

# Child Health Profile

## Somerset

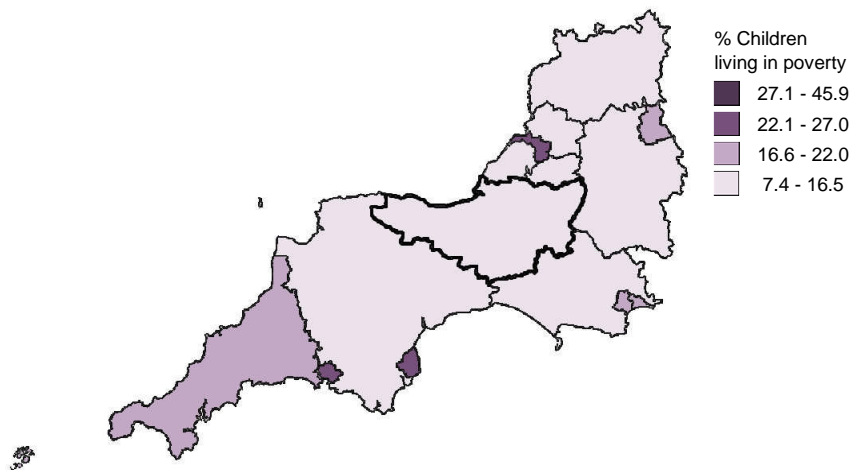
March 2013

This profile provides a snapshot of child health in this area. It is designed to help the local authority and health services 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 South West Public Health Observatory (SWPHO).

The child population in this area	Local	South West	England
Live births in 2011	5,764	60,794	688,120
Children (age 0-4 years), 2011	28,900	297,300	3,328,700
% of total population	5.4%	5.6%	6.3%
Children (age 0-19 years), 2011	121,200	1,193,100	12,710,500
% of total population	22.8%	22.5%	23.9%
Children (age 0-19 years) in 2020 (projected)	126,513	1,273,389	13,575,943
% of total population	22.4%	22.3%	23.7%
School children from black/ethnic minority groups	3,794	62,330	1,661,440
% of school population (age 5-16 years)	6.3%	10.0%	25.6%
% of children living in poverty (age under 16 years)	14.9%	16.6%	21.1%
Life expectancy at birth			
Boys	79.5	79.5	78.6
Girls	83.7	83.5	82.6

### Children living in poverty

Map of the South West, with Somerset outlined, showing the relative levels of children living in poverty.



Contains Ordnance Survey data © Crown copyright 2012

Data sources: Live births, Office for National Statistics (ONS) 2011; population estimates, ONS 2011 Census mid-year estimates; population projections, ONS interim 2011-based subnational population projections; black/ethnic minority maintained school population, Department for Education 2012; children living in poverty, HM Revenue & Customs (HMRC) 2010; life expectancy, ONS 2008-10



YORKSHIRE & HUMBER PUBLIC HEALTH OBSERVATORY



ChiMat is funded by the Department of Health and is part of YHPHO.

This profile is produced by ChiMat working with SWPHO on behalf of the Public Health Observatories in England.

### Key findings

22.8% of the population of Somerset is under the age of twenty. 6.3% of school children are from a black or minority ethnic group.

The health and well-being of children in Somerset is mixed compared with the England average. Infant and child mortality rates are similar to the England average.

The level of child poverty is better than the England average with 14.9% of children aged under 16 years living in poverty. The rate of family homelessness is worse than the England average.

9.1% of children aged 4-5 years and 17.1% of children aged 10-11 years are classified as obese. 51.3% of children participate in at least three hours of sport a week which is worse than the England average.

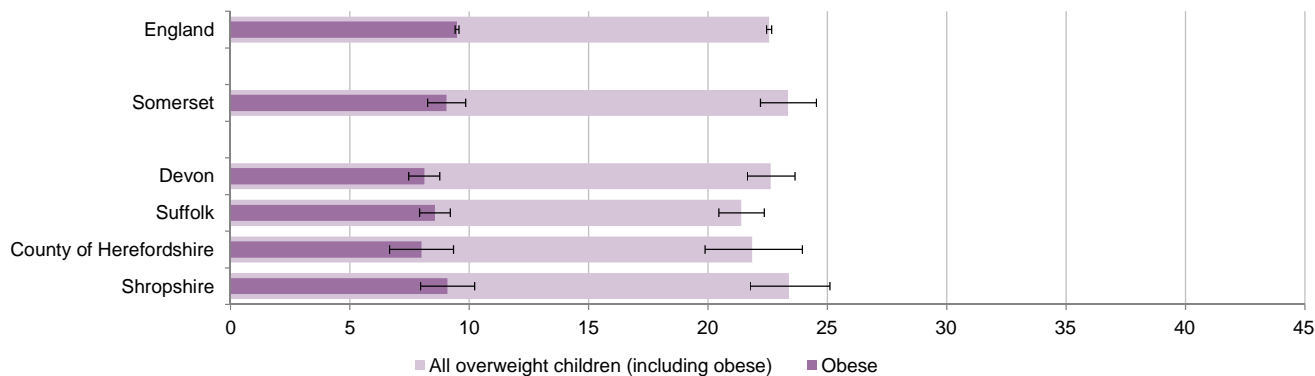
The hospital admission rate for alcohol specific conditions is higher than the England average. The hospital admission rate for substance misuse is higher than the England average.

Nationally, asthma is the most common long-term condition in childhood. Locally there were 194 emergency admissions of children because of asthma in 2011/12. This gives a rate which is lower than the average for England.

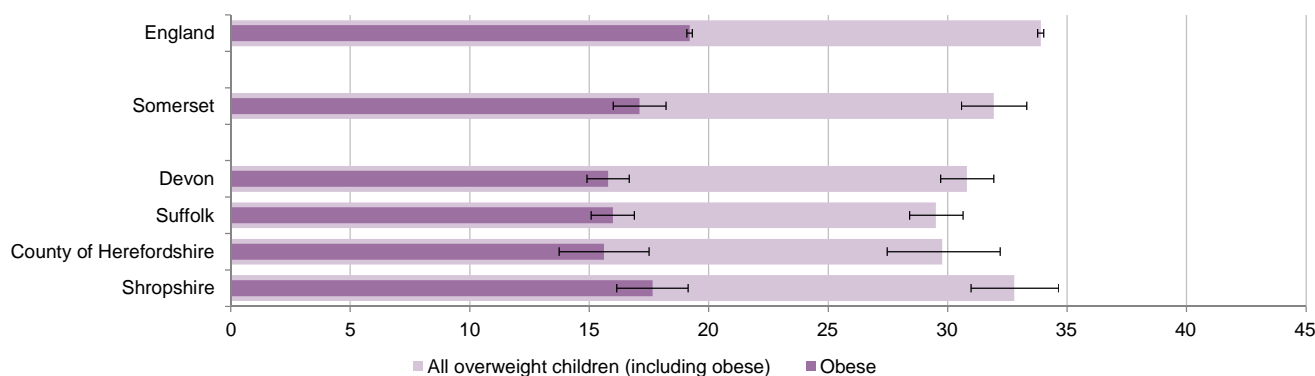
## Childhood obesity

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 lower percentage in Year 6 classified as obese or overweight compared to the England average.

### Children aged 4-5 years classified as obese or overweight, 2011/12 (percentage)



### Children aged 10-11 years classified as obese or overweight, 2011/12 (percentage)



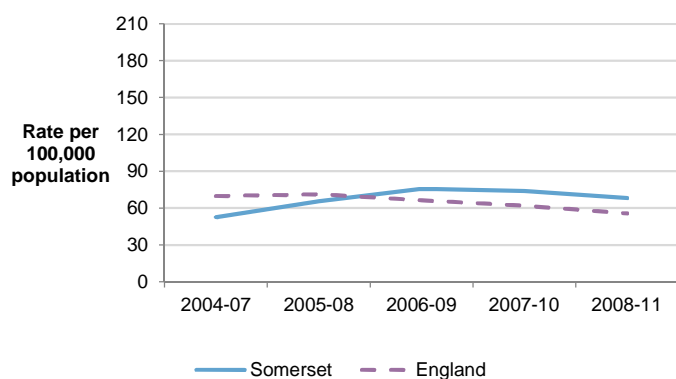
Note: This analysis uses the 85th and 95th centiles of the British 1990 growth reference (UK90) for BMI to classify children as overweight and obese. I indicates 95% confidence interval.

Data source: National Child Measurement Programme (NCMP), The 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 2004-07 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 increased in the 2008-11 period. Overall rates of admission in the 2008-11 period are higher than the England average.

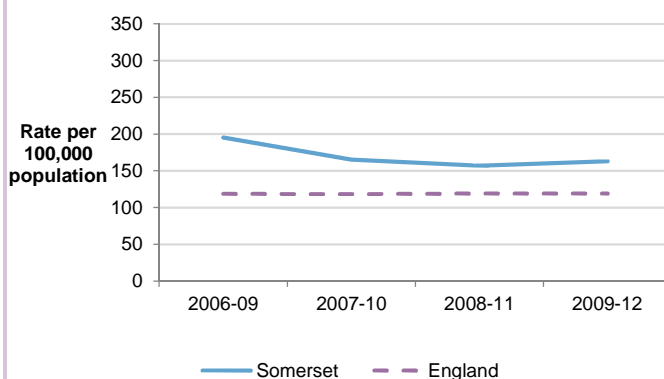


Data source: Local Alcohol Profiles for England, North West Public Health Observatory

## Young people's mental health

### Young people aged under 18 admitted to hospital as a result of self-harm (rate per 100,000 population aged 0-17 years)

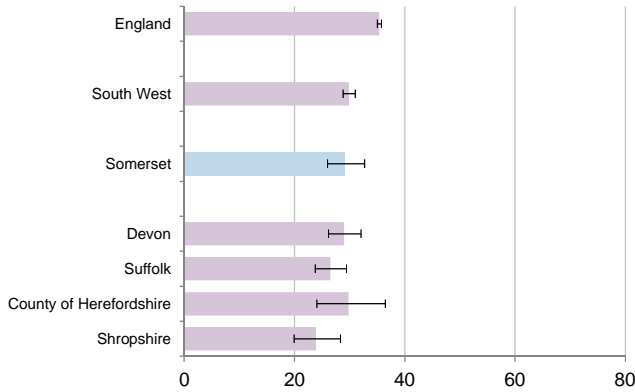
In comparison with the 2006-09 period, the rate of young people under 18 who are admitted to hospital as a result of self-harm has decreased in the 2009-12 period. Overall rates of admission in the 2009-12 period are higher than the England average\*. Nationally, levels of self-harm are higher among young women than young men.



\*Information about admissions in the single year 2011/12 can be found on page 4  
Data source: Hospital Episode Statistics, The Information Centre for health and social care

These charts compare Somerset with its statistical neighbours, the England and regional average and, where available, the European average.

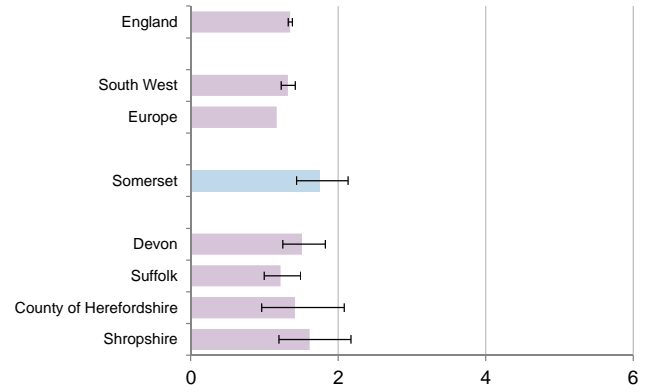
**Teenage conceptions in girls aged under 18 years, 2010 (rate per 1,000 female population aged 15-17 years)**



In 2010, approximately 29 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 lower teenage conception rate compared to the England average.

Data source: Department for Education

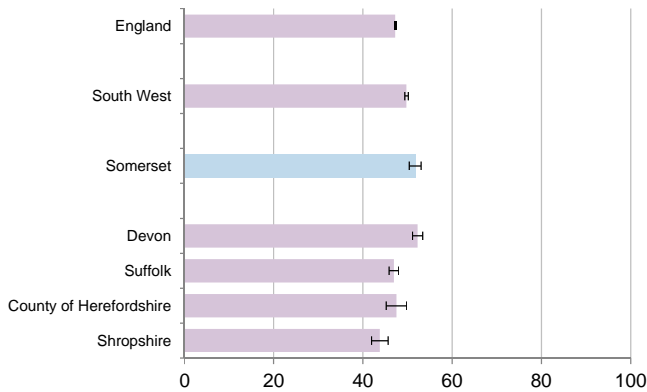
**Teenage mothers aged under 18 years, 2011/12 (percentage of all deliveries)**



In 2011/12, 1.7% of women giving birth in this area were aged under 18 years. This is higher than 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 average of 1.2%\*.

Data source: Hospital Episode Statistics, The Information Centre for health and social care  
\* European Union 27 average, 2009. Source: Eurostat

**Breastfeeding at 6 to 8 weeks, 2011/12 (percentage of infants due 6 to 8 week checks)**

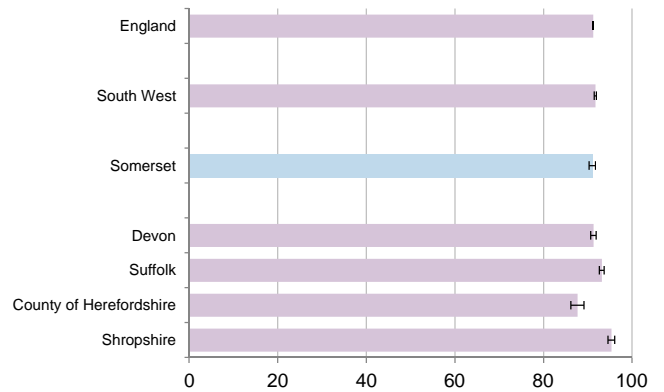


In this area, 51.7% of mothers are still breastfeeding at 6 to 8 weeks. This is higher than the England average. 80.6% of mothers in this area initiate breastfeeding when their baby is born. This area has a lower percentage of babies who have ever been breastfed compared to the European average of 89.1%\*.

Data source: Department of Health

\* European Union 21 average, 2005. Source: Organisation for Economic Co-operation and Development (OECD) Social Policy Division

**Measles, mumps and rubella (MMR) immunisation by age 2 years, 2011/12 (percentage of children age 2 years)**



A similar percentage of children (91.0%) 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 86.2% of children being immunised. This is similar to the England average. In the South West, there were 72 laboratory confirmed cases of measles in young people aged 19 and under in the past year.

Data source: The Information Centre for health and social care, Health Protection Agency

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 Somerset

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
- Significantly better than England average
- ◆ Regional average

25th percentile      England average      75th percentile  
range of values that differ significantly from the average

	Indicator	Local no. per year	Local value	Eng. ave.	Eng. worst		Eng. best
Preventable mortality	1 Infant mortality rate	20	3.6	4.4	8.0		2.2
	2 Child mortality rate (age 1-17 years)	13	12.4	13.7	23.7		7.5
Health protection	3 MMR immunisation (by age 2 years)	5,328	91.0	91.2	78.7		97.2
	4 Diphtheria, tetanus, polio, pertussis, Hib immunisations (by age 2 years)	5,632	96.2	96.1	85.7		98.8
	5 Children in care immunisations	195	73.6	83.1	0.0		100.0
	6 Acute sexually transmitted infections (including Chlamydia)	1,587	25.9	35.6	75.2		19.9
Wider determinants of ill health	7 Children achieving a good level of development at age 5	3,450	62.6	63.5	51.5		76.5
	8 GCSE achieved (5A*-C inc. Eng and maths)	3,009	56.5	59.4	40.9		79.6
	9 GCSE achieved (5A*-C inc. Eng and maths) for children in care	-	-	14.6	0.0		40.0
	10 Not in education, employment or training (age 16-18 years)	610	3.5	6.1	11.8		1.6
	11 First time entrants to the Youth Justice System	482	887.8	876.4	2,436.3		342.9
	12 Children living in poverty (aged under 16 years)	13,770	14.9	21.1	45.9		7.4
	13 Family homelessness	434	1.9	1.7	7.4		0.1
	14 Children in care	495	46.0	59.0	150.0		19.0
	15 Children killed or seriously injured in road traffic accidents	18	18.5	22.1	47.9		4.4
Health improvement	16 Low birthweight	384	6.7	7.4	11.0		5.0
	17 Obese children (age 4-5 years)	452	9.1	9.5	14.5		5.8
	18 Obese children (age 10-11 years)	764	17.1	19.2	27.8		12.3
	19 Participation in at least 3 hours of sport/PE	31,236	51.3	55.1	40.9		79.5
	20 Children's tooth decay (at age 12)	-	0.8	0.7	1.5		0.2
	21 Teenage conception rate (age under 18 years)	299	29.2	35.4	64.7		6.2
	22 Teenage mothers (age under 18 years)	95	1.7	1.3	2.8		0.3
	23 Hospital admissions due to alcohol specific conditions	75	68.1	55.8	138.3		16.9
	24 Hospital admissions due to substance misuse (age 15-24 years)	49	84.2	69.4	186.3		25.7
Prevention of ill health	25 Smoking in pregnancy	971	17.9	13.2	29.7		2.9
	26 Breastfeeding initiation	4,360	80.6	74.0	41.8		94.3
	27 Breastfeeding at 6-8 weeks	2,906	51.7	47.2	19.7		82.8
	28 A&E attendances (age 0-4 years)	15,010	531.1	483.9	1,187.4		136.3
	29 Hospital admissions due to injury (age under 18 years)	1,380	126.7	122.6	211.1		72.4
	30 Hospital admissions for asthma (age under 19 years)	194	168.1	193.9	484.4		73.4
	31 Hospital admissions for mental health conditions	104	95.4	91.3	479.7		22.6
	32 Hospital admissions as a result of self-harm	178	163.4	115.5	311.9		26.0

**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), 2009-2011

2 Directly standardised rate per 100,000 children age 1-17 years, 2009-2011

3 % children immunised against measles, mumps and rubella (first dose by age 2 years), 2011/12

4 % children completing a course of immunisation against diphtheria, tetanus, polio, pertussis and Hib by age 2 years, 2011/12

5 % children in care with up-to-date immunisations, 2012 years, 2011

6 Acute STI diagnoses per 1,000 population aged 15-24 years, 2011

7 % children achieving a good level of development within Early Years Foundation Stage Profile, 2012

8 % pupils achieving 5 or more GCSEs or equivalent including maths and English, 2011/12

9 % children looked after achieving 5 or more GCSEs or equivalent including maths and English, 2011/12 (provisional)

10 % not in education, employment or training as a proportion of total age 16-18 year olds known to local Connexions services, 2011

11 Rate per 100,000 of 10-17 year olds receiving their first reprimand, warning or conviction, 2010/11

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, 2010

13 Statutory homeless households with dependent children or pregnant women per 1,000 households, 2011/12

14 Rate of children looked after at 31 March per 10,000 population aged under 18, 2012

15 Crude rate of children age 0-15 years who were killed or seriously injured in road traffic accidents per 100,000 population, 2009-2011

16 Percentage of live and stillbirths weighing less than 2,500 grams, 2011

17 % school children in Reception year classified as obese, 2011/12

18 % school children in Year 6 classified as obese, 2011/12

19 % children participating in at least 3 hours per week of high quality PE and sport at school age (5-18 years), 2009/10

20 Weighted mean number of decayed, missing or filled teeth in 12 year olds, 2008/09

21 Under 18 conception rate per 1,000 females age 15-17 years, 2010

22 % of delivery episodes where the mother is aged less than 18 years, 2011/12

23 Crude rate per 100,000 under 18 year olds for alcohol specific hospital admissions, 2008-11

24 Directly standardised rate per 100,000 (age 15-24 years) for hospital admissions for substance misuse, 2009-12

25 % of mothers smoking at time of delivery, 2011/12

26 % of mothers initiating breastfeeding, 2011/12

27 % of mothers breastfeeding at 6-8 weeks, 2011/12

28 Crude rate per 1,000 (age 0-4 years) of A&E attendances, 2010/11

29 Crude rate per 10,000 (age 0-17 years) for emergency hospital admissions following injury, 2011/12

30 Crude rate per 100,000 (age 0-18 years) for emergency hospital admissions for asthma, 2011/12

31 Crude rate per 100,000 (age 0-17 years) for hospital admissions for mental health, 2011/12

32 Crude rate per 100,000 (age 0-17 years) for hospital admissions for self-harm, 2011/12