

Know Northumberland

Northumberland in Context

This quarterly bulletin is produced by the Northumberland County Council Strategy and Change Team to give a Northumberland update of statistical changes and headlines across a range of topics. The first two pages provide a general overview, the remainder of the bulletin focuses on specific topics. **This issue covers population and health**

Population

Northumberland is home to 316,000 people and covers an area of 5,013 km², of which 96.7% is classed as rural. 49.1% of the population live in rural areas compared to the North East (18.8%) and England (18.9%)
The number of people aged 65+ is set to increase by 60% by 2035 (North East 53% and England 60% (2012 based population projections).
Life expectancy at birth for males is 79.2 and females 82.5 (2011-13).
The county is sparsely populated with 63 people per km² (North East 304 and England 411 (2013)).
51% of the population live in the 3% of urban land based mainly in the South East of the county

Deprivation

13.2% of the population live in one of the 10% most deprived areas of England compared to 16.98% in the North East and 9.9% across England (2015).
20.8% of the population are classed as income deprived and 25.4% are employment deprived.(2015 IMD)

Crime

Crime rates (per 1,000 population) are low in Northumberland (39.5) compared to the North East (60.3) and England (64.5) (Sep15 Crime Survey England and Wales).

Economy and the labour market

GVA (Gross Value Added) is much lower in Northumberland. GVA per head stood at £14,979 compared to £18,216 across the North East and £24,958 for England (workplace based GVA 2014)

Unemployment is higher than the national level, 2.2% claim Job Seekers Allowance which is lower than the North East rate of 2.6% (Dec15).

The employment rate in Northumberland is 78.6% compared to the North East (75%) and England (77.8%) (Oct14-Sept15).

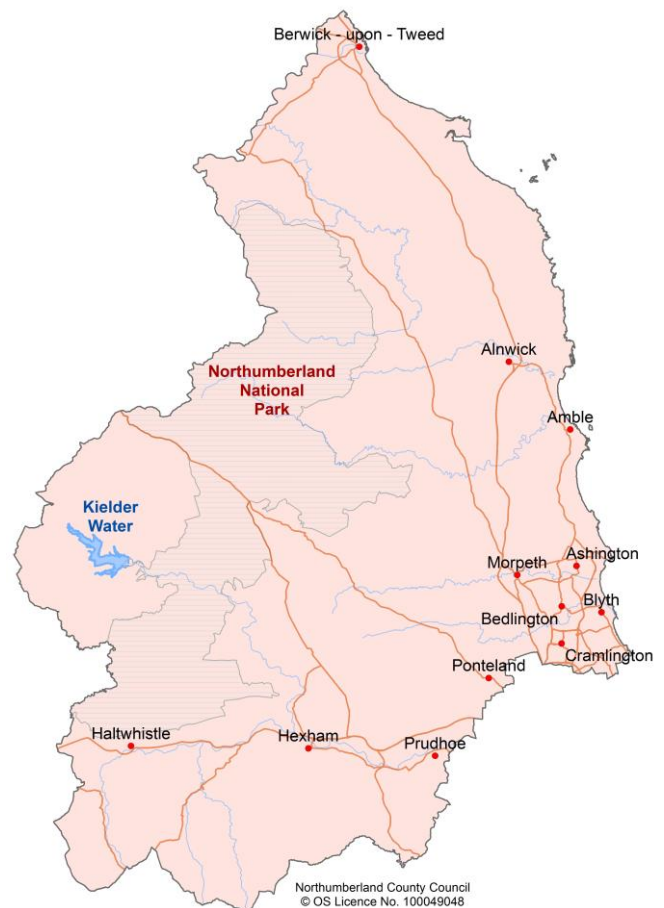
Wages in the county are lower than the country figure, with the weekly average (median) pay being £447 compared to £532 in England (2015).

Housing

There are 145,650 dwellings (2011) in Northumberland. The average house price (median) is £119,500 which is less than the England figure of £186,300 (2015)

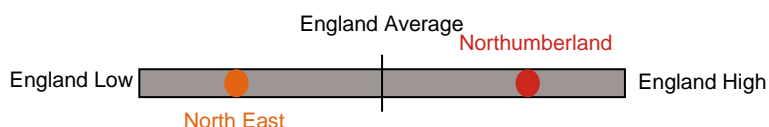
Children education and skills

The percentage of children achieving 5 or more GCSE grades A*-C (inc. English and Maths) is 56.7%, compared to the North East (54.4%) and England (52.8%) (2014/15).



Maps showing different geographic boundaries and areas within Northumberland can be found on the Northumberland Knowledge website.

Statistical profile of Northumberland, by topic and indicator, shows how Northumberland compares to England, other LAs (lowest and highest rates), and the North East and England average figures.



Topic	Indicator	N'land	Eng Avg	Eng Low	England Range	Eng High
Pop.	1 Population aged 0 - 15	16.6	19.0	10.9		27.0
	2 Population aged 16-64	60.8	63.5	53.2		75.2
	3 Population aged 65+	22.5	17.6	6.0		31.9
Education/Skills	4 GCSE results	56.7	52.8	36.7		73.7
	5 Pupils progressing to higher education	58.0	58.0	35.0		80.0
	6 % staff not fully proficient at their job	5.4	5.1	2.0		10.8
	7 Males taking recent job related training	17.3	18.3	7.7		31.4
	8 Females taking recent job related training	16.9	19.6	9.0		29.7
	9 People aged 16-64 with no qualifications	8.0	8.6	2.9		19.6
	10 16-18yr olds not in edu./employ./train.	5.7	4.7	0.0		9.0
Employment	11 Economic inactivity rate	22.9	22.5	10.9		33.4
	12 Employment rate	73.0	73.1	49.7		87.4
	13 JSA claimant count rate	2.2	1.6	0.3		4.1
	14 Unemployment rate	5.2	7.8	1.4		12.0
Env.	15 Household waste sent for recycling	39.6	43.7	14.1		67.3
	16 Municipal waste sent to landfill	5.3	24.6	0.0		67.1
Health	17 Adults smoking	19.7	18.5	10.5		29.4
	18 Increasing and higher risk drinking	23.4	22.3	15.7		25.1
	19 Obese children (Year 6)	34	33.2	24.5		43.6
	20 Teenage pregnancy	22.9	24.2	9.2		43.9
Housing	21 LA dwellings below decent homes STD	1	12.6	0		65.1
	22 Owner occupied dwellings	82.2	82	53.8		94.7
	23 Mean Annual House Price % Change	2.8	4.9	-7.2		13.3
Inclusion	24 Children in poverty	17.7	18.6	8.3		34.4
	25 Pupils receiving free school meals primary	12.9	15.6	5.3		38.5
	26 Pupils receiving free school meals secondary	11.9	13.9	5.1		44.9
	27 Childcare take up by low income families	15.8	16.8	6		27.1
	28 Overall pupil absence in schools	4.6	4.5	3.5		5.6

Indicator Information

1: % Population aged 0 - 15 (Mid2014). 2: % Population aged 16 - 64 (Mid2014). 3: % Population aged 65+ (Mid2014). 4: % Pupils at the end of KS4 achieving 5+ A*-C including English and Mathematics (2014-15). 5: % Pupils progressing to UK higher education institution (2013-14). 6: Percentage of staff not fully proficient at their job (2013). 7: % Male population aged 16-64 receiving job-related training in the last 13 weeks (Oct14-Sep15). 8: % Female population aged 16-64 receiving job-related training in the last 13 weeks (Oct14-Sep15). 9: % of the population aged 16 to 64 with no qualifications (2014). 10: % 16 to 18 year olds Not in Education, Employment or Training NEET (2014). 11: Economic inactivity rate - population aged 16 to 64 (Jun15). 12: Employment rate - population aged 16 to 64 (Jun15). 13: Job Seekers Allowance claimant count rates - population aged 16 to 64 (Sep15). 14: Unemployment Rate - all people aged 16 years and over (Jun15). 15: % waste sent for reuse, recycling or composting (2014/15). 16: % Municipal waste sent to landfill (2014-15). 17: Smoking prevalence – Adults aged 18 and over 2013 18: Estimated % of increasing and high risk drinkers in the resident population aged 16 and over 2010. 19: % Prevalence of obese children - Year 6 (2015). 20: Teenage pregnancy - Under 18 conception rates per 1000 females aged 15 - 17 (2013). 21: % of LA Dwellings that fall below the 'Decent Home Standard' (2011). 22: % total dwelling stock that is owner occupied and private rented (2011). 23: Mean annual house price - % change (Jun15). 24: Proportion of children in low income families (2013). 25: % of pupils in receipt of free school meals (2015). 26: % of pupils in receipt of free school meals – secondary (2015) 27: The rate of take-up of formal childcare by low income working families in (2011). 28: Overall absence rate for all pupils (2013/14).

Population

In mid-2014 there were 316,000 people living in Northumberland, which is the second largest population by local authority in the North East. 29.8% of those residents were in the 45 -64 age bracket, with a further 24% in the 65 years and over group. Children (0 – 15) made up 16.6% of the population with only 4.4% of the population falling into the 16 – 19 age group. *Source: ONS Mid 2014 population estimates.*

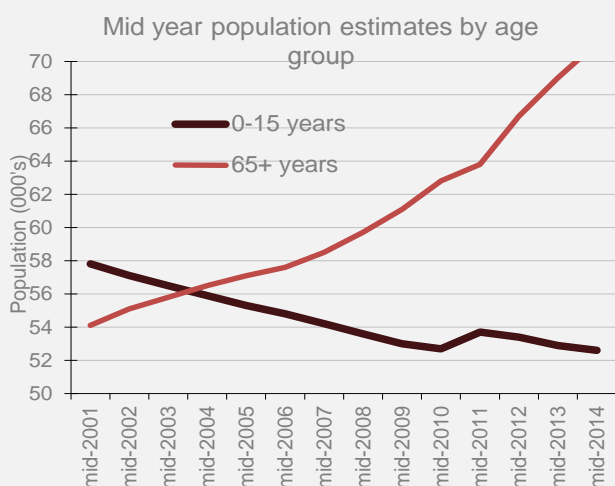
Population by Age

The proportion of the total population aged 16-64 in mid-2014 was 60.8% compared with 63.5% in the North East region and in England. Northumberland had a higher proportion of 65+ year olds than the North East region and a smaller proportion of those aged 0-15 years.

% Population by age - Mid 2014

	Northland	North East	England
All Ages (000's)	316.0	2618.7	54316.6
% 0-15 years	16.6	17.7	19.0
% 16-64 years	60.8	63.5	63.5
% 65 years+	22.5	18.8	17.6

This ageing population can be shown on the chart which covers the last 13 years. The number of Northumberland residents aged 0 - 15 in 2001 was 57,800 persons, compared to 52,600 in 2014. Looking at older residents, there were 54,100 aged 65 and over in 2001 and this has risen to 71,100 in 2014.



The population aged between 16 and 64 years has reduced slightly over the same period from 63.5% (195,400) to 60.9% (192,300).

Population density

In 2013, the population density was 63 residents per sq km for Northumberland, which is the seventh most sparsely populated local authority in the country. The figure for the North East LEP was 249, the North East region 304 and England which had a population density of 413 residents per sq km.

Note: Estimates are provided in units to facilitate further calculations but they cannot be guaranteed to be as exact as the level of detail implied

Ethnicity

According to the 2011 Census, in Northumberland 311,100 residents (98.4%) were White compared to 95.3% in the North East and 85.4% in England. In Northumberland there were 5,000 residents classed as Non-White, and the greatest number of these was Asian or Asian British (0.7%) compared to North East which has a proportion of 2.9%. The percentage of the Northumberland population classed as White in the 2001 Census was 99.05%. Statistics published in previous bulletins, were based on 2009 estimates whereas these are actual figures derived from the 2011 Census.

	2011	Northland	North East	England
All Groups (000's)		316.1	2,596.9	53,012.5
% White		98.4	95.3	85.4
% Mixed		0.5	0.9	2.2
% Asian or Asian British		0.7	2.9	7.8
% Black or Black British		0.1	0.5	3.5
% Other		0.2	0.4	1

Source: 2011 Census, Office for National Statistics

Components of population change

In Northumberland between mid-2013 and mid-2014 there was a total increase in population of 181 people. This net change was the result of a decrease in Natural change (births minus deaths) of -510 persons, an increase in net migration and other changes of 691,

Change from Mid 2013 to Mid 2014

	Live births	Deaths	Natural change	Net migration & other changes	Total % change
Northland	2.8	3.3	-0.5	0.7	0.1
North East	28.9	25.6	3.3	5.0	0.3
England	663.5	454.0	209.6	241.2	0.8

Source: ONS Mid-Year Population Estimates

Annual percentage change in population

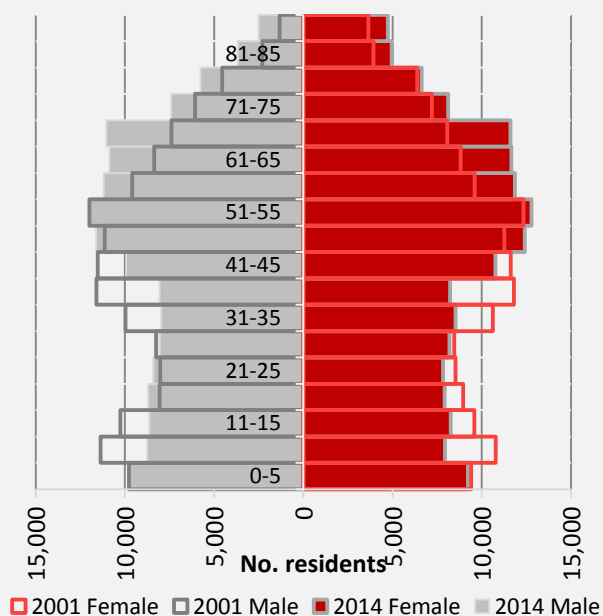
The average annual percentage change for Northumberland over the past 5 years is 0.1 per cent, which compares with 0.3 per cent in North East and 0.6 per cent in England. There was a negative percentage change in Northumberland from mid 2011-12, and 2012-13

Year to	Northland	North East	England
mid-2010	0.31	0.44	0.85
mid-2011	0.26	0.37	0.88
mid-2012	-0.05	0.23	0.73
Mid-2013	-0.1	0.31	0.7
Mid-2014	0.06	0.31	0.84
5 year average	0.08	0.27	0.63

Source: ONS Mid-Year Population Estimates

Age breakdown by gender over time

The chart shows the 2014 and comparative 2001 breakdown by age group and sex, of the residents in Northumberland. The figures for older age groups are larger than for younger groups in both 2001 and 2014, and the number of older residents, both male and female has risen over the eleven year period. The number of females aged 65 and over in 2014 was significantly higher than males - 36,056 compared to 30,407.



For more information and data on the population of Northumberland and for detailed statistics on the future population and population projections see the Northumberland Knowledge website www.northumberland.gov.uk/default.aspx?page=10352

Health

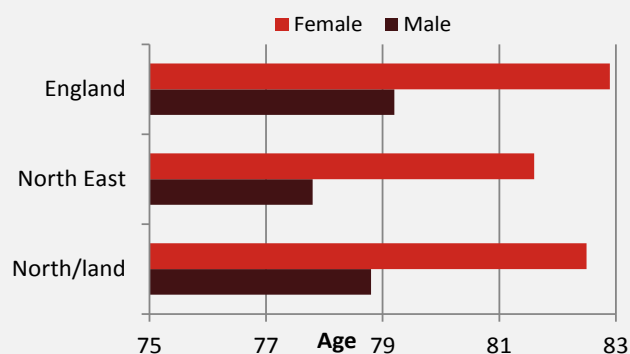
The health of people in Northumberland is varied compared with the England average. **Deprivation** is lower than average, however about 17.6% (9,300) children live in poverty. Life expectancy for women is lower than the England average.

Source: Northumberland Health Profile 2015

Life Expectancy

Life expectancy is 9.6 years lower for men and 7.2 years lower for women in the most deprived areas of Northumberland than in the least deprived areas.

For Northumberland in 2012/14, the life expectancy at birth for males was 79.4 years which is the highest of 12 Upper tier local authorities in North East. The life expectancy at birth for females is 82.5 years. There is no significant difference in life expectancy at birth for males in Northumberland and in England. The life expectancy at birth for females in Northumberland (82.5 years) is greater than that for North East (81.7 years), but lower than that of England (83.2).



Source: North East Public Health Observatory

Birth rates

The birth rate per 1,000 pop in Northumberland, for 2013 was 8.9, which was lower than the figure for both the North East (11.1) and England (12.3).

Source: ONS Crude birth rate based on birth registrations in the United Kingdom by area of usual residence of mother.

Mortality rates

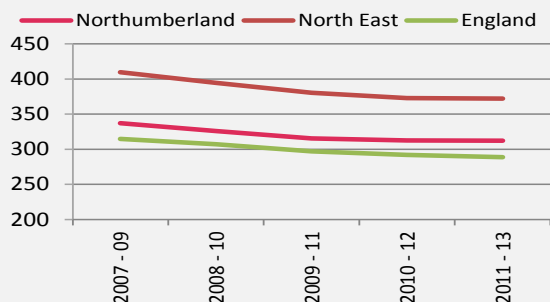
The death rate (mortality) per 1,000 population in Northumberland, for 2014 was 10.8, compared to 10.3 in the North East and 8.6 in England for the same time period. Over the last 10 years, all-cause mortality rates in Northumberland have fallen. Early death rates from cancer and from heart disease and stroke have fallen and are lower than the England average.

Source: ONS

Smoking related deaths

The rate per 100,000 population, of deaths related to smoking for people aged 35+ in Northumberland has reduced from 337.1 in 2007/09 to 312.2 in 2011/13. Figures for Northumberland over the period are higher than those for England but much lower than those for the North East, where the 2011/13 figure was 371.9.

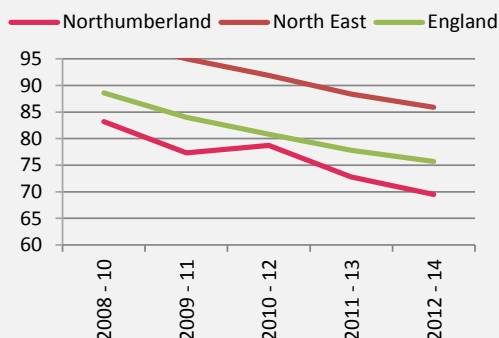
Source: Dept of Health, NHS (Directly standardized rate (changed from previous rates



Deaths related to heart disease and stroke

The rate per 100,000 people under 75, of early deaths due to heart disease and stroke has generally been lower in Northumberland over the 5 year period than in the North East and England. There has been a significant reduction in rates for Northumberland, from 83.2 in 2008/10 to 69.5 in 2012/14.

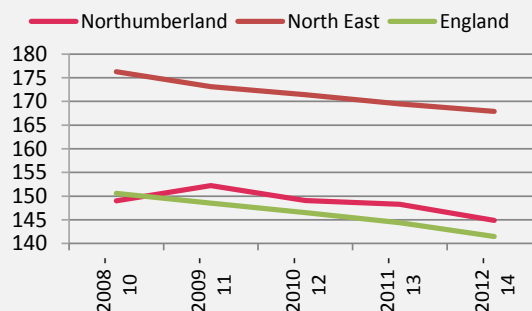
Source: Dept of Health, NHS



Early deaths due to cancer

Rates per 100,000 population for early deaths due to cancer (those under 75) for the five year period 2008/10 to 2012/14, has reduced for both Northumberland, the North East and England. Rates for Northumberland over this period fell from 149 to 145.

Source: Dept of Health, NHS



Infant mortality

The rate of infant deaths (crude rate under 1 year of age per 1,000 live births) for Northumberland in 2011/13 was 3.3 which is slightly lower than the England figure of 4.3 and the North East figure of 3.7.

	North/land	North East	England Average
2007/09	4.7	4.2	4.7
2008/10	3.5	4.0	4.6
2009/11	3.5	3.7	4.3
2010/12	3.3	3.6	4.1
2011/13	3.3	3.7	4.3

Source: NHS Profiles

Proportion of adults smoking

The proportion of adults smoking, over the past 3 periods has decreased in Northumberland, which follows the trend for the rest of the North East and England. Latest figures for 2014 show that the figure of 16.5% for Northumberland is 2.5% less than the rest of the country. The most recent data for local authorities using Integrated Household Survey and covering the period 2014 can be found in NHS Health Profiles.

Smoking prevalence

	Northland	North East	England
2012	17.6	22.1	19.5
2013	19.7	22.3	18.4
2014	16.5	19.9	18

Source Public Health Observatory

Figures relate to All persons aged 18 years and over

Increasing and higher risk drinking

The estimated percentage of increasing and high risk drinkers in the resident population in 2008/09, of persons aged 16 and over, was 23.4% for Northumberland, compared to 22.5% for the North East and 22.3% for England

Source: Dept of Health, NHS Profiles

	N'land	NE	England
Higher Risk drinking (% of drinkers only) synthetic estimate	7.3%	7.8%	7.1%
Binge drinking (synthetic estimate)	31.5%	30.1%	20.1%

Higher Risk drinking (% of drinkers only) synthetic estimate Mid 2008

Synthetic estimate of the percentage within the drinking population (not including abstainers) aged 16 years and over who report engaging in higher risk drinking, defined as more than 50 units of alcohol per week for males, and more than 35 units of alcohol per week for females

Binge drinking (synthetic estimate) 2007-08

Synthetic estimate of the proportion (%) of adults who consume at least twice the daily recommended amount of alcohol in a single drinking session (that is, 8 or more units for men and 6 or more units for women).

Obesity

Obese Adults

The percentage of population in Northumberland over the age of 16 who are classed as obese according to NHS Health Profiles (2012-14), is 26.3% which is higher than the England figure of 24%, and slightly lower than 26.7% in the North East. The figure for Northumberland has remained similar since 2003/05 when it was 26.0%, which is similar to England where the figure was 23.6% for the same period.

Obese Children

About 17.7% of Year 6 children (those aged 10–11) in Northumberland are classified as obese. This figure is lower than the North East (21.1%) and England (19.1%).

Source 2013/14 NHS Profiles

STIs – Sexually Transmitted Infections

The rate of acute STI diagnoses per 100,000 population, by patients in Northumberland in 2014 was 484 (955 persons). This was lower than the previous year where the rate was 518 with a figure of 1,023 persons.

Source: Health Protection Agency. Rates are calculated using PCT population estimates

Breast feeding

The following figures are based on women who gave birth in 2014/15 where breast feeding status was recorded. The percentage of mothers initiating breast feeding in Northumberland during this period was 67.2%, (62.7% in 2010/11) compared to a North East figure of 60.1%, (57.4% in 2010/11). Both of these were lower than the England figure of 74.3% (73.7% in 2010/11).

Source: Department of Health, NHS

Teenage pregnancy

Under-18 conception rates for Northumberland (per 1,000 females) in 2013 were 22.9, a reduction of 5.5 females per 1000 since the previous year and 13.7 since 2004. The 2013 figure for Northumberland was lower than the England figure of 24.3, and that of the North East, where the figure was 30.6. Figures for all three areas show a reduction over a ten year period.

Sources: Office for National Statistics and DfE

Disability amongst people aged 16-64

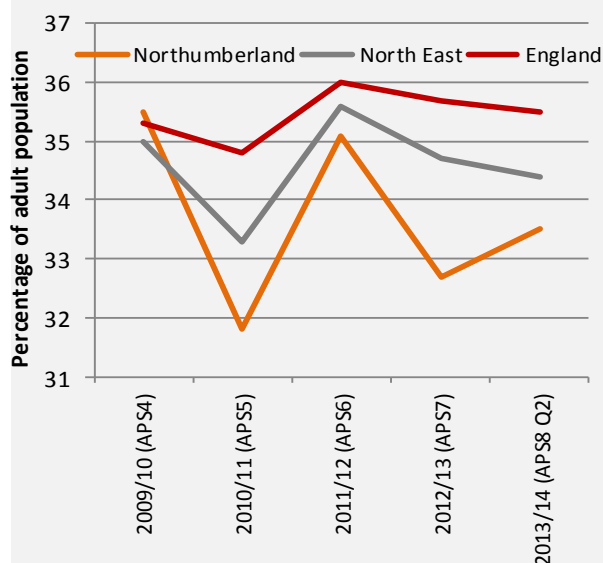
May 2014	Northland	North East	England
Rate working age people receiving DLA	50.4	58.8	45.5
Rate pensionable age receiving DLA	86.5	122.9	80.9

Source: ONS NOMIS

The estimated proportion (per 1000) of people aged 16-64 in Northumberland who were receiving Disability Living Allowance was 50.4, which is lower than the North East rate but higher than the rate for England.. For those people of pensionable age, there were 86.5 (per 1000 pensionable population)receiving DLA, lower than the North East (122.9) but higher than the rate for England (80.9).

Adult Participation in sport

Information on adult participation in sport is derived from The Active People Survey – a national telephone survey about participation in sport and cultural activities, which collects data from every local authority in England. The sports participation indicator measures the number of adults (aged 16 and over) participating in at least 30 minutes of sport at moderate intensity at least once a week Figures for



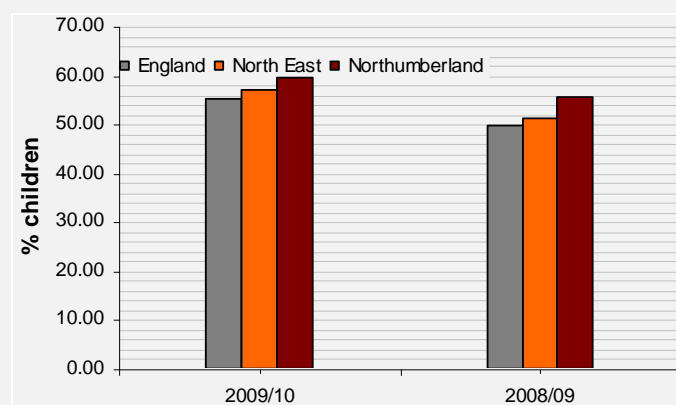
Northumberland show that there is an increase over a 7 year period for Northumberland from 32% to 34.1%, and a similar increase for the North East. Figures for England have remained steady over the same period at around 35%. The rolling 12 month figure (latest available Apr12 – Apr13) from the survey, shows a slight decrease in Northumberland to 34.1%.

Physically active children

This indicator looks at the percentage of children attending state schools in the Local Authority belonging to a School Sport Partnership, who participate in at least 3 hours of high quality PE and school sport, within and beyond the curriculum in a typical week of the academic year. It can be seen that figures for 2009/10 for England, the North East and Northumberland have improved from the previous year. Actual figures for Northumberland are higher than the rest of the country for both time series.

These figures have not been updated since 2010

Source: Public Health Observatories



Percentage of physically active children who participate in at least 3 hours of PE and school sport in a week

(Source: Sport England Active Peoples Survey).

Further information

This bulletin has been produced in collaboration with NHS North of Tyne Public Health Department. Sources of useful health information are listed below:

- **Joint Strategic Needs Assessment (JSNA)**
The JSNA is a process designed to assemble a shared picture of the health, care and related needs of the people of Northumberland. [Baseline JSNA \(2009\)](#), [Executive Summary \(October 2011\)](#).
- **North East Public Health Observatory (NEPHO)**
[The Health Improvement Dashboard](#) presents data on public health in the North East, and allows comparisons with other areas by using maps and graphs.
- **Local Authority Level Public Health Observatory Profiles**
- **NCC Adult Health and Social Care**
- **NHS Local Health Authority profiles**
- **Health & Wellbeing Strategy** - under development
- **Vital Statistics**
The [NHS Information Centre](#) obtains various Vital Statistics data, from the Office for National Statistics on live births, fertility rates, maternity statistics, death registrations, and cause of death analysis.
- **The Marmot Review (2010)**
This document provides proposed effective evidence-based strategies for reducing health inequalities in England