Born in Bradford Data Dictionary

Eclipse neonatal data

Contents

Background

This document is a data dictionary for Eclipse neonatal data. It describes 27 variables from 1 source. This document was built from Born in Bradford database version BUILD-JAN2018.

Born in Bradford

Born in Bradford is a longitudinal multi-ethnic birth cohort study aiming to examine the impact of environmental, psychological and genetic factors on maternal and child health and wellbeing. Bradford is a city in the North of England with high levels of socio-economic deprivation and ethnic diversity. Women were recruited at the Bradford Royal Infirmary at 26-28 weeks gestation. For those consenting, a baseline questionnaire was completed. The full BiB cohort recruited 12,453 women and 3353 of their partners across 13,776 pregnancies and 13,858 children between 2007 and 2010. The cohort is broadly characteristic of the city's maternal population. Mean age of the mothers at study recruitment was 27 years old. Researchers are looking at the links between the circumstances of a child's birth, the context in which they grow up, their health and well-being and their educational progress. Ethical approval for the data collection was granted by Bradford Research Ethics Committee (Ref 07/H1302/112).

Study identifiers

Study identifiers are standardised across Born in Bradford data sources to enable linking of data from different sources.

Variable	Variable Label	Details
ChildID	BiB Child ID	Unique ID assigned to each child at birth. Where birth outcome is unknown for a given pregnancy, ChlidID will be blank and there is no child recruited to the study from that pregnancy. Use MotherID with ChildID to link siblings together. Note that twins have separate ChildIDs but the same PregnancyID.
FatherID	BiB Father ID	Unique ID assigned to partners post-recruitment. Use FatherID with PregnancyID to link fathers across pregnancies. Where FatherID matches across two PregnancyIDs, but those PregnancyIDs are associated with different MotherIDs, this is a father with two separate pregnancies in the cohort with different mothers. Likewise, where MotherID matches across two PregnancyIDs, but those PregnancyIDs are associated with different FatherIDs, this is a mother with two separate pregnancies in the cohort with different fathers.
MotherID	BiB Mother ID	Unique ID assigned to each mother post-recruitment. MotherID should be used when looking for pregnancies or children associated with the same mother. Data collected at pregnancy level will duplicate for MotherIDs that are in the study for more than one pregnancy.
PregnancyID	BiB Pregnancy ID	Unique ID assigned to each mother at recruitment. It is named PregnancyID because a mother can enrol for more than one pregnancy. If a mother returns to enrol for a second or third pregnancy, she is assigned a new PregnancyID. Children and partners from that pregnancy can be linked to the mother by the PregnancyID

eClipse Baby Measures

Database ID for source: `eclbby`

This source is measured at the **child** level. It contains data from 13525 children with one observation per child. There are 27 variables with a total of 13525 observations.

Description

eClipse maternity electronic record: baby measures

Variable	Variable Label	Details
eclabdcirc	Abdominal circumference (cm)	Routine Healthcare: Continuous value
		Range 3.1 to 53.5 Mean 31.19 11686 non-missing values
eclapgar1m	APGAR at 1 minute	Routine Healthcare: Integer value
		Range 0 to 10 Mean 8.47 13285 non-missing values
eclapgar5m	APGAR at 5 minutes	Routine Healthcare: Integer value
		Range 0 to 10 Mean 9.05 13272 non-missing values
eclbabysex	Sex of baby	Routine Healthcare: Categorical value
		13525 non-missing values
		Coding [`eclbbyeclbabysex`]: 1 = Male 2 = Female
eclbirthwt	Birth weight (g)	Routine Healthcare: Integer value
		Range 480 to 5800 Mean 3205.46 13524 non-missing values

Variable	Variable Label	Details
eclbrtasst	Assistance during birth	Routine Healthcare: Categorical value
		13515 non-missing values
		Coding [eclbbyeclbrtasst]: 1 = None 2 = Forceps 3 = Ventouse 4 = Forceps and ventouse
eclbrthocm	Outcome of birth	Routine Healthcare: Categorical value
		13525 non-missing values
		Coding [eclbbyeclbrthocm]: 1 = Livebirth 2 = Stillbirth
eclbrthord	Birth order	Routine Healthcare: Integer value
		Range 1 to 3 Mean 1.01 13525 non-missing values
eclbrtpres	Presentation at birth	Routine Healthcare: Categorical value
		13525 non-missing values
		Coding [eclbbyeclbrtpres]: 1 = Cephalic 2 = Cephalic brow 3 = Cephalic face 4 = Cephalic vertex 5 = Breech 6 = Breech extended 7 = Breech flexed 8 = Breech footling 9 = Breech frank 10 = Breech dorso-anterior 11 = Breech complete 12 = Compound 13 = Oblique 14 = Transverse 15 = Unknown
eclheadcir	Head circumference (cm)	Routine Healthcare: Continuous value
		Range 20.9 to 43 Mean 34.20 12372 non-missing values

Variable	Variable Label	Details
ecllgaukwho	Large for gestational age (>90th centile)	Derived: Categorical value
		Large for gestational age is Yes if birthweight is above 90th percentile on UK WHO fetal growth charts for sex and gestational week at birth. Only calculated for singletons, missing for multiple births.
		13194 non-missing values
		Coding [eclbbyyesno]: 0 = No 1 = Yes
eclmidarmc	Mid-arm circumference (cm)	Routine Healthcare: Continuous value
		Range 2 to 32.5 Mean 10.65 11668 non-missing values
eclrtbirth	Route of birth	Routine Healthcare: Categorical value
		13525 non-missing values
		Coding [eclbbyeclrtbirth]: 1 = Vaginal 2 = Caesarean
eclrupbrth	Time from membrane rupture to birth	Routine Healthcare: Text value
		1947 unique values 13525 non-missing values
eclsdystoc	Shoulder dystocia	Routine Healthcare: Categorical value
		12419 non-missing values
		Coding [eclbbyyesno]: 0 = No 1 = Yes

Variable	Variable Label	Details
eclsgaukwho	Small for gestational age (<10th centile)	Derived: Categorical value
		Small for gestational age is Yes if birthweight is below 10th percentile on UK WHO fetal growth charts for sex and gestational week at birth. Only calculated for singletons, missing for multiple births.
		13194 non-missing values
		Coding [eclbbyyesno]: 0 = No 1 = Yes
eclsubscap	Subscapular skinfold thickness (cm)	Routine Healthcare: Continuous value
		Range 0.8 to 10.4 Mean 4.72 9230 non-missing values
ecltmpbrth	Temperature at birth	Routine Healthcare: Continuous value
		Range 3.7 to 39.9 Mean 36.86 11632 non-missing values
ecltriceps	Triceps skinfold thickness (cm)	Routine Healthcare: Continuous value
		Range 1.2 to 10.8 Mean 5.08 9257 non-missing values
eclvitk1st	Vitamin K first dose	Routine Healthcare: Text value
		43 unique values 13525 non-missing values
eclvitkcon	Vitamin K consent	Routine Healthcare: Categorical value
		13348 non-missing values
		Coding [eclbbyeclvitkcon]: 0 = Not indicated 1 = Consent declined 2 = Consent obtained 3 = Given with consent 4 = Given without consent in an emergency 5 = Offer being considered

Variable	Variable Label	Details
flgabdcirc	Abdominal circ. flag	Routine Healthcare: Categorical value
		Flag variables indicate a value was changed during QC
		11689 non-missing values
		Coding [`eclbbyflaglbl`]: 1 = Value checked and is correct 2 = Value was incorrect and has been changed 3 = Value cannot be verified 4 = Value not checked
flgbirthwt	Birth weight flag	Routine Healthcare: Categorical value
		Flag variables indicate a value was changed during QC
		50 non-missing values
		Coding [`eclbbyflaglbl`]: 1 = Value checked and is correct 2 = Value was incorrect and has been changed 3 = Value cannot be verified 4 = Value not checked
flgheadcir	Head circ. flag	Routine Healthcare: Categorical value
		Flag variables indicate a value was changed during QC
		129 non-missing values
		Coding [`eclbbyflaglbl`]: 1 = Value checked and is correct 2 = Value was incorrect and has been changed 3 = Value cannot be verified 4 = Value not checked
flgmidarmc	Midarm circ. flag	Routine Healthcare: Categorical value
		Flag variables indicate a value was changed during QC
		149 non-missing values
		Coding [`eclbbyflaglbl`]: 1 = Value checked and is correct 2 = Value was incorrect and has been changed 3 = Value cannot be verified 4 = Value not checked

Variable	Variable Label	Details
flgsubscap	Subscap. skinfold thickness flag	Routine Healthcare: Categorical value
		Flag variables indicate a value was changed during QC
		86 non-missing values
		Coding [`eclbbyflaglbl`]: 1 = Value checked and is correct 2 = Value was incorrect and has been changed 3 = Value cannot be verified 4 = Value not checked
flgtricep	Tricep skinfold thickness flag	Routine Healthcare: Categorical value
		Flag variables indicate a value was changed during QC
		67 non-missing values
		Coding [`eclbbyflaglbl`]: 1 = Value checked and is correct 2 = Value was incorrect and has been changed 3 = Value cannot be verified 4 = Value not checked