

# Child Health Profile

## Bolton

March 2012

This profile provides a snapshot of child health in this area. It is designed to help the local authority and primary care trust improve the health and well-being of children and tackle health inequalities.

This profile is produced by the Child and Maternal Health Observatory (ChiMat) working with North West Public Health Observatory (NWPHO).

The child population in this area	Local	North West	England
<b>Live births in 2010</b>	3,860	89,199	687,007
<b>Children (age 0-4 years), 2010</b>	18,800	428,400	3,267,100
<b>% of total population</b>	7.1%	6.2%	6.3%
<b>Children (age 0-19 years), 2010</b>	69,600	1,667,400	12,417,500
<b>% of total population</b>	26.1%	24.0%	23.8%
<b>Children (age 0-19 years) predicted in 2020</b>	70,300	1,670,100	12,898,400
<b>% of total population</b>	25.7%	23.3%	23.0%
<b>School age children from black/ethnic minority group</b>	10,453	141,205	1,586,340
<b>% of school age population (age 5-16 years)</b>	27.4%	16.1%	24.6%
<b>% of children living in poverty (age under 16 years)</b>	24.4%	23.7%	21.9%
<b>Life expectancy at birth</b>			
<b>Boys</b>	76.5	77.0	78.6
<b>Girls</b>	80.6	81.1	82.6

### Children living in poverty

Map of the North West area showing the relative levels of children living in poverty.



% Children living in poverty

13.2 – 16.6
16.7 – 21.0
21.1 – 26.3
26.4 – 29.9
30.0 – 39.9

Contains Ordnance Survey data © Crown copyright database right 2012

Data sources: Live births, Office for National Statistics (ONS) 2010; population estimates, ONS midyear estimates 2010; population projections, ONS (based on 2008 mid year estimates); black/ethnic minority maintained school population, Department for Education 2011; children living in poverty, Her Majesty's Revenue and Customs (HMRC) 2009; life expectancy, ONS 2008-10

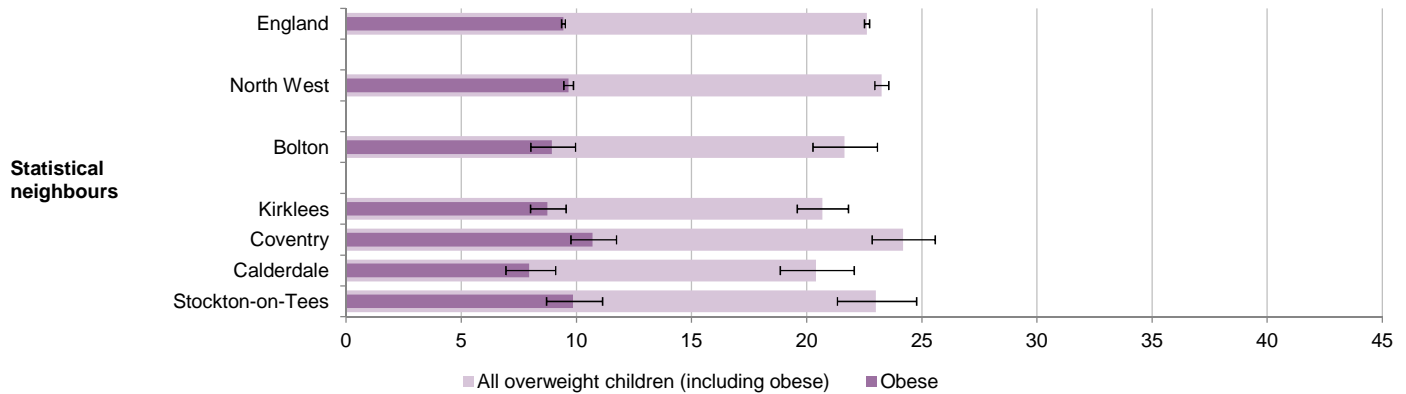
### Key findings

- Around 26% of the population of Bolton is under the age of 20. Around 27% of school children are from a black or minority ethnic group.
- The health and well-being of children in Bolton is generally worse than the England average. The infant mortality rate is similar to the England average and the child mortality rate is worse than the England average.
- The level of child poverty is worse than the England average with 24% of children aged under 16 years living in poverty.
- 9% of children in Reception and 21% of children in Year 6 are classified as obese. 56% of children participate in at least three hours of sport a week which is similar to the England average.
- The MMR immunisation rate is higher than the England average. Immunisation rates for diphtheria, tetanus, polio, pertussis and Hib in children aged two are higher than the England average.
- The hospital admission rate for substance misuse is higher than the England average. The percentage of children who say they use drugs is lower than the England average.

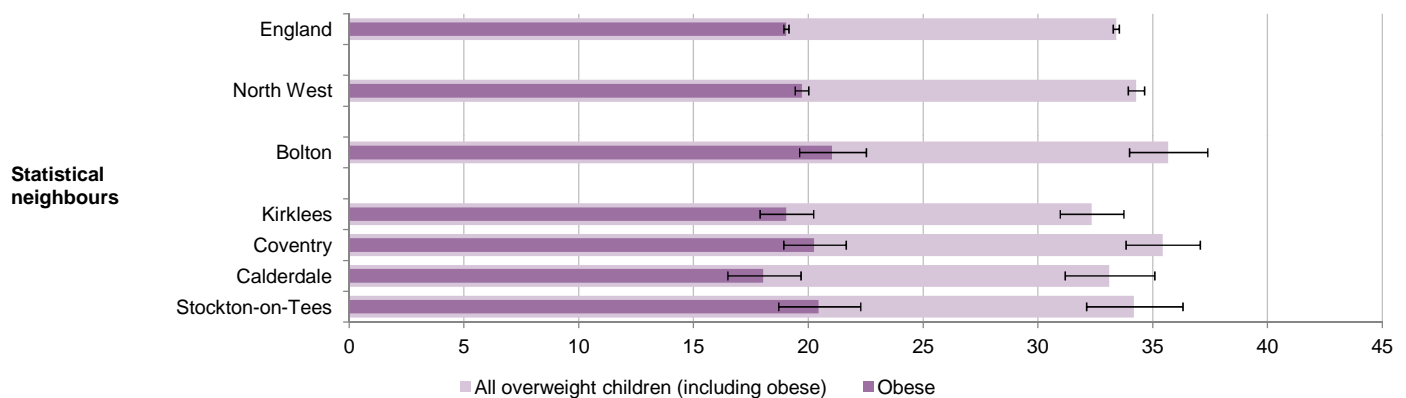
## Childhood obesity

These charts show the percentage of children classified as obese or overweight in Reception (aged 4-5 years) and Year 6 (aged 10-11 years) by local authority compared to their statistical neighbours. This area has a similar percentage in Reception and a higher percentage in Year 6 classified as obese or overweight compared to the England average.

### Children aged 4-5 years classified as obese or overweight, 2010/11 (percentage)



### Children aged 10-11 years classified as obese or overweight, 2010/11 (percentage)



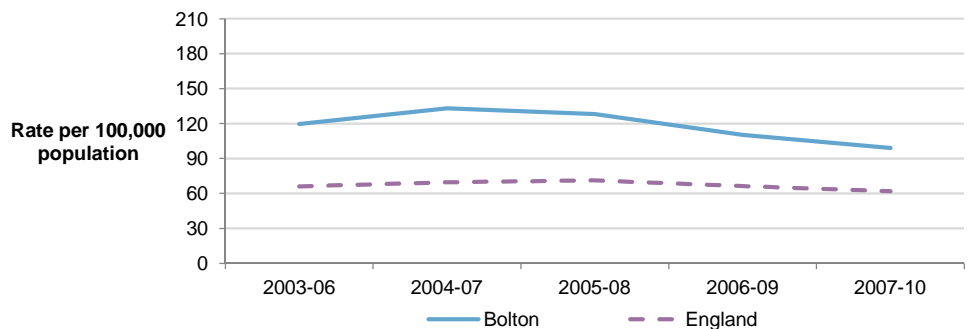
Note: This analysis uses the 85th and 95th centiles of the British 1990 growth reference (UK90) for BMI to classify children as overweight and obese. I indicates 95% confidence interval.

Data source: National Child Measurement Programme (NCMP), NHS Information Centre for health and social care.

## Young people and alcohol

### Young people aged under 18 admitted to hospital with alcohol specific conditions (rate per 100,000 population aged 0-17 years)

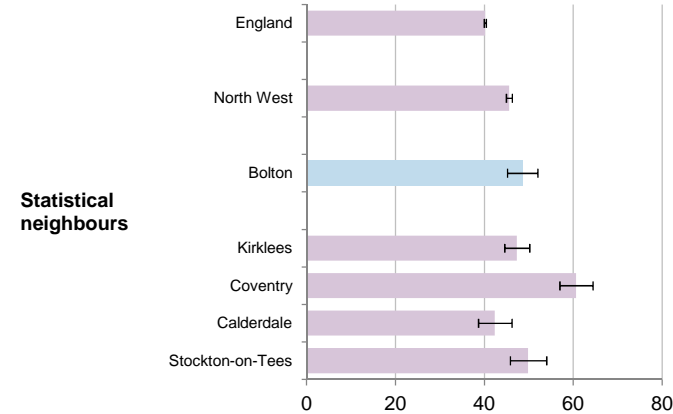
In comparison with the 2003-06 period, the rate of young people under 18 who are admitted to hospital because they have a condition wholly related to alcohol such as alcohol overdose has decreased in the 2007-10 period. Overall rates of admission in the 2007-10 period are higher than the England average.



Data source: Hospital Episode Statistics (HES), The NHS Information Centre for health and social care.

These charts compare Bolton with statistically similar areas (its 'statistical neighbours'), the England and regional average and, where available, the European average.

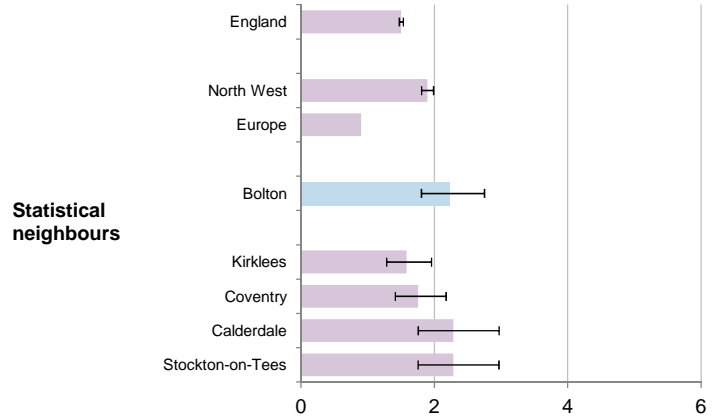
**Teenage conceptions in girls aged under 18 years, 2007-09 (rate per 1,000 female population aged 15-17 years)**



During the 2007-09 period, approximately 49 girls aged under 18 conceived for every 1,000 of the female population aged 15-17 years in this area. This is similar to the regional average. The area has a higher teenage conception rate compared to the England average.

Data source: Office of National Statistics (ONS)/ Teenage Pregnancy Unit

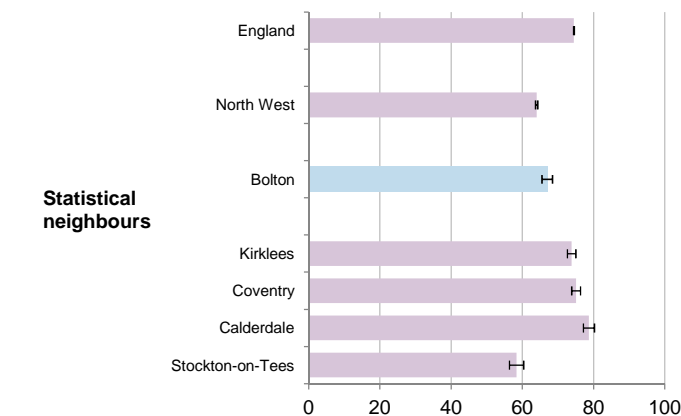
**Teenage mothers aged under 18 years, 2010/11 (percentage of all deliveries)**



In 2010/11, 2.2% of women giving birth in this area were aged under 18 years. This is similar to the regional average. This area has a higher percentage of births to teenage girls compared to the England average and a higher percentage compared to the European\* median.

Data source: Hospital Episode Statistics, NHS Information Centre  
\* European data are from 2004

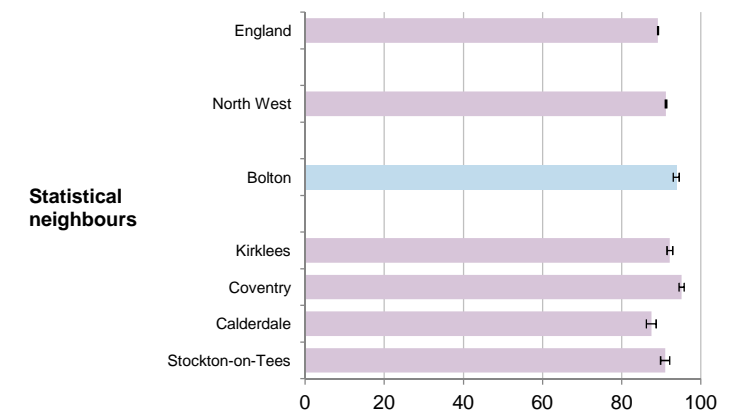
**Breastfeeding initiation - 2010/11 (percentage of maternities where status is known)**



In this area, 67% of mothers initiate breastfeeding when their baby is born. This is lower than the England average. By six to eight weeks after birth 35.5% of mothers are still breastfeeding.

Data source: Vital Signs Monitoring Report, Department of Health

**Measles, mumps and rubella (MMR) immunisation by age 2 years, 2010/11 (percentage of children age 2 years)**



A higher percentage of children (93.8%) have received their first dose of immunisation by the age of two in this area when compared to the England average. By the age of five, the percentage of children who have received their second dose of MMR immunisation is lower with 89.9% of children being immunised. This is higher than the England average.

Data source: NHS Information Centre for health and social care

Note: Where no data are available or have been suppressed, no bar will appear in the chart for that area.

### Summary of child health and well-being in Bolton

The chart below shows how children's health and well-being in this area compares with the rest of England. The local result for each indicator is shown as a circle, against the range of results for England which are shown as a grey bar. The red line indicates the England average. The key to the colour of the circles is shown below.

- Significantly worse than England average
- Not significantly different
- Significance not tested
- Significantly better than England average
- ◆ Regional average



	Indicator	Local no. per year	Local value	Eng. ave.	Eng. worst	Eng. best
Preventable mortality	1 Infant mortality rate	22	5.8	4.6	8.0	2.2
	2 Child mortality rate (age 1-17 years)	13	22.5	16.5	27.6	10.5
Health protection	3 MMR immunisation (by age 2 years)	3,694	93.8	89.1	75.4	96.8
	4 Diphtheria, Tetanus, Polio, Pertussis, Hib immunisations (by age 2 years)	3,839	97.5	96.0	87.3	98.9
	5 Children in care immunisations	240	62.3	79.0	20.4	100.0
	6 Chlamydia diagnosis rate (age 15-24 years)	668	19.6	13.4	43.5	4.4
Wider determinants of ill health	7 Children achieving a good level of development at age 5	2,131	60.0	59.0	48.0	74.0
	8 GCSE achieved (5A*-C inc. Eng and maths)	2,033	59.5	58.3	40.5	74.4
	9 GCSE achieved (5A*-C inc. Eng and maths) for children in care	-	-	12.8	0.0	40.0
	10 Not in education, employment or training	690	8.0	6.0	11.4	2.7
	11 First time entrants to the Youth Justice System	263	940.0	1,160.0	2,410.0	390.0
	12 Children living in poverty (aged under 16 years)	13,775	24.4	21.9	50.9	7.4
	13 Rate of family homelessness	262	2.3	1.9	7.3	0.1
	14 Children in care	520	83.0	59.0	142.0	20.0
Health improvement	15 Children killed/seriously injured in road traffic accidents	17	28.4	23.6	64.2	2.1
	16 Obese children (age 4-5 years)	297	8.9	9.4	14.6	5.5
	17 Obese children (age 10-11 years)	635	21.0	19.0	26.3	10.3
	18 Participation in at least 3 hours of sport/PE	20,162	55.6	55.1	40.9	79.5
	19 Teenage conception rate (age under 18 years)	262	48.5	40.2	69.4	15.3
	20 Teenage mothers (age under 18 years)	84	2.2	1.5	3.5	0.3
	21 Children's tooth decay (at age 12)	-	0.9	0.7	1.5	0.2
	22 Hospital admissions due to alcohol specific conditions	62	99.0	61.8	154.9	18.6
	23 Children and young people using alcohol	-	17.0	15.0	23.0	3.0
	24 Hospital admissions due to substance misuse (age 15-24 years)	37	105.8	63.5	163.6	19.8
Prevention of ill health	25 Children and young people using drugs	-	2.0	4.0	13.0	0.0
	26 Children and young people smoking	-	5.0	4.0	9.0	1.0
	27 Breastfeeding initiation	2,561	67.0	74.5	39.0	94.7
	28 Smoking in pregnancy	715	18.7	13.6	32.7	3.1
	29 Hospital admissions due to injury	1,194	1,905.9	1,466.0	2,547.7	890.7
	30 Children who have someone to talk to	-	64.0	64.0	56.0	74.0
	31 Hospital admissions for mental health conditions	64	102.2	109.4	722.1	36.8
	32 Hospital admissions as a result of self-harm	81	129.3	158.8	359.5	34.3

**Notes and definitions**

Where data are not available or have been suppressed, this is indicated by a dash in the appropriate box.

- 1 Mortality rate per 1,000 live births (age under 1 year), 2008-10
- 2 Directly standardised rate per 100,000 children age 1-17 years, 2002-10
- 3 % children immunised against measles, mumps and rubella (first dose by age 2 years), 2010/11
- 4 % children completing a course of immunisation against diphtheria, tetanus, polio, pertussis and Hib by age 2 years, 2010/11
- 5 % children in care with up-to-date immunisations, 2011
- 6 Positive chlamydia tests reported per 1,000 population aged 15-24 years, 2010/11
- 7 % children achieving a good level of development within Early Years Foundation Stage Profile, 2011
- 8 % pupils achieving 5 or more GCSEs or equivalent including maths and English, 2010/11 (provisional)
- 9 % children looked after achieving 5 or more GCSEs or equivalent including maths and English, 2010/11 (provisional)

- 10 % not in education, employment or training as a proportion of total age 16-18 year olds known to local Connexions services, 2010
- 11 Rate per 100,000 of 10-17 year olds receiving their first reprimand, warning or conviction, 2009/10
- 12 % of children aged under 16 living in families in receipt of out of work benefits or tax credits where their reported income is less than 60% median income, 2009
- 13 Statutory homeless households with dependent children or pregnant women per 1,000 households, 2007/08
- 14 Rate of children looked after at 31 March 2011 per 10,000 population aged under 18, 2011
- 15 Crude rate of children age 0-15 years who were killed or seriously injured in road traffic accidents per 100,000 population, 2008/09
- 16 % school children in Reception year classified as obese, 2010/11
- 17 % school children in Year 6 classified as obese, 2010/11
- 18 % children participating in at least 3 hours per week of high quality PE and sport at school age (5-18 years), 2009/10
- 19 Under 18 conception rate per 1,000 females age 15-17 years, 2007-09 (provisional)
- 20 % of delivery episodes where the mother is aged less than 18 years, 2010/11
- 21 Weighted mean number of decayed, missing or filled teeth in 12 year olds, 2008/09

- 22 Crude rate per 100,000 under 18 year olds for alcohol specific hospital admissions, 2007-10
- 23 % children who reported that they had been drunk one or more times in the last four weeks, 2009
- 24 Directly standardised rate per 100,000 (age 15-24 years) for hospital admissions for substance misuse, 2008-2009
- 25 % children (Years 8 and 10) who reported that they have taken cannabis or skunk one or more times in the last four weeks, 2009
- 26 % of children who reported that they had smoked at least one cigarette in the last 4 weeks, 2009
- 27 % of mothers initiating breastfeeding where status is known, 2010/11
- 28 % of mothers smoking at time of delivery where smoking status is known, 2010/11
- 29 Crude rate per 100,000 (age 0-17 years) for hospital admissions following all injury, 2010/11
- 30 % children who reported that they can talk to their mum or dad when they are worried, 2009
- 31 Inpatient admission rate per 100,000 population age 0-17 years for mental health disorders, 2010/11
- 32 Crude rate of inpatient admissions for self-harm per 100,000 population (aged 0 - 17 years), 2010/11