Born in Bradford Data Dictionary

Maternity record linkage and abstraction

Contents

Background

This document is a data dictionary for Maternity record linkage and abstraction. It describes 224 variables from 12 sources. 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

Maternal records abstraction: Admissions info

Database ID for source: `prnadm`

This source is measured at the **pregnancy** level. It contains data from 30 pregnancies with more than one observation per pregnancy. There are 16 variables with a total of 33 observations. 2 variables are sensitive or potentially disclosive and will be hidden from standard data packages. These are marked as *Hidden*, below.

Description

Abstraction of routine information from maternal paper records for the Born in Bradford cohort. The abstraction was funded by a NIHR HTA project (11-99-02). Four trained research assistants abstracted data from maternal paper records. The abstraction was conducted in 2013. Only women with completed baseline questionnaires, oral glucose tolerance test results and birth outcomes were eligible. Data were entered straight into a web database. Accuracy of abstractions were checked on 5% of records for all abstracted data, all error rates were less than 1%. This source contains information about hospital admissions during the maternal period. 80 observations were dropped due to missing data or data entry errors.

Variable	Variable Label	Details
prnpradeventtype	Maternal hosp adm event type	Backfilled patient notes: Categorical value
		Maternal hospital admission event type
		33 non-missing values 30 pregnancies with between 1 and 2 observations each
		Coding [`prnadmeventlbl`]: 1 = Pregnancy 2 = Labour 3 = Postpartum
prnpradmdate	Maternal hosp adm date	*[Hidden]* Backfilled patient notes: Date value
		Maternal hospital admission date
		Range 2006-12-22 to 2010-09-27 33 non-missing values 30 pregnancies with between 1 and 2 observations each
prnpradmdayspostpartum	N days postpartum at maternal hosp adm	Backfilled patient notes: Integer value
		Number of days postpartum at maternal hospital admission
		Range NA to NA Mean NA NA non-missing values 30 pregnancies with between NA and NA observations each

Variable	Variable Label	Details
prnpradmgestaged	Gest. age (days) at maternal hosp adm	Backfilled patient notes: Integer value ———————— Gest. age (days) at maternal hospital admission ———————— Range 37 to 140 Mean 110.33 33 non-missing values 30 pregnancies with between 1 and 2 observations each
prnpradmgestagew	Gest. age (wks) at maternal hosp adm	Backfilled patient notes: Integer value ———————— Gest. age (wks) at maternal hospital admission ———————— Range 5 to 20 Mean 15.33 33 non-missing values 30 pregnancies with between 1 and 2 observations each
prnpradmlos	Maternal hosp adm los (days)	Backfilled patient notes: Integer value ———————— Maternal hospital admission length of stay in days ———————— Range 0 to 8 Mean 0.76 33 non-missing values 30 pregnancies with between 1 and 2 observations each
prnpradmmonth	Month of maternal hosp adm	Backfilled patient notes: Categorical value ———————— Month of maternal hospital admission ———————— 33 non-missing values 30 pregnancies with between 1 and 2 observations each ———————— Coding [prnadmmonthlbl]: 1 = Jan 2 = Feb 3 = Mar 4 = Apr 5 = May 6 = Jun 7 = Jul 8 = Aug 9 = Sep 10 = Oct 11 = Nov 12 = Dec

Variable	Variable Label	Details
prnpradmtime	Maternal hosp adm time	Backfilled patient notes: Text value
		—————
		Maternal hospital admission time
		—————
		28 unique values 33 non-missing values 30 pregnancies with between 1 and 2 observations each
prnpradreason1	Maternal hosp adm reason (1)	Backfilled patient notes: Text value
		—————
		Maternal hospital admission reason (1)
		—————
		30 unique values 33 non-missing values 30 pregnancies with between 1 and 2 observations each
prnpradreason2	Maternal hosp adm reason (2)	Backfilled patient notes: Text value
		—————
		Maternal hospital admission reason (2)
		—————
		5 unique values 33 non-missing values 30 pregnancies with between 1 and 2 observations each
prnpradreason3	Maternal hosp adm reason (3)	Backfilled patient notes: Text value
		—————
		Maternal hospital admission reason (3)
		—————
		3 unique values 33 non-missing values 30 pregnancies with between 1 and 2 observations each
prnpradreason4	Maternal hosp adm reason (4)	Backfilled patient notes: Text value
		—————
		Maternal hospital admission reason (4)
		—————
		1 unique values 33 non-missing values 30 pregnancies with between 1 and 2 observations each

Variable	Variable Label	Details
prnpradreason5	Maternal hosp adm reason (5)	Backfilled patient notes: Text value ——————— Maternal hospital admission reason (5) ——————— 1 unique values 33 non-missing values 30 pregnancies with between 1 and 2 observations each
prnpradreason6	Maternal hosp adm reason (6)	Backfilled patient notes: Text value ——————— Maternal hospital admission reason (6) ——————— 1 unique values 33 non-missing values 30 pregnancies with between 1 and 2 observations each
prnprdisdate	Maternal hosp adm discharge date	*[Hidden]* Backfilled patient notes: Date value ——————— Maternal hospital admission discharge date ——————— Range 2006-12-23 to 2010-09-28 33 non-missing values 30 pregnancies with between 1 and 2 observations each
prnprdistime	Maternal hosp adm discharge time	Backfilled patient notes: Text value ——————— Maternal hospital admission discharge time ——————— 19 unique values 33 non-missing values 30 pregnancies with between 1 and 2 observations each

Maternal records: Labour blood pressure

Database ID for source: `prnbpl`

This source is measured at the **pregnancy** level. It contains data from 8523 pregnancies with more than one observation per pregnancy. There are 5 variables with a total of 8643 observations.

Description

Abstraction of routine information from maternal paper records for the Born in Bradford cohort. The abstraction was funded by a NIHR HTA project (11-99-02). Four trained research assistants abstracted data from maternal paper records. The abstraction was conducted in 2013. Only women with completed baseline questionnaires, oral glucose tolerance test results and birth outcomes were eligible. Data were entered straight into a web database. Accuracy of abstractions were checked on 5% of records for all abstracted data, all error rates were less than 1%. This source contains information about blood pressure during labour for the BiB pregnancy. 1913 observations were dropped due to data entry errors.

Variable	Variable Label	Details
prnlabbpdiastolic	Labour diastolic blood pressure	Backfilled patient notes: Integer value ⸺ Labour diastolic blood pressure ⸺ Range 20 to 128 Mean 75.00 8643 non-missing values 8523 pregnancies with between 1 and 12 observations each
prnlabbpgestaged	Gestational age in days at labour BP measurement	Backfilled patient notes: Integer value ⸺ Gestational age in days at labour BP measurement ⸺ Range 175 to 313 Mean 277.16 8642 non-missing values 8523 pregnancies with between 1 and 12 observations each
prnlabbpgestagew	Gestational age in weeks at labour BP measurement	Backfilled patient notes: Integer value ⸺ Gestational age in weeks at labour BP measurement ⸺ Range 25 to 44 Mean 39.19 8642 non-missing values 8523 pregnancies with between 1 and 12 observations each

Variable	Variable Label	Details
prnlabbpsystolic	Labour systolic blood pressure	Backfilled patient notes: Integer value ——————— Labour systolic blood pressure ——————— Range 20 to 210 Mean 126.80 8643 non-missing values 8523 pregnancies with between 1 and 12 observations each
prnlabbptime	Time labour blood pressure was taken	Backfilled patient notes: Text value ——————— Time labour blood pressure was taken ——————— 375 unique values 8643 non-missing values 8523 pregnancies with between 1 and 12 observations each

Maternal records: Postpartum blood pressure

Database ID for source: `prnbpo`

This source is measured at the **pregnancy** level. It contains data from 10024 pregnancies with more than one observation per pregnancy. There are 4 variables with a total of 36379 observations.

Description

Abstraction of routine information from maternal paper records for the Born in Bradford cohort. The abstraction was funded by a NIHR HTA project (11-99-02). Four trained research assistants abstracted data from maternal paper records. The abstraction was conducted in 2013. Only women with completed baseline questionnaires, oral glucose tolerance test results and birth outcomes were eligible. Data were entered straight into a web database. Accuracy of abstractions were checked on 5% of records for all abstracted data, all error rates were less than 1%. This source contains information about blood pressure taken postpartum for the BiB pregnancy. 907 observations were dropped due to data entry errors.

Variable	Variable Label	Details
prnpostbpdays	Number of days after delivery	Backfilled patient notes: Integer value
		Number of days after delivery
		Range 0 to 28 Mean 1.44 36379 non-missing values 10024 pregnancies with between 1 and 155 observations each
prnpostbpdiastolic	Post-partum diastolic blood pressure	Backfilled patient notes: Integer value
		Post-partum diastolic blood pressure
		Range 20 to 130 Mean 71.22 36379 non-missing values 10024 pregnancies with between 1 and 155 observations each
prnpostbpsystolic	Post-partum systolic blood pressure	Backfilled patient notes: Integer value
		Post-partum systolic blood pressure
		Range 20 to 210 Mean 119.84 36379 non-missing values 10024 pregnancies with between 1 and 155 observations each

Variable	Variable Label	Details
prnpostbptime	Time post-partum blood pressure was taken	Backfilled patient notes: Text value
		Time post-partum blood pressure was taken
		625 unique values 36379 non-missing values 10024 pregnancies with between 1 and 155 observations each

Maternal records: Pregnancy blood pressure

Database ID for source: `prnbpp`

This source is measured at the **pregnancy** level. It contains data from 10895 pregnancies with more than one observation per pregnancy. There are 5 variables with a total of 117578 observations.

Description

Abstraction of routine information from maternal paper records for the Born in Bradford cohort. The abstraction was funded by a NIHR HTA project (11-99-02). Four trained research assistants abstracted data from maternal paper records. The abstraction was conducted in 2013. Only women with completed baseline questionnaires, oral glucose tolerance test results and birth outcomes were eligible. Data were entered straight into a web database. Accuracy of abstractions were checked on 5% of records for all abstracted data, all error rates were less than 1%. This source contains information about blood pressure during the BiB pregnancy. 940 measurements were dropped due to data entry errors.

Variable	Variable Label	Details
prnpregbpdiastolic	Pregnancy diastolic blood pressure	Backfilled patient notes: Integer value
		————————
		Pregnancy diastolic blood pressure
		————————
		Range 20 to 130
		Mean 68.46
		117578 non-missing values
		10895 pregnancies with between 1 and 115 observations each
prnpregbpgestaged	Gestational age in days at pregnancy BP measurement	Backfilled patient notes: Integer value
		————————
		Gestational age in days at pregnancy BP measurement
		————————
		Range 1 to 290
		Mean 204.69
		117578 non-missing values
		10895 pregnancies with between 1 and 115 observations each
prnpregbpgestagew	Gestational age in weeks at pregnancy BP measurement	Backfilled patient notes: Integer value
		————————
		Gestational age in weeks at pregnancy BP measurement
		————————
		Range 0 to 41
		Mean 28.81
		117578 non-missing values
		10895 pregnancies with between 1 and 115 observations each

Variable	Variable Label	Details
prnpregbpsystolic	Pregnancy systolic blood pressure	Backfilled patient notes: Integer value
		Pregnancy systolic blood pressure
		Range 20 to 210 Mean 113.13 117578 non-missing values 10895 pregnancies with between 1 and 115 observations each
prnpregbptime	Time pregnancy blood pressure was taken	Backfilled patient notes: Text value
		Time pregnancy blood pressure was taken
		594 unique values 117578 non-missing values 10895 pregnancies with between 1 and 115 observations each

Maternal records abstraction: BiB infant info

Database ID for source: `prninf`

This source is measured at the **child** level. It contains data from 11010 children with one observation per child. There are 11 variables with a total of 11010 observations.

Description

Abstraction of routine information from maternal paper records for the Born in Bradford cohort. The abstraction was funded by a NIHR HTA project (11-99-02). Four trained research assistants abstracted data from maternal paper records. The abstraction was conducted in 2013. Only women with completed baseline questionnaires, oral glucose tolerance test results and birth outcomes were eligible. Data were entered straight into a web database. Accuracy of abstractions were checked on 5% of records for all abstracted data, all error rates were less than 1%. This source contains information about the BiB infant.

Current BiB infant

Variable	Variable Label	Details
prnbibirthoutc	Birth outcome	Backfilled patient notes: Categorical value
		Birth outcome
		10982 non-missing values
		Coding [`prninfbthoutcomelbl`]: 1 = Live birth 2 = Miscarriage 3 = Still birth
prnbibreech	Breech presentation	Backfilled patient notes: Categorical value
		Breech presentation
		10960 non-missing values
		Coding [`prninfnoyesdklbl`]: 0 = No 1 = Yes 2 = Don't know
prnbicordsamp	Cord blood samples taken after birth	Backfilled patient notes: Categorical value
		Cord blood samples taken after birth
		10928 non-missing values
		Coding [`prninfnoyesdklbl`]: 0 = No 1 = Yes 2 = Don't know

Variable	Variable Label	Details
prnbicordsampalph	Cord lowest arterial pH	Backfilled patient notes: Continuous value —————— Cord lowest arterial pH —————— Range 2.247 to 7.573 Mean 7.22 2258 non-missing values
prnbicordsampvlph	Cord lowest venous pH	Backfilled patient notes: Continuous value —————— Cord lowest venous pH —————— Range 2.293 to 8.891 Mean 7.27 2320 non-missing values
prnbifetalsamp	Fetal blood sample taken before birth	Backfilled patient notes: Categorical value —————— Fetal blood sample taken before birth —————— 10935 non-missing values —————— Coding [prninfnoyesdklbl]: 0 = No 1 = Yes 2 = Don't know
prnbifetalsamplph	Fetal lowest arterial pH	Backfilled patient notes: Continuous value —————— Fetal lowest arterial pH —————— Range 6.982 to 7.482 Mean 7.29 397 non-missing values
prnbirouteofbrt	Route of birth	Backfilled patient notes: Categorical value —————— Route of birth —————— 10986 non-missing values —————— Coding [prninfroutelbl]: 1 = Normal 2 = Forceps 3 = Ventous 4 = Elective caesarean section 5 = Semi-elective caesarean section 6 = Emergency caesarean section 7 = Not documented

Variable	Variable Label	Details
prnbispecialcare	Admitted to special care	Backfilled patient notes: Categorical value
		——————
		Admitted to special care
		——————
		10967 non-missing values
		——————
		Coding [`prninfnoyesdklbl`]: 0 = No 1 = Yes 2 = Don't know
prntimetosampa	Time from birth to arterial sample (minutes)	Backfilled patient notes: Integer value
		——————
		Time from birth to arterial sample (minutes)
		——————
		Range 0 to 90 Mean 13.43 2172 non-missing values
prntimetosampv	Time from birth to venous sample (minutes)	Backfilled patient notes: Integer value
		——————
		Time from birth to venous sample (minutes)
		——————
		Range 0 to 93 Mean 15.02 2261 non-missing values

Maternal records: meds during BiB pregnancy

Database ID for source: `prnmed`

This source is measured at the **pregnancy** level. It contains data from 3773 pregnancies with more than one observation per pregnancy. There are 3 variables with a total of 4937 observations.

Description

Abstraction of routine information from maternal paper records for the Born in Bradford cohort. The abstraction was funded by a NIHR HTA project (11-99-02). Four trained research assistants abstracted data from maternal paper records. The abstraction was conducted in 2013. Only women with completed baseline questionnaires, oral glucose tolerance test results and birth outcomes were eligible. Data were entered straight into a web database. Accuracy of abstractions were checked on 5% of records for all abstracted data, all error rates were less than 1%. This source contains information about medications taken during the BiB pregnancy.

Variable	Variable Label	Details
prnbpothmedhasstd	Other meds: raw value has standardised value	Backfilled patient notes: Integer value ——————— Other meds: raw value has standardised value ——————— Range 1 to 1 Mean 1.00 4187 non-missing values 3773 pregnancies with between 1 and 6 observations each
prnbpothmedraw	Other meds in last 6 mo (raw)	Backfilled patient notes: Text value ——————— Other meds in last 6 mo (raw) ——————— 622 unique values 4937 non-missing values 3773 pregnancies with between 1 and 6 observations each
prnbpothmedstd	Other meds in last 6 mo (standardised)	Backfilled patient notes: Text value ——————— Other meds in last 6 mo (standardised) ——————— 338 unique values 4937 non-missing values 3773 pregnancies with between 1 and 6 observations each

Mother data from pregnancy notes extraction

Database ID for source: `prnmum`

This source is measured at the **mother** level. It contains data from 10135 mothers with one observation per mother. There are 3 variables with a total of 10135 observations. 1 variable is sensitive or potentially disclosive and will be hidden from standard data packages. This is marked as *Hidden*, below.

Description

A manual abstraction of data from maternity patient notes was undertaken. The abstraction was funded by a NIHR HTA project (11-99-02). Four trained research assistants abstracted data from maternal paper records. The abstraction was conducted in 2013. Only women with completed baseline questionnaires, oral glucose tolerance test results and birth outcomes were eligible. Data were entered straight into a web database. Accuracy of abstractions were checked on 5% of records for all abstracted data, all error rates were less than 1%. This source contains information about the mother derived from this exercise.

Pre-BiB pregnancy

Variable	Variable Label	Details
prnmum1stchdob	Date of birth of first child	*[Hidden]* Derived: Date value
		Date of birth of first child. These are transcribed from written notes.
		Range 1981-07-13 to 2011-06-02 10135 non-missing values
prnmum1stchmagem	Mother age at birth of first child (mths)	Derived: Integer value
		Mother age in months at birth of first child. Based on dates of birth of previous pregnancies transcribed from written notes. Ages <144 months have been dropped.
		Range 154 to 550 Mean 292.89 10135 non-missing values
prnmum1stchmagey	Mother age at birth of first child (yrs)	Derived: Integer value
		Mother age in years at birth of first child. Based on dates of birth of previous pregnancies transcribed from written notes. Ages <12 years have been dropped.
		Range 12 to 45 Mean 23.95 10135 non-missing values

Maternal records abstraction: Oedema

Database ID for source: `prnoed`

This source is measured at the **pregnancy** level. It contains data from 3256 pregnancies with more than one observation per pregnancy. There are 9 variables with a total of 6658 observations.

Description

Abstraction of routine information from maternal paper records for the Born in Bradford cohort. The abstraction was funded by a NIHR HTA project (11-99-02). Four trained research assistants abstracted data from maternal paper records. The abstraction was conducted in 2013. Only women with completed baseline questionnaires, oral glucose tolerance test results and birth outcomes were eligible. Data were entered straight into a web database. Accuracy of abstractions were checked on 5% of records for all abstracted data, all error rates were less than 1%. This source contains information about oedema events during the BiB pregnancy. 47 cases were dropped due to data entry errors.

Variable	Variable Label	Details
prnoedemaankle	Oedema in ankle	Backfilled patient notes: Categorical value
		Oedema in ankle
		1205 non-missing values 3256 pregnancies with between 1 and 8 observations each
		Coding [`prnoedyeslbl`]: 1 = Yes
prnoedemaeventtype	Oedema observation event type	Backfilled patient notes: Categorical value
		Oedema observation event type
		6658 non-missing values 3256 pregnancies with between 1 and 12 observations each
		Coding [`prnoedeventlbl`]: 1 = Pregnancy 2 = Labour
prnoedemaface	Oedema in face	Backfilled patient notes: Categorical value
		Oedema in face
		95 non-missing values 3256 pregnancies with between 1 and 4 observations each
		Coding [`prnoedyeslbl`]: 1 = Yes

Variable	Variable Label	Details
prnoedemafeet	Oedema in feet	Backfilled patient notes: Categorical value
		――――――――
		Oedema in feet
		――――――――
		4193 non-missing values 3256 pregnancies with between 1 and 9 observations each
		――――――――
		Coding [prnoedyeslbl]: 1 = Yes
prnoedemageneral	Generalised oedema	Backfilled patient notes: Categorical value
		――――――――
		Generalised oedema
		――――――――
		950 non-missing values 3256 pregnancies with between 1 and 6 observations each
		――――――――
		Coding [prnoedyeslbl]: 1 = Yes
prnoedemagestaged	Gestational age in days at oedema observation	Backfilled patient notes: Integer value
		――――――――
		Gestational age in days at oedema observation
		――――――――
		Range -1 to 296 Mean 241.82 6656 non-missing values 3256 pregnancies with between 1 and 12 observations each
prnoedemagestagew	Gestational age in weeks at oedema observation	Backfilled patient notes: Integer value
		――――――――
		Gestational age in weeks at oedema observation
		――――――――
		Range 0 to 42 Mean 34.12 6656 non-missing values 3256 pregnancies with between 1 and 12 observations each

Variable	Variable Label	Details
prnoedemahands	Oedema in hands	Backfilled patient notes: Categorical value
		Oedema in hands
		1858 non-missing values 3256 pregnancies with between 1 and 12 observations each
		Coding [prnoedyeslbl]: 1 = Yes
prnoedemanotdoc	Oedema type not documented	Backfilled patient notes: Categorical value
		Oedema type not documented
		4 non-missing values 3256 pregnancies with between 1 and 1 observations each
		Coding [prnoednotdoclbl]: 1 = Not documented

Maternal records abstraction: Pre-BiB infant info

Database ID for source: `prnpbi`

This source is measured at the **mother** level. It contains data from 5602 mothers with more than one observation per mother. There are 10 variables with a total of 10660 observations. 1 variable is sensitive or potentially disclosive and will be hidden from standard data packages. This is marked as *Hidden*, below.

Description

Abstraction of routine information from maternal paper records for the Born in Bradford cohort. The abstraction was funded by a NIHR HTA project (11-99-02). Four trained research assistants abstracted data from maternal paper records. The abstraction was conducted in 2013. Only women with completed baseline questionnaires, oral glucose tolerance test results and birth outcomes were eligible. Data were entered straight into a web database. Accuracy of abstractions were checked on 5% of records for all abstracted data, all error rates were less than 1%. This source contains information about infants from before BiB.

Variable	Variable Label	Details
prnprebinfbirthyr	Pre BiB infant birth year	Backfilled patient notes: Integer value
		————
		What was the pre BiBs infant birth year
		————
		Range 1980 to 2012
		Mean 2002.03
		10098 non-missing values
		5602 mothers with between 1 and 10 observations each
prnprebinfboutcome	Pre BiB infant birth outcome	Backfilled patient notes: Categorical value
		————
		What was the pre BiB infant birth outcome
		————
		10656 non-missing values
		5602 mothers with between 1 and 10 observations each
		————
		Coding [prnpbiinfboutcomelbl]:
		1 = Live Birth
		2 = Miscarriage
		3 = Still birth
		4 = TOP
		5 = Ectopic pregnancy
		6 = Not documented

Variable	Variable Label	Details
prnprebinfbroute	Pre BiB infant birth route	Backfilled patient notes: Categorical value ———————— What was the pre BiB infant birth route ———————— 10571 non-missing values 5602 mothers with between 1 and 10 observations each ———————— Coding [prnpbiinfbroutelbl]: 1 = Normal 2 = Forceps 3 = Ventous 4 = Elective caesarian section 5 = Semi-elective caesarean section 6 = Emergency caesarean section 7 = Not documented
prnprebinfbweight	Pre BiB infant birth weight (grams)	Backfilled patient notes: Integer value ———————— What was the pre BiB infant birth weight (grams) ———————— Range 172 to 6000 Mean 3114.54 10277 non-missing values 5602 mothers with between 1 and 9 observations each
prnprebinfbweightnd	Pre BiB infant birth weight not documented	Backfilled patient notes: Categorical value ———————— Pre BiB infant birth weight not documented ———————— 10660 non-missing values 5602 mothers with between 1 and 10 observations each ———————— Coding [prnpbinoyeslbl]: 0 = No 1 = Yes
prnprebinfdeath	Pre BiB infant death	Backfilled patient notes: Categorical value ———————— Did the pre BiB infant die ———————— 10276 non-missing values 5602 mothers with between 1 and 9 observations each ———————— Coding [prnpbinoyesndlbl]: 0 = No 1 = Yes 2 = Not documented

Variable	Variable Label	Details
prnprebinfdob	Pre BiB infant date of birth	*[Hidden]* Backfilled patient notes: Date value
		Pre BiB infant date of birth
		Range 1980-07-19 to 2012-10-07 9730 non-missing values 5602 mothers with between 1 and 10 observations each
prnprebinfmisdobnd	Pre BiB infant dob/miscarriage not documented	Backfilled patient notes: Categorical value
		Pre BiB infant dob/miscarriage not documented
		10590 non-missing values 5602 mothers with between 1 and 10 observations each
		Coding [prnpbinotdoc]: 0 = Documented 1 = Not documented
prnprebinfpregid	Pre BiB pregnancy ID	Backfilled patient notes: Integer value
		Pre BiB pregnancy ID
		Range 4 to 11255 Mean 5849.33 10660 non-missing values 5602 mothers with between 1 and 10 observations each
prnprebinfrecpreg	Recorded from PregnancyID	Backfilled patient notes: Text value
		Recorded from PregnancyID
		5608 unique values 10660 non-missing values 5602 mothers with between 1 and 10 observations each

Maternal records abstraction: Pre BiB Pregnancy

Database ID for source: `prnpbp`

This source is measured at the **mother** level. It contains data from 5611 mothers with more than one observation per mother. There are 13 variables with a total of 10642 observations.

Description

Abstraction of routine information from maternal paper records for the Born in Bradford cohort. The abstraction was funded by a NIHR HTA project (11-99-02). Four trained research assistants abstracted data from maternal paper records. The abstraction was conducted in 2013. Only women with completed baseline questionnaires, oral glucose tolerance test results and birth outcomes were eligible. Data were entered straight into a web database. Accuracy of abstractions were checked on 5% of records for all abstracted data, all error rates were less than 1%. This source contains information about pregnancies from before the BiB index pregnancy.

Pre-BiB pregnancy

Variable	Variable Label	Details
prnprebprgbirthyr	Pre BiB preg birth year	Backfilled patient notes: Integer value ———————— Pre BiB pregnancy birth year ———————— Range 1980 to 2012 Mean 2002.03 10037 non-missing values 5611 mothers with between 1 and 10 observations each
prnprebprggdm	Pre BiB preg GDM diagnosis	Backfilled patient notes: Categorical value ———————— Pre BiB pregnancy GDM diagnosis ———————— 8711 non-missing values 5611 mothers with between 1 and 9 observations each ———————— Coding [**prnpbpnoyesdklbl**]: 0 = No 1 = Yes 2 = Not documented

Variable	Variable Label	Details
prnprebprggdmt_diet	Pre BiB preg GDM trt: Diet	Backfilled patient notes: Categorical value
		Pre BiB pregnancy GDM treatment: Diet
		84 non-missing values 5611 mothers with between 1 and 3 observations each
		Coding [prnpbpnoyesdklbl]: 0 = No 1 = Yes 2 = Not documented
prnprebprggdmt_insulin	Pre BiB preg GDM trt: Insulin	Backfilled patient notes: Categorical value
		Pre BiB pregnancy GDM treatment: Insulin
		60 non-missing values 5611 mothers with between 1 and 2 observations each
		Coding [prnpbpnoyesdklbl]: 0 = No 1 = Yes 2 = Not documented
prnprebprggdmt_lifestyle	Pre BiB preg GDM trt: Lifestyle	Backfilled patient notes: Categorical value
		Pre BiB pregnancy GDM treatment: Lifestyle
		58 non-missing values 5611 mothers with between 1 and 2 observations each
		Coding [prnpbpnoyesdklbl]: 0 = No 1 = Yes 2 = Not documented
prnprebprggdmt_metaformin	Pre BiB preg GDM trt: Metaformin	Backfilled patient notes: Categorical value
		Pre BiB pregnancy GDM treatment: Metaformin
		NA non-missing values 5611 mothers with between NA and NA observations each
		Coding [prnpbpnoyesdklbl]: 0 = No 1 = Yes 2 = Not documented

Variable	Variable Label	Details
prnprebprggdmt_none	Pre BiB preg GDM trt: None	Backfilled patient notes: Categorical value
		Pre BiB pregnancy GDM treatment: None
		2091 non-missing values 5611 mothers with between 1 and 7 observations each
		Coding [prnpbpnoyesdklbl]: 0 = No 1 = Yes 2 = Not documented
prnprebprggdmt_notdoc	Pre BiB preg GDM trt: not documented	Backfilled patient notes: Categorical value
		Pre BiB pregnancy GDM treatment: not documented
		268 non-missing values 5611 mothers with between 1 and 5 observations each
		Coding [prnpbpnoyesdklbl]: 0 = No 1 = Yes 2 = Not documented
prnprebprgmultipreg	Pre BiB preg number of births	Backfilled patient notes: Integer value
		Pre BiB pregnancy number of births
		Range 1 to 5 Mean 1.01 10586 non-missing values 5611 mothers with between 1 and 10 observations each
prnprebprgogtt	Pre BiB preg OGTT done	Backfilled patient notes: Categorical value
		Pre BiB pregnancy OGTT done
		10574 non-missing values 5611 mothers with between 1 and 10 observations each
		Coding [prnpbpnoyesdklbl]: 0 = No 1 = Yes 2 = Not documented

Variable	Variable Label	Details
prnprebprgperineal	Pre BiB preg perineal trauma	Backfilled patient notes: Categorical value
		Pre BiB pregnancy perineal trauma
		10570 non-missing values 5611 mothers with between 1 and 10 observations each
		Coding [prnpbpperineallbl]: 0 = None 1 = 1st degree 2 = 2nd degree 3 = 3rd degree 4 = 4th degree 5 = Episiotomy 6 = Laceration 7 = Tear 8 = Graze 9 = Not documented
prnprebprgpregid	Pre BiB preg ID - links to pre-BiB infant data	Backfilled patient notes: Integer value
		Pre BiB pregnancy ID - links to pre-BiB infant data
		Range 4 to 11255 Mean 5849.90 10642 non-missing values 5611 mothers with between 1 and 10 observations each
prnprebprgrecpreg	PregnancyID for BiB pregnancy	Backfilled patient notes: Text value
		PregnancyID for BiB pregnancy from which earlier pregnancy info was recorded
		5617 unique values 10642 non-missing values 5611 mothers with between 1 and 10 observations each

Maternal records abstraction: BiB pregnancy info

Database ID for source: `prnprg`

This source is measured at the **pregnancy** level. It contains data from 10939 pregnancies with one observation per pregnancy. There are 141 variables with a total of 10939 observations.

Description

Abstraction of routine information from maternal paper records for the Born in Bradford cohort. The abstraction was funded by a NIHR HTA project (11-99-02). Four trained research assistants abstracted data from maternal paper records. The abstraction was conducted in 2013. Only women with completed baseline questionnaires, oral glucose tolerance test results and birth outcomes were eligible. Data were entered straight into a web database. Accuracy of abstractions were checked on 5% of records for all abstracted data, all error rates were less than 1%. This source contains information from the current BiB pregnancy.

Booking information

Variable	Variable Label	Details
prnbpbookingdate	Date of booking	Backfilled patient notes: Date value
		Date of booking
		Range 2006-10-31 to 2010-12-14 10848 non-missing values
prnbpfolicacid	Folic acid in last 6 months	Backfilled patient notes: Categorical value
		Did mother take folic acid in the 6 months before BiB pregnancy booking appointment
		10909 non-missing values
		Coding [prnprgnoyesdklbl]: 0 = No 1 = Yes 2 = Not documented
prnbpothmed	Other medications taken in last 6 months (y/n)	Backfilled patient notes: Categorical value
		BiB pregnancy: Whether any other medications taken in last 6 months (y/n/not doc)
		10862 non-missing values
		Coding [prnprgnoyesdklbl]: 0 = No 1 = Yes 2 = Not documented

Variable	Variable Label	Details
prnbpothmedn	Other medications taken in last 6 months (count)	Backfilled patient notes: Integer value
		BiB pregnancy: Count of patient reported other medications taken in last 6 months
		Range 0 to 6 Mean 0.46 10651 non-missing values
prnpbaddvit	Pregnancy vitamins in last 6 months	Backfilled patient notes: Categorical value
		Did the women take pregnancy vitamins in last 6 months
		10897 non-missing values
		Coding [prnprgnoyesdklbl]: 0 = No 1 = Yes 2 = Not documented
prnpbgestagedpregbk	Gestational age in days at BiB pregnancy booking	Backfilled patient notes: Integer value
		Gestational age in days at BiB pregnancy booking
		Range 0 to 271 Mean 89.36 10831 non-missing values
prnpbgestagewpregbk	Gestational age in weeks at BiB pregnancy booking	Backfilled patient notes: Continuous value
		Gestational age in weeks at BiB pregnancy booking
		Range 0 to 38.7143 Mean 12.77 10831 non-missing values

Clinical observations during pregnancy

Variable	Variable Label	Details
prnbp3rdtriw	3rd trimester weight	Backfilled patient notes: Continuous value —————— 3rd trimester weight (kg) —————— Range 32 to 160 Mean 77.45 6213 non-missing values
prnbp3rdtriwdate	Date of 3rd trimester weighing	Backfilled patient notes: Date value —————— Date of 3rd trimester weighing —————— Range 2006-12-15 to 2011-05-18 6160 non-missing values
prnbp3rdtriwnotdoc	3rd trimester weight not documented	Backfilled patient notes: Categorical value —————— 3rd trimester weight not documented —————— 10934 non-missing values —————— Coding [prnprgnotdoclbl]: 0 = Documented 1 = Not documented
prnbpbppregn	Number of BPs recorded in pregnancy	Backfilled patient notes: Integer value —————— Number of blood pressures recorded in pregnancy —————— Range 0 to 115 Mean 10.98 10926 non-missing values
prnbpbppregrec	Any blood pressures recorded in pregnancy	Backfilled patient notes: Categorical value —————— Any blood pressures recorded in pregnancy —————— 10932 non-missing values —————— Coding [prnprgnoyesdklbl]: 0 = No 1 = Yes 2 = Not documented

Variable	Variable Label	Details
prnbpgestaged3rdtriw	Gestational age at 3rd trimester weight measurement (weeks)	Backfilled patient notes: Integer value ——————— Gestational age at 3rd trimester weight measurement (weeks) ——————— Range 29 to 295 Mean 254.18 6157 non-missing values
prnbpgestagew3rdtriw	Gestational age at 3rd trimester weight measurement (weeks)	Backfilled patient notes: Continuous value ——————— Gestational age at 3rd trimester weight measurement (weeks) ——————— Range 4.14286 to 42.1429 Mean 36.31 6157 non-missing values
prnbpoedemapreg	Any oedemas recorded in pregnancy	Backfilled patient notes: Categorical value ——————— Any oedemas recorded in pregnancy ——————— 10820 non-missing values ——————— Coding [`prnprgnoyesdklbl`]: 0 = No 1 = Yes 2 = Not documented
prnbprenalpreg	Any renal function recorded in pregnancy	Backfilled patient notes: Categorical value ——————— Any renal functions recorded in pregnancy ——————— 10889 non-missing values ——————— Coding [`prnprgnoyesdklbl`]: 0 = No 1 = Yes 2 = Not documented
prnbprenalpregn	Number of renal function observations	Backfilled patient notes: Integer value ——————— Number of renal function observations recorded ——————— Range 0 to 21 Mean 1.57 10833 non-missing values

Family medical history

Variable	Variable Label	Details
prnprfhistdiab	FH of diabetes	Backfilled patient notes: Categorical value
		――――――――――
		Is there a family history of diabetes
		――――――――――
		10923 non-missing values
		――――――――――
		Coding [prnprgfamhistlbl]: 0 = No 1 = Yes 2 = Not documented
prnprfhistdiabch	FH of diabetes in woman's child	Backfilled patient notes: Categorical value
		――――――――――
		Is there a family history of diabetes in woman's child
		――――――――――
		10923 non-missing values
		――――――――――
		Coding [prnprgfamhistlbl]: 0 = No 1 = Yes 2 = Not documented
prnprfhistdiabfa	FH of diabetes in woman's father	Backfilled patient notes: Categorical value
		――――――――――
		Is there a family history of diabetes in woman's father
		――――――――――
		10923 non-missing values
		――――――――――
		Coding [prnprgfamhistlbl]: 0 = No 1 = Yes 2 = Not documented
prnprfhistdiabmo	FH of diabetes in woman's mother	Backfilled patient notes: Categorical value
		――――――――――
		Is there a family history of diabetes in woman's mother
		――――――――――
		10923 non-missing values
		――――――――――
		Coding [prnprgfamhistlbl]: 0 = No 1 = Yes 2 = Not documented

Variable	Variable Label	Details
prnprfhistdiabrelnd	FH of diabetes, relationship not documented	Backfilled patient notes: Categorical value ———————— Family history of diabetes, relationship not documented ———————— 10923 non-missing values ———————— Coding [prnprgfamrelhistlbl]: 0 = No family history 1 = Relatives documented 2 = Relatives not documented 3 = Family history not documented
prnprfhistdiabsb	FH of diabetes in woman's sibling	Backfilled patient notes: Categorical value ———————— Is there a family history of diabetes in woman's sibling ———————— 10923 non-missing values ———————— Coding [prnprgfamhistlbl]: 0 = No 1 = Yes 2 = Not documented
prnprfhistecl	FH of eclampsia	Backfilled patient notes: Categorical value ———————— Is there a family history of eclampsia ———————— 10920 non-missing values ———————— Coding [prnprgfamhistlbl]: 0 = No 1 = Yes 2 = Not documented
prnprfhisteclch	FH of eclampsia in woman's child	Backfilled patient notes: Categorical value ———————— Is there a family history of eclampsia in woman's child ———————— 10920 non-missing values ———————— Coding [prnprgfamhistlbl]: 0 = No 1 = Yes 2 = Not documented

Variable	Variable Label	Details
prnprfhisteclfa	FH of eclampsia in woman's father	Backfilled patient notes: Categorical value ————————— Is there a family history of eclampsia in woman's father ————————— 10920 non-missing values ————————— Coding [`prnprgfamhistlbl`]: 0 = No 1 = Yes 2 = Not documented
prnprfhisteclmo	FH of eclampsia in woman's mother	Backfilled patient notes: Categorical value ————————— Is there a family history of eclampsia in woman's mother ————————— 10920 non-missing values ————————— Coding [`prnprgfamhistlbl`]: 0 = No 1 = Yes 2 = Not documented
prnprfhisteclrelnd	FH of eclampsia, relationship not documented	Backfilled patient notes: Categorical value ————————— Family history of eclampsia, relationship not documented ————————— 10920 non-missing values ————————— Coding [`prnprgfamrelhistlbl`]: 0 = No family history 1 = Relatives documented 2 = Relatives not documented 3 = Family history not documented
prnprfhisteclsb	FH of eclampsia in woman's sibling	Backfilled patient notes: Categorical value ————————— Is there a family history of eclampsia in woman's sibling ————————— 10920 non-missing values ————————— Coding [`prnprgfamhistlbl`]: 0 = No 1 = Yes 2 = Not documented

Variable	Variable Label	Details
prnprfhisthyp	FH of high blood pressure	Backfilled patient notes: Categorical value
		————————
		Is there a family history of high blood pressure
		————————
		10925 non-missing values
		————————
		Coding [prnprgfamhistlbl]: 0 = No 1 = Yes 2 = Not documented
prnprfhisthypch	FH of hypertension in woman's child	Backfilled patient notes: Categorical value
		————————
		Is there a family history of hypertension in woman's child
		————————
		10925 non-missing values
		————————
		Coding [prnprgfamhistlbl]: 0 = No 1 = Yes 2 = Not documented
prnprfhisthypfa	FH of hypertension in woman's father	Backfilled patient notes: Categorical value
		————————
		Is there a family history of hypertension in woman's father
		————————
		10925 non-missing values
		————————
		Coding [prnprgfamhistlbl]: 0 = No 1 = Yes 2 = Not documented
prnprfhisthypmo	FH of hypertension in woman's mother	Backfilled patient notes: Categorical value
		————————
		Is there a family history of hypertension in woman's mother
		————————
		10925 non-missing values
		————————
		Coding [prnprgfamhistlbl]: 0 = No 1 = Yes 2 = Not documented

Variable	Variable Label	Details
prnprfhisthyprelnd	FH of hypertension, relationship not documented	Backfilled patient notes: Categorical value
		——————
		Family history of hypertension, relationship not documented
		——————
		10925 non-missing values
		——————
		Coding [prnprgfamrelhistlbl]: 0 = No family history 1 = Relatives documented 2 = Relatives not documented 3 = Family history not documented
prnprfhisthypsb	FH of hypertension in woman's sibling	Backfilled patient notes: Categorical value
		——————
		Is there a family history of hypertension in woman's sibling
		——————
		10925 non-missing values
		——————
		Coding [prnprgfamhistlbl]: 0 = No 1 = Yes 2 = Not documented
prnprfhistment	FH of mental illness	Backfilled patient notes: Categorical value
		——————
		Is there a family history of mental illness
		——————
		10926 non-missing values
		——————
		Coding [prnprgfamhistlbl]: 0 = No 1 = Yes 2 = Not documented
prnprfhistmentch	FH of mental illness in woman's child	Backfilled patient notes: Categorical value
		——————
		Is there a family history of mental illness in woman's child
		——————
		10926 non-missing values
		——————
		Coding [prnprgfamhistlbl]: 0 = No 1 = Yes 2 = Not documented

Variable	Variable Label	Details
prnprfhistmentfa	FH of mental illness in woman's father	Backfilled patient notes: Categorical value ———————— Is there a family history of mental illness in woman's father ———————— 10926 non-missing values ———————— Coding [`prnprgfamhistlbl`]: 0 = No 1 = Yes 2 = Not documented
prnprfhistmentmo	FH of mental illness in woman's mother	Backfilled patient notes: Categorical value ———————— Is there a family history of mental illness in woman's mother ———————— 10926 non-missing values ———————— Coding [`prnprgfamhistlbl`]: 0 = No 1 = Yes 2 = Not documented
prnprfhistmentrelnd	FH of mental illness, relationship not documented	Backfilled patient notes: Categorical value ———————— Family history of mental illness, relationship not documented ———————— 10926 non-missing values ———————— Coding [`prnprgfamrelhistlbl`]: 0 = No family history 1 = Relatives documented 2 = Relatives not documented 3 = Family history not documented
prnprfhistmentsb	FH of mental illness in woman's sibling	Backfilled patient notes: Categorical value ———————— Is there a family history of mental illness in woman's sibling ———————— 10926 non-missing values ———————— Coding [`prnprgfamhistlbl`]: 0 = No 1 = Yes 2 = Not documented

Variable	Variable Label	Details
prnprfhistthrom	FH of thrombosis	Backfilled patient notes: Categorical value ——————— Is there a family history of thrombosis ——————— 10924 non-missing values ——————— Coding [`prnprgfamhistlbl`]: 0 = No 1 = Yes 2 = Not documented
prnprfhistthromch	FH of thrombosis in woman's child	Backfilled patient notes: Categorical value ——————— Is there a family history of thrombosis in woman's child ——————— 10924 non-missing values ——————— Coding [`prnprgfamhistlbl`]: 0 = No 1 = Yes 2 = Not documented
prnprfhistthromfa	FH of thrombosis in woman's father	Backfilled patient notes: Categorical value ——————— Is there a family history of thrombosis in woman's father ——————— 10924 non-missing values ——————— Coding [`prnprgfamhistlbl`]: 0 = No 1 = Yes 2 = Not documented
prnprfhistthrommo	FH of thrombosis in woman's mother	Backfilled patient notes: Categorical value ——————— Is there a family history of thrombosis in woman's mother ——————— 10924 non-missing values ——————— Coding [`prnprgfamhistlbl`]: 0 = No 1 = Yes 2 = Not documented

Variable	Variable Label	Details
prnprfhistthromrelnd	FH of thrombosis, relationship not documented	Backfilled patient notes: Categorical value ——————— Family history of thrombosis, relationship not documented ——————— 10924 non-missing values ——————— Coding [prnprgfamrelhistlbl]: 0 = No family history 1 = Relatives documented 2 = Relatives not documented 3 = Family history not documented
prnprfhistthromsb	FH of thrombosis in woman's sibling	Backfilled patient notes: Categorical value ——————— Is there a family history of thrombosis in woman's sibling ——————— 10924 non-missing values ——————— Coding [prnprgfamhistlbl]: 0 = No 1 = Yes 2 = Not documented

Labour and birth

Variable	Variable Label	Details
prnbpbplabn	Number of BP obs in labour	Backfilled patient notes: Integer value
		Number of blood pressure observations in labour
		Range 0 to 13 Mean 0.90 9975 non-missing values
prnbpbplabtaken	Any BPs recorded in labour	Backfilled patient notes: Categorical value
		Any blood pressures recorded in labour
		10638 non-missing values
		Coding [prnprgnoyesdklbl]: 0 = No 1 = Yes 2 = Not documented
prnbpconfetmon	Continuous fetal monitoring	Backfilled patient notes: Categorical value
		Was continuous fetal monitoring performed
		50 non-missing values
		Coding [prnprgnoyesdklbl]: 0 = No 1 = Yes 2 = Not documented
prnbpdesigpsutur	Designation of person doing suturing	Backfilled patient notes: Text value
		Designation of person doing suturing
		4 unique values 10939 non-missing values
prnbpdruglab1	Other drugs during labour (1)	Backfilled patient notes: Text value
		What other drugs were taken during labour (1)
		65 unique values 10939 non-missing values

Variable	Variable Label	Details
prnbpdruglab2	Other drugs during labour (2)	Backfilled patient notes: Text value ⎯⎯⎯⎯⎯⎯ What other drugs were taken during labour (2) ⎯⎯⎯⎯⎯⎯ 48 unique values 10939 non-missing values
prnbpdruglab3	Other drugs during labour (3)	Backfilled patient notes: Text value ⎯⎯⎯⎯⎯⎯ What other drugs were taken during labour (3) ⎯⎯⎯⎯⎯⎯ 44 unique values 10939 non-missing values
prnbpdruglab4	Other drugs during labour (4)	Backfilled patient notes: Text value ⎯⎯⎯⎯⎯⎯ What other drugs were taken during labour (4) ⎯⎯⎯⎯⎯⎯ 29 unique values 10939 non-missing values
prnbpdruglab5	Other drugs during labour (5)	Backfilled patient notes: Text value ⎯⎯⎯⎯⎯⎯ What other drugs were taken during labour (5) ⎯⎯⎯⎯⎯⎯ 16 unique values 10939 non-missing values
prnbpdruglab6	Other drugs during labour (6)	Backfilled patient notes: Text value ⎯⎯⎯⎯⎯⎯ What other drugs were taken during labour (6) ⎯⎯⎯⎯⎯⎯ 12 unique values 10939 non-missing values
prnbpdruglab7	Other drugs during labour (7)	Backfilled patient notes: Text value ⎯⎯⎯⎯⎯⎯ What other drugs were taken during labour (7) ⎯⎯⎯⎯⎯⎯ 5 unique values 10939 non-missing values
prnbpdruglab8	Other drugs during labour (8)	Backfilled patient notes: Text value ⎯⎯⎯⎯⎯⎯ What other drugs were taken during labour (8) ⎯⎯⎯⎯⎯⎯ 2 unique values 10939 non-missing values

Variable	Variable Label	Details
prnbpelectcaes	Elective caesarean	Backfilled patient notes: Categorical value ————— Did the woman have an elective caesarean ————— 10934 non-missing values ————— Coding [prnprgnoyesdklbl]: 0 = No 1 = Yes 2 = Not documented
prnbpintfetmon	Intermittent fetal monitoring	Backfilled patient notes: Categorical value ————— Was intermittent fetal monitoring performed ————— 56 non-missing values ————— Coding [prnprgnoyesdklbl]: 0 = No 1 = Yes 2 = Not documented
prnbplaburprot	Was urine tested for protein in labour	Backfilled patient notes: Categorical value ————— Was urine tested for protein in labour ————— 10555 non-missing values ————— Coding [prnprgnoyesdklbl]: 0 = No 1 = Yes 2 = Not documented
prnbpoedemalab	Any oedemas recorded in labour	Backfilled patient notes: Categorical value ————— Were any oedemas recorded in labour ————— 10487 non-missing values ————— Coding [prnprgnoyesdklbl]: 0 = No 1 = Yes 2 = Not documented
prnbppainrellab1	Pain relief in labour (1)	Backfilled patient notes: Text value ————— Pain relief methods in labour (1) ————— 19 unique values 10939 non-missing values

Variable	Variable Label	Details
prnbppainrellab2	Pain relief in labour (2)	Backfilled patient notes: Text value
		——————
		Pain relief methods in labour (2)
		——————
		14 unique values
		10939 non-missing values
prnbppainrellab3	Pain relief in labour (3)	Backfilled patient notes: Text value
		——————
		Pain relief methods in labour (3)
		——————
		11 unique values
		10939 non-missing values
prnbppainrellab4	Pain relief in labour (4)	Backfilled patient notes: Text value
		——————
		Pain relief methods in labour (4)
		——————
		7 unique values
		10939 non-missing values
prnbppainrellab5	Pain relief in labour (5)	Backfilled patient notes: Text value
		——————
		Pain relief methods in labour (5)
		——————
		6 unique values
		10939 non-missing values
prnbppainrellab6	Pain relief in labour (6)	Backfilled patient notes: Text value
		——————
		Pain relief methods in labour (6)
		——————
		2 unique values
		10939 non-missing values

Variable	Variable Label	Details
prnbpperinealtr	Perineal trauma	Backfilled patient notes: Categorical value
		——————
		Degree of perineal trauma
		——————
		1695 non-missing values
		——————
		Coding [prnprgpertrlbl]:
		0 = None
		1 = 1st degree
		2 = 2nd degree
		3 = 3rd degree
		4 = 4th degree
		5 = Episiotomy
		6 = Laceration
		7 = Tear
		8 = Graze
		9 = Not documented
prnbppostsutexam	Post suturing examination	Backfilled patient notes: Categorical value
		——————
		Was there a post suturing examination
		——————
		791 non-missing values
		——————
		Coding [prnprgnoyesdklbl]:
		0 = No
		1 = Yes
		2 = Not documented
prnbppresutexam	Pre suturing examination	Backfilled patient notes: Categorical value
		——————
		Was there a pre suturing examination
		——————
		813 non-missing values
		——————
		Coding [prnprgnoyesdklbl]:
		0 = No
		1 = Yes
		2 = Not documented

Medical problems during pregnancy

Variable	Variable Label	Details
prnbpamnionoted	Amniocentesis noted	Backfilled patient notes: Categorical value
		Was an amniocentesis performed
		10888 non-missing values
		Coding [prnprgnoyesdklbl]: 0 = No 1 = Yes 2 = Not documented
prnbpamnioreasons	Amniocentesis reasons	Backfilled patient notes: Text value
		Reasons for amniocentesis
		12 unique values 10939 non-missing values
prnbpanaemianoted	Anaemia noted	Backfilled patient notes: Categorical value
		Was anaemia noted
		10911 non-missing values
		Coding [prnprgnoyesdklbl]: 0 = No 1 = Yes 2 = Not documented
prnbpanaemiaresult	Anaemia result	Backfilled patient notes: Continuous value
		Anaemia results
		Range 4.5 to 9.9 Mean 9.13 2518 non-missing values
prnbpantibody	Antibodies	Backfilled patient notes: Text value
		Were antibodies observed
		43 unique values 10939 non-missing values

Variable	Variable Label	Details
prnbpcervcerc	Cervical Cerclage	Backfilled patient notes: Categorical value
		Was cervical cerclage performed
		10909 non-missing values
		Coding [prnprgnoyesdklbl]: 0 = No 1 = Yes 2 = Not documented
prnbpchrovillsamp	Chorionic villus sampling	Backfilled patient notes: Categorical value
		Was chorionic villus sampling performed
		10909 non-missing values
		Coding [prnprgnoyesdklbl]: 0 = No 1 = Yes 2 = Not documented
prnbpchrovsreasons	Reasons for chorionic villus sampling	Backfilled patient notes: Text value
		Reasons for chorionic villus sampling
		2 unique values 10939 non-missing values
prnbpdischinf	Vaginal discharge/infection	Backfilled patient notes: Categorical value
		Did the woman have vaginal discharge/infection
		10921 non-missing values
		Coding [prnprgnoyesdklbl]: 0 = No 1 = Yes 2 = Not documented
prnbpeclampconv	Eclamptic convulsions	Backfilled patient notes: Categorical value
		Did the woman have eclamptic convulsions
		10928 non-missing values
		Coding [prnprgnoyesdklbl]: 0 = No 1 = Yes 2 = Not documented

Variable	Variable Label	Details
prnbpextceph	External cephallic version	Backfilled patient notes: Categorical value
		———————
		Was external cephallic version performed
		———————
		10927 non-missing values
		———————
		Coding [`prnprgnoyesdklbl`]: 0 = No 1 = Yes 2 = Not documented
prnbpgdm	GDM diagnosed	Backfilled patient notes: Categorical value
		———————
		Was the woman diagnosed with gestational diabetes mellitus (GDM)
		———————
		10921 non-missing values
		———————
		Coding [`prnprgnoyesdklbl`]: 0 = No 1 = Yes 2 = Not documented
prnbpgdmt_diet	GDM treatment: diet	Backfilled patient notes: Categorical value
		———————
		GDM treatment: diet
		———————
		482 non-missing values
		———————
		Coding [`prnprgnoyesdklbl`]: 0 = No 1 = Yes 2 = Not documented
prnbpgdmt_insulin	GDM treatment: insulin	Backfilled patient notes: Categorical value
		———————
		GDM treatment: insulin
		———————
		580 non-missing values
		———————
		Coding [`prnprgnoyesdklbl`]: 0 = No 1 = Yes 2 = Not documented

Variable	Variable Label	Details
prnbpgdmt_lifestyle	GDM treatment: lifestyle changes	Backfilled patient notes: Categorical value
		————————
		GDM treatment: lifestyle changes
		————————
		331 non-missing values
		————————
		Coding [prnprgnoyesdklbl]: 0 = No 1 = Yes 2 = Not documented
prnbpgdmt_metformin	GDM treatment: metformin	Backfilled patient notes: Categorical value
		————————
		GDM treatment: metformin
		————————
		50 non-missing values
		————————
		Coding [prnprgnoyesdklbl]: 0 = No 1 = Yes 2 = Not documented
prnbpgdmt_none	GDM no treatment	Backfilled patient notes: Categorical value
		————————
		GDM no treatment
		————————
		1663 non-missing values
		————————
		Coding [prnprgnoyesdklbl]: 0 = No 1 = Yes 2 = Not documented
prnbpgdmt_notdoc	GDM treatment not documented	Backfilled patient notes: Categorical value
		————————
		GDM treatment not documented
		————————
		25 non-missing values
		————————
		Coding [prnprgnotdoclbl]: 0 = Documented 1 = Not documented

Variable	Variable Label	Details
prnbpgenherpes	Genital herpes	Backfilled patient notes: Categorical value ———————— Did the woman have genital herpes ———————— 10927 non-missing values ———————— Coding [`prnprgnoyesdklbl`]: 0 = No 1 = Yes 2 = Not documented
prnbpgestht	Gestational hypertension	Derived: Categorical value ———————— Did the woman develop gestational hypertension ———————— 10895 non-missing values ———————— Coding [`prnprgnoyeslbl`]: 0 = No 1 = Yes
prnbpgonorrhoea	Gonorrhoea	Backfilled patient notes: Categorical value ———————— Did the woman have gonorrhoea ———————— 10926 non-missing values ———————— Coding [`prnprgnoyesdklbl`]: 0 = No 1 = Yes 2 = Not documented
prnbphdp	HDP category	Backfilled patient notes: Categorical value ———————— Hypertensive disorders of pregnancy category. Gestational hypertension was defined as new onset elevated blood pressure after 20 weeks gestation where systolic blood presure was 140mmHg or greater and/or diastolic blood pressure 90mmHg or greater on two or more occasions. Pre-eclampsia was defined as gestational hypertension plus proteinurea 1+ or greater. ———————— 10895 non-missing values ———————— Coding [`prnprghdplbl`]: 1 = Normotensive 2 = Gestational HT 3 = Pre-eclampsia

Variable	Variable Label	Details
prnbphepatitisb	Hepatitis b	Backfilled patient notes: Categorical value
		————————
		Did the woman have hepatitis b
		————————
		10926 non-missing values
		————————
		Coding [prnprgnoyesdklbl]: 0 = No 1 = Yes 2 = Not documented
prnbphyperemesis	Hyperemesis	Backfilled patient notes: Categorical value
		————————
		Did the woman experience hyperemesis
		————————
		10928 non-missing values
		————————
		Coding [prnprgnoyesdklbl]: 0 = No 1 = Yes 2 = Not documented
prnbpivf	In vitro fertilisation	Backfilled patient notes: Categorical value
		————————
		Did the woman have in vitro fertilisation
		————————
		10927 non-missing values
		————————
		Coding [prnprgnoyesdklbl]: 0 = No 1 = Yes 2 = Not documented
prnbpoligohydram	Oligohydramnios	Backfilled patient notes: Categorical value
		————————
		Did the woman have oligohydramnios
		————————
		10925 non-missing values
		————————
		Coding [prnprgnoyesdklbl]: 0 = No 1 = Yes 2 = Not documented

Variable	Variable Label	Details
prnbpplacpraev	Placenta praevia	Backfilled patient notes: Categorical value —————— Did the woman have placenta praevia —————— 10928 non-missing values —————— Coding [prnprgnoyesdklbl]: 0 = No 1 = Yes 2 = Not documented
prnbppolyhydr	Polyhydramnios/hydramnios	Backfilled patient notes: Categorical value —————— Did the woman have polyhydramnios/hydramnios —————— 10929 non-missing values —————— Coding [prnprgnoyesdklbl]: 0 = No 1 = Yes 2 = Not documented
prnbppreeclampsia	Pre-eclampsia	Derived: Categorical value —————— Did the woman develop pre-eclampsia —————— 10895 non-missing values —————— Coding [prnprgnoyeslbl]: 0 = No 1 = Yes
prnbppregadmany	Any hospital admissions in pregnancy	Backfilled patient notes: Categorical value —————— Did the woman have any hospital admissions in pregnancy —————— 1803 non-missing values —————— Coding [prnprgnoyesdklbl]: 0 = No 1 = Yes 2 = Not documented
prnbppregadmn	Number hospital admissions in pregnancy	Backfilled patient notes: Integer value —————— Number hospital admissions in pregnancy —————— Range 0 to 15 Mean 0.82 1793 non-missing values

Variable	Variable Label	Details
prnbpsfetgrthret	Suspected fetal growth retardation	Backfilled patient notes: Categorical value
		————————
		Was fetal growth retardation suspected
		————————
		10929 non-missing values
		————————
		Coding [prnprgnoyesdklbl]: 0 = No 1 = Yes 2 = Not documented
prnbpsyphilis	Syphilis	Backfilled patient notes: Categorical value
		————————
		Did the woman have syphilis
		————————
		10928 non-missing values
		————————
		Coding [prnprgnoyesdklbl]: 0 = No 1 = Yes 2 = Not documented
prnbpthrpreterm	Threatened preterm birth	Backfilled patient notes: Categorical value
		————————
		Was preterm birth threatened
		————————
		10929 non-missing values
		————————
		Coding [prnprgnoyesdklbl]: 0 = No 1 = Yes 2 = Not documented
prnbpurtrinf	Urinary tract infection	Backfilled patient notes: Categorical value
		————————
		Did the woman have a urinary tract infection
		————————
		10928 non-missing values
		————————
		Coding [prnprgnoyesdklbl]: 0 = No 1 = Yes 2 = Not documented

Variable	Variable Label	Details
prnbpvagbld1st	Vaginal bleeding 1st trimester	Backfilled patient notes: Categorical value
		Did the woman have vaginal bleeding in the 1st trimester
		10929 non-missing values
		Coding [prnprgnoyesdklbl]: 0 = No 1 = Yes 2 = Not documented
prnbpvagbld2nd	Vaginal bleeding 2nd trimester	Backfilled patient notes: Categorical value
		Did the woman have vaginal bleeding in the 2nd trimester
		10928 non-missing values
		Coding [prnprgnoyesdklbl]: 0 = No 1 = Yes 2 = Not documented
prnbpvagbld3rd	Vaginal bleeding 3rd trimester	Backfilled patient notes: Categorical value
		Did the woman have vaginal bleeding in the 3rd trimester
		10926 non-missing values
		Coding [prnprgnoyesdklbl]: 0 = No 1 = Yes 2 = Not documented

Postpartum

Variable	Variable Label	Details
prnbpbppostn	Number of BPs recorded post partum	Backfilled patient notes: Integer value ――――――― Number of blood pressures recorded post partum ――――――― Range 0 to 155 Mean 3.50 10664 non-missing values
prnbpbppostrec	Any BPs recorded postpartum	Backfilled patient notes: Categorical value ――――――― Were any blood pressures recorded postpartum ――――――― 10921 non-missing values ――――――― Coding [prnprgnoyesdklbl]: 0 = No 1 = Yes 2 = Not documented
prnbppostadmany	Any hospital admissions postpartum	Backfilled patient notes: Categorical value ――――――― Did the woman have any hospital admissions postpartum ――――――― 10787 non-missing values ――――――― Coding [prnprgnoyesdklbl]: 0 = No 1 = Yes 2 = Not documented
prnbppostadmn	Number of hospital admissions post partum	Backfilled patient notes: Integer value ――――――― Number of hospital admissions post partum ――――――― Range 0 to 3 Mean 0.01 10716 non-missing values

Pre-existing conditions

Variable	Variable Label	Details
prnbpexhyper	Preexisting hypertension	Derived: Categorical value ——————— Preexisting hypertension ——————— 10429 non-missing values ——————— Coding [prnprgeclprgyesno]: 0 = No 1 = Yes
prnprexconany	Any pre-existing condition	Backfilled patient notes: Categorical value ——————— Does the woman have any pre-existing conditions ——————— 9673 non-missing values ——————— Coding [prnprgpreexistcondlbl]: 0 = No 1 = Yes 2 = Not documented
prnprexconasthma	Pre-existing asthma	Backfilled patient notes: Categorical value ——————— Does the woman have pre-existing asthma ——————— 2546 non-missing values ——————— Coding [prnprgpreexistcondlbl]: 0 = No 1 = Yes 2 = Not documented
prnprexconbackprob	Pre-existing back problems	Backfilled patient notes: Categorical value ——————— Does the woman have pre-existing back problems ——————— 2361 non-missing values ——————— Coding [prnprgpreexistcondlbl]: 0 = No 1 = Yes 2 = Not documented

Variable	Variable Label	Details
prnprexcondoth1	Other pre-existing condition 1	Backfilled patient notes: Text value
		_____
		Does the woman have other pre-existing condition 1
		_____
		291 unique values
		10939 non-missing values
prnprexcondoth2	Other pre-existing condition 2	Backfilled patient notes: Text value
		_____
		Does the woman have other pre-existing condition 2
		_____
		88 unique values
		10939 non-missing values
prnprexcondoth3	Other pre-existing condition 3	Backfilled patient notes: Text value
		_____
		Does the woman have other pre-existing condition 3
		_____
		22 unique values
		10939 non-missing values
prnprexcondoth4	Other pre-existing condition 4	Backfilled patient notes: Text value
		_____
		Does the woman have other pre-existing condition 4
		_____
		5 unique values
		10939 non-missing values
prnprexconeclampsia	Previous eclampsia	Backfilled patient notes: Categorical value
		_____
		Has the woman previous had eclampsia
		_____
		1903 non-missing values
		_____
		Coding [prnprgpreexistcondlbl]:
		0 = No
		1 = Yes
		2 = Not documented

Variable	Variable Label	Details
prnprexconepilepsy	Pre-existing epilepsy	Backfilled patient notes: Categorical value
		————————
		Does the woman have pre-existing epilepsy
		————————
		1934 non-missing values
		————————
		Coding [prnprgpreexistcondlbl]: 0 = No 1 = Yes 2 = Not documented
prnprexconfemcirc	Pre-existing female circumcision	Backfilled patient notes: Categorical value
		————————
		Has the woman undergone female circumcision
		————————
		1908 non-missing values
		————————
		Coding [prnprgpreexistcondlbl]: 0 = No 1 = Yes 2 = Not documented
prnprexconfertprob	Pre-existing fertility problems	Backfilled patient notes: Categorical value
		————————
		Does the woman have pre-existing fertility problems
		————————
		2096 non-missing values
		————————
		Coding [prnprgpreexistcondlbl]: 0 = No 1 = Yes 2 = Not documented
prnprexcongeninf	Pre-existing genital infection	Backfilled patient notes: Categorical value
		————————
		Does the woman have pre-existing genital infection
		————————
		1936 non-missing values
		————————
		Coding [prnprgpreexistcondlbl]: 0 = No 1 = Yes 2 = Not documented

Variable	Variable Label	Details
prnprexcongynprob	Pre-existing gynae problems	Backfilled patient notes: Categorical value
		Does the woman have pre-existing gynae problems
		2053 non-missing values
		Coding [prnprgpreexistcondlbl]: 0 = No 1 = Yes 2 = Not documented
prnprexconheartprob	Pre-existing heart problems	Backfilled patient notes: Categorical value
		Does the woman have pre-existing heart problems
		1954 non-missing values
		Coding [prnprgpreexistcondlbl]: 0 = No 1 = Yes 2 = Not documented
prnprexconhighbp	Pre-existing high blood pressure	Backfilled patient notes: Categorical value
		Does the woman have pre-existing high blood pressure
		2014 non-missing values
		Coding [prnprgpreexistcondlbl]: 0 = No 1 = Yes 2 = Not documented
prnprexconincont	Pre-existing incontinence	Backfilled patient notes: Categorical value
		Does the woman have pre-existing incontinence
		1956 non-missing values
		Coding [prnprgpreexistcondlbl]: 0 = No 1 = Yes 2 = Not documented

Variable	Variable Label	Details
prnprexconkidprob	Pre-existing kidney problems	Backfilled patient notes: Categorical value
		Does the woman have pre-existing kidney problems
		2001 non-missing values
		Coding [prnprgpreexistcondlbl]: 0 = No 1 = Yes 2 = Not documented
prnprexconlivdis	Pre-existing liver disease	Backfilled patient notes: Categorical value
		Does the woman have pre-existing liver disease
		1902 non-missing values
		Coding [prnprgpreexistcondlbl]: 0 = No 1 = Yes 2 = Not documented
prnprexconmentheal	Pre-existing mental illness	Backfilled patient notes: Categorical value
		Does the woman have pre-existing mental illness
		2141 non-missing values
		Coding [prnprgpreexistcondlbl]: 0 = No 1 = Yes 2 = Not documented
prnprexconmigraine	Pre-existing migraine	Backfilled patient notes: Categorical value
		Does the woman have pre-existing migraine
		2448 non-missing values
		Coding [prnprgpreexistcondlbl]: 0 = No 1 = Yes 2 = Not documented

Variable	Variable Label	Details
prnprexconsti	Pre-existing constipation	Backfilled patient notes: Categorical value
		——————
		Does the woman have pre-existing constipation
		——————
		1940 non-missing values
		——————
		Coding [prnprgpreexistcondlbl]: 0 = No 1 = Yes 2 = Not documented
prnprexcont1dm	Pre-existing type 1 diabetes	Backfilled patient notes: Categorical value
		——————
		Does the woman have pre-existing type 1 diabetes
		——————
		1910 non-missing values
		——————
		Coding [prnprgpreexistcondlbl]: 0 = No 1 = Yes 2 = Not documented
prnprexcont2dm	Pre-existing type 2 diabetes	Backfilled patient notes: Categorical value
		——————
		Does the woman have pre-existing type 2 diabetes
		——————
		1901 non-missing values
		——————
		Coding [prnprgpreexistcondlbl]: 0 = No 1 = Yes 2 = Not documented
prnprexcontbexp	Pre-existing TB exposure	Backfilled patient notes: Categorical value
		——————
		Does the woman have pre-existing TB exposure
		——————
		1935 non-missing values
		——————
		Coding [prnprgpreexistcondlbl]: 0 = No 1 = Yes 2 = Not documented

Variable	Variable Label	Details
prnprexconthromb	Pre-existing thrombosis	Backfilled patient notes: Categorical value
		Does the woman have pre-existing thrombosis
		1912 non-missing values
		Coding [prnprgpreexistcondlbl]: 0 = No 1 = Yes 2 = Not documented
prnprexconthryroid	Pre-existing thyroid problems	Backfilled patient notes: Categorical value
		Does the woman have pre-existing thyroid problems
		2027 non-missing values
		Coding [prnprgpreexistcondlbl]: 0 = No 1 = Yes 2 = Not documented

Maternal records abstraction: Proteinuria

Database ID for source: `prnprt`

This source is measured at the **pregnancy** level. It contains data from 7375 pregnancies with more than one observation per pregnancy. There are 4 variables with a total of 17300 observations.

Description

Abstraction of routine information from maternal paper records for the Born in Bradford cohort. The abstraction was funded by a NIHR HTA project (11-99-02). Four trained research assistants abstracted data from maternal paper records. The abstraction was conducted in 2013. Only women with completed baseline questionnaires, oral glucose tolerance test results and birth outcomes were eligible. Data were entered straight into a web database. Accuracy of abstractions were checked on 5% of records for all abstracted data, all error rates were less than 1%. This source contains information about proteinuria observations during the BiB pregnancy.

Variable	Variable Label	Details
prnbpproteinuria	Pregnancy proteinuria observation	Backfilled patient notes: Categorical value
		——————
		Pregnancy proteinuria observation
		——————
		17300 non-missing values
		7375 pregnancies with between 1 and 20 observations each
		——————
		Coding [`prnprtprotlbl`]:
		1 = Not documented
		2 = Nil
		3 = Trace
		4 = +
		5 = ++
		6 = +++
		7 = ++++ or more
prnbpprotrectime	Time of pregnancy proteinuria observation	Backfilled patient notes: Text value
		——————
		Time of pregnancy proteinuria observation (rarely recorded)
		——————
		362 unique values
		2973 non-missing values
		7375 pregnancies with between 1 and 13 observations each

Variable	Variable Label	Details
prnprtgestaged	Gestational age in days at pregnancy proteinuria observation	Backfilled patient notes: Integer value Gestational age in days at pregnancy proteinuria observation Range 1 to 290 Mean 225.14 17300 non-missing values 7375 pregnancies with between 1 and 20 observations each
prnprtgestagew	Gestational age in weeks at pregnancy proteinuria observation	Backfilled patient notes: Integer value Gestational age in weeks at pregnancy proteinuria observation Range 0 to 41 Mean 31.73 17300 non-missing values 7375 pregnancies with between 1 and 20 observations each