

# Born in Bradford Data Dictionary

## Baby Blood Biomarkers

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### Background

This document is a data dictionary for Baby Blood Biomarkers. It describes 13 variables from 1 source. This document was built from Born in Bradford database version BUILD-JAN2018.

### Born in Bradford

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

## Study identifiers

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

Variable	Variable Label	Details
<b>ChildID</b>	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.
<b>FatherID</b>	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.
<b>MotherID</b>	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.
<b>PregnancyID</b>	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

## Cord Bloods

Database ID for source: crdbl1d

This source is measured at the **child** level. It contains data from 7910 children with one observation per child. There are 13 variables with a total of 7910 observations.

### Description

Biomarkers taken from baby cord bloods for a subcohort of 2176 between Oct 2008 and Oct 2009.

Variable	Variable Label	Details
<b>cbldadiponectin</b>	Cord blood adiponectin	<p>Blood test: Continuous value</p> <hr/> <p>Cord blood adiponectin</p> <hr/> <p>Range 2.6 to 98.1 Mean 31.67 2176 non-missing values</p>
<b>cbldbatch</b>	Cord blood batch	<p>Derived: Categorical value</p> <hr/> <p>Cord bloods were analysed in two batches, in 2012 and in 2017.</p> <hr/> <p>7910 non-missing values</p> <hr/> <p>Coding [cbldbatch1ab]: 1 = Cord bloods batch 1: 2012 2 = Cord bloods batch 2: 2017</p>
<b>cbldchol</b>	Cord blood Cholesterol	<p>Blood test: Continuous value</p> <hr/> <p>Cord blood Cholesterol (mmol/L)</p> <hr/> <p>Range 0.71 to 5.11 Mean 1.70 2176 non-missing values</p>
<b>cbldcrp</b>	Cord blood CRP	<p>Blood test: Continuous value</p> <hr/> <p>Cord bloods C-reactive Protein (mg/L)</p> <hr/> <p>Range 0 to 101.94 Mean 3.09 260 non-missing values</p>

Variable	Variable Label	Details
<b>cbldcrp_miss</b>	Cord blood CRP missing reason	<p>Derived: Categorical value</p> <hr/> <p>Cord blood CRP: reason for missing value.</p> <hr/> <p>1917 non-missing values</p> <hr/> <p>Coding [cbldcrp_misslab]:            1 = CRP: value &lt;0.20 mg/L            2 = CRP: value &lt;0.24 mg/L            3 = CRP: insufficient sample</p>
<b>cbldhdl</b>	Cord blood HDL	<p>Blood test: Continuous value</p> <hr/> <p>Cord blood HDL (mmol/l)</p> <hr/> <p>Range 0.09 to 1.66            Mean 0.66            2176 non-missing values</p>
<b>cbldinsulin</b>	Insulin	<p>Blood test: Continuous value</p> <hr/> <p>Insulin (mU l)</p> <hr/> <p>Range 0.1 to 330.2            Mean 5.13            7828 non-missing values</p>
<b>cbldinsulin_miss</b>	Cord blood insulin missing reason	<p>Derived: Categorical value</p> <hr/> <p>Cord blood insulin: reason for missing value.</p> <hr/> <p>82 non-missing values</p> <hr/> <p>Coding [cbldinsulin_misslab]:            1 = Insulin: value &lt;0.1 mU/L            2 = Insulin: value &gt;25 mU/L            3 = Insulin: insufficient sample</p>
<b>cbldldl</b>	Cord blood LDL	<p>Blood test: Continuous value</p> <hr/> <p>Cord blood LDL(mmo/l)</p> <hr/> <p>Range 0.0228311 to 3.21498            Mean 0.80            2176 non-missing values</p>

Variable	Variable Label	Details
<b>cbdleptin</b>	Cord blood leptin	<p>Blood test: Continuous value</p> <hr/> <p>Cord blood Leptin (ng/ml)</p> <hr/> <p>Range 0.15 to 430.87  Mean 10.53  7889 non-missing values</p>
<b>cbdleptin_miss</b>	Cord blood leptin missing reason	<p>Derived: Categorical value</p> <hr/> <p>Cord blood leptin: reason for missing value.</p> <hr/> <p>20 non-missing values</p> <hr/> <p>Coding [cbdleptin_misslab]:  1 = Sample haemolysed</p>
<b>cbldtrig</b>	Triglyceride	<p>Blood test: Continuous value</p> <hr/> <p>Triglyceride (mmol/L)</p> <hr/> <p>Range 0.18 to 2.64  Mean 0.53  2176 non-missing values</p>
<b>cbldvldl</b>	Cord blood VLDL	<p>Blood test: Continuous value</p> <hr/> <p>Cord blood VLDL (mmol/l)</p> <hr/> <p>Range 0.0821918 to 1.20548  Mean 0.24  2176 non-missing values</p>