPT_SPT_SPT_SPT_SPT_SPT_SPT_SPT	0) No 1) Yes	Binary	Please specify in online catalogue which species were included in the mix



inh_all_sens_SPT_GRASS_tim _0	inhalant allergic sensitization to timothy	0) No	Binary	
inh_all_sens_SPT_GRASS_tim _1	grass, measured by skin prick test	1) Yes		
inh_all_sens_SPT_GRASS_tim_2				
	Repeated measures:			
inh_all_sens_SPT_GRASS_tim_17	inh_all_sens_SPT_GRASS tim 0: inhalant			
	allergic sensitization to timothy grass within			
	one year of birth (child aged between >-1			
	vear and <1 year)			
	inh all sens SPT GRASS tim 1 inhalant			
	allergic sensitization to timothy grass when			
	the child was aged between ≥ 1 and < 2			
	inh all cons SPT GRASS tim 2; inhalant			
	allergic consistization to timothy grass when			
	the shild was aged between >2 and <2			
	the think was aged between 22 and <3			
	Inn_aii_sens_SPI_GRASS_tim_3: inhalant			
	allergic sensitization to timothy grass when			
	the child was aged between ≥3 and <4			
	years			
	inh_all_sens_SPT_GRASS_tim_17: inhalant			
	allergic sensitization to timothy grass when			
	the child was aged between ≥17 and <18			
	years			
inh_all_sens_SPT_CAT _0	inhalant allergic sensitization to cat,	0) No	Binary	
inh_all_sens_SPT_CAT _1	measured by skin prick test	1) Yes		
inh_all_sens_SPT_CAT _2				
	Repeated measures:			
inh_all_sens_SPT_CAT _17	inh_all_sens_SPT_CAT_0: inhalant allergic			
	sensitization to cat within one year of birth			
	(child aged between >-1 year and <1 year)			
	inh_all_sens_SPT_CAT_1: inhalant allergic			
	sensitization to cat when the child was aged			
	between ≥1 and <2 years			
	inh_all_sens_SPT_CAT_2: inhalant allergic			
	sensitization to cat when the child was aged			
	between ≥2 and <3 years			
	inh_all_sens_SPT_CAT_3: inhalant allergic			
	sensitization to cat when the child was aged			
	between ≥3 and <4 years			
	inh all sens SPT CAT 17: inhalant allergic			
	sensitization to cat when the child was aged			
	between ≥17 and <18 years			



inh_all_sens_SPT_DOG _0	inhalant allergic sensitization to dog,	0) No	Binary	
inh_all_sens_SPT_DOG _1	measured by skin prick test	1) Yes		
inh all sens SPT DOG 2				
	Repeated measures:			
inh all sens SPT DOG 17	inh all sens SPT DOG Or inhalant allergic			
	consistization to dog within one year of hirth			
	sensitization to dog within one year of birth			
	(child aged between >-1 year and <1 year)			
	inh_all_sens_SPT_DOG_1: inhalant allergic			
	sensitization to dog when the child was			
	aged between ≥1 and <2 years			
	inh all sens SPT DOG 2: inhalant allergic			
	sensitization to dog when the child was			
	aged between >2 and <3 years			
	inh all sens SPT DOG 3: inhalant allergic			
	consistization to dog when the shild was			
	sensitization to dog when the child was			
	aged between ≥3 and <4 years			
	inh_all_sens_SPT_DOG_17: inhalant allergic			
	sensitization to dog when the child was			
	aged between ≥17 and <18 years			
inh all cons SPT HDM mix 0	inhalant allergic sensitization to house dust	0) No	Rinan/	 Please specify in online
inh all cans CDT LIDM mix 1	mita mix, manufact bu skin prick test		Diridi y	antalogue which species
inh all cans CDT UDM mix 2	mite mix, measured by skin prick test	1) 105		catalogue which species
Inn_all_sens_SP1_HDIVI_mix_2				were included in the mix
	Repeated measures:			
inh_all_sens_SPT_HDM_mix_17	inh_all_sens_SPT_HDM_MIX_0: inhalant			
	allergic sensitization to house dust mite mix			
	within one year of birth (child aged			
	between >-1 year and <1 year)			
	inh_all_sens_SPT_HDM_MIX_1: inhalant			
	allergic sensitization to house dust mite mix			
	when the child was aged between ≥1 and			
	<2 years			
	inh all sens SPT HDM MIX 2 inhalant			
	allergic consistization to house duct mite mix			
	when the shild was aged between >2 and			
	when the child was aged between ≥2 and			
	<3 years			
	Inn_ail_sens_SP1_HDM_MIX_3: inhalant			
	allergic sensitization to house dust mite mix			
	when the child was aged between ≥3 and			
	<4 years			
	inh all sens SPT HDM MIX 17: inhalant			
	allergic sensitization to house dust mite mix			
	when the child was aged between >17 and			
	<18 years			



inh_all_sens_SPT_HDM_derf _0	inhalant allergic sensitization to house dust	0) No	Binary	
inh_all_sens_SPT_HDM_derf_1	mite (dermatophagoides farinae),	1) Yes		
inh_all_sens_SPT_HDM_derf_2	measured by skin prick test			
inh_all_sens_SPT_HDM_derf_17	Repeated measures:			
	inh all sens SPT HDM derf 0: inhalant			
	allergic sensitization to house dust mite			
	(dermatophagoides farinae) within one			
	year of birth (child aged between >-1 year			
	and <1 year)			
	inh all sens SPT HDM derf 1: inhalant			
	allergic sensitization to house dust mite			
	(dermatophagoides farinae) when the child			
	was aged between ≥1 and <2 years			
	inh all sens SPT HDM derf 2: inhalant			
	allergic sensitization to house dust mite			
	(dermatophagoides farinae) when the child			
	was aged between ≥2 and <3 years			
	inh all sens SPT HDM derf 3: inhalant			
	allergic sensitization to house dust mite			
	(dermatophagoides farinae) when the child			
	was aged between ≥3 and <4 years			
	, , , , , , , , , , , , , , , , , , ,			
	inh all sens SPT HDM derf 17: inhalant			
	allergic sensitization to house dust mite			
	(dermatophagoides farinae) when the child			
	was aged between ≥17 and <18 years			



inh_all_sens_SPT_HDM_derp _0	inhalant allergic sensitization to house dust	0) No	Binary	
inh_all_sens_SPT_HDM_derp_1	mite (dermatophagoides pteronyssinus),	1) Yes		
inh_all_sens_SPT_HDM_derp_2	measured by skin prick test			
inh_all_sens_SPT_HDM_derp_17	Repeated measures:			
	inh_all_sens_SPT_HDM_derp_0: inhalant			
	allergic sensitization to house dust mite			
	(dermatophagoides pteronyssinus) within			
	one year of birth (child aged between >-1			
	year and <1 year)			
	inh all sens SPT HDM derp 1: inhalant			
	allergic sensitization to house dust mite			
	(dermatophagoides pteronyssinus) when			
	the child was aged between ≥1 and <2			
	years			
	inh_all_sens_SPT_HDM_derp_2: inhalant			
	allergic sensitization to house dust mite			
	(dermatophagoides pteronyssinus) when			
	the child was aged between ≥2 and <3			
	years			
	inh_all_sens_SPT_HDM_derp_3: inhalant			
	allergic sensitization to house dust mite			
	(dermatophagoides pteronyssinus) when			
	the child was aged between ≥3 and <4			
	years			
	inh_all_sens_SPT_HDM_derp_17: inhalant			
	allergic sensitization to house dust mite			
	(dermatophagoides pteronyssinus) when			
	the child was aged between ≥17 and <18			
	years			



inh all sens SPT TREE mix 0	inhalant allergic sensitization to tree polen	0) No	Binary	Please specify in online
inh all sens SPT TREE mix 1	mix measured by skin prick test	1) Yes	,	catalogue which species
inh_dll_sens_CDT_TDEE_mix_1	mix, medsured by skin prick test	1) 103		cutalogue which species
IIII_all_sells_SP1_TREE_IIIIX_2				were included in the mix
	Repeated measures:			
inh_all_sens_SPT_TREE_mix_17	inh_all_sens_SPT_TREE_mix_0: inhalant			
	allergic sensitization to tree polen mix			
	within one year of hirth (child aged			
	within one year of birth (china aged			
	between >-1 year and <1 year)			
	inh_all_sens_SPT_TREE_mix_1: inhalant			
	allergic sensitization to tree polen mix when			
	the child was aged between >1 and <2			
	years			
	inh_all_sens_SP1_TREE_mix_2: inhalant			
	allergic sensitization to tree polen mix when			
	the child was aged between ≥2 and <3			
	vears			
	inh all sens SPT TREE mix 3 inhalant			
	allergie consistization to the malar asia			
	allergic sensitization to tree polen mix when			
	the child was aged between ≥3 and <4			
	years			
	inh all sens SPT TREE mix 17: inhalant			
	allergic sensitization to tree polen mix when			
	the shild was and hot was 217 and 410			
	the child was aged between 217 and <18			
	years			
inh_all_sens_SPT_TREE_birch _0	inhalant allergic sensitization to birch,	0) No	Binary	
inh all sens SPT TREE birch 1	measured by skin prick test	1) Yes		
inh all sens SPT TREE hirch 2	, ,	,		
	Depented management			
	Repeated measures.			
Inn_all_sens_SP1_TREE_birch_17	Inn_all_sens_SPT_TREE_birch_0: Innaiant			
	allergic sensitization to birch within one			
	year of birth (child aged between >-1 year			
	and <1 year)			
	inh all sens SPT TREE birch 1 inhalant			
	allergic sensitization to hirch when the child			
	and gie sensitization to birth when the thild			
	was ageu between 21 and <2 years			
	inh_all_sens_SPT_TREE_birch_2: inhalant			
	allergic sensitization to birch when the child			
	was aged between ≥2 and <3 years			
	inh all sens SPT TREE birch 3 inhalant			
	allergic sensitization to hirch when the child			
	anergic sensitization to birth when the thild			
	was aged between ≥3 and <4 years			
	inh_all_sens_SPT_TREE_birch_17: inhalant			
	allergic sensitization to birch when the child			
	was aged between >17 and <18 years			



Food allergic sensitization, specific IgE	food_all_sens_lgE_0 food_all_sens_lgE_1 food_all_sens_lgE_2 food_all_sens_lgE_17	Food allergic sensitization, measured by specific IgE Repeated measures: food_all_sens_IgE_0: Food allergic sensitization within one year of birth (child aged between >-1 year and <1 year) food_all_sens_IgE_1: Food allergic sensitization when the child was aged between ≥1 and <2 years food_all_sens_IgE_2: Food allergic sensitization when the child was aged between ≥2 and <3 years food_all_sens_IgE_3: Food allergic sensitization when the child was aged between ≥3 and <4 years food_all_sens_IgE_17: Food allergic sensitization when the child was aged between ≥1 and <4 years 	kUA/L	Decimal	Were data are available, allergic sensitization should be measured by specific IgE. If this is not the case, and only total IgE is measured, the variable is partially harmonized	Please specify in the online catalogue which allergens were tested
Inhalant allergic sensitization, specific IgE	inh_all_sens_lgE_0 inh_all_sens_lgE_1 inh_all_sens_lgE_2 inh_all_sens_lgE_17	Inahalant allergic sensitization, measured by specific IgE Repeated measures: inhalant_all_sens_IgE_0: inhalant allergic sensitization within one year of birth (child aged between >-1 year and <1 year) inhalant_all_sens_IgE_1: inhalant allergic sensitization when the child was aged between ≥1 and <2 years inhalant_all_sens_IgE_2: inhalant allergic sensitization when the child was aged between ≥2 and <3 years inhalant_all_sens_IgE_3: inhalant allergic sensitization when the child was aged between ≥3 and <4 years inhalant_all_sens_IgE_17: inhalant allergic sensitization when the child was aged between ≥17 and <18 years	kUA/L	Decimal	Were data are available, allergic sensitization should be measured by specific IgE. If this is not the case, and only total IgE is measured, the variable is partially harmonized	Please specify in the online catalogue which allergens were tested



inh_all_sens_lgE_HDM_0 inh_all_sens_lgE_HDM_1 inh_all_sens_lgE_HDM_2 inh_all_sens_lgE_HDM_17	inhalant allergic senzitization to house dust mite, measured by IgE Repeated measures: inh_all_sens_IgE_HDM_0: inhalant allergic sensitization to house dust mite within one year of birth (child aged between >-1 year and <1 year) inh_all_sens_IgE_HDM_1: inhalant allergic sensitization to house dust mite when the	kUa/L	Decimal	Please specify in online catalogue which species were tested
	child was aged between ≥1 and <2 years inh_all_sens_IgE_HDM_2: inhalant allergic sensitization to house dust mite when the child was aged between ≥2 and <3 years inh_all_sens_IgE_HDM_3: inhalant allergic sensitization to house dust mite when the child was aged between ≥3 and <4 years inh_all_sens_IgE_HDM_17: inhalant allergic sensitization to house dust mite when the child was aged between ≥17 and <18 years			
inh_all_sens_IgE_CAT_0 inh_all_sens_IgE_CAT_1 inh_all_sens_IgE_CAT_2 inh_all_sens_IgE_CAT_17	Repeated measures: inh_all_sens_IgE_CAT_0: inhalant allergic sensitization to cat within one year of birth (child aged between >-1 year and <1 year) inh_all_sens_IgE_CAT_1: inhalant allergic sensitization to cat when the child was aged between ≥ 1 and <2 years inh_all_sens_IgE_CAT_2: inhalant allergic sensitization to cat when the child was aged between ≥ 2 and <3 years inh_all_sens_IgE_CAT_3: inhalant allergic sensitization to cat when the child was aged between ≥ 3 and <4 years inh_all_sens_IgE_CAT_17: inhalant allergic sensitization to cat when the child was aged between ≥ 3 and <4 years 	kUa/L	Decimal	Please specify in online catalogue which species were tested



	inh_all_sens_IgE_RYE_0	inhalant allergic senzitization to rye,		kUa/L	Decimal		Please specify in online
	inh_all_sens_IgE_RYE_1	measured by IgE					catalogue which species
	inh_all_sens_IgE_RYE_2						were tested
		Repeated measures:					
	inh all sens IgE RYE 17	inh all sens IgE RYE 0: inhalant allergic					
		sensitization to rve within one year of hirth					
		(child aged between >1 year and <1 year)					
		inh all sons IgE DVE 1 inhalant allergia					
		Inin_all_sells_ige_KYE_1. Ininalant allergic					
		sensitization to rye when the child was					
		aged between ≥1 and <2 years					
		inh_all_sens_lgE_RYE_2: inhalant allergic					
		sensitization to rye when the child was					
		aged between ≥2 and <3 years					
		inh_all_sens_IgE_RYE_3: inhalant allergic					
		sensitization to rye when the child was					
		aged between ≥3 and <4 years					
		inh all sens IgE RYE 17: inhalant allergic					
		sensitization to rve when the child was					
		aged between >17 and <18 years					
		aged between 217 and Cib years					
	inh_all_sens_lgE_MOULD_0	inhalant allergic senzitization to mould,		kUa/L	Decimal		Please specify in online
	inh_all_sens_IgE_MOULD_1	measured by IgE					catalogue which species
	inh_all_sens_lgE_MOULD_2						were tested
		Repeated measures:					
	inh_all_sens_IgE_MOULD_17	inh_all_sens_IgE_MOULD_0: inhalant					
		allergic sensitization to mould within one					
		year of birth (child aged between >-1 year					
		and <1 year)					
		inh_all_sens_IgE_MOULD_1: inhalant					
		allergic sensitization to mould when the					
		child was aged between ≥1 and <2 years					
		inh all sens IgE MOULD 2: inhalant					
		allergic sensitization to mould when the					
		child was aged between >2 and <3 years					
		inh all sons IgE MOLILD 2: inhalant					
		allergic sensitization to mould when the					
		child was aged between >2 and <4 years					
		ciniu was ageu between ≥5 anu <4 years					
		int all care LE MOULD 17 int 1					
		allergic sensitization to mould when the					
		child was aged between ≥17 and <18 years					
Urticaria	urticaria	Ever diagnosis of urticaria	0) No		Binary	Where data are	
			1) Yes			available, urticaria	
						should be doctor	
						diagnosed. If this is	
						not the case, the	
						variabele is partially	



Anaphylactic shock	anaphylaxis	Ever diagnosis of anaphylactic shock	0) No 1) Yes	Binary	harmonized Where data are available, anaphylactic shock should be doctor diagnosed. If this is not the case.	
					the variabele is partially harmonized	
Eczema	eczema_ever	Ever doctor-diagnosis of eczema	0) No 1) Yes	Binary	Where data are available, eczema should be obtained by ISAAC questionnaires. If this is not the case, the variabele is partially harmonized. If no information is available on doctor diagnosis, the variable is partially harmonised.	
	eczema_0 eczema_1 eczema_2 eczema_17	Doctor diagnosis of eczema Repeated measures: eczema_0: eczema within one year of birth (child aged between >-1 year and <1 year) eczema_1: eczema when the child was aged between ≥1 and <2 years eczema_2: eczema when the child was aged between ≥2 and <3 years eczema_3: eczema when the child was aged between ≥3 and <4 years eczema_17: eczema when the child was aged between ≥17 and <18 years	0) No 1) Yes	Binary	Where data are available, eczema should be obtained by ISAAC questionnaires. If this is not the case, the variabele is partially harmonized. If no information is available on doctor diagnosis, the variable is partially harmonised.	



Itchy rash	rash_0 rash_1 rash_2 rash_17 rash_loc_0 rash_loc_1 rash_loc_2 rash_loc_17	Itchy rash Repeated measures: rash_0: itchy rash within one year of birth (child aged between >-1 year and <1 year) rash_1: itchy rash when the child was aged between ≥1 and <2 years rash_2: itchy rash when the child was aged between ≥2 and <3 years rash_3: itchy rash when the child was aged between ≥3 and <4 years rash_17: itchy rash when the child was aged between ≥17 and <18 years Location of itchy rash typical for eczema Repeated measures: rash_loc_0: location of itchy rash typical for eczema, for itchy rash within one year of birth (child aged between >-1 year and <1 year) rash_loc_1: location of itchy rash typical for	0) No 1) Yes 0) No 1) Yes	E	Binary Binary	Where data are available, itchy rash should be obtained by ISAAC questionnaires. If this is not the case, the variabele is partially harmonized. If no information is available on doctor diagnosis, the variable is partially harmonised. Where data are available, itchy rash and location should be obtained by ISAAC questionnaires. If this is not the case, the variabele is partially harmonized. If no
		los_los_los planta of the child was aged between ≥ 1 and < 2 years rash_loc_2: location of itchy rash typical for eczema, for itchy rash when the child was aged between ≥ 2 and < 3 years rash_loc_3: location of itchy rash typical for eczema, for itchy rash when the child was aged between ≥ 3 and < 4 years rash_loc_17: location of itchy rash typical for eczema, for itchy rash when the child was aged between ≥ 17 and < 18 years				information is available on doctor diagnosis, the variable is partially harmonised. Locations typical for itchy rash are folds of the elbow, behind the knees, in front of the ankles, under the buttocks, or around the neck, ears of eyes (ISAAC).
DISEASES IN ADULTHOOD						
Asthma in adhulthood	asthma_adult	Ever diagnosis of asthma in adulthood based on physician diagnosis	0) No 1) Yes	E	Binary	Where data are available, asthma should be doctor diagnosed. If no information is available on doctor diagnosis, the variable is partially harmonised.
COPD in adulthood	COPD_adult_GOLD	Ever diagnosis of COPD in adulthood based on GOLD criteria	0) No 1) Yes	E	Binary	COPD defined according to the GOLD criteria encompasses an obstructive pre-



					bronchodilator spirometry (FEV1/FVC < 0.70)	
	COPD_adult_LLN	Ever diagnosis of COPD in adulthood based on lower limit of normal (LLN)	0) No 1) Yes	Binary	COPD defined according to the lower limit of normal (LLN), as described in J.L. Hankinson et al, Am J Respir Crit Care Med, 1999.	
	COPD_adult_diagnosis	Ever diagnosis of COPD in adulthood based on physician diagnosis	0) No 1) Yes	Binary	Where data are available, COPD should be doctor diagnosed. If no information is available on doctor diagnosis, the variable is partially harmonised.	
OTHER						
Pet exposure	pets_preg	Furry pet (dogs, cats, rodents) ownership in child's household during pregnancy.	0) No 1) Yes	Binary		



Example harmonization

Example of complete harmonization using data from Generation R

Definition of the harmonized LifeCycle variable (ever asthma)).

	Variable name	Label/description	Values	Unit	Data Type	Comments
META VARIABLES						
Ever asthma	asthma_ever_MeDALL	Ever diagnosis of asthma according to MeDALL definition	0) No 1) Yes		Binary	Ever diagnosis of asthma. Where data are available, asthma should be obtained by ISAAC questionnaires. If this is not the case, the variable is partially harmonized

A. Data (source variables): Generation R, focus @9 questionnaire and visit.

1.	Has your child ever had one of the following diseases diagnosed by a doctor ? If yes, at what age was it first diagnosed?										
		No	Yes, younger than 3 years	Yes, between 3 and 6 years	Yes, 6 years and older						
	a. Asthma										

B. Harmonisation: description

*F0100181_cleaned: GR1081 F1-c Has your child ever had one of the following diseases diagnosed by a doctor? If yes, at what age was it first diagnosed? Asthma (F0100181) (1: no, 2: yes, < 3 year, 3: 3-6 year; 4: > 6 year)

USE ALL.

frequencies F0100181_cleaned.

Recode F0100181_cleaned (1=0) (2=1) (3=1) (4=1) (else=SYSMIS) into asthma_ever_MeDALL. Value labels asthma_ever_MeDALL 0'No' 1'Yes'. Execute.

Frequencies F0100181_cleaned asthma_ever_MeDALL.

Complete harmonization: The harmonized variable matches the description provided in the respiratory variable table (Based on ISAAC Questionnaire).



Uploading to Opal

The wide format datasets should be reshaped into two tables: one with non-repeated measures, and one with yearly repeated measures (no monthly repeated measures are created in WP5). These scripts will create .csv files that can be uploaded in Opal/DataSHIELD, and contain the meta variable child_id to allow merging with the other tables that are uploaded online. These reshaping scripts will be shared with all cohorts at a later stage.



Appendix

I. Year, month, week, day conversions

1 year = 12 months 1 year = 52.1775 weeks 1 year = 365.2422 days 1 month = 0.0833 years 1 month = 4.3481 weeks 1 month = 30.4368 days 1 week = 0.0192 years 1 week = 0.2300 months 1 week = 7 days 1 day = 0.0027 years 1 day = 0.0329 months

1 day = 0.1429 weeks



Quality Control





Rationale

As the final part of harmonizing the Work Package 5 data of LifeCycle, the list of harmonized core variables needs a local validation. In this document, instructions for such local quality control are described.

The aim of this Quality Control is to firstly check that each cohort's harmonized variables match those described in the WP5 Variable list (*WP5_harmonisation_manual_final_V2.1_14042020*), and secondly ensure the quality of harmonization. If any unmatched or errors are found these should be amended accordingly. Each cohort should carry out the quality checks and any necessary corrections themselves. The quality checks for WP5 are in line with the quality checks for the core variables of WP1, the examples are mainly based on the core variables but directly translatable to the WP5 variables.

If you have any queries about the quality control WP5 variables please make contact to Liesbeth Duijts (l.duijts@erasmusmc.nl) and Rosalie Mensink-Bout (s.mensink-bout@erasmusmc.nl).

The deadline for finalizing the Quality Control Checks is April 17th 2020.



Step 1: Verify list of variables and formats

Please, verify that your cohort-specific harmonized WP5 variables completely match with the information provided in the WP5 Variable List.

- Each cohort needs to check that the *name* and *data type* of each of the variables corresponds exactly to the WP5 Variable List (please see the document

'WP5_harmonisation_manual_final_V2.1_14042020').

- Please check the requirements for *type of harmonization*. Variables considered 'fully harmonised' must match the information provided in the comment's section. Please, see the following examples of Step 1 in the Quality Control:

Example: History of Asthma



Core Variable List

- 1. Check the variable name ('asthma_m')
- 2. Check that the numbers of categories match (two)
- 3. Check 'comments':
 - a. Full Harmonization: if asthma is doctor diagnosed
 - b. Partial Harmonization: if asthma is not doctor diagnosed

Example: Apgar Score

Variable	Variable name	Label/description	Values	Unit	Data Typ	e	Comments
Apgar score	apgar	5-minute Apgar score	Score 1-10	(Integer)	10-minute Apgar score can be used it 5-
	\sim				\sim		minute Apgar score is not available; this
							will be partial harmonisation and should
							be detailed in the online catalogue
							1-minute Apgar score cannot be used in
							place of 5-minute Apgar score
			Са	re Vai	riable Lis	t	

1. Check the variable name ('apgar')

- 2. Check that values are integer
- 3. Check 'comments':
 - a. Full Harmonization: if Apgar score is based on a 5-minute Apgar test.
 - b. Partial Harmonization: if Apgar score is based on a 10-minute Apgar test.

If any mismatch is observed, please correct the errors accordingly.



Step 2: Check univariate distributions

Please, generate distributions for all WP5 variables, and check for outliers and improbable values. Also, for variables that have been reported in papers/publications, verify that distributions or summary statistics of the harmonized LifeCycle variable match those of the reported/published variables.

For continuous variables:

- Check that there are no outliers, i.e. values out of the minimum and maximum range based on the instrument used to measure each variable.

- Check the distribution of the variables, for example for the lung function z-score variables you expect a normal distribution with a mean around zero.

- Please use your scientific knowledge and practical sense when making this quality check so as not to drop interesting outliers. Errors are probably caused by an error in your harmonization script, so please check this carefully and correct where required.

Example: Mothers Age at Birth in years (agebirth_m_y)

For this variable, it is relevant to check for unusual values of mother's age at birth. A valid argument is that values outside the range 15-50 years need further considerations, especially if values are substantially low.

Variable	Variable name	Label/description	Values	Unit	Data Type
Maternal age at birth (years)	agebirth_m_y	Mother's age at delivery in complete years.	Continuous in years	years	Integer



A concrete example (please, see output below) is mother's age at child's birth in the Danish National Birth Cohort (DNBC) where age range is 15-47 years, which seems fairly usual; hence <u>no amendment</u> is needed.

. sum agebirth_	m_y				
Variable	Obs	Mean	Std. Dev.	Min	Max
agebirth_m_y	102,442	29.97417	4.348355	15	47

Output from STATA



For <u>categorical variables</u>:

- Check that there are no improbable values, i.e. values not corresponding to the categories defined in the Core Variable List. Please, correct errors where relevant.

Example: History of diabetes (prepreg_dia)

For History of Diabetes, there are five possible categories following the Core Variable List :

Variable	Variable name	Label/description		Values	Unit	Data Type
History of diabetes (all kinds)	prepreg_dia	Diagnosis of mother with	diabetes before index pregnancy	1) No		Categorical
				2) Type I		
				3) Type II		
				4) Gestational diabetes		
				5) Other/unspecified		

Core Variables List

Check that data is coded into a maximum of five categories, and falls into the categories 1-5 (see output):

. tab prepres	g_dia		
prepreg_dia	Freq.	Percent	Cum.
1 2 3 4 5	101,962 292 34 233 6	99.45 0.28 0.03 0.23 0.01	99.45 99.73 99.77 99.99 100.00

Output from STATA

Example: Birth outcome (outcome)

For Birth Outcome, there are six possible categories following the Harmonization Protocol:

Variable	Variable name	Label/description	Values	Unit	Data Type	Comments
Birth outcome	outcome	The child's condition at delivery	1) Live-born		Categorical	A complete match is achieved when data on all categories (live born, still born,
			2) Stillborn			spontaneous abortion etc.) are available. When detailing the match of the variable in
			3) Spontaneous abortion			the catalogue it is important to include the approximate age of recruitment; in many
			4) Induced abortion			cases this will explain a partial match. Where the match is only partial, also indicate
			5) Unspecified abortion			whether there are complete data on live-born vs. stillborn.
			6) Other (e.g. Molar + extrauterine pregnancy)			Stillborn defined according to WHO recommendations (22 completed weeks)
			•			

Core Variables List

Check that data is coded into a maximum of six categories. It might be that you don't have data in all six categories, but simply check that data falls into the categories 1-6 (see Stata-output below):

. tab outcome	, nolabel		
RECODE of outcom_f (Udfald af graviditet)	Freq.	Percent	Cum.
1 2 3 4 6	96,834 329 4,739 443 114	94.51 0.32 4.63 0.43 0.11	94.51 94.83 99.46 99.89 100.00

Output from STATA

LifeCycle

Step 3: Check internal validity

Internal validation is an important part of the local quality control. Thus, <u>within reason</u> crosstabulate the variables against other variables to check for consistency. For example:

- The variables whe_ever2 and whe_ever4 should be in line with the variables whe_0 to whe_4

- The variable whe_ever should be in line with the variables whe_ever2 and whe_ever4

- Check that children which have a specified asthma medication type (so a 1, 2, 3 or 4 for the variable asthma med spec) are specified as 'yes' for the variable asthma med , and vice versa.

- Check that all children who have information for the FEV_1 z-score also have information on the absolute value of the FEV_1 .

- Children who are coded as a 'yes' for the location of the rash (rash_loc_) should be coded as having a rash.

Please, amend any errors accordingly.

Step 4: Check consistency in repeated measures

In the WP5 variable list we have yearly repeated measures. Quality checking the repeated measures includes checking the consistency in time bands and order.

The data is still in wide format. Check that there are no duplicates in the *child_id* variable.
Check that the actual age when the variable is assessed (as opposed to the average age of the

cohort at follow-up) matches with the age range of the variable. For example if inhalant allergic sensitization is measured by skin prick test at the age of 7.5 years, then the variable inh_all_sens_SPT_7 should be created.

Step 5: Complete the Online Catalogue

As part of the Quality Control, each cohort must ensure that the Online Catalogue is aligned accordingly. This means that in the Online Catalogue description of harmonisation is complete and information in all three tabs ('description, 'variables used and script syntax' are completed in full.

The checklist below is intended to help cohorts with this alignment process. It is important that each cohort check the list step-by-step to qualify the core fundament of The LifeCycle Project: THE DATA!

Checklist to align the Online Catalogue with the Quality Control

Each cohort has the responsibility to ensure that all cohort-specific information is correctly listed in the Online Catalogue. The Online Catalogue is a vital platform for future use of the LifeCycle data, hence it is very important that anyone outside the cohorts can understand the information reported and described in the Online Catalogue and are able to use the data provided by each cohort.



Check and verify 'Description'

Ensure that a description is filled in – if no description is filled in, please fill in (see picture on the right for inadequate example)

Description	Variables used	Script syntax		

Harm	ionization of an	d	
ſ	Description	Variables used	Script syntax
	Mothers' se "Yes/1"=1,	lf-report of whether "No/2"=2	they currently live with their partner,

Ensure that the description can be understood by anyone outside the cohort (see picture on the left for adequate example)

Ensure that cohort-specific information (left) exactly match the Harmonization Protocol (right)

G Back to catalogue		
Harmonization of and		
Description Variables used Script syntax	LifeCycle variable: Plurality	
plurality = 1 if flerfold=1	Variable	plurality
plurality = 2 if flerfold=2 plurality = 3 if flerfold=3	Label	Plurality
	Data type	Categorical
	Values	
		1 =Single
		2 = i win 3 = ≥ Triplets
	Unit	
	Match	
	Comments	
	Comments	Number of foetuses in pregnancy
	Harmonized variables	

Check and verify 'Variables used'

Ensure that information on Cohort, Variable, Description, and Values are completed in full.





	CATALOGUE	USER GUIDE -	COHORT DESCRIPTIONS	IMPORT DATA -	DATASHIELD -	CONTACT	ACCOUNT	
🕒 Back	to catalogue							
Harr	nonization of and "							
	Description	Variables used	Script syntax		L	ifeCycle variable:	Maternal smo	iking in pregnancy (cigarettes)
	Cohort Variable	Description	Values			Variable		preg_cig
						Label		Maternal smoking in pregnancy (cigarettes)
	you smoke on average:		1-99			Data type		Categorical
		cigarettes/week?				Values		0 = None 1 = c 10 ner day
	DNBC A132A_2	A_2 How much did you smoke on	1-99					$2 = \geq 10 \text{ per day}$
		cigarettes/day?				Unit		
	DNBC A132A_	3 How much did you smoke on	1-99			Match		
		average: pipes/day?				Comments		Average number of cigarettes smoked per day in pregnancy
	DNBC A132A_	4 How much did you smoke on average:	1-99					Cigars, pipes, cheroots should be converted into number of cigarettes (1:3). 1 cigar, pipe, cheroot etc. is equivalent to 3 cigarettes.
		cheroots/day?						Non-smokers categorised under 0 - none
	DNBC A132A_	5 How much did you smoke on average:	1-99			Harmonized vari	ables	
		cigars/day?						

Check and verify 'Script syntax'

Check that the script syntax is filled in, and verify that the syntax reported is completed in full and matches the 'comments' and 'values' displayed on the right side. Also, ensure that any person outside the cohort can understand the syntax, and verify that any description in the syntax is in English.

ClifeGyde Catalogue User Cuide - Cohort descriptions import data - datashield - Contact account	
© Back to catalogue	
Harmonization of and	
Description Variables used Script syntax	LifeCycle variable: Maternal smoking in pregnancy (cigarettes)
*QUANTIIV SIGKED IN PRESMACY	Vaciable preg_cig
tempar dg_daly_12 dg_daly_13 dgal dg_daly_13 dgg_daly_14 /// dg_daly_15 dg_daly_1 dg_daly_10 dg_daly_23 dgal ///	Label Maternal smoking in pregnancy (cigarettes)
<pre>cig_daily_2_3 cig_daily_2_4 cig_daily_2_5 cig_daily_2 cig_daily_2 b /// precig</pre>	Data type Categorical
"Interview 1:	Values 0 = None
Princettan/devintenried-	1 = < 10 per day 2 = 2 10 per day
<pre>generate 'cig_daily_1_2'=:1012_2 replace 'cig_daily_1_2'=: if al32a_1000 & (al32a_1(=: & al32a_1(=0))</pre>	
*Convert cigarettes/week interviewid to cigarettes per day:	Unit
generate 'cig_daily_1_1'=a152a_1+7 replace 'cig_daily_1_1'=. if a132a_1==0 & (a132a_2!=. & a132a_2!=0)	Match
egen 'cigil' = rowmean('cig_daily_1_1' 'cig_daily_1_2')	Comments
*Convert pipes/cherrots/cigars to cigarettes	Average number of cigarettes smoked per day in pregnancy
prevents cag_cally_i_> maile_3 + 3 prevents (cag_cally_i_4 = maile_3 + 3	Cigars, pipes, cheroots should be converted into number of cigarettes (1:3). 1
generate 'cig_daily_1_5'call2a_5 * 3	cigar, pipe, cheroot etc. is equivalent to 3 cigarettes.
<pre>egen 'cig_daily_1' = rowtotal('cigs1' 'cig_daily_1_3' 'cig_daily_1_4' 'cig_daily_1_5'), missing</pre>	Non-smokers estanoised under 0 - none
<pre>"mothers reporting no quantity inside but a127=41: replace `cig_daily_1'=. if a127=41 & `cig_daily_1'>=0</pre>	real-strokets caregorised orbit o - nove
"recode all non-unclars to 0 replace "cig_dsly_1'r0 if all/rs1 & "cig_dsly_1'rm.	Harmonized variables
*Interview 2:	
<pre>^Cigerettes/day interview 2 generate 'cig_daily_1,1*0070a replace 'cig_daily_2,1*0070a (b070b1+. 1 b070b1+0)</pre>	
"Convert cignettes/week interviewi to cignettes per day: provert "cig_dis/1100790/" replace 'cig_dis/21r : / # 0470000 # (#070a1ca / # 0477a1ca)	
egen 'cigs2' = ronmean('cig_daily_2_1' 'cig_daily_2_2')	
"Convert pipes/cherrots/cigars to cigarettes	
<pre>generate 'cig_daily_2_3'+e091e * 3 generate 'cig_daily_2_4'+e091e * 3 generate 'cig_daily_2_5'+e091e * 3</pre>	
<pre>epen 'cig_dsily_2' = rostetil('Cig2' 'cig_dsily_2.3' /// 'cig_dsily_2.4' 'cig_dsily_2.5'), missing</pre>	
"Recode mothers who have smoled since last interview but with no reported quantity smoled to missing: replace "cig_daily_2"=. if b074wd & "cig_daily_2"=00	
*recode all non-smokers to 0 replace "cim daily 2'=0 if 3074mm2 & "cim daily 2'==.	



Check and verify consistency in Online Catalogue

As noted above, information in the Online Catalogue should be filled in by the cohorts themselves. Not only is it important that information in 'description', 'variables used' and 'script syntax' are filled in, but also information across the three boxes must be consistent.

Hence, the script syntax should include the variables used and match the variable description.

Please, <u>check and verify consistency in the core variables</u> incl. non-repeated and repeated measures:

CATALOGUE USER GUIDE - COHORT DESCRIPTIONS IMPORT DATA - DATASHI	IELD - CONTACT ACCOUN			
ik to catalogue				
monitorities and an				
Description Variables used Script syntax			LifeCycle variable: Passive smoking (age	je 20 to <1 year)
smk_exp0=_ if p094==1 or p094==3 or c062==2 or c062==3 AND age at			Variable	smk_exp0
smk_exp0= 0 if p094==2 p094==4 & c062==1) (p094==. & c062==1)			Data type	Passive smoking (age ≥0 to <1year) Binary
Mup age at 3rd interview0			Values	
				0 = No 1 = Yes
Description Variables used Script syntax			Unit	
Cohort Variable Description Values	Unit Data type	Collection Dependencies	Match	
DNBC cintdato Date of	Integer	Phone	Comments	Any exposure to smoking (mother, biological father, social father, any smoker
interview		interview 3 (child 6 months		close to the child, or exposure to smoke in the home) from birth up to 1st birthday (age range ±0 to <1year)
DNBC evente Date of	Integer	old) DNBC	Harmonized variables	
birth of the index child		key file		
UNBC P094 Did you smoke 1. yes during the 2. yes, during the last part of pregnancy	Categorica	interview 3 (child 6		
		months		
last part of 3. yes, arter pregnancy pregnancy 4. no		old)		
last part of 3. yes, after pregnancy pregnancy 4. no erafter the 5. do not know birth 6. do not wish to answer		old) Fo	r this harmonizat	ion 4 sources variables are used
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Check and verify consistency in repeated measures

Check that information (in '*description*', '*source variables*' and '*script syntax*') is filled in for each time band of the repeated measures. Each time band must have information on harmonization if variables are partial.



1

Check and verify the description of partially harmonized variables

Ensure that details of why a variable is only partially harmonized should be given in detail in 'match'.

G Back to catalogue Harmonization of and , Description Variables used Script syntax LifeCycle variable: Cohabitation status of the mother (age ≥0 year and <1 year)	
Harmonization of and , Description Variables used Script syntax LifeCycle variable: Cohabitation status of the mother (size 20 year and <1 year)	
Description Variables used Script syntax LifeCycle variable: Cohabitation status of the mother (age ≥0 year and <1 year)	
Variable cohab_0 if c170 = 1, 2, 3, or 4 then cohab_0=1; if c170 = 5, 6 or 7 then cohab_0=2; Label Cohabitry of the mother (ane 20 year and <1 year)	
Laber Constructor status of the mother (ege of year and c4 year) Data type BipAny	
Values 1 = Yes, living as a couple 2 = No, not living as a couple	
Unit Match	
Comments Cohabitation status of the mother: are her and her partner living togethe couple?	r as a
"Mother's partner" can be the biological partner, a new patner or a partn the same gender. cohab_0: at birth or as near to birth as possible and within one year of b	er of
Harmonized variables	