Born in Bradford Data Dictionary

All Sources Child Growth Data

Contents

Background

This document is a data dictionary for All Sources Child Growth Data. It describes 21 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

Child Growth Combined Sources

Database ID for source: `chgcom`

This source is measured at the **child** level. It contains data from 13805 children with more than one observation per child. There are 21 variables with a total of 124012 observations.

Description

Child growth/anthropometry data from all sources. This combines eClipse (birth) record, primary care, health visitors, NCMP and other school measures, and BiB1000.

Variable	Variable Label	Details
agecm_cgrowth	Child age in months at child growth measure	Administrative: Integer value
		Child age in months at child growth measure
		Range 0 to 88 Mean 16.30 124012 non-missing values 13805 children with between 1 and 55 observations each
agecy_cgrowth	Child age in years at child growth measure	Administrative: Integer value
		Child age in years at child growth measure
		Range 0 to 7 Mean 1.06 124012 non-missing values 13805 children with between 1 and 55 observations each
cabdo	Child Abdominal circumference (cm)	Compound: Continuous value
		Child Abdominal circumference (cm)
		Range 22.5 to 67.5 Mean 40.05 26133 non-missing values 13805 children with between 1 and 10 observations each
cbmi	Child BMI derived as weight/squared(height)	Derived: Continuous value
		Child BMI derived as weight/squared(height)
		Range 7.01531 to 31.6852 Mean 15.68 61602 non-missing values 13805 children with between 1 and 26 observations each

Variable	Variable Label	Details
cgrowthsource	Source of child growth measure	Derived: Categorical value
		Source of child growth measure
		124012 non-missing values 13805 children with between 1 and 55 observations each
		Coding [chgcomcgrowthsource]: 1 = eClipse 2 = BiB1000-06m 3 = BiB1000-12m 4 = BiB1000-18m 5 = BiB1000-24m 6 = BiB1000-36m 7 = Primary Care 8 = Child Health Record 9 = NCMP 10 = School Nurse
chead	Child Head circumference (cm)	Compound: Continuous value
		Child Head circumference (cm)
		Range 27.5 to 58 Mean 40.98 32814 non-missing values 13805 children with between 1 and 9 observations each
cheight	Child Height (cm)	Compound: Continuous value
		Child Height (cm)
		Range 42 to 137 Mean 76.51 62934 non-missing values 13805 children with between 1 and 27 observations each
cmidarm	Child Midarm circumference (cm)	Compound: Continuous value
		Child Midarm circumference (cm)
		Range 6.2 to 15 Mean 10.66 11622 non-missing values 13805 children with between 1 and 1 observations each

Variable	Variable Label	Details
csubscap	Child Subscapular skinfold thickness (cm)	Compound: Continuous value ——————— Child Subscapular skinfold thickness (cm) ——————— Range 2 to 24 Mean 6.69 11107 non-missing values 13805 children with between 1 and 6 observations each
cthigh	Child Thigh skinfold (mm)	Compound: Continuous value ——————— Child Thigh skinfold (mm) ——————— Range 3.7 to 41.6 Mean 18.87 4372 non-missing values 13805 children with between 1 and 5 observations each
ctriceps	Child Triceps skinfold thickness (cm)	Compound: Continuous value ——————— Child Triceps skinfold thickness (cm) ——————— Range 1.2 to 28.2 Mean 10.57 11500 non-missing values 13805 children with between 1 and 6 observations each
cweight	Child Weight (kg)	Compound: Continuous value ——————— Child Weight (kg) ——————— Range 0.27 to 44.5 Mean 8.61 100926 non-missing values 13805 children with between 1 and 52 observations each
czbmiuk90	Child BMI-for-age z score (UK1990)	Derived: Continuous value ——————— Child BMI-for-age z score (UK1990) ——————— Range -9.99324 to 5.7536 Mean -0.40 61602 non-missing values 13805 children with between 1 and 26 observations each

Variable	Variable Label	Details
czbmiwho06	Child BMI-for-age z score (WHO2006)	Derived: Continuous value ———————— Child BMI-for-age z score (WHO2006) ———————— Range -6.28 to 8.65 Mean -0.09 58404 non-missing values 13805 children with between 1 and 25 observations each
czheiuk90	Child height-for-age z score (UK1990)	Derived: Continuous value ———————— Child height-for-age z score (UK1990) ———————— Range -7.55338 to 5.26373 Mean -0.08 62934 non-missing values 13805 children with between 1 and 27 observations each
czheiwho06	Child height-for-age z score (WHO2006)	Derived: Continuous value ———————— Child height-for-age z score (WHO2006) ———————— Range -8.03 to 5.56 Mean -0.15 59614 non-missing values 13805 children with between 1 and 27 observations each
czweiuk90	Child weight-for-age z score (UK1990)	Derived: Continuous value ———————— Child weight-for-age z score (UK1990) ———————— Range -8.51531 to 5.94055 Mean -0.45 100926 non-missing values 13805 children with between 1 and 52 observations each
czweiwho06	Child weight-for-age z score (WHO2006)	Derived: Continuous value ———————— Child weight-for-age z score (WHO2006) ———————— Range -7.98 to 5.42 Mean -0.26 97246 non-missing values 13805 children with between 1 and 51 observations each

Variable	Variable Label	Details
date_cgrowth	Date of child growth measure	Derived: Date value
		Date of child growth measure
		Range 2007-04-10 to 2015-06-11 124012 non-missing values 13805 children with between 1 and 55 observations each
day_cgrowth	BiB Day of child growth measure	Derived: Integer value
		BiB Day of child growth measure
		Range 32 to 3016 Mean 1199.72 124012 non-missing values 13805 children with between 1 and 55 observations each
dayc_cgrowth	Child cohort day (age in days) at child growth measure	Derived: Integer value
		Child cohort day (age in days) at child growth measure
		Range 0 to 2709 Mean 509.57 124012 non-missing values 13805 children with between 1 and 55 observations each