

EU-SILC

Variables List and Syntax Checks
Logical Checks

EARLY TRANSMISSION
OF
MATERIAL DEPRIVATION VARIABLES
AND
MODULE VARIABLES

Variables List and Syntax checks

Variable	Label	Values	Flags / Imputation factor (+IF)	Not applicable if
DB010	Year of the survey	2016		
DB020	Country	COUNTRY CODE		
DB030	Household ID	ID		
DB040	Region	NUTS 13 CODE	(-1,1)	
DB050	Primary strata	1-99999	(-2,1,2,3)	
DB060	PSU-1	1-99999	(-2,1,2)	
DB061*	PSU-2	1-99999	(-2,1)	
DB062	SSU-1	1-99999	(-2,1,2)	
DB063*	SSU-2	1-99999	(-2,1)	
DB070	Order of the selection of PSU-1	1-99999	(-2,1,11,12,21,22)	
DB071*	Order of the selection of PSU-2	1-99999	(-2,1)	
DB072*	Order of the selection of SSU-1	1-99999	(-2,1)	
DB073*	Order of the selection of SSU-2	1-99999	(-2,1)	
DB075	Rotational group	1-9	(-2,1)	
DB080	Household design weight	0-99999 (5 decimals)	(-2,1)	
DB090	Household cross-sectional weight	0-99999 (5 decimals)	(1)	

Variables List and Syntax checks

Variable	Label	Values	Flags / Imputation factor (+IF)	Not applicable if
DB100	Degree of urbanisation	1-3	(-1,1)	
DB110	Household status	1-11	(1)	
DB120	Record of contact at address	(11,21,22,23)	(-2,-1,1)	DB110 not in (2,8,9)
DB130	Household questionnaire result	(11,21,22,23,24)	(-2,-1,1)	DB120 ne 11 and DB110 ne 1
DB135	Household interview acceptance	1-2	(-2,-1,1)	DB130 ne 11
RB010	Year of the survey	2016		
RB020	Country	COUNTRY CODE		
RB030	Personal ID	ID		
RB040	Current Household ID	ID		
RB050	Personal cross-sectional weight	0-99999 (5 decimals)	(1,-2)	RB110 not in (1,2,3,4)
RB070	Month of birth	1-12	(-1,1)	
RB080	Year of birth	1891-2016	(-1,1)	
RB090	Sex	1-2	(-1,1)	
RB110	Membership status	1-7	(-1,1)	
RB220	Father ID	10001-9999999999	(-2,-1,1)	
RB230	Mother ID	10001-9999999999	(-2,-1,1)	
RB245	Respondent Status	1-4	(-2,1)	
RB250	Data Status	(11,12,13,14,21,22,23,31,32,33)	(-2,1)	RB245 = 4
RL010	Education at pre-school	0-99	(-2,-1,1)	
RL020	Education at compulsory school	0-99	(-2,-1,1)	
RL030	Child care at center based services	0-99	(-2,-1,1)	
RL040	Child care at day-care center	0-99	(-2,-1,1)	
RL050	Child care by professional child-	0-99	(-2,-1,1)	
RL060	Child care by relatives etc	0-99	(-2,-1,1)	
RL070	Child care weight	0-99999 (5 decimals)	(-2,1)	
HS021	Arrears on utility bills	1-3	(-2,-1,1)	
HS031	Arrears on hire purchase instalments or other loan payments	1-3	(-2,-1,1)	
HS040	Capacity to afford paying for one week	1-2	(-1,1)	
HS050	Capacity to afford a meal with meat	1-2	(-1,1)	
HS060	Capacity to face unexpected financial	1-2	(-1,1)	

Variables List and Syntax checks

Variable	Label	Values	Flags / Imputation factor (+IF)	Not applicable if
HS070	Do you have a telephone including	1-3	(-1,1)	
HS080	Do you have a colour TV?	1-3	(-1,1)	
HS100	Do you have a washing machine?	1-3	(-1,1)	
HS110	Do you have a car?	1-3	(-1,1)	
HS120	Ability to make ends meet	1-6	(-1,1)	
HS140	Total housing cost is a financial burden	1-3	(-2,-1,1)	
HS150	Repayment of debts from hire purchases or loans are a financial burden to the household	1-3	(-2,-1,1)	
HH021	Tenure status	1-5	(-1,1)	
HH050	Ability to keep home adequately warm	1-2	(-1,1)	
PB010	Year of the survey	2016		
PB020	Country	COUNTRY CODE		
PB030	Personal ID	ID		
PB040	Personal cross-sectional weight 16+	0-99999 (5 decimals)	(1)	
PB060	Personal cross-sectional weight for	0-99999 (5 decimals)	(-3,-2,1)	
PB070	Personal design weight for selected	0-99999 (5 decimals)	(-3,-2,1)	
PB090	Day of the personal interview	1-31	(-1,1)	
PB100	Month of the personal interview	1-12	(-1,1)	
PB110	Year of the personal interview	2016-2016	(-1,1)	
PB120	Number of minutes to complete the	1-90	(-2,-1,1)	
PB130	Month of birth	1-12	(-1,1)	
PB140	Year of birth	1891-1999	(-1,1)	
PB150	Sex	1-2	(-1,1)	
PE040	Highest ISCED level attained	(0,000,100,200,300,340,342,343,344,	(-1,1)	
PL031	Self-defined current economic status	1-11	(-1,1)	
PL020	Actively looking for a job	1-2	(-2,-1,1)	(PL031 in (1,2,3,4))
PL025	Available for work	1-2	(-2,-1,1)	PL020 ne 1
PH010	General health	1-5	(-3,-1,1)	
PH020	Suffer from any chronic illness or	1-2	(-3,-1,1)	
PH030	Limitation in activities because health	1-3	(-3,-1,1)	
PH040	Unmet need for medical examination	1-2	(-3,-2,-1,1)	

Variables List and Syntax checks

Variable	Label	Values	Flags / Imputation factor (+IF)	Not applicable if
PH050	Reason for unmet need for medical	1-8	(-3,-2,-1,1)	PH040 ne 1
HD080	Replacing worn-out furniture	1-3	(-1,1)	
PD020	Replace worn-out clothes by some new (not second-hand) ones	1-3	(-3,-1,1)	
PD030	Two pairs of properly fitting shoes (including a pair of all-weather shoes)	1-3	(-3,-1,1)	
PD050	Get-together with friends/family (relatives) for a drink/meal at least once a month	1-3	(-3,-1,1)	
PD060	Regularly participate in a leisure activity such as sport, cinema, concert	1-3	(-3,-1,1)	
PD070	Spend a small amount of money each week on yourself	1-3	(-3,-1,1)	
PD080	Internet connection for personal use at home	1-3	(-3,-1,1)	
RC010	Payment for the cost of formal childcare services	1-2	(-5,-4,-1,1)	
RC020	Proportion of the cost of formal childcare services paid	(1,2,9)	(-5,-4,-2,-1,1)	RC010=2
RC030	Who pays/contributes to the cost of formal childcare services	(1,2,3,4,5,9)	(-5,-4,-2,-1,1)	(RC020=1 OR RC20=9)
HC040	Affordability of childcare services	1-6	(-5,-4,-1,1)	
HC050	Unmet needs for formal childcare services	1-2	(-5,-1,1)	
HC060	Main reason for not making (more) use of formal childcare services	1-6	(-5,-2,-1,1)	HC050=2
RC070	Payment for tuition fees	1-2	(-4,-1,1)	
RC080	Part of the tuition fees paid	(1,2,9)	(-4,-2,-1,1)	RC070=2
RC090	Who pays/ contributes to the tuition fees	(1,2,3,4,5,9)	(-4,-2,-1,1)	(RC080=1 OR RC080=9)
HC100	Affordability of formal education	1-6	(-5,-4,-1,1)	
PC110	Unmet needs for formal education	1-2	(-4,-3,-1,1)	
PC120	Main reason for non-participation in formal education	1-5	(-4,-3,-2,-1,1)	PC110=2
PC130	Participation in training related to hobbies	1-2	(-3,-1,1)	

Variables List and Syntax checks

Variable	Label	Values	Flags / Imputation factor (+IF)	Not applicable if
PC140	Participation in training related to professional activity	1-2	(-3,-1,1)	
PC150	Main reason for non-participation in training related to professional activity	1-6	(-3,-2,-1,1)	PC140=1
HC160	Use of health care services	1-2	(-1,1)	
HC170	Payment for health care services	1-2	(-2,-1,1)	HC160=2
HC180	Affordability of health care services	1-6	(-2,-1,1)	HC160=2
HC190	Presence in the household of people who need help due to long-term physical or mental ill-health, infirmity or because of old age	1-2	(-1,1)	
HC200	Professional home care received	1-2	(-2,-1,1)	HC190=2
HC210	Number of hours per week of professional home care received	1-3	(-2,-1,1)	(HC190=2 OR HC200=2)
HC220	Payment for professional home care	1-2	(-2,-1,1)	(HC190=2 OR HC200=2)
HC230	Affordability of professional home care services	1-6	(-2,-1,1)	(HC190=2 or HC200=2 or HC220=2)
HC240	Unmet needs for professional home care	1-2	(-2,-1,1)	HC190=2
HC250	Main reason for not receiving (more) professional home care services	1-5	(-2,-1,1)	(HC190=2 OR HC240=2)
PC260	Care or assistance provided	1-4	(-3,-1,1)	
PC270	Number of hours per week of care or assistance provided	1-3	(-3,-2,-1,1)	PC260=4

Logical checks

#	Error/Warning	File(s) (join on)	Where
101	Structural - Error: DB030 - Duplicate ID numbers	D	having count(DB030) > 1 grouped by DB030
102	Structural - Error: DB130 - Household data record is missing in H-file (or to drop) or DB130 not filled correctly	D,H(DB030 = HB030)	(DB130 = 11 and DB135 = 1 and HB030 = .) or (DB130 ne 11 and HB030 ne .)
103	Structural - Error: DB135 - Records are missing in R- or P-file or DB135 not filled correctly	D,R(DB030 = RHID)	DB135 = 1 having min(rb250) not in (11,12,13) grouped by RHID
104	Structural - Error: DB135 - In R- or P-file records to drop (or are missing) or DB135 not filled correctly	D,R(DB030 = RHID)	DB135 ne 1 and RB250 in (11,12,13)
120	Structural - Error: RB030 - Duplicate ID numbers	R	having count(RB030) > 1 grouped by RB030
121	Structural - Error: RB030 - Corresponding household does not exist in D-file	R,D(RHID = DB030)	DB030 = .
124	Structural - Warning: RB245 - Age and eligibility are not consistent	R	(AGE >= 16 and RB245 not in (1,2,3)) or (AGE < 16 and RB245 in (1,2,3))
125	Structural - Error: RB245 - Codes 1 and (2,3) cannot be mixed within the same household	R	RB245 in (1,2,3) having min(RB245) = 1 and max(RB245) in (2,3) grouped by RHID
126	Structural - Error: RB245 - Only one person can be selected respondent in the same household	R	RB245 = 2 having count(RB245) > 1 grouped by RHID
127	Structural - Error: RB250 - Data can be collected only from eligible persons	R	(RB250 in (11,12,13) and RB245 not in (1,2,3))
128	Structural - Error: RB250 - Personal data record is missing in P-file or RB250 not filled correctly	R,P(RB030 = PB030)	(RB250 in (11,12,13,14) and PB030 = .) or ((RB250 not in (11,12,13,14)) and PB030 ne .)
131	Structural - Warning: RB080 RB090 - Age at date of interview is -1	H,R(RHID = HB030)	floor(((HB060*100+HB050) - (RB080*100+RB070))/100) = -1
150	Structural - Error: HB030 - Duplicate ID numbers	H	having count(HB030) > 1 grouped by HB030
170	Structural - Error: PB030 - Duplicate ID numbers	P	having count(PB030) > 1 grouped by PB030
172	Structural - Error: PB130 PB140 PB150 - Birth date and sex must be equal in R- and P-file	P,R(PB030 = RB030)	(PB130 ne RB070) or (PB140 ne RB080) or (PB150 ne RB090)
	Structural - Warning: RB070 RB080 RB090 - Birth date or sex are missing	R	(RB080_F ne 1) or (RB090_F ne 1)
174	Structural - Warning: PB130 PB140 PB150 - Birth date or sex are missing	P	(PB130_F ne 1) or (PB140_F ne 1) or (PB150_F ne 1)
301	Relationship - Error: RB220 - Father is not household member or does not exist	R,R(a.RB220 = b.RB030)	a.RB220_F ge 0 and a.RHID ne b.RHID
302	Relationship - Error: RB220 - The person cannot be his own father	R	RB030 = RB220
303	Relationship - Error: RB230 - Mother is not household member or does not exist	R,R(a.RB230 = b.RB030)	a.RB230_F ge 0 and a.RHID ne b.RHID
304	Relationship - Error: RB230 - The person cannot be his own mother	R	RB030 = RB230

Logical checks

#	Error/Warning	File(s) (join on)	Where
312	Relationship - Error: RB220 - Sex of father cannot be female	R,R(a.RB220 = b.RB030)	b.RB090 = 2
313	Relationship - Error: RB230 - Sex of mother cannot be male	R,R(a.RB230 = b.RB030)	b.RB090 = 1
315	Relationship - Warning: RB230 - Child should be at least 15 years younger than its mother	R,R(a.RB230 = b.RB030)	a.RB230_F ge 0 and b.AGE - a.AGE < 15 and a.AGE ge 0 and b.AGE ge 0
800	Health - Error: PH... - selected respondent but code -3 is used	P	(PH010_F=-3 or PH020_F=-3 or PH030_F=-3 or PH040_F=-3 or PH050_F=-3) and SELRES ne 3
801	Health - Error: PH... - non-selected respondent but code -3 is not used	P	(PH010_F ne -3 or PH020_F ne -3 or PH030_F ne -3 or PH040_F ne -3 or PH050_F ne -3) and SELRES = 3
813	Status - Warning: Self defined economic status as in compulsory military service but younger than 18 or older than 55	P,R(PB030 = RB030)	((b.AGE <18 or b.AGE > 55) and PL031=9)
850	Basic Data - Error: PB060 PB070 - Non-selected respondent but flag equal 1	P	(PB060_F= 1 or PB070_F= 1) and SELRES = 3
851	Basic Data - Error: PB060 PB070 Selected respondent but flag equal -3	P	(PB060_F = -3 and PB070_F = -3) and SELRES = 2
902	Module PCxxx - Error: - selected respondent but flag -3 is used	P	(PC110_F=-3 or PC120_F=-3 or PC130_F=-3 or PC140_F=-3 or PC150_F=-3 or PC260_F=-3 or PC270_F=-3) and SELRES = 2
903	variables PDxxx - Error: - Selected respondent but flag -3 is used	P	(PD020_F=-3 or PD030_F=-3 or PD050_F=-3 or PD060_F=-3 or PD070_F=-3 or PD080_F=-3) and SELRES = 2
912	Module PCxxx - Error: - Non-selected respondent but flag -3 is not used	P	(PC110_F ne -3 or PC120_F ne -3 or PC130_F ne -3 or PC140_F ne -3 or PC150_F ne -3 or PC260_F ne -3 or PC270_F ne -3) and SELRES =3
913	Variables PDxxx - Error: - Non-selected respondent but flag -3 is not used	P	(PD020_F ne -3 or PD030_F ne -3 or PD050_F ne -3 or PD060_F ne -3 or PD070_F ne -3 or PD080_F ne -3) and SELRES =3
914	Module - Error: RC010, RC020, RC030 - flag -5 is used while person is below 12	R	(RC010_F=-5 OR RC020_F = -5 OR RC030_F = -5) AND RB080 > 2003
915	Module - Error: RC010, RC020, RC030 - flag -4 is used while person uses childcare	R	(RC010_F=-4 OR RC020_F = -4 OR RC030_F = -4) AND (RL030 >0 OR RL040 >0)
916	Module - Error: HC040 - flag -4 is used while costs of childcare in the household	H,R(a.HB030 = b.RHID)	RC010=1
917	Module - Error: HC040, HC050, HC060 - flag -5 is used while there is children 0-12 in the household	H,R(a.HB030 = b.RHID)	(b.AGE > 0 AND b.AGE<13)

Logical checks

#	Error/Warning	File(s) (join on)	Where

Variable List

Variables with * are optional (they may be mandatory for some Member States; see Regulation:
+IF: concatenate the Imputation Factor to the flag value(s)

Syntax checks - missing values

from 2008 on the % of missing (-1) is checked with the syntax checks

Logical checks - supplementary variables

Logical checks - sur AGE = age at end of income reference period

RHID, PHID = current HID

SELRES = RB245

HGROINC = sum(HY040G,HY050G,HY060G,HY070G,HY080G,HY090G,HY110G) [total gross

HNINCS = sum(HY050G,HY060G,HY070G) [social benefits]

HNETINC = HGROINC - sum(HY120G,HY130G,HY140G,0) [total net]

PGROINC =

sum(PY010G,PY021G,PY050G,PY080G,PY090G,PY100G,PY110G,PY120G,PY130G,PY140G) [total gross]

PNINCS = sum(PY090G,PY120G,PY130G,PY140G) [social benefits without old-age]

PNINCP = sum(PY100G,PY110G) [old-age]

PNETINC = PGROINC [total net]

gross = HGROINC + sum(PGROINC) by household

net20 = HNETINC + sum(PNETINC) by household

Net Income is calculated with gross values !