

Born in Bradford Data Dictionary

Healthcare Record Child Growth Data

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Background

This document is a data dictionary for Healthcare Record Child Growth Data. It describes 74 variables from 7 sources. This document was built from Born in Bradford database version RELEASE-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, ChildID 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 Health Record Anthropometry

Database ID for source: `chachr`

This source is measured at the **child** level. It contains data from 12042 children with more than one observation per child. There are 7 variables with a total of 30135 observations. 3 variables are sensitive or potentially disclosive and will be hidden from standard data packages. These are marked as *Hidden*, below.

Description

Child anthropometry from the child health record (health visitors)

Variable	Variable Label	Details
agecm_chachr	Child age (months): Child Health Record Anthropometry	Administrative: Integer value Child age in months at data capture date for source: Child Health Record Anthropometry Range 0 to 52 Mean 4.06 30135 non-missing values 12042 children with between 1 and 9 observations each
agecy_chachr	Child age (years): Child Health Record Anthropometry	Administrative: Integer value Child age in years at data capture date for source: Child Health Record Anthropometry Range 0 to 4 Mean 0.07 30135 non-missing values 12042 children with between 1 and 9 observations each
chachrabdo	Child's abdominal circumference (cm)	Routine Healthcare: Continuous value Child's abdominal circumference (cm) Range 22.5 to 61 Mean 38.71 20939 non-missing values 12042 children with between 1 and 9 observations each
chachrhead	Child's head circumference (cm)	Routine Healthcare: Continuous value Child's head circumference (cm) Range 27.5 to 53.2 Mean 39.80 27454 non-missing values 12042 children with between 1 and 6 observations each

Variable	Variable Label	Details
date_chachr	Date: Child Health Record Anthropometry	<p><i>[Hidden]</i> Administrative: Date value</p> <hr/> <p>Data capture date for source: Child Health Record Anthropometry</p> <hr/> <p>Range 2007-05-14 to 2012-07-18 30135 non-missing values 12042 children with between 1 and 9 observations each</p>
day_chachr	BiB day: Child Health Record Anthropometry	<p><i>[Hidden]</i> Administrative: Integer value</p> <hr/> <p>Data capture date in days from BiB start for source: Child Health Record Anthropometry</p> <hr/> <p>Range 66 to 1958 Mean 842.67 30135 non-missing values 12042 children with between 1 and 9 observations each</p>
dayc_chachr	Child cohort days: Child Health Record Anthropometry	<p><i>[Hidden]</i> Administrative: Integer value</p> <hr/> <p>Child days from cohort start (Birth) to data capture date for source: Child Health Record Anthropometry</p> <hr/> <p>Range 0 to 1590 Mean 139.17 30135 non-missing values 12042 children with between 1 and 9 observations each</p>

eClipse anthropometry

Database ID for source: chaec1

This source is measured at the **child** level. It contains data from 12684 children with one observation per child. There are 10 variables with a total of 12684 observations. 3 variables are sensitive or potentially disclosive and will be hidden from standard data packages. These are marked as *Hidden*, below.

Description

Child anthropometry from birth record (eClipse)

Variable	Variable Label	Details
agecm_chaecl	Child age (months): eClipse anthropometry	Administrative: Integer value <hr/> Child age in months at data capture date for source: eClipse anthropometry <hr/> Range 0 to 0 Mean 0.00 12684 non-missing values
agecy_chaecl	Child age (years): eClipse anthropometry	Administrative: Integer value <hr/> Child age in years at data capture date for source: eClipse anthropometry <hr/> Range 0 to 0 Mean 0.00 12684 non-missing values
chaeclabdo	Child's abdominal circumference (cm)	Routine Healthcare: Continuous value <hr/> Child's abdominal circumference (cm) <hr/> Range 20 to 43.5 Mean 31.21 11659 non-missing values
chaechead	Child's head circumference (cm)	Routine Healthcare: Continuous value <hr/> Child's head circumference (cm) <hr/> Range 26.8 to 43 Mean 34.23 12322 non-missing values

Variable	Variable Label	Details
chaeclmidarm	Mid-arm circumference (cm)	Routine Healthcare: Continuous value <hr/> Mid-arm circumference (cm) <hr/> Range 6.2 to 15 Mean 10.66 11622 non-missing values
chaeclsubscap	Child's subscapular skinfold (mm)	Routine Healthcare: Continuous value <hr/> Child's subscapular skinfold (mm) <hr/> Range 0.8 to 9.2 Mean 4.71 9203 non-missing values
chaecltriceps	Child's triceps skinfold (mm)	Routine Healthcare: Continuous value <hr/> Child's triceps skinfold (mm) <hr/> Range 1.2 to 9.2 Mean 5.08 9244 non-missing values
date_chaecl	Date: eClipse anthropometry	<i>[Hidden]</i> Administrative: Date value <hr/> Data capture date for source: eClipse anthropometry <hr/> Range 2007-04-21 to 2011-06-02 12684 non-missing values
day_chaecl	BiB day: eClipse anthropometry	<i>[Hidden]</i> Administrative: Integer value <hr/> Data capture date in days from BiB start for source: eClipse anthropometry <hr/> Range 43 to 1546 Mean 751.66 12684 non-missing values
dayc_chaecl	Child cohort days: eClipse anthropometry	<i>[Hidden]</i> Administrative: Integer value <hr/> Child days from cohort start (Birth) to data capture date for source: eClipse anthropometry <hr/> Range 0 to 0 Mean 0.00 12684 non-missing values

Child Anthropometry: school measures

Database ID for source: chasch

This source is measured at the **child** level. It contains data from 6965 children with one observation per child. There are 7 variables with a total of 6965 observations. 3 variables are sensitive or potentially disclosive and will be hidden from standard data packages. These are marked as *Hidden*, below.

Description

Additional child anthropometry from school nurses

Variable	Variable Label	Details
agecm_chasch	Child age (months): Child Anthropometry: school measures	Administrative: Integer value Child age in months at data capture date for source: Child Anthropometry: school measures Range 53 to 70 Mean 60.81 6965 non-missing values
agecy_chasch	Child age (years): Child Anthropometry: school measures	Administrative: Integer value Child age in years at data capture date for source: Child Anthropometry: school measures Range 4 to 5 Mean 4.61 6965 non-missing values
chaschsubscap	Child's subscapular skinfold (mm)	Routine Healthcare: Continuous value Child's subscapular skinfold (mm) Range 2 to 24 Mean 6.29 6888 non-missing values
chaschtriceps	Child's triceps skinfold (mm)	Routine Healthcare: Continuous value Child's triceps skinfold (mm) Range 1.2 to 25.4 Mean 10.04 6962 non-missing values

Variable	Variable Label	Details
date_chasch	Date: Child Anthropometry: school measures	<p><i>[Hidden]</i> Administrative: Date value</p> <hr/> <p>Data capture date for source: Child Anthropometry: school measures</p> <hr/> <p>Range 2013-02-15 to 2015-06-11 6965 non-missing values</p>
day_chasch	BiB day: Child Anthropometry: school measures	<p><i>[Hidden]</i> Administrative: Integer value</p> <hr/> <p>Data capture date in days from BiB start for source: Child Anthropometry: school measures</p> <hr/> <p>Range 2170 to 3016 Mean 2584.39 6965 non-missing values</p>
dayc_chasch	Child cohort days: Child Anthropometry: school measures	<p><i>[Hidden]</i> Administrative: Integer value</p> <hr/> <p>Child days from cohort start (Birth) to data capture date for source: Child Anthropometry: school measures</p> <hr/> <p>Range 1621 to 2137 Mean 1864.67 6965 non-missing values</p>

Child Health Record Growth

Database ID for source: chgchr

This source is measured at the **child** level. It contains data from 12026 children with more than one observation per child. There are 14 variables with a total of 47521 observations. 3 variables are sensitive or potentially disclosive and will be hidden from standard data packages. These are marked as *Hidden*, below.

Description

Height and weight measures from the child health record (health visitors)

Variable	Variable Label	Details
agecm_chgchr	Child age (months): Child Health Record Growth	Administrative: Integer value Child age in months at data capture date for source: Child Health Record Growth Range 0 to 73 Mean 12.80 47521 non-missing values 12026 children with between 1 and 43 observations each
agecy_chgchr	Child age (years): Child Health Record Growth	Administrative: Integer value Child age in years at data capture date for source: Child Health Record Growth Range 0 to 6 Mean 0.76 47521 non-missing values 12026 children with between 1 and 43 observations each
chgchr_zbmiuk90	BMI SDS - UK1990	Derived: Continuous value BMI SDS - UK1990 Range -9.52708 to 5.7536 Mean -0.49 26070 non-missing values 12026 children with between 1 and 15 observations each
chgchr_zbmiwho06	BMI SDS - WHO 2006	Derived: Continuous value BMI SDS - WHO 2006 Range -6.28 to 8.65 Mean -0.12 25738 non-missing values 12026 children with between 1 and 15 observations each

Variable	Variable Label	Details
chgchr_zheiuk90	Height SDS - UK1990	Derived: Continuous value Height SDS - UK1990 Range -7.55338 to 5.03709 Mean -0.25 26608 non-missing values 12026 children with between 1 and 16 observations each
chgchr_zheiwho06	Height SDS - WHO 2006	Derived: Continuous value Height SDS - WHO 2006 Range -8.03 to 4.91 Mean -0.31 26241 non-missing values 12026 children with between 1 and 16 observations each
chgchr_zweiuk90	Weight SDS - UK1990	Derived: Continuous value Weight SDS - UK1990 Range -8.26226 to 5.94055 Mean -0.54 46983 non-missing values 12026 children with between 1 and 43 observations each
chgchr_zweiwho06	Weight SDS - WHO 2006	Derived: Continuous value Weight SDS - WHO 2006 Range -7.14 to 5.42 Mean -0.35 46561 non-missing values 12026 children with between 1 and 43 observations each
chgchrBMI	BMI	Derived: Continuous value BMI Range 7.01531 to 31.6852 Mean 15.51 26070 non-missing values 12026 children with between 1 and 15 observations each

Variable	Variable Label	Details
chgchrheight	Height (cm)	Routine Healthcare: Continuous value Height (cm) Range 42 to 137 Mean 72.76 26608 non-missing values 12026 children with between 1 and 16 observations each
chgchrweight	Weight (kg)	Routine Healthcare: Continuous value Weight (kg) Range 0.85 to 35.9 Mean 8.33 46983 non-missing values 12026 children with between 1 and 43 observations each
date_chgchr	Date: Child Health Record Growth	<i>[Hidden]</i> Administrative: Date value Data capture date for source: Child Health Record Growth Range 2007-05-14 to 2013-07-31 47521 non-missing values 12026 children with between 1 and 43 observations each
day_chgchr	BiB day: Child Health Record Growth	<i>[Hidden]</i> Administrative: Integer value Data capture date in days from BiB start for source: Child Health Record Growth Range 66 to 2336 Mean 1157.26 47521 non-missing values 12026 children with between 1 and 43 observations each
dayc_chgchr	Child cohort days: Child Health Record Growth	<i>[Hidden]</i> Administrative: Integer value Child days from cohort start (Birth) to data capture date for source: Child Health Record Growth Range 0 to 2223 Mean 404.63 47521 non-missing values 12026 children with between 1 and 43 observations each

eClipse growth

Database ID for source: chgecl

This source is measured at the **child** level. It contains data from 13478 children with one observation per child. There are 8 variables with a total of 13478 observations. 3 variables are sensitive or potentially disclosive and will be hidden from standard data packages. These are marked as *Hidden*, below.

Description

Height and weight measures from birth record (eClipse)

Variable	Variable Label	Details
agecm_chgecl	Child age (months): eClipse growth	Administrative: Integer value ----- Child age in months at data capture date for source: eClipse growth ----- Range 0 to 0 Mean 0.00 13478 non-missing values
agecy_chgecl	Child age (years): eClipse growth	Administrative: Integer value ----- Child age in years at data capture date for source: eClipse growth ----- Range 0 to 0 Mean 0.00 13478 non-missing values
chgecl_zweiuk90	Weight SDS - UK1990	Derived: Continuous value ----- Weight SDS - UK1990 ----- Range -7.91261 to 4.75486 Mean -0.73 13478 non-missing values
chgecl_zweiwho06	Weight SDS - WHO 2006	Derived: Continuous value ----- Weight SDS - WHO 2006 ----- Range -7.25 to 4.79 Mean -0.36 13478 non-missing values

Variable	Variable Label	Details
chgeclweight	Weight (kg)	Routine Healthcare: Continuous value <hr/> Weight (kg) <hr/> Range 0.47 to 5.8 Mean 3.16 13478 non-missing values
date_chgecl	Date: eCclipse growth	<i>[Hidden]</i> Administrative: Date value <hr/> Data capture date for source: eCclipse growth <hr/> Range 2007-04-10 to 2011-06-02 13478 non-missing values
day_chgecl	BiB day: eCclipse growth	<i>[Hidden]</i> Administrative: Integer value <hr/> Data capture date in days from BiB start for source: eCclipse growth <hr/> Range 32 to 1546 Mean 772.28 13478 non-missing values
dayc_chgecl	Child cohort days: eCclipse growth	<i>[Hidden]</i> Administrative: Integer value <hr/> Child days from cohort start (Birth) to data capture date for source: eCclipse growth <hr/> Range 0 to 0 Mean 0.00 13478 non-missing values

NCMP Growth

Database ID for source: chgncm

This source is measured at the **child** level. It contains data from 8237 children with one observation per child. There are 14 variables with a total of 8237 observations. 3 variables are sensitive or potentially disclosive and will be hidden from standard data packages. These are marked as *Hidden*, below.

Description

Height and weight measures from the National Child Measurement Programme

Variable	Variable Label	Details
agecm_chgncm	Child age (months): NCMP Growth	Administrative: Integer value ----- Child age in months at data capture date for source: NCMP Growth ----- Range 48 to 69 Mean 57.54 8237 non-missing values
agecy_chgncm	Child age (years): NCMP Growth	Administrative: Integer value ----- Child age in years at data capture date for source: NCMP Growth ----- Range 4 to 5 Mean 4.32 8237 non-missing values
chgncm_zbmiuk90	BMI SDS - UK1990	Derived: Continuous value ----- BMI SDS - UK1990 ----- Range -4.56261 to 4.57543 Mean 0.20 8145 non-missing values
chgncm_zbmiwho06	BMI SDS - WHO 2006	Derived: Continuous value ----- BMI SDS - WHO 2006 ----- Range -3.3 to 5.95 Mean 0.46 6249 non-missing values

Variable	Variable Label	Details
chgncm_zheiuk90	Height SDS - UK1990	Derived: Continuous value Height SDS - UK1990 Range -4.39919 to 4.50605 Mean 0.03 8214 non-missing values
chgncm_zheiwho06	Height SDS - WHO 2006	Derived: Continuous value Height SDS - WHO 2006 Range -4.24 to 4.05 Mean -0.11 6299 non-missing values
chgncm_zweiuk90	Weight SDS - UK1990	Derived: Continuous value Weight SDS - UK1990 Range -6.22519 to 3.97274 Mean 0.15 8168 non-missing values
chgncm_zweiwho06	Weight SDS - WHO 2006	Derived: Continuous value Weight SDS - WHO 2006 Range -4.5 to 4.2 Mean 0.23 6268 non-missing values
chgncmbmi	BMI	Derived: Continuous value BMI Range 11.4026 to 25.6319 Mean 16.00 8145 non-missing values
chgncmheight	Height (cm)	Routine Healthcare: Continuous value Height (cm) Range 88 to 127.4 Mean 108.12 8214 non-missing values

Variable	Variable Label	Details
chgncmweight	Weight (kg)	Routine Healthcare: Continuous value <hr/> Weight (kg) <hr/> Range 9.6 to 33.2 Mean 18.76 8168 non-missing values
date_chgncm	Date: NCMP Growth	<i>[Hidden]</i> Administrative: Date value <hr/> Data capture date for source: NCMP Growth <hr/> Range 2011-09-28 to 2015-05-21 8237 non-missing values
day_chgncm	BiB day: NCMP Growth	<i>[Hidden]</i> Administrative: Integer value <hr/> Data capture date in days from BiB start for source: NCMP Growth <hr/> Range 1664 to 2995 Mean 2432.59 8237 non-missing values
dayc_chgncm	Child cohort days: NCMP Growth	<i>[Hidden]</i> Administrative: Integer value <hr/> Child days from cohort start (Birth) to data capture date for source: NCMP Growth <hr/> Range 1487 to 2109 Mean 1766.47 8237 non-missing values

Child Growth from GP Record

Database ID for source: chgrgp

This source is measured at the **child** level. It contains data from 10623 children with more than one observation per child. There are 14 variables with a total of 26891 observations. 3 variables are sensitive or potentially disclosive and will be hidden from standard data packages. These are marked as *Hidden*, below.

Description

Height and weight measures from the GP primary care record

Variable	Variable Label	Details
agecm_chgrgp	Child age (months): Child Growth from GP Record	Administrative: Integer value <hr/> Child age in months at data capture date for source: Child Growth from GP Record <hr/> Range 0 to 88 Mean 12.64 26891 non-missing values 10623 children with between 1 and 40 observations each
agecy_chgrgp	Child age (years): Child Growth from GP Record	Administrative: Integer value <hr/> Child age in years at data capture date for source: Child Growth from GP Record <hr/> Range 0 to 7 Mean 0.73 26891 non-missing values 10623 children with between 1 and 40 observations each
chgrgp_zbmiuk90	BMI SDS - UK1990	Derived: Continuous value <hr/> BMI SDS - UK1990 <hr/> Range -9.99324 to 4.83251 Mean -0.51 21907 non-missing values 10623 children with between 1 and 25 observations each
chgrgp_zbmiwho06	BMI SDS - WHO 2006	Derived: Continuous value <hr/> BMI SDS - WHO 2006 <hr/> Range -5.98 to 6.38 Mean -0.28 20937 non-missing values 10623 children with between 1 and 25 observations each

Variable	Variable Label	Details
chgrgp_zheiuk90	Height SDS - UK1990	Derived: Continuous value <hr/> Height SDS - UK1990 <hr/> Range -7.34797 to 4.96072 Mean 0.02 22483 non-missing values 10623 children with between 1 and 25 observations each
chgrgp_zheiwho06	Height SDS - WHO 2006	Derived: Continuous value <hr/> Height SDS - WHO 2006 <hr/> Range -7.88 to 5.56 Mean -0.02 21445 non-missing values 10623 children with between 1 and 25 observations each
chgrgp_zweiuk90	Weight SDS - UK1990	Derived: Continuous value <hr/> Weight SDS - UK1990 <hr/> Range -8.51531 to 4.39568 Mean -0.39 26315 non-missing values 10623 children with between 1 and 38 observations each
chgrgp_zweiwho06	Weight SDS - WHO 2006	Derived: Continuous value <hr/> Weight SDS - WHO 2006 <hr/> Range -7.98 to 4.39 Mean -0.26 24957 non-missing values 10623 children with between 1 and 38 observations each
chgrgpbmi	BMI	Derived: Continuous value <hr/> BMI <hr/> Range 8.32986 to 28.9764 Mean 15.57 21907 non-missing values 10623 children with between 1 and 25 observations each

Variable	Variable Label	Details
chgrgpheight	Height (cm)	Routine Healthcare: Continuous value <hr/> Height (cm) <hr/> Range 42 to 134 Mean 68.28 22483 non-missing values 10623 children with between 1 and 25 observations each
chgrgpweight	Weight (kg)	Routine Healthcare: Continuous value <hr/> Weight (kg) <hr/> Range 0.27 to 44.5 Mean 8.20 26315 non-missing values 10623 children with between 1 and 38 observations each
date_chgrgp	Date: Child Growth from GP Record	<i>[Hidden]</i> Administrative: Date value <hr/> Data capture date for source: Child Growth from GP Record <hr/> Range 2007-05-16 to 2014-11-25 26891 non-missing values 10623 children with between 1 and 40 observations each
day_chgrgp	BiB day: Child Growth from GP Record	<i>[Hidden]</i> Administrative: Integer value <hr/> Data capture date in days from BiB start for source: Child Growth from GP Record <hr/> Range 68 to 2818 Mean 1009.34 26891 non-missing values 10623 children with between 1 and 40 observations each
dayc_chgrgp	Child cohort days: Child Growth from GP Record	<i>[Hidden]</i> Administrative: Integer value <hr/> Child days from cohort start (Birth) to data capture date for source: Child Growth from GP Record <hr/> Range 0 to 2709 Mean 399.78 26891 non-missing values 10623 children with between 1 and 40 observations each