Variables in EUROlinkCAT Common Data Model: Mortality

Variable Name	Variable Definition and Instructions	Variable	Variable Values
		Format	
Core variable requi	red for linkage to vital statistics or mortality datal	pases and for ca	lculating age at death
L_CH_ID	Unique identifier of child	As recorded	
	A continue ID that Pales shill be a continue details	locally	
	A unique ID that links child to another database		
L_CH_DATE_B	Child's date of birth	DDMonYYYY	
	Needed to calculate age at death.		
L_CH_DATE_D	Child's date of death	DDMonYYYY	
	Needed to calculate age at death.		
Variables relating t	o linkage		
L_MATCH_TYPE	Match with vital statistics database (or local health	Numeric	1 = Linked to national/vital statistics
	care databases)		database – match 2 = Linked to national/vital statistics
			database – non-match
			3 = Linked to mortality database only –
			match
			4 = Linked to mortality database only –
			non-match
			5 = EUROCAT death only

Variable Name	Variable Definition and Instructions	Variable	Variable Values
		Format	
L_CONFIDENCE	Strength of match with vital statistics or health care	Numeric	1=Excellent
	database.		2=Good
	l.,		3=Fair
	Use local data provider's codes for assessing confidence that the case is correctly matched. If local		4=Poor
	code unavailable, use suggested coding (see		9=Not Matched
	Appendix for full details)		
L_DATE_LOST	Date lost to follow-up/ linkage (i.e. due to	DDMonYYYY	.=Not recorded by registry or not
	emigration, adoption or other reason)		available for study
L_YEAR_LOST	Year lost to follow-up/ linkage (i.e. due to	YYYY	.=Not recorded by registry or not
	emigration, adoption or other reason)		available for study
L_AGEL_D	Age lost to follow-up/ linkage in complete days	Numeric (1-4	.=Not recorded by registry or not
		digits)	available for study
Standardised varia	bles relating to child		
L_CH_YEAR_B	Child's year of birth	YYYY	
L_CH_SEX	Child's sex	Numeric	1 = Male
			2 = Female
			3=Indeterminate 9 = Not known
			.=Not recorded by registry or not
			available for study
L_CH_REG_TYPE	Type of birth/ civil registration of baby	Numeric	1 = Livebirth
			2 = Stillbirth
			9 = Not known
			.=Not recorded by registry or not
			available for study
L_CH_NON_EUR	Citizenship/ Nationality of infant /country of origin	Numeric	1= National
			2= Other European
			3 = Non-European

Variable Name	Variable Definition and Instructions	Variable	Variable Values
		Format	
			4= Non-national (exact nationality not
			specified)
			9 = Not known
			. = Not recorded by registry or not
I CII DW	Child's hinth weight (greens)	Numeric	available for study 9999=Not known
L_CH_BW	Child's birthweight (grams)	Numeric	.=Not recorded by registry or not
			available for study
L CH GA B	Child's gestational age at birth (completed weeks)	Numeric	99=Not known
L_CII_GA_B	cinia s gestational age at sintil (completed weeks)	Numeric	.=Not recorded by registry or not
			available for study
Variables relating t	o mortality		
L_CH_STATUS	Outcome status	Numeric	1 = Died
	-Died = child is known to have died before 10th		2 = Alive at 10 th birthday
	birthday or 31 Dec 2015 (whichever earlier)		3 = Censored on 31st Dec 2015
			4 = Lost to follow up
	-Alive at 10th birthday = child was born on or before		
	the 31st Dec 2005 and:		
	(i) is definitively known to be alive on 10th birthday;		
	or (ii) there is no information on death or lost to		
	follow-up		
	- Censored on 31st Dec 2015 = child was born on or		
	after 1st Jan 2006 and:		
	(i) is definitively known to be alive on 31st Dec 2015;		
	or (ii) there is no information on death or lost to		
	follow-up		
	-Lost to follow up = child is lost to follow-up/ linkage		
	(i.e. due to emigration, adoption or other reason)		

Variable Name	Variable Definition and Instructions	Variable	Variable Values
		Format	
L_EXIT_DATE	Date of last day in study (censored/lost/died/alive)	DDMonYYYY	
	- Date lost - if child was lost to follow up		
	- Date of death - if child has died		
	- Date of birth plus 3652 days (approx. 10th birthday) if child was born on or before the 31st Dec 2005 and:		
	(i) is definitively known to be alive on 10th birthday; or (ii) there is no information on death or lost to follow-up		
	- Date of last day of the study (31st Dec 2015) if child was born on or after 1st Jan 2006 and:		
	(i) is definitively known to be alive on 31st Dec 2015; or (ii) there is no information on death or lost to follow-up		
L EXIT DAYS	Number of days child is in study	Numeric (1-4	
	, ,	digits)	
	This is calculated as the last date child was in the		
	study (L_EXIT_DATE) minus the child's birth date (L CH DATE B).		
L_CH_YEAR_D	Year of child's death as recorded on the death certificate	YYYY	
L_CH_AGED_H	Age at death in complete hours for day 0 (first 24	Numeric	0 = Died <1 hour after birth
	hours) = applies to infants who died within the first	(1 2 dicita)	1 = Died 1 complete hour after birth
	24 hours	(1-2 digits)	2 = Died 2 complete hours after birth Etc.
	This variable can be used to check values recorded under variable L_CH_AGED_D.		23 = Died 23 complete hours after birth 88 = Alive at 24 hours 99 = Died within first 24 hours, but exact time unknown
	A child who died within 24 hours but across two		exact unie unknown
	dates is coded "0" on L_CH_AGED_D below.		

Variable Name	Variable Definition and Instructions	Variable Format	Variable Values
		Tomat	
L_CH_AGED_D	Age at death in complete days (up to 10 th birthday). A calculated field using the difference between date of death and death of birth i.e. subtract child's date of birth from child's date of death.	Numeric (1-4 digits)	0 = died <24 hours after birth 1 = died 1 complete day after birth 2 = died 2 complete days after birth Etc. 8888 = Alive on 10th birthday or by end of study period, whichever is sooner 9999 = Died before 10th birthday, but exact time unknown
L_CAUSE_D_U	Underlying cause of death - diagnosis There can only be one underlying cause of death	String	ICD9 or ICD10 code
L_CAUSE_D_P	Primary/ immediate cause of death - diagnosis	String	ICD9 or ICD10 code
L_CAUSE_D_C	Contributing cause of death - diagnosis	String	ICD9 or ICD10 code
L_CAUSE_D_O1	Other causes of death- diagnosis 1	String	ICD9 or ICD10 code
L_CAUSE_D_O2	Other causes of death- diagnosis 2	String	ICD9 or ICD10 code
L_CAUSE_D_O3	Other causes of death- diagnosis 3	String	ICD9 or ICD10 code
L_CAUSE_D_O4	Other causes of death- diagnosis 4	String	ICD9 or ICD10 code
L_CAUSE_D_O5	Other causes of death- diagnosis 5 Additional "Other causes of death" can be recorded in variables L_CAUSE_D_O6 to L_CAUSE_D_15 (not listed)	String	ICD9 or ICD10 code
L_CH_PLACE_D	Place of death	Numeric	1 = Home 2 = Hospital 3 = Other 9 = Not known .=Not recorded by registry or not available for study

Variable Name	Variable Definition and Instructions	Variable Format	Variable Values
Variables relating	to mother	•	
L_MAT_YEAR_B	Maternal year of birth	YYYY	99 = Not known . = Not recorded by registry or not available for study
L_MATAGE_B	Maternal age at infant's birth in completed years May be used to link information held on the child in local health care databases	Numeric	99=Not known .=Not recorded by registry or not available for study
L_MULT_BIRTH	Singleton or multiple birth	Numeric	1=Singleton 2=Twins 3=Triplets or higher 4= Multiple birth, number unknown 9= Not known . =Not recorded by registry or not available for study
L_MAT_CTRY_B	Maternal country of birth/ place of birth/ country of origin	Numeric	1= National 2= Other European 3 = Non-European 4= Non-national (exact nationality not specified) 9 = Not known .=Not recorded by registry or not available for study
L_MAT_BMI	Maternal Body Mass Index (BMI) at first antenatal visit/at booking Expected range 15 – 50	Numeric (Whole number only)	Exact BMI value 97 = <30 98 = >=30 99 = Not known .=Not recorded by registry or not available for study
L_MAT_EDUC	Maternal education	Numeric	1 = Pre-primary /Primary 2 = Any secondary 3 = Postsecondary (non-tertiary)

Supplemental material

Community	Variable Name	Variable Definition and Instructions	Variable	Variable Values
Education (ISCED)) 5=No education 9 = Not known . = Not recorded by registry or not available for study L_MAT_OCC Maternal occupation (Based on Paris (INSERM) coding classification) Mumeric 1= Farmer 2= Artisan (ex: baker) / shop-owner 3= Professional 4= Intermediate 5= Administrative/public service 6= Business employees: shop assistants/ salesperson 7= Household and personal service 8= Skilled manual worker 0= No occupation declared / student 99= Not known . =Not recorded by registry or not available for study L_MATDEPR_IND Deprivation index at maternal residence Multiple deprivations scores are ranked into quintiles where 1= Least deprived and 5 = Most deprived (coding scheme used in Wales & Basque Country) L_PROXY_SES Proxy variable for SES Proxy variable for SES Numeric 1= First quintile 4 = Fourth quintile 5 = Fifth quintile (Most deprived) 9 = Not known . =Not recorded by registry or not available for study 1 = First quintile (Most deprived) 9 = Not known . =Not recorded by registry or not available for study 1 = First quintile (Most deprived) 9 = Not known . =Not recorded by registry or not available for study 1 = First quintile (Most deprived) 9 = Not known . = Not recorded by registry or not available for study 1 = First quintile (Most deprived) 9 = Not known . = Not recorded by registry or not available for study 1 = First quintile (Most deprived) 9 = Not known . = Not recorded by registry or not			Format	
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, 9 ,		Tanada ta cadi region y.		
		Maternal education:		available for study
Tertiary/ post-secondary=High		Tertiary/ post-secondary=High		·
Any secondary = Middle		Any secondary = Middle		

Variable Name	Variable Definition and Instructions	Variable	Variable Values
		Format	
	Primary/ pre-primary/ No education = Low		
	1 Timary, pre primary, No cadeaton Low		
	Maternal occupation:		
	Professional = High		
	Intermediate= Middle		
	No occupation = Low		
	Multiple Deprivation Index		
	Quintile 1 (Least deprived)=High		
	Quintiles 2-4= Middle		
	 Quintile 5 (Most deprived)= Low 		
L_MATMAR_STA	Maternal marital status	Numeric	1 = Single
			2 = Married/ Living together
			3 = Widow
			4 = Divorced/ Separated
			9 = Not known
			. =Not recorded by registry or not available for study
Recoded variables			available for study
Necoueu variables			
Yeargp	Grouped year of birth	Numeric	1 = 1995-2004
	1995/2004=1		2 = 2005-2014
	2005/2014 =2		
BMI_gp	Grouped BMI	Numeric	1 = <30
	DAM 440 and a confusion		2 = 30+
	BMI <10, code as unknown		9 = unknown
	BMI >60, code as unknown Blank or missing, code as unknown		
BW gp	Grouped Birthweight	Numeric	1= <1000g
pw_gb	Grouped Birtifweight	Numeric	2 = 1000-1499g
	BW <400g, code as unknown		3 = 1500-2499g
	BW >7000g, code as unknown		4 = 2500-3999g
	Blank or missing, code as unknown		5 = 4000+ g
			9 = unknown
GA_gp	Grouped Gestational age	Numeric	1 = 24-27weeks
			2 = 28-31 weeks

Variable Name	Variable Definition and Instructions	Variable	Variable Values
		Format	
	GA <24 weeks, excluded from study		3= 32-36 weeks
	GA >45 weeks, code as unknown		4 = 37+ weeks
	Blank or missing, code as unknown		9 = unknown
GA_disc_gp	Grouped Gestational age at discovery	Numeric	1= <22 weeks
			2 = 22-31 weeks
	GA at discovery <8 weeks, code as unknown		3 = 32+ weeks
	GA at discovery >42 weeks, code as unknown		9 = unknown
	Blank or missing, code as unknown		
matage_gp	Grouped Maternal age at infant's birth	Numeric	1= <20 years
			2= 20-34 years
	Maternal age range		3= 35+ years
	10-19 years, code =1		9=Not known
	20-34 years, code=2		
	35-59 years, code=3		
	All other values, blanks or missing, code=9		