



Health & Social Care  
Information Centre



# NHS Immunisation Statistics

England 2012-13

Published 26 September 2013

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The United Kingdom Statistics Authority has designated these statistics as National Statistics, in accordance with the Statistics and Registration Service Act 2007 and signifying compliance with the Code of Practice for Official Statistics.

Designation can be broadly interpreted to mean that the statistics:

- meet identified user needs;
- are well explained and readily accessible;
- are produced according to sound methods; and
- are managed impartially and objectively in the public interest.

Once statistics have been designated as National Statistics it is a statutory requirement that the Code of Practice shall continue to be observed.

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## Executive Summary

This publication reports immunisation statistics for England for 2012-13. Most of the immunisation statistics relate to routine childhood vaccinations which are offered to all children at specified ages. For most vaccinations, the number of persons vaccinated as a proportion of the eligible population (coverage) is reported.

The statistics are used to inform the development and evaluation of government policy on immunisation and to assess the delivery of different immunisations in the national programme. The statistics also help inform vaccine policy decisions, such as national and regional catch-up programmes for specific immunisations. At a local level the statistics are used to monitor performance.

Most of the vaccination data used in this report are collected annually from Primary Care Trusts (PCTs) or Child Health Record Departments and are extracted from Child Health Information Systems. Data on seasonal flu are collected from GP practices. The statistics are presented at national, regional (Strategic Health Authority) and local (Primary Care Trust) level. Statistics are also presented by Area Team in the Data Tables.

The Health and Social Care Information Centre has recently undertaken a review of the KC50 data collection. The review was undertaken to examine future information needs and following data supply and quality issues with the collection over a period of years. During the review period the collection was suspended and therefore data from the KC50 which is normally published in this report are not available for the 2012-13 reporting year. The KC50 collects information on persons receiving BCG vaccinations for tuberculosis and on reinforcing doses of diphtheria, tetanus and polio given to school leavers.

### Main Findings

Although relatively few data quality issues were reported in the last two years (2011-12 and 2012-13), some caution should still be exercised when comparing coverage figures over time, as apparent trends could reflect changes in the quality of data reported as well as real changes in vaccination coverage. While this issue will be more apparent at a local level, it will also have an impact on the national figures.

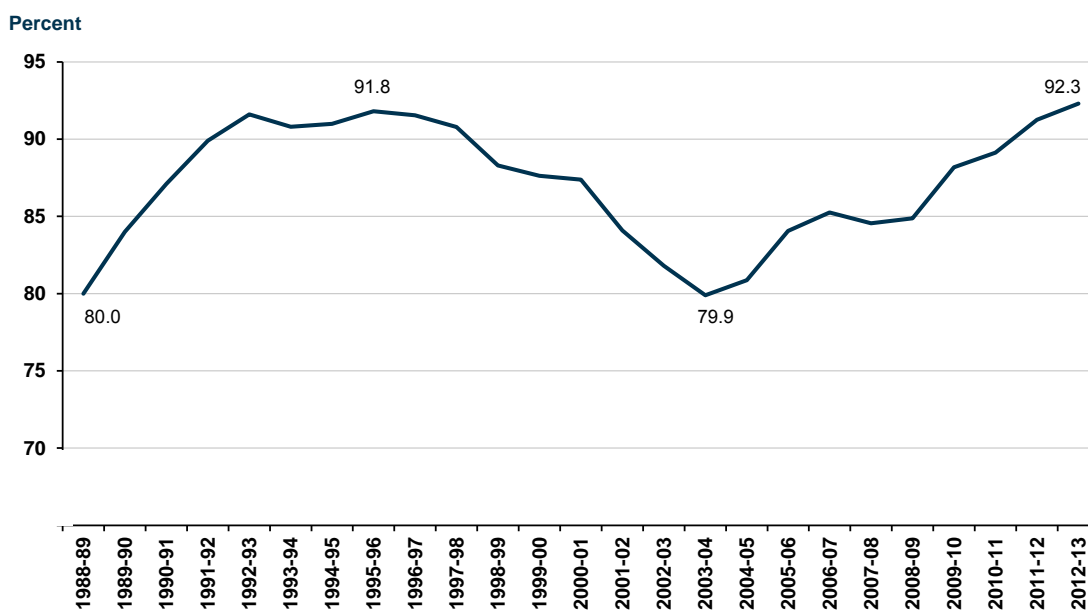
Reported coverage figures for most routine childhood vaccinations reported through the COVER programme in 2012-13 showed an increase at national level. Although there was some regional variation, reported figures show increases in coverage across all or most childhood vaccinations for most regions.

In 2012-13, it was reported that 94.7% of children reaching their first birthday had completed primary immunisation courses against **Diphtheria, Tetanus, Pertussis, Polio and *Haemophilus influenzae* type b (DTaP/IPV/Hib)**. This is unchanged from 2011-12. Although coverage for England was just below the World Health Organisation target of at least 95%, seven out of ten Strategic Health Authorities (SHAs) met the target.

Coverage of the **Measles, Mumps and Rubella (MMR)** vaccine in England for children reaching their second birthday was 92.3% in 2012-13 compared to 91.2% in 2011-12. This is the highest level of MMR coverage since the vaccine was first introduced in 1988.

### MMR coverage at 24 months

England 1988-89 to 2012-13



2006 data as at 10th August 2006

NB: The MMR vaccine was introduced in 1988 when it replaced the single measles vaccine.  
 Source: COVER, Health and Social Care Information Centre. See also Tables 2 and 9 in the Data Tables section.

Increases in MMR coverage at 2 years were recorded for all SHAs in 2012-13 and coverage in nine out of ten SHAs was over 90%. Coverage was highest in North-West SHA (94.9%) and lowest in London SHA (87.1%).

Despite increases in recent years, MMR coverage is still below the World Health Organization target of ‘at least 95% coverage’.

Coverage data for the combined ***Haemophilus influenzae* type b** and **Meningococcal group C (Hib/MenC)** booster vaccination at 5 years are available for the second year. In England, 91.5% of children were reported to have received the combined Hib/MenC booster as measured at five years in 2012-13. This compares with 88.9% in 2011-12 when coverage

of this vaccine was first reported. Increases in coverage were recorded for all SHAs in 2012-13, with coverage highest in Yorkshire & the Humber (94.8%) and lowest in London (86.9%).

In 2012-13, vaccination coverage in England was below that of other UK countries for all routine childhood vaccines measured at one, two and five years.

## Introduction

This publication reports immunisation statistics for England for 2012-13. Most of the immunisation statistics relate to routine childhood vaccinations which are offered to all children at specified ages. For most vaccinations, the number of persons vaccinated as a proportion of the eligible population (coverage) is reported.

The statistics are used to inform the development and evaluation of government policy on immunisation and to assess the delivery of different immunisations in the national programme. The statistics also help inform vaccine policy decisions, such as national and regional catch-up programmes for specific immunisations. At a local level the statistics are used to monitor performance. A number of the statistics from this publication will also contribute to indicators for the government's Public Health Outcomes Framework<sup>1</sup>.

### 1.1 Background

Immunity is the ability of the body to protect itself from infectious disease. Immunisation programmes provide protection to vaccinated individuals and can provide protection to the wider unvaccinated population. Where this occurs it is known as 'herd immunity'.

Herd immunity is a term used to describe:

“... a form of immunity that occurs when the vaccination of a significant portion of a population (or herd) provides a measure of protection for individuals who have not developed immunity”. (John and Samuel, 2000).

Herd immunity only applies to diseases that are contagious. It does not apply to diseases such as tetanus which is not passed from person-to-person and where the vaccine protects only the vaccinated person from disease.

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<sup>1</sup> For more information on the Public Health Outcomes Framework see: <http://www.dh.gov.uk/health/2012/01/public-health-outcomes/>



## Routine Childhood Immunisations

Currently the European Region of the World Health Organization (WHO) recommends that on a national basis at least 95% of children are immunised against diseases preventable by immunisation and targeted for elimination or control (specifically, diphtheria, tetanus, pertussis, polio, Hib, measles, mumps and rubella)<sup>2</sup>. The routine childhood immunisation programme for the UK includes these immunisations recommended by WHO as well as a number of others as defined by the Department of Health in 'Immunisation against infectious diseases – the Green Book'.<sup>3</sup> The schedule for the programme is shown in Table A below.

**Table A: Routine immunisations**

Disease (Vaccine)	Age	Notes
Diphtheria, tetanus, pertussis, polio and <i>Haemophilus influenzae</i> type b (DTaP/IPV/Hib)	1st dose: 2 months 2nd dose: 3 months 3rd dose: 4 months	Primary course
Pneumococcal disease (PCV)	1st dose: 2 months 2nd dose: 4 months	Primary course
Rotavirus (from July 2013)	1st dose: 2 months 2nd dose: 3 months	Primary course
Meningococcal group C (MenC) (from June 2013)	1st dose: 3 months	Primary course
<i>Haemophilus influenzae</i> type b and Meningococcal group C (Hib / MenC)	Between 12 and 13 months	Booster
Measles/mumps/rubella (MMR)	Between 12 and 13 months	First dose
Pneumococcal disease (PCV)	Between 12 and 13 months	Booster
Diphtheria, tetanus, pertussis, and polio (dTaP/IPV or DTaP/IPV)	3yrs/4 months to 5yrs	Booster: 3 years after completion of primary course
Measles/mumps/rubella (MMR)	3yrs/4 months to 5yrs	Second dose
Human papillomavirus (HPV)*	Girls aged 12-13yrs	Course of 3 doses
Diphtheria, tetanus and polio (Td/IPV) MenC	Around 14 yrs	Booster

\*HPV vaccination information is not included in this report. This is published separately and the latest publications on HPV can be found by searching on HPV at: <https://www.gov.uk/government/publications>

A link to the formal immunisation schedule from June 2013 is available at:

<https://www.gov.uk/government/publications/routine-childhood-immunisations-from-june-2013>

<sup>2</sup> Source: [http://www.euro.who.int/\\_data/assets/pdf\\_file/0010/98398/wa540ga199heeng.pdf](http://www.euro.who.int/_data/assets/pdf_file/0010/98398/wa540ga199heeng.pdf)

<sup>3</sup> Source: <https://www.gov.uk/government/publications/green-book-the-complete-current-edition>

## Non-Routine Immunisations

In addition to the routine vaccinations shown in Table A, there are a number of non-routine vaccines – see Table B below.

**Table B: Non-routine immunisations**

Vaccine	Age	Notes
Hepatitis B	Birth to 12 months	Given to 'At Risk' Groups/4 Doses
BCG	Birth onwards	Given to 'At Risk' Groups/1 Dose

The aim of the UK Bacillus Calmette-Guerin (BCG) immunisation programme is to immunise those at increased risk of developing severe disease and/or of exposure to tuberculosis (TB) infection. Information on those groups which should be offered the vaccine can be found in the 'Green Book':

<https://www.gov.uk/government/publications/green-book-the-complete-current-edition>

NICE also publish guidelines on BCG vaccination, which can be found on their website:

<http://guidance.nice.org.uk/CG117>

**NB:** Statistics on the number of persons receiving BCG vaccinations are not published in NHS Immunisation Statistics this year as the KC50 data collection was suspended for 2012-13, pending the findings from the KC50 review. For more information see section 1.5 on Changes to the Report.

The main body of this report does not cover statistics relating to the selective neonatal hepatitis B vaccination programme as there are some issues around the quality of data for this vaccination at present. However, neonatal hepatitis B vaccine coverage data are published as 'experimental statistics' at PCT level and are available in Annex A of this report. Information on neonatal hepatitis B vaccination can be found in the 'Green Book':

<https://www.gov.uk/government/publications/green-book-the-complete-current-edition>

## Influenza Immunisations

In 2012-13, seasonal flu vaccine was offered to all those aged 65 years and over, people under 65 years of age with certain long-term medical conditions (for example, chronic respiratory and cardiac disease), front-line health and social care workers and all pregnant women. Each year the composition of the seasonal flu vaccine is designed to protect against

the influenza viruses that the World Health Organization (WHO) decides are most likely to be circulating in the coming winter<sup>4</sup>. The WHO recommended that 75% coverage for those aged 65 and over should be achieved by 2010. This publication includes information on those aged 65 and over receiving the seasonal flu vaccine. More information on the seasonal flu vaccination and the other groups vaccinated in 2012-13 is available from Public Health England:

<https://www.gov.uk/government/publications/influenza-vaccine-uptake-amongst-gp-patient-groups-in-england-for-winter-season-2012-to-2013>

<https://www.gov.uk/government/publications/seasonal-influenza-vaccine-uptake-in-healthcare-workers-winter-2012-to-2013>

Public Health England produces an annual summary of seasonal influenza activity in the UK which is available through the following link:

<http://www.hpa.org.uk/Topics/InfectiousDiseases/InfectionsAZ/SeasonalInfluenza/EpidemiologicalData/07influsInfluenzaannualreports/>

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<sup>4</sup> Source : [https://www.gov.uk/government/uploads/system/uploads/attachment\\_data/file/147958/Green-Book-Chapter-19-v4\\_71.pdf](https://www.gov.uk/government/uploads/system/uploads/attachment_data/file/147958/Green-Book-Chapter-19-v4_71.pdf)

## 1.2 Quality Statement

### 1.2.1 Data Sources

Most of the vaccination data used in this report are collected annually from PCTs or Child Health Record Departments and are extracted from Child Health Information Systems. Data on seasonal flu are collected from GP practices. Two separate collections have been used to gather the data as follows:

#### 1) Cover of Vaccination Evaluated Rapidly (COVER)

Information on childhood immunisation coverage at ages one, two and five is collected through the UK COVER collection by Public Health England (PHE, previously the Health Protection Agency (HPA)). These aggregated data are collected from Child Health Information Systems (CHISs) which are computerised systems storing clinical records supporting health promotion and prevention activities for children, including immunisation. In England, COVER data are collected for PCTs using the COVER data collection form, attached as Appendix G.

#### 2) Seasonal Flu

Information on persons aged 65 and over (as well as in other groups not reported here) immunised against seasonal flu is collected by Public Health England (previously collected by the Department of Health (DH) in collaboration with the Health Protection Agency). This information is collected from GPs through PHE's ImmForm<sup>5</sup> system.

The NHS Data Model and Dictionary Service contains more information on the COVER collection, including guidance on content, completion and definitions. A link to the return is given below:

#### **COVER**

[http://www.datadictionary.nhs.uk/data\\_dictionary/messages/central\\_return\\_forms/community/cover/cover\\_1\\_fr.asp?shownav=1](http://www.datadictionary.nhs.uk/data_dictionary/messages/central_return_forms/community/cover/cover_1_fr.asp?shownav=1)

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<sup>5</sup> Seasonal flu uptake data is submitted on-line via the ImmForm website either through an automated data extraction or by an on-line manual submission: <https://www.gov.uk/government/organisations/public-health-england/series/immform>

Further information on the COVER collection can be found in the HSCIC's List of Administrative Sources, available through the following link:

<http://www.hscic.gov.uk/pubs/listadminsources>

The data from this return are collected at the end of each financial year in aggregate form.

Data collections are quality assured at the time of collection by the collecting agency (PHE for COVER and Flu data). Further data validation and quality assurance is carried out by the HSCIC prior to publication. Appendix C contains more information on the data validation process.

PHE also undertake quarterly collections of COVER data, which provide early indications of vaccine coverage trends and are an important means of identifying any data quality issues prior to the annual collection.

### **1.2.2 Methods used to compile the statistics**

The HSCIC validates and analyses the COVER data using databases and spreadsheets (Microsoft Access and Excel).

All figures in this report are presented as simple counts or percentages (rounded to one decimal place). Coverage (defined below) is reported for the seasonal flu vaccination offered to those aged 65 and over and for the following routine childhood vaccinations:

- Diphtheria, tetanus, pertussis, polio and *Haemophilus influenzae* type b (DTaP/IPV/Hib)
- Pneumococcal disease (PCV)
- Meningococcal group C (MenC)
- Hib/MenC booster (Hib/MenC)
- Measles/mumps/rubella (MMR)

## Definitions

**Immunised:** Where a course consists of more than one dose of vaccine, administered at set intervals, immunised means having had all doses required for a full course. However, for some vaccines (i.e. Hib, MenC and PCV) the number of doses required to complete a course is age dependent. For example, a child who was not given the recommended two doses of PCV before 12 months but did receive a PCV booster dose at 12-13 months will still be considered appropriately vaccinated for their age.

**Coverage<sup>6</sup>:** Coverage is defined as the number of persons immunised as a proportion of the eligible population. The formula for the calculation of coverage is:

$$\frac{\text{Total number of eligible persons immunised}}{\text{Total number of eligible persons in the population}} \times 100$$

Specific and detailed formulae for all the coverage statistics presented in this report are provided in Appendix B. This includes definitions of the numbers of eligible persons immunised and specifies the number of doses of different vaccines that an individual is required to have by a particular age in order to be considered immunised.

**Eligible population:** Different eligible populations are used for estimating coverage for different vaccinations. For the routine childhood vaccinations listed above, the eligible population is defined as the total number of children for whom the PCT is responsible, reaching their nth birthday in the collection year. Coverage is calculated for three separate cohorts (children reaching their first, second and fifth birthdays in the collection year) and so the eligible population differs for each cohort.

The eligible population for the calculation of seasonal flu coverage amongst those aged 65 and over is defined by age at 31 March in any given year. For example, all those aged 65 years or older by 31 March 2013 were eligible to receive flu vaccine in the 2012-13 vaccination programme. The eligible population is derived from GP systems and therefore does not include those who are not registered with a GP.

The eligible population for hepatitis B (reported as experimental statistics in Annex A) is defined as the number of children for whom the PCT is responsible, with maternal hepatitis B positive status and reaching their nth birthday during the collection year. Hepatitis B

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<sup>6</sup> Prior to the 2009-10 publication, this report used the term 'uptake' to describe the percentage of the eligible population who are vaccinated. It was decided to replace the term 'uptake' with 'coverage' in 2009-10 as this is more widely used in reporting the proportion of a target population known to have received the appropriate vaccine(s).

coverage is calculated for two cohorts; children reaching their first birthday in the collection year and children reaching their second birthday), so the eligible population is different for each cohort.

PCT responsible population: This includes:

- All persons registered with a GP whose practice formed part of the PCT, regardless of where the person was resident, together with
- Any persons not registered with a GP, who were resident within the PCTs statutory geographical boundary.

Note that persons who were resident within the PCT geographical area but registered with a GP belonging to another PCT, were the responsibility of that other PCT.

The PCT responsible population is therefore different from the estimated resident population figures produced by the Office of National Statistics (ONS) for each PCT. It is also different from the registered population figures which are obtained from GP Systems (which by definition exclude unregistered persons) and are reflected in the HSCIC “Exeter” payment system (NHAIS).

For the COVER collection, the PCT responsible population is derived from the population registers held on Child Health Information Systems for the majority of PCTs.

### **1.2.3 Relevance**

Appendix D gives details of who uses the statistics in this publication and what they use them for.

### **1.2.4 Accuracy and Reliability**

These are established collections based on total populations i.e. not a sample.

#### **COVER Data**

For the COVER collection, submissions were made by all eligible Trusts.

Although relatively few data quality issues were reported in the last two years (2011-12 and 2012-13), some caution should still be exercised when comparing coverage figures over

time, as apparent trends could reflect changes in the quality of data reported as well as real changes in vaccination coverage. While this issue will be more apparent at a local level, it will also have an impact on the national figures.

## **Flu Data**

For seasonal flu vaccination in those aged 65 years and over, coverage data is based on submissions made by GP practices and PCTs. The data represents 99.3% of GP practices in England<sup>7</sup>.

Data quality issues are discussed in more detail in Appendix C of the report on Data Validation and Quality.

## **Revisions**

Where any data are re-submitted by Trusts post-publication, the HSCIC will assess whether the resubmitted data have a significant impact on England-level data. Where this is the case, the affected Excel tables will be re-issued. Where the impact on England level data is not significant, footnotes will be made to the affected Excel Tables but not to the PDF report.

### **1.2.5 Timeliness and Punctuality**

Data on immunisations are made available as soon as possible after they have been compiled and validated (usually in the September following the end of the financial year to which the data relate).

A copy of last year's report can be found at:

<http://www.hscic.gov.uk/searchcatalogue?productid=9990&q=title%3a+NHS+Immunisation+statistics&sort=Relevance&size=10&page=1#top>

### **1.2.6 Accessibility and Clarity**

Most data fields are published in the Data Tables as part of this main report, which is available on the HSCIC Immunisation web pages:

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<sup>7</sup> Data Source: DH ImmForm website - Registered Patient GP practice data Influenza Immunisation Vaccine Uptake Monitoring Programme Department of Health (DH) and Health Protection Agency (HPA)  
<https://www.gov.uk/government/publications/seasonal-flu-vaccine-uptake-in-gp-patients-1-september-2012-to-31-january-2013>



<http://www.hscic.gov.uk/pubs/immstats1213>

The tables are also available as Excel files and CSV files, which again are accessible through the web pages. Further analysis may be available on request, subject to resource limits and compliance with disclosure control requirements. Note that the data held by the HSCIC cannot be disaggregated below Trust level.

This statistical publication has been in existence for a number of years and publications are available on the HSCIC and The National Archives website dating back to 1997-98<sup>8</sup>. The bulletin was originally published by the Department of Health. With the establishment of the HSCIC, responsibility for the publication transferred to the HSCIC in 2005.

## 1.2.7 Coherence and Comparability

### Changes in the UK immunisation programme

A number of changes to the national immunisation programme are being made during 2013-14 to reflect the planned and phased implementation of a series of recommendations by the Joint Committee on Vaccination and Immunisation (JCVI) to improve the overall level of protection against preventable diseases. The changes to the childhood programme are as follows:

**Meningitis C:** The current schedule for administering the MenC conjugate vaccine changed from June 2013. The initial change was to cease giving the second priming dose at four months. This dose will be replaced by a booster dose given in adolescence.

**Rotavirus:** A vaccine to protect babies against rotavirus was introduced into the childhood immunisation schedule from July 2013. Rotavirus vaccine is offered routinely to all babies at the age of two months and again at three months when they attend for their first and second routine childhood immunisations.

**Childhood Flu:** The existing flu immunisation programme is being extended over a number of years to include all children aged two to 16 years inclusive. In autumn

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<sup>8</sup> Copies of previous editions published by the HSCIC can be accessed via the following link: <http://www.hscic.gov.uk/searchcatalogue?q=title%3A+nhs+immunisation+statistics&area=&size=10&sort=Relevance>  
Prior to 2004/05 this bulletin was published by the Department of Health. These editions can be found at: [http://webarchive.nationalarchives.gov.uk/20130107105354/http://www.dh.gov.uk/en/Publicationsandstatistics/Statistics/StatisticalWorkAreas/Statisticalhealthcare/DH\\_4086491](http://webarchive.nationalarchives.gov.uk/20130107105354/http://www.dh.gov.uk/en/Publicationsandstatistics/Statistics/StatisticalWorkAreas/Statisticalhealthcare/DH_4086491)

2013, immunisation will be offered to all healthy children aged two and three in addition to the existing offer of vaccination to children aged six months or over with clinical conditions which put them at greater risk from the effects of flu.

As the above changes to the routine immunisation schedule will be implemented from 2013-14 onwards, statistics in this publication are not affected.

Prior to the 2013-14 changes there were several fairly recent changes in the routine immunisation schedule as follows:

**November 2010:** Trusts were informed of a change to the routine childhood immunisation schedule requiring that vaccines that had previously been given separately at 12 months of age (Hib/MenC vaccine) and 13 months of age (MMR and PCV) to be given at the same visit, between 12 and 13 months of age (i.e. within a month after the first birthday)<sup>9</sup>.

**September 2006:** PCV vaccine was introduced. This is given at two and four months with a booster dose around 13 months of age. Data on the primary course (given at two and four months) evaluated at 12 months of age were first published in this bulletin in 2007-08 as experimental statistics. Coverage data for the PCV booster evaluated at 24 months were first published in 2008-09, again, as experimental statistics.

**September 2006:** A combined Hib/MenC booster vaccine was introduced for children at around 12 months of age. Vaccine coverage data for the Hib/MenC booster evaluated at 24 months was first published in this bulletin in 2008-09 as experimental statistics. Coverage statistics for the Hib/MenC booster vaccination at 5 years were first published as experimental statistics in 2011-12.

The above changes in the immunisation schedule need to be considered when interpreting trend data. Importantly, when a new vaccine is first introduced, coverage is usually below that of other vaccines given at a similar time in the first year of evaluation (and sometimes for some years after introduction). Recording/reporting issues may, in some instances, affect completeness and/or quality of data in the first year(s) following the introduction of a vaccine.

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<sup>9</sup> Trusts were advised of this change to the immunisation schedule on 17<sup>th</sup> November 2010 in a letter from the Chief Medical Officer. See: [http://www.dh.gov.uk/prod\\_consum\\_dh/groups/dh\\_digitalassets/documents/digitalasset/dh\\_121840.pdf](http://www.dh.gov.uk/prod_consum_dh/groups/dh_digitalassets/documents/digitalasset/dh_121840.pdf)

## **Impact of NHS Re-organisation**

Prior to 1<sup>st</sup> April 2013, all NHS planning and delivery was undertaken by the Department of Health, SHAs and PCTs. From April 2013, PCTs and SHAs ceased to exist and NHS England has taken on many of the functions of the former PCTs with regard to the commissioning of primary care health services. NHS England has 27 Area Teams (ATs) and 211 Clinical Commissioning Groups (CCGs), which share responsibility for commissioning services for their local communities. Immunisation services are commissioned by the Area Teams.

As the statistics presented in this report relate to 2012-13 and predate the NHS re-organisation, they are primarily presented by PCT and SHA. The Data Tables include coverage statistics by Area Team (see Tables 10c, 11c and 12c).

## **Time series**

The report shows trends in vaccination coverage and where possible seeks to explain these. The main Data Tables in the publication contain time series, which enable examination of trends in vaccination coverage over an 11 year time period. Throughout the Analysis and Commentary section, coverage statistics for 2012-13 are compared with the previous year and 5 year time series are shown. The time series for MMR evaluated at two years and for Diphtheria at one year have been extended in this year's report back to 1988 (see Appendix E for more information). This is the year the MMR vaccine was first introduced and when current definitions for measuring coverage came into effect. Historical interpretation of time series data in the Analysis and Commentary section has been assisted by experts in PHE.

## **Local and regional comparisons**

The statistics are presented at a national, regional (SHA) and local (PCT) level. Statistics are also presented by Area Team in the Data Tables (Tables 10c, 11c and 12c). Immunisation coverage statistics at Upper Tier Local Authorities level are available from the following link:

<http://www.phoutcomes.info/>

## Comparisons with other countries

The NHS Immunisation Statistics, England publication has included additional annual coverage statistics for other countries in the UK since 1997-98. This report includes the following coverage statistics for all UK countries:

<b>At 12 months</b>	DTaP/IPV/Hib, MenC, PCV
<b>At 24 months</b>	DTaP/IPV/Hib, Hib/MenC, PCV, MMR
<b>At 5 years</b>	DTaP/IPV, MMR1, MMR2 <sup>10</sup> , Hib/MenC

Vaccination data for Northern Ireland, Scotland and Wales are also available through the following links:

Northern Ireland: <http://www.publichealth.hscni.net/directorate-public-health/health-protection/vaccination-coverage>

Scotland: <http://www.isdscotland.org/Health-Topics/Child-Health/Publications/index.asp>

Wales: <http://www.wales.nhs.uk/sites3/page.cfm?orgid=457&pid=54144>

Outside the UK, national vaccination policies differ and countries use different methods to calculate vaccination coverage, therefore direct comparison with countries outside the UK is not always appropriate. However, the WHO and UNICEF attempt to determine the most accurate and up-to-date estimates of immunisation coverage for different countries through their joint annual reporting form submission from national experts. These estimates of national immunisation coverage are reported on the WHO website and available through the following link:

[http://www.who.int/immunization\\_monitoring/data/data\\_subject/en/index.html](http://www.who.int/immunization_monitoring/data/data_subject/en/index.html)

Information on research undertaken to examine comparability of vaccination coverage amongst European countries can be found on the VENICE Project website:

<http://venice.cineca.org/reports.html> and <http://venice.cineca.org/publications.html>

### 1.2.8 Performance cost and respondent burden

The data used in the publication are aggregated PCT level data gathered by PHE (previously the HPA and DH) as part of their management of the immunisation programme. These are the only sources of the data required for the report.

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<sup>10</sup> MMR1 is used to indicate at least one dose of MMR has been received. MMR2 is used to indicate that two doses of MMR have been received (anytime from 12 months up to the child's 5<sup>th</sup> birthday).

All data collections used in this publication are subject to the Review of Central Returns (ROCR) procedure and licensed by ROCR. This is to ensure that data collections do not duplicate other collections, minimise the cost to all parties and have a specific use for the data collected.

### **1.2.9 Confidentiality, Transparency and Security**

The standard NHS security and confidentiality policies have been applied in the production of these statistics. An annual risk assessment is undertaken prior to publication which addresses any potential issues around disclosure. Disclosure controls have been applied to Tables A1 and A2 of Annex A on neonatal hepatitis B.

## 1.3 Experimental Statistics

### Neonatal Hepatitis B

Annual neonatal hepatitis B vaccine coverage data have previously been published by PHE (previously the HPA) for those PCTs that were able to provide data and are available for the years 2006-07 to 2009-10<sup>11</sup>. This is the third year that neonatal hepatitis B coverage data reported through the COVER programme by PCTs are published in Annex A as 'experimental statistics'. They are published as experimental statistics as they are undergoing evaluation.

Over 20% of Trusts reported that they were unable to supply any of the required data on infants born to hepatitis B positive mothers. It would therefore be inadvisable to draw conclusions from these data and it should be noted that no national or regional data have been published.

It is hoped data suppliers that have been unable to submit data for 2012-13 are encouraged to review their systems for obtaining these data and take the necessary actions to ensure that they are able to submit data in future years.

A key part of the "Experimental statistics" label is user engagement in the evaluation of those statistics. The HSCIC invites readers to comment on this publication, which will help inform the next report. Comments may be sent to [enquiries@hscic.gov.uk](mailto:enquiries@hscic.gov.uk).

### Hib/MenC booster at 5 years

There are now two complete years of Hib/MenC booster coverage statistics at 5 years. For most Trusts, coverage figures in the first year of reporting were below those for MMR (1<sup>st</sup> dose), which was given to this cohort at a similar age. The tendency for coverage to be relatively lower when a new vaccine is added to the routine schedule is one that has previously been observed. Improvements in Hib/MenC coverage for 2012-13 have been reported for most Trusts.

The HSCIC is not aware of any problems associated with this specific data collection and therefore these statistics have been included in the main body of this year's report as National Statistics.

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<sup>11</sup> Available from <http://www.hpa.org.uk/Topics/InfectiousDiseases/InfectionsAZ/VaccineCoverageAndCOVER/>

## 1.4 Report Structure

Immunisation statistics are presented in the Analysis and Commentary section of this report in two sections as follows:

- Routine Childhood Immunisations
- Adult Influenza Immunisations

More detailed statistics are presented in the Data Tables section.

The Appendices include a Glossary (Appendix A), Coverage Definitions (Appendix B) information on Data Validation and Data Quality (Appendix C), How the Statistics are Used (Appendix D), Feedback from Users (Appendix E), Related Publications and Useful Web links (Appendix F) and the COVER data collection form (Appendix G).

Annex A includes experimental statistics on hepatitis B.

## 1.5 Changes to the Report

### **KC50**

The Health and Social Care Information Centre has recently undertaken a review of the KC50 data collection. The review was undertaken to examine future information needs and following data supply and quality issues with the collection over a period of years. During the review period the collection was suspended and therefore data from the KC50 which is normally published in this report as Tables 6, 13 and 13a are not available for the 2012-13 reporting year. The KC50 collects information on persons receiving BCG vaccinations for tuberculosis and on reinforcing doses of diphtheria, tetanus and polio (Td/IPV) given to school leavers.

The findings of the review have been considered by PHE which is now proposing the evaluation of Td/IPV coverage as part of a new annual adolescent immunisation data collection. Under this proposal, data on BCG vaccinations would be incorporated into the current COVER collection.

The HSCIC will undertake a formal consultation with users once the potential impact of any changes to existing data collections on NHS Immunisation Statistics is clear.

### **Data Tables**

Three additional tables have been added to the publication this year showing the percentage of children immunised by their first, second and fifth birthdays by Area Team (Tables 10c, 11c and 12c).

Statistics for Area Teams have been produced from PCT data. Although most PCTs fall within one Area Team, there are five cases where a small part of the PCT falls into one or more other Area Teams. Where a PCT falls into more than one Area Team, the PCT data has been apportioned on the basis of population.



## 1.6 User Feedback

The Health and Social Care Information Centre welcomes feedback on all publications. If you wish to comment on this report, a feedback form (Have Your Say) is available on the HSCIC website at:

<http://www.hscic.gov.uk/haveyoursay>

We would be particularly interested in how you use the statistics in this report.

Feedback received from users via the publication webpage is summarised in Appendix E along with any action that has been taken as a result of this feedback.

# Analysis and Commentary

## 2.1 Routine Childhood Immunisations

Routine childhood vaccination coverage statistics for children up to the age of five are calculated from figures extracted from CHISs (or from GP systems for a small number of PCTs) and reported at PCT level through the COVER programme.

Although relatively few data quality issues were reported in the last two years (2011-12 and 2012-13), some caution should still be exercised when comparing coverage figures over time, as apparent trends could reflect changes in the quality of data reported as well as real changes in vaccination coverage. While this issue will be more apparent at a local level, it will also have an impact on the national figures. For more information, see Appendix C on Data Quality.

### 2.1.1 Overview

Reported coverage figures for most routine childhood vaccinations reported through the COVER programme in 2012-13 showed an increase at national level. Although there was some regional variation, reported figures show increases in coverage across all or most childhood vaccinations for most regions.

Where a substantial change in PCT coverage from 2011-12 for one or more vaccines was reported, data providers were asked to give a reason(s) for this. Most providers reported that increases were due to improved data collection/reporting and data quality or initiatives to improve vaccination coverage.

### 2.1.2 Immunisations by first and second birthday

#### **Diphtheria, Tetanus, Pertussis, Polio and *Haemophilus influenzae* type b vaccine (DTaP/IPV/Hib, “5 in 1” Vaccine)**

Children should receive a primary course of three doses of diphtheria, tetanus, pertussis, polio and *Haemophilus influenzae* type b vaccine (DTaP/IPV/Hib ‘5 in 1’) at two, three and four months and then a booster dose of DTaP/IPV vaccine three years after completion of the primary course (Hib is boosted as part of the Hib/MenC vaccine given at between 12 and 13 months).

**Coverage at 12 months** – In 2012-13, it was reported that 94.7% of children reaching their first birthday had completed primary immunisation courses against DTaP/IPV/Hib (three doses). This is unchanged from 2011-12.

Primary DTaP/IPV/Hib coverage figures are only published from 2006-07 onwards (see Table 1 in Data Tables) as this combined vaccine was first introduced in 2004. However, a longer time series is available for third dose diphtheria vaccine coverage and this is presented in Figure 1. The time series is shown from 1988-89 as this is when current definitions for measuring coverage came into effect.

Figure 1 demonstrates the large increase in diphtheria coverage (as measured at 12 months) from 1988-89 to 1991-92. A number of factors may have contributed to this increase. The primary vaccination schedule changed in 1990 from three doses of diphtheria-containing vaccine offered at three and a half months, five months and between nine and eleven months, to three doses offered at two, three and four months. Under the new schedule, the third dose of diphtheria is offered at an earlier age (4 months), allowing more time for children to be vaccinated late and still be included in the 12 month coverage figure.

It has also been suggested that the publication of revised guidelines on immunisation by the Department of Health in 1990<sup>12</sup> and incentives for vaccination under a new GP contract are likely to have contributed to improvements in coverage between 1988 and 1991 (White et al, 1992).

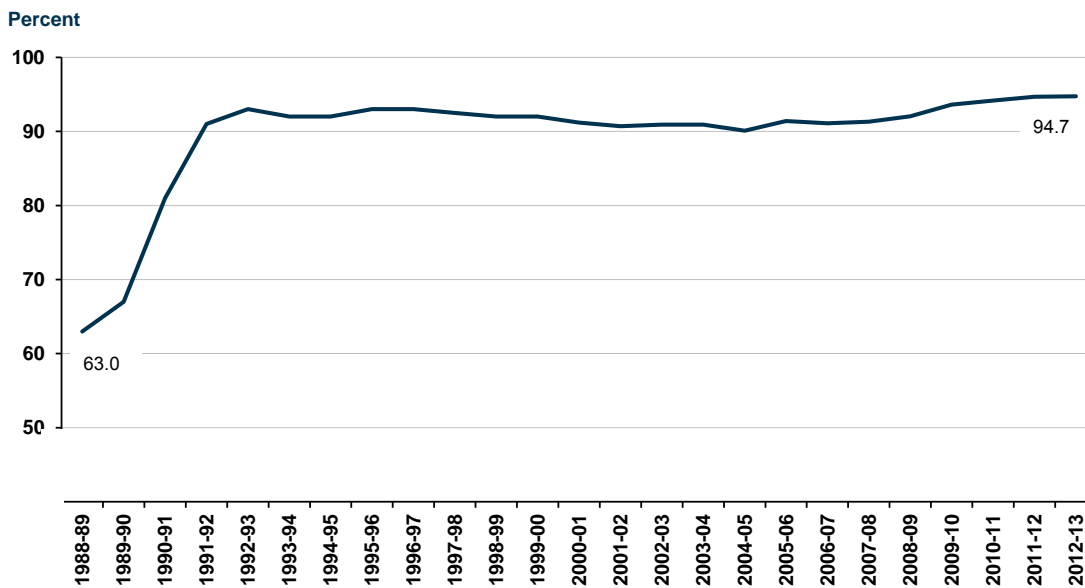
Finally, the impact of definitional changes on the quality of immunisation data has been previously been observed by the Health Protection Agency (Granerod et al). The introduction of new data returns and definitional changes to the coverage measurement in 1988 may have impacted on recorded coverage figures between 1988-89 and 1991-92.

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<sup>12</sup> Department of Health, Immunisation against Infectious disease. London: HMSO, 1990.

**Figure 1: Primary diphtheria coverage<sup>13</sup> at 12 months**

England 1988-89 to 2012-13



Figures from 2006-7 to present are for DTaP/IPV/Hib '5-in 1' vaccine which includes Diphtheria, Tetanus, Polio, Pertussis and Hib.

Source: COVER, Health and Social Care Information Centre. See also Table 8 in the Data Tables section.

Table C shows national and regional coverage of the third dose of DTaP/IPV/Hib vaccine over the last two years. Coverage was highest in North East SHA (96.5%) and lowest in London SHA (91.1%).

**Table C: DTaP/IPV/Hib coverage at 12 months**

England by SHA, 2011-12 and 2012-13

Percentages

SHA	Coverage of DTaP/IPV/Hib at 12 months	
	2011-12	2012-13
<b>England</b>	<b>94.7</b>	<b>94.7</b>
North East	96.3	96.5
North West	95.8	95.9
Yorkshire & The Humber	95.8	96.3
East Midlands	96.2	96.4
West Midlands	94.9	94.5
East of England	95.5	96.1
London	91.3	91.1
South East Coast	93.7	93.7
South Central	95.6	95.1
South West	95.6	96.1

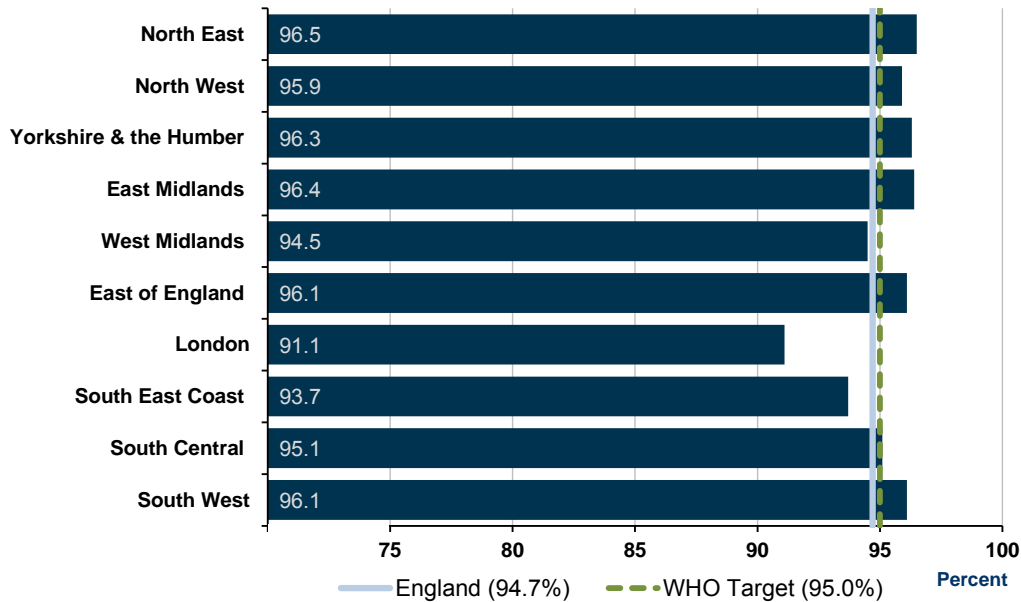
Source: COVER, Health and Social Care Information Centre. See also Table 10 in the Data Tables section.

<sup>13</sup> The primary diphtheria immunisation course is made up of three doses. Primary diphtheria coverage measures coverage of the third dose.

Figure 2 shows SHA coverage for 2012-13 against the national average and the World Health Organisation (WHO) target of at least 95%. Although coverage for England was just below the WHO target, seven out of ten SHAs met the target.

**Figure 2: DTaP/IPV/Hib coverage at 12 months**

England by SHA, 2012-13

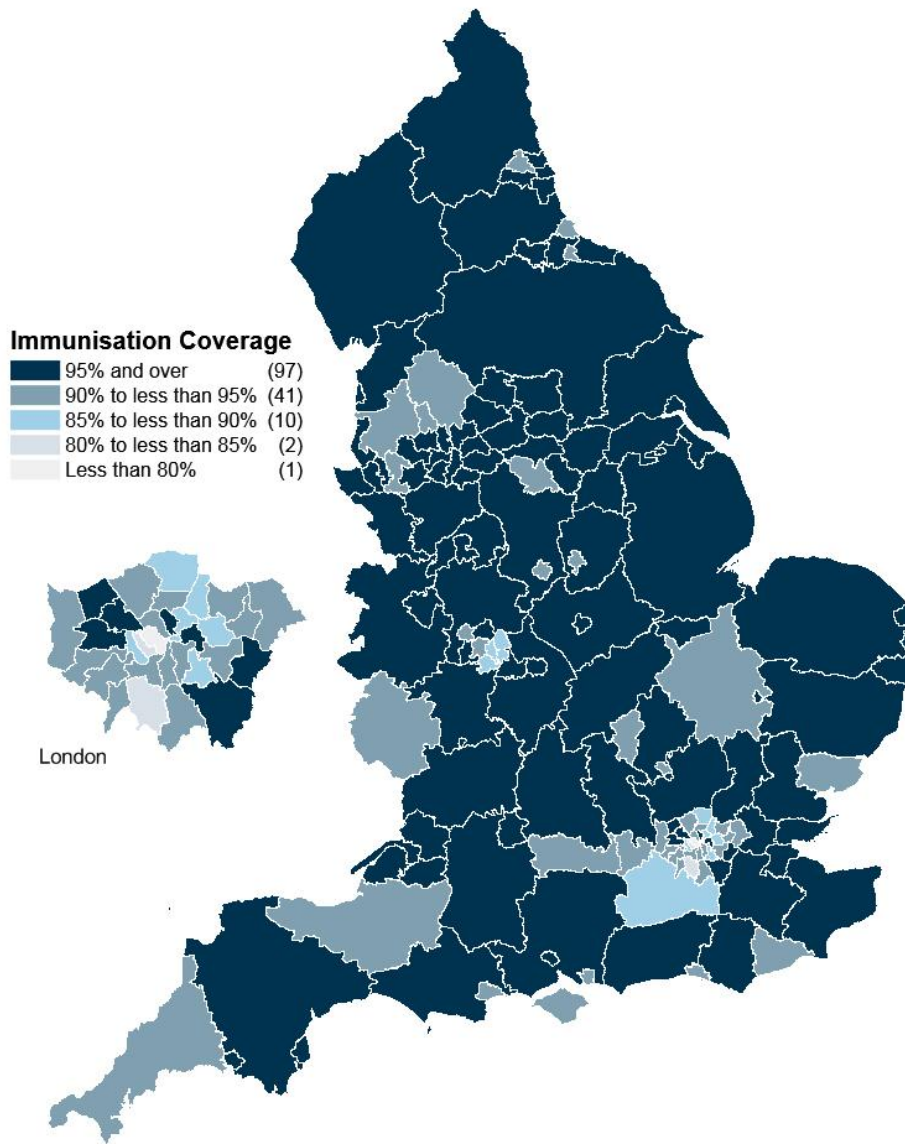


Source: COVER, Health and Social Care Information Centre. See also Table 10 in the Data Tables section.

At a local level, 138 PCTs out of 151, reported coverage at 12 months of 90% or over (see Figure 3). Of these, 97 had coverage levels of 95% and above (this compares with 95 PCTs in 2011-12). Only 13 PCTs reported coverage of less than 90%, 9 of which were in London SHA.

**Figure 3: Coverage of DTaP/IPV/Hib at 12 months**

England by Primary Care Organisation, 2012-13



Source: COVER, Health and Social Care Information Centre. See also Table 10a in the Data Tables section.

For a more detailed breakdown of the statistics in this section by PCT, see Table 10a in Data Tables.

**Coverage at 24 months** – Coverage of three doses of the combined DTaP/IPV/Hib vaccine is reported again at 24 months to monitor any improvement in the proportion of children completing their primary course after their first birthday. Table D shows national and regional coverage of the vaccine over the last two years. For children reaching their second birthday, coverage for completed courses of DTaP/IPV/Hib vaccine in 2012-13 was 96.3%, exceeding the WHO target of 95% coverage. When coverage for this cohort was measured at 12 months of age in 2011-12, 94.7% had been immunised (see Table C).

In 2012-13, increases in DTaP/IPV/Hib coverage at 24 months were recorded for seven out of the ten SHAs. Coverage was highest in North East SHA (97.8%) and lowest in London (93.6%).

**Table D: DTaP/IPV/Hib coverage at 24 months**

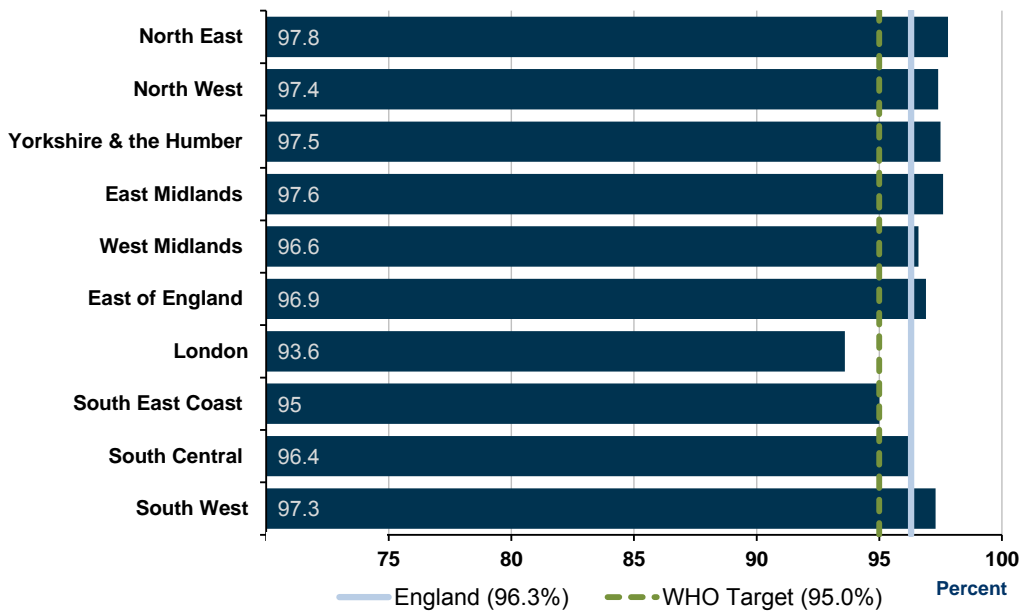
England by SHA, 2011-12 and 2012-13		Percentages
SHA	Coverage of DTaP/IPV/Hib at 24 months	
	2011-12	2012-13
<b>England</b>	<b>96.1</b>	<b>96.3</b>
North East	97.5	97.8
North West	97.1	97.4
Yorkshire & The Humber	97.1	97.5
East Midlands	97.4	97.6
West Midlands	96.8	96.6
East of England	96.5	96.9
London	93.3	93.6
South East Coast	95.3	95.0
South Central	96.8	96.4
South West	97.0	97.3

Source: COVER, Health and Social Care Information Centre. See also Table 11 in the Data Tables section.

Figure 4 shows SHA coverage for 2012-13 compared to the national average and the World Health Organisation target of at least 95%. Nine out of ten SHAs had coverage levels of 95% or more.

**Figure 4: DTaP/IPV/Hib coverage at 24 months**

England by SHA, 2012-13



Source: COVER, Health and Social Care Information Centre. See also Table 11 in the Data Tables section

For a more detailed breakdown of the statistics in this section by PCT, see Table 11a in Data Tables.

**Measles-Mumps-Rubella (MMR) vaccine**

Children should receive their first dose of MMR vaccine (MMR1) between 12 and 13 months and then a second dose between three years four months and five years.

Coverage of MMR vaccine in England for children reaching their second birthday was 92.3% in 2012-13 compared to 91.2% in 2011-12. This is the highest level of MMR coverage since the vaccine was first introduced in 1988. (See Table 9 in Data Tables).

Figure 5 shows the trend in MMR coverage since it was first introduced in 1988. The controversy and associated publicity around a potential link between the MMR vaccination and autism and Crohn’s disease, which started in the late 1990s and continued through the early 2000s, may have impacted on MMR coverage during that period. The study that initiated the controversy has since been discredited<sup>14</sup>.

<sup>14</sup> Further information is available on the PHE website:  
<http://www.hpa.org.uk/Topics/InfectiousDiseases/InfectionsAZ/MMR/GeneralInformation/>  
 The original study was published in the Lancet but later retracted:  
[http://www.thelancet.com/journals/lancet/article/PIIS0140-6736\(97\)11096-0/fulltext](http://www.thelancet.com/journals/lancet/article/PIIS0140-6736(97)11096-0/fulltext)

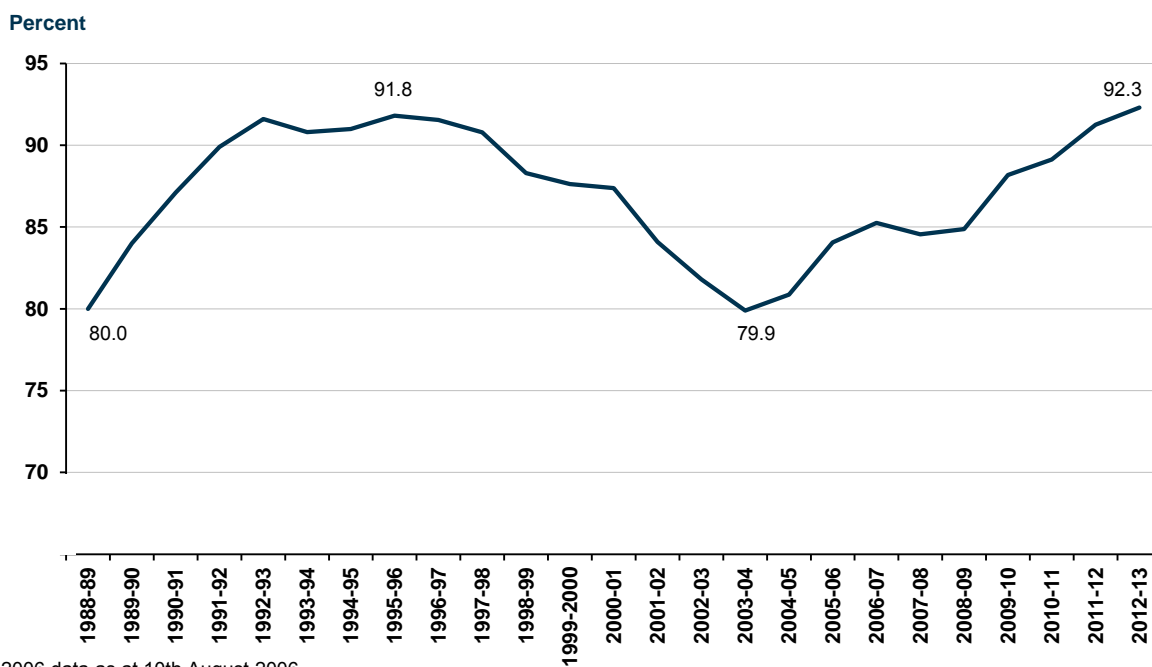


A number of different factors may have contributed to increased coverage in recent years, including:

- A National Measles, Mumps and Rubella (MMR) catch-up campaign to increase vaccination coverage in 2008-09.
- The recommendation by the Joint Committee on Vaccination and Immunisation (JCVI) in October 2010 to offer the Hib/MenC and PCV booster vaccines and the first dose of MMR vaccine at the same visit<sup>15</sup>.
- Local initiatives to improve coverage.
- Improvements in data collection, reporting and quality.

**Figure 5: MMR coverage at 24 months**

England 1988-89 to 2012-13



NB: The MMR vaccine was introduced in 1988 when it replaced the single measles vaccine.  
 Source: COVER, Health and Social Care Information Centre. See also Tables 2 and 9 in the Data Tables section.

Table E shows national and regional coverage of the vaccine over the last two years calculated from figures reported for PCTs. Increases in coverage were recorded for all SHAs in 2012-13 and coverage in nine SHAs was over 90%. Coverage was highest in North-West SHA (94.9%) and lowest in London SHA (87.1%).

<sup>15</sup> Further information is available in the following quarterly Health Protection Report published by the Health Protection Agency: <http://www.hpa.org.uk/hpr/archives/2012/hpr1212.pdf>

**Table E: MMR1 coverage at 24 months**

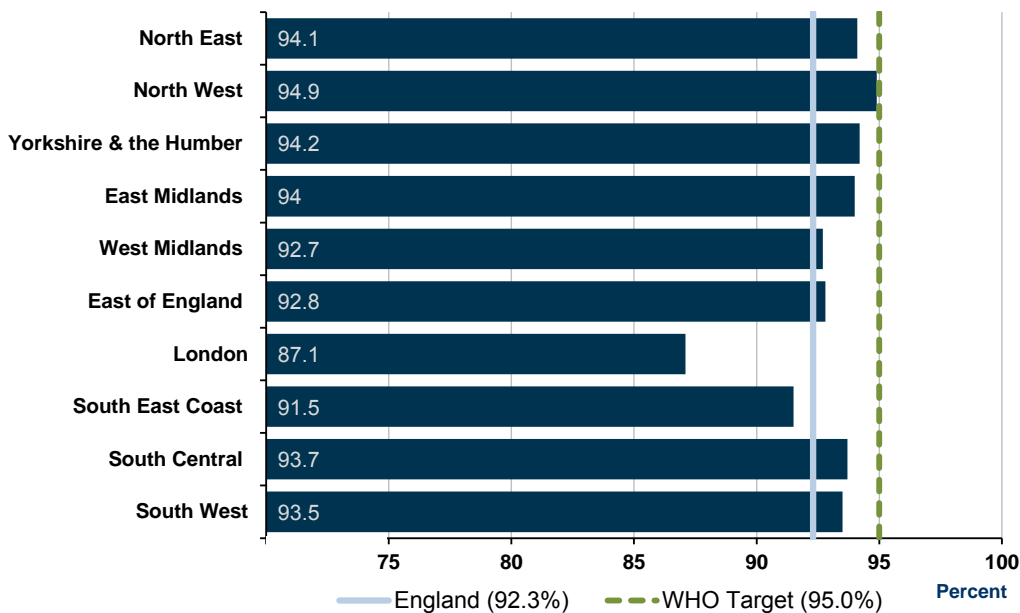
SHA	Percentages	
	Coverage of MMR1 at 24 months	
	2011-12	2012-13
<b>England</b>	<b>91.2</b>	<b>92.3</b>
North East	93.0	94.1
North West	93.4	94.9
Yorkshire & The Humber	93.1	94.2
East Midlands	92.9	94.0
West Midlands	92.0	92.7
East of England	91.8	92.8
London	86.1	87.1
South East Coast	90.6	91.5
South Central	93.5	93.7
South West	91.7	93.5

Source: COVER, Health and Social Care Information Centre. See also Table 11 in the Data Tables section.

Figure 6 shows SHA coverage for 2012-13 compared to the national average and the WHO target of at least 95%. Despite increases in recent years, MMR coverage for England and all SHAs in 2012-13 is still below the WHO target.

**Figure 6: MMR1 coverage at 24 months**

England by SHA, 2012-13

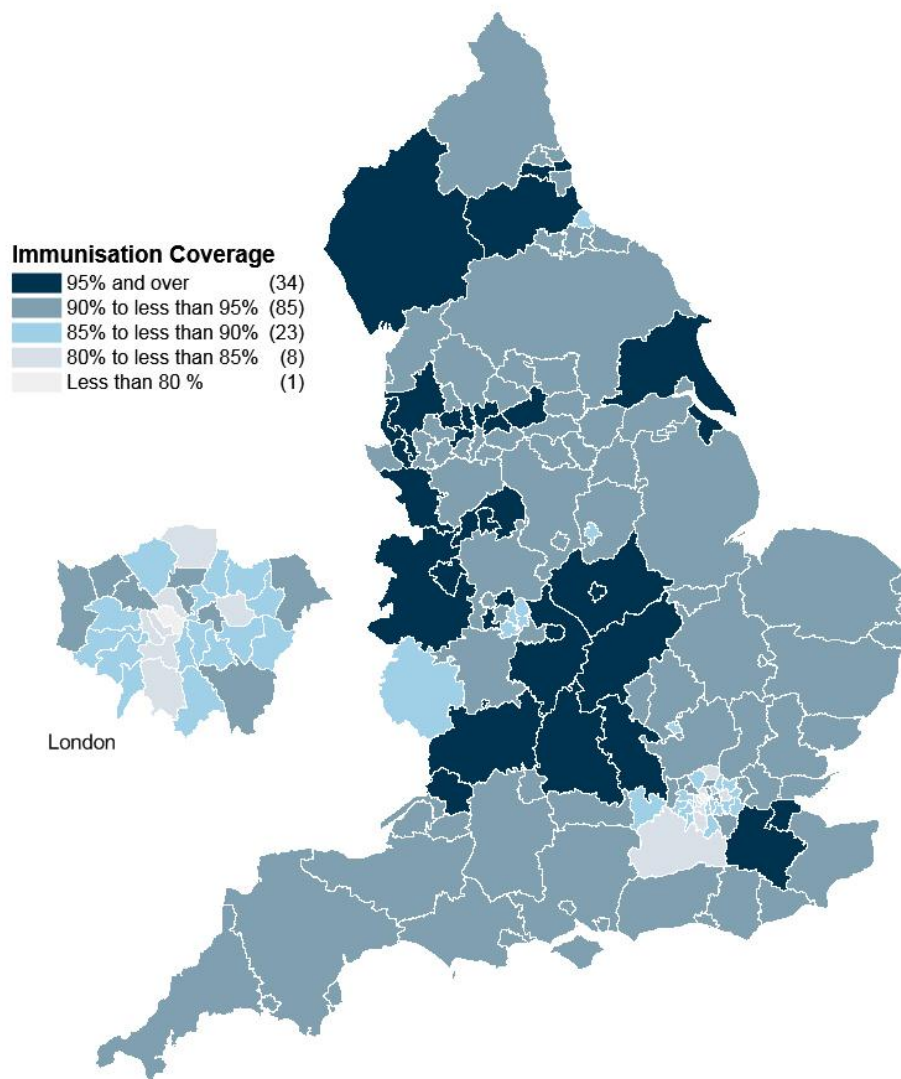


Source: COVER, Health and Social Care Information Centre. See also Table 11 in the Data Tables section

Coverage of MMR1 at 24 months at PCT level is shown in Figure 7 and highlights the lower levels of immunisation in many London PCTs. At a local level, 119 PCTs reported vaccination figures indicating coverage of 90% or above (this compares with 112 in 2011-12). 32 PCTs reported figures indicating coverage below 90% and of these one had a coverage level of less than 80%. Coverage of 95% or more (the WHO target) was reported by 34 PCTs.

**Figure 7: MMR1 coverage at 24 months**

England by PCT, 2012-13



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NB: Due to rounding, the figures presented in the above map may not exactly match those derived from aggregating the relevant columns from Table 11a in the Data Tables section.

Source: COVER, Health and Social Care Information Centre. See also Table 11a in the Data Tables section.

For a more detailed breakdown of the statistics in this section by PCT, see Table 11a in Data Tables.

## Meningococcal group C (MenC) vaccine

In 2012-13, 93.9% of children in England were reported to have completed primary immunisation courses against MenC by their first birthday. This is unchanged from 2011-12 when coverage was also 93.9% (see Table F).

**Table F: Coverage of MenC at 12 months<sup>16</sup>**

England, 2008-09 to 2012-13 Percentages

Year	Coverage of MenC at 12 months
2008-09	91.2
2009-10	92.7
2010-11	93.4
2011-12	93.9
2012-13	93.9

Source: COVER, Health and Social Care Information Centre. See also Table 1 in the Data Tables section.

Table G shows coverage over the last two years for the MenC vaccine at 12 months by SHA. Coverage was highest in North East SHA (96.0%) and lowest in London SHA (89.9%). Figure 8 shows the coverage for 2012-13 across SHAs.

**Table G: MenC coverage at 12 months**

England by SHA, 2011-12 and 2012-13 Percentages

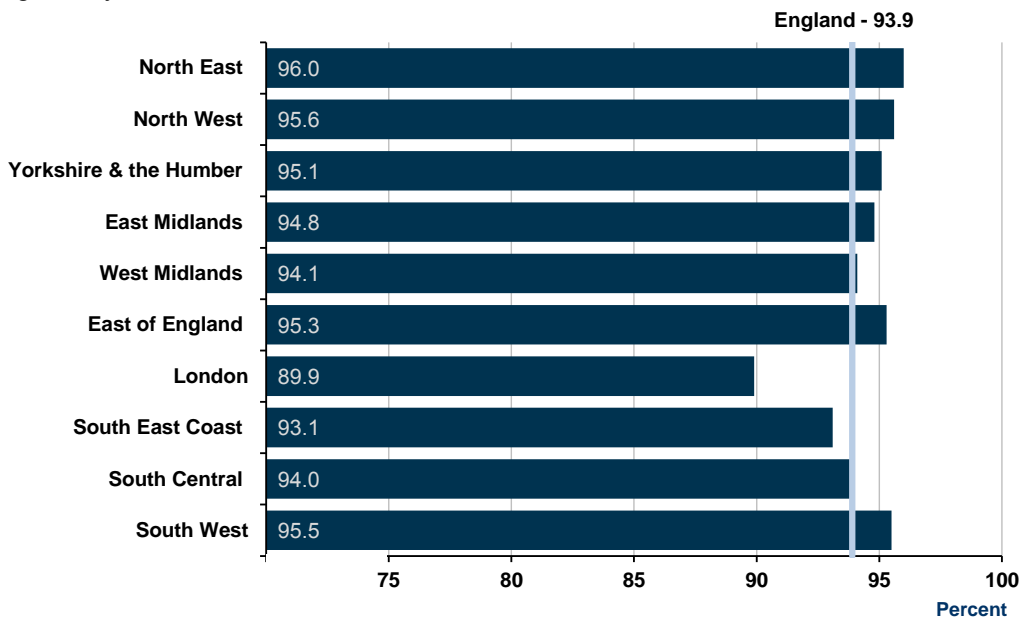
SHA	Coverage of Hib/MenC at 12 months	
	2011-12	2012-13
<b>England</b>	<b>93.9</b>	<b>93.9</b>
North East	95.8	96.0
North West	95.4	95.6
Yorkshire & The Humber	95.2	95.1
East Midlands	95.4	94.8
West Midlands	94.5	94.1
East of England	94.7	95.3
London	89.9	89.9
South East Coast	93.2	93.1
South Central	94.4	94.0
South West	95.1	95.5

Source: COVER, Health and Social Care Information Centre. See also Table 10 in the Data Tables section.

<sup>16</sup> Due to variable data quality in recent years, some caution should be exercised when comparing coverage figures over time, as apparent trends could reflect changes in the quality of data reported as well as real changes in vaccination coverage. See Appendix C for more details.

**Figure 8: MenC coverage at 12 months**

England by SHA, 2012-13



Source: COVER, Health and Social Care Information Centre. See also Table 10 in the Data Tables.

For a more detailed breakdown of the statistics in this section by PCT, see Table 10a in Data Tables.

***Haemophilus influenzae* type b and Meningococcal group C (Hib/MenC) vaccine**

In September 2006, a new immunisation programme for a combined Hib/MenC booster vaccine was introduced and children are currently offered this vaccine between 12 and 13 months of age. In 2012-13, 92.7% of children in England were reported to have received the combined Hib/MenC booster as measured at two years. This compares with 92.3% in 2011-12 (see Table H).

**Table H: Coverage of Hib/MenC at 24 months<sup>17</sup>**

England, 2008-09 to 2012-13 Percentages

<b>Year</b>	<b>Coverage of Hib/MenC at 24 months</b>
2008-09	85.4
2009-10	90.0
2010-11	91.6
2011-12	92.3
2012-13	92.7

Source: COVER, Health and Social Care Information Centre. See also Table 2 in the Data Tables section.

Regional and national coverage of the vaccine is shown in Table I and Figure 9. Increases in coverage were recorded for seven out of ten SHAs in 2012-13. Coverage was highest in the North East SHA (95.5%) and lowest in London SHA (87.3%).

**Table I: Hib/MenC coverage at 24 months**

England by SHA, 2011-12 and 2012-13 Percentages

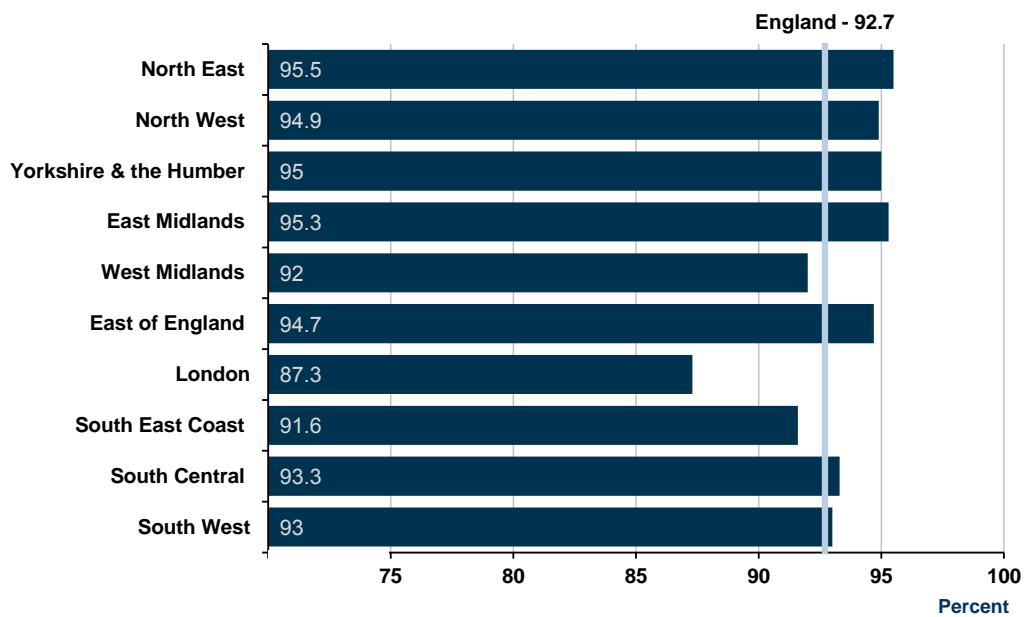
<b>SHA</b>	<b>Coverage of Hib/MenC at 24 months</b>	
	<b>2011-12</b>	<b>2012-13</b>
<b>England</b>	<b>92.3</b>	<b>92.7</b>
North East	95.3	95.5
North West	94.3	94.9
Yorkshire & The Humber	94.6	95.0
East Midlands	94.8	95.3
West Midlands	92.5	92.0
East of England	94.4	94.7
London	86.8	87.3
South East Coast	91.7	91.6
South Central	93.4	93.3
South West	92.2	93.0

Source: COVER, Health and Social Care Information Centre. See also Table 11 in the Data Tables section.

<sup>17</sup> Due to variable data quality in recent years, some caution should be exercised when comparing coverage figures over time, as apparent trends could reflect changes in the quality of data reported as well as real changes in vaccination coverage. See Appendix C for more details.

**Figure 9: Hib/MenC coverage at 24 months**

England by SHA, 2012-13



Source: COVER, Health and Social Care Information Centre. See also Table 11 in the Data Tables section.

For a more detailed breakdown of the statistics in this section by PCT, see Table 11a in the Data Tables.

### **Pneumococcal Conjugate Vaccine (PCV) vaccine**

PCV vaccine was introduced into the routine immunisation programme in September 2006 and is offered at two and four months of age with a booster dose at 12 to 13 months. Table J shows coverage of two doses at 12 months over the last five years. Reported figures show that 94.4% of children in England had completed a primary immunisation course of PCV at 12 months in 2012-13. This compares with 94.2% in 2011-12

**Table J: PCV coverage at 12 months<sup>18</sup>**

England, 2008-09 to 2012-13 Percentages

Year	Coverage of PCV at 12 months
	Percentages
2008-09	91.3
2009-10	92.9
2010-11	93.6
2011-12	94.2
2012-13	94.4

Source: COVER, Health and Social Care Information Centre. See also Table 1 in the Data Tables section.

Regional and national coverage of the vaccine is shown in Table K and Figure 10. Increases were recorded for eight out of ten SHAs from 2011-12 to 2012-13. Coverage was highest in North East SHA (96.4%) and lowest in London (90.8%).

**Table K: PCV coverage at 12 months**

England by SHA, 2011-12 and 2012-13 Percentages

SHA	Coverage of PCV at 12 months	
	2011-12	2012-13
<b>England</b>	<b>94.2</b>	<b>94.4</b>
North East	96.1	96.4
North West	95.6	95.8
Yorkshire & The Humber	95.7	95.9
East Midlands	95.8	96.0
West Midlands	94.6	94.1
East of England	95.0	95.7
London	90.4	90.8
South East Coast	93.1	93.2
South Central	95.1	94.5
South West	95.4	96.0

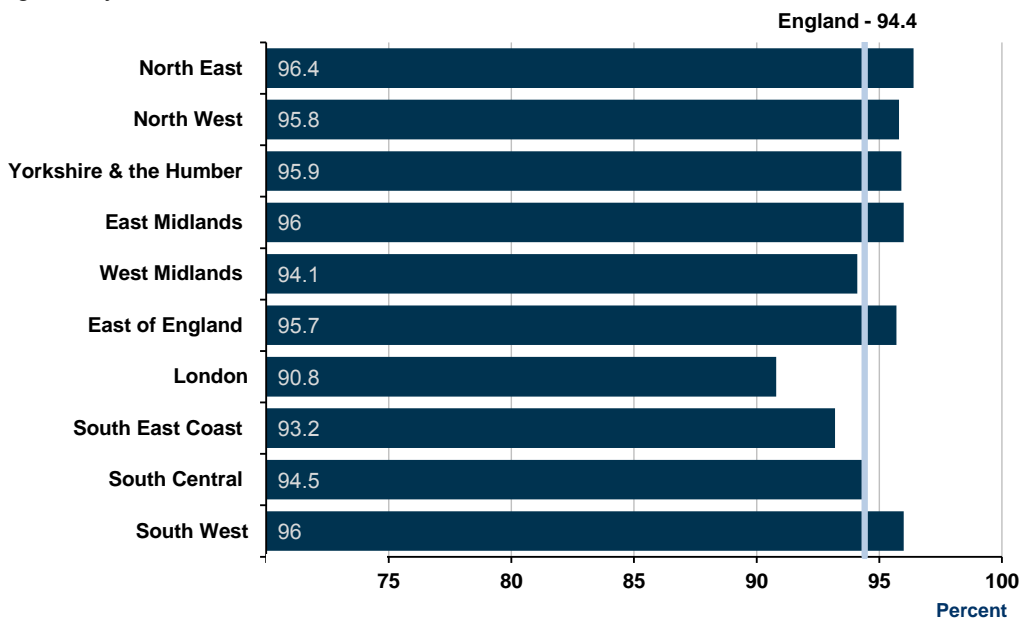
Source: COVER, Health and Social Care Information Centre. See also Table 10 in the Data Tables section.

<sup>18</sup> Due to variable data quality in recent years, some caution should be exercised when comparing coverage figures over time, as apparent trends could reflect changes in the quality of data reported as well as real changes in vaccination coverage. See Appendix C for more details.



**Figure 10: PCV coverage at 12 months**

England by SHA, 2012-13



Source: COVER, Health and Social Care Information Centre. See also Table 10 in the Data Tables section.

For a more detailed breakdown of the statistics in this section by PCT, see Table 10a in Data Tables.

National coverage of the PCV booster vaccine at 24 months exceeded 90% for the second successive year in 2012-13, with 92.5% of children in England reported to have received the PCV booster as measured at 24 months. This is an increase from 91.5% in 2011-12 (see Table L).

**Table L: PCV coverage at 24 months<sup>19</sup>**

England, 2008-09 to 2012-13 Percentages

Year	Coverage of PCV at 24 months
2008-09	81.5
2009-10	87.6
2010-11	89.3
2011-12	91.5
2012-13	92.5

Source: COVER, Health and Social Care Information Centre. See also Table 2 in the Data Tables section.

<sup>19</sup> Due to variable data quality in recent years, some caution should be exercised when comparing coverage figures over time, as apparent trends could reflect changes in the quality of data reported as well as real changes in vaccination coverage. See Appendix C for more details.

Regional and national coverage of the vaccine is shown in Table M and Figure 11. All SHAs recorded increases from 2011-12 to 2012-13. Coverage was highest in North East SHA (95.0%) and lowest in London (86.6%).

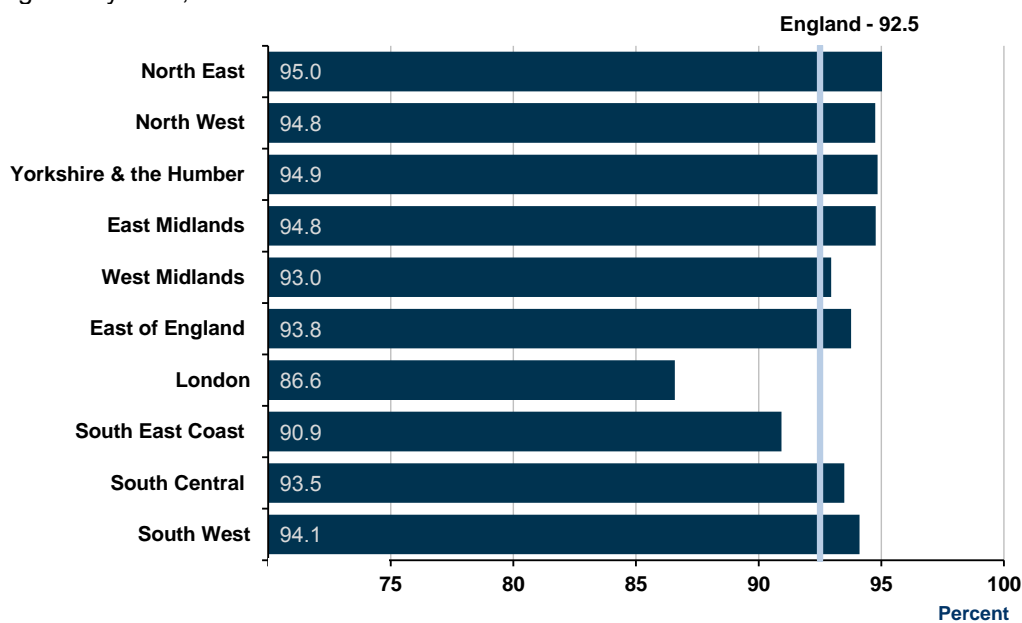
**Table M: PCV coverage at 24 months**

England by SHA, 2011-12 and 2012-13		Percentages
SHA	Coverage of PCV at 24 months	
	2011-12	2012-13
<b>England</b>	<b>91.5</b>	<b>92.5</b>
North East	94.2	95.0
North West	93.7	94.8
Yorkshire & The Humber	94.0	94.9
East Midlands	93.7	94.8
West Midlands	92.6	93.0
East of England	92.7	93.8
London	85.3	86.6
South East Coast	90.3	90.9
South Central	93.2	93.5
South West	92.3	94.1

Source: COVER, Health and Social Care Information Centre. See also Table 11 in the Data Tables section.

**Figure 11: PCV coverage at 24 months**

England by SHA, 2012-13



Source: COVER, Health and Social Care Information Centre. See also Table 11 in the Data Tables section.

For a more detailed breakdown of the statistics in this section, see Table 11a in the Data Tables.

### Coverage in UK countries at 12 and 24 months

The COVER programme also collects equivalent coverage data from Northern Ireland, Scotland and Wales. Quarterly UK and country level vaccine coverage statistics are published in the quarterly COVER report in the *Health Protection Report* on the PHE website.<sup>20</sup>

Table N shows coverage in England to be below that in other UK countries. Links to data for Northern Ireland, Scotland and Wales can be found in section 1.2.7.

**Table N: Completed immunisations (all antigens) by 12 months and 24 months**

United Kingdom by country, 2012-13

Percentages

Country	Coverage at 12 months			Coverage at 24 months				
	DTaP/IPV/ Hib	MenC	PCV	DTaP/IPV/ Hib	Hib/MenC booster	PCV booster	MMR1	MenC primary
<b>United Kingdom</b>	<b>95.1</b>	<b>94.3</b>	<b>94.8</b>	<b>96.6</b>	<b>93.1</b>	<b>92.9</b>	<b>92.7</b>	<b>95.3</b>
England	94.7	93.9	94.4	96.3	92.7	92.5	92.3	95.1
Wales	96.5	96.1	95.9	97.7	94.4	95.2	94.6	96.6
Scotland	97.4	96.9	97.4	98.2	95.7	95.5	95.1	96.2
Northern Ireland	97.6	97.4	97.5	98.6	95.9	95.8	95.6	97.0

Source: COVER, Health and Social Care Information Centre. See also Tables 5a and 5b in the Data Tables section.

<sup>20</sup> [http://www.hpa.org.uk/web/HPAweb&HPAwebStandard/HPAweb\\_C/1195733757253](http://www.hpa.org.uk/web/HPAweb&HPAwebStandard/HPAweb_C/1195733757253). This report also publishes coverage statistics for Strategic Health Authorities. Annual country level data are also published by the responsible organisation within Scotland (see <http://www.isdscotland.org/Health-Topics/Child-Health/Immunisation/>) and Wales (see <http://www.wales.nhs.uk/sites3/page.cfm?orgid=457&pid=27777>)

### 2.1.3 Immunisations by fifth birthday

#### Diphtheria, Tetanus, Pertussis and Polio (DTaP/IPV)

Reported vaccinations for DTaP/IPV indicate that 88.9% of children in England had received their booster at five years of age in 2012-13. This is an increase from 87.4% in 2011-12. Table O shows coverage of this vaccine over the last five years.

**Table O: Coverage of DTaP/IPV booster at 5 years<sup>21</sup>**

England, 2008-09 to 2012-13		Percentages
Year	Coverage of DTaP/IPV Booster at 5 years	
2008-09	80.1	
2009-10	84.8	
2010-11	85.9	
2011-12	87.4	
2012-13	88.9	

Source: COVER, Health and Social Care Information Centre. See also Table 3 in the Data Tables section.

Table P shows national and regional coverage of the vaccine over the last two years. Increases in coverage were recorded for nine out of ten SHAs in 2012-13 and coverage was over 90% in eight SHAs. Coverage was highest in North East SHA (93.0%) and lowest in London SHA (79.9%).

<sup>21</sup> Due to variable data quality in recent years, some caution should be exercised when comparing coverage figures over time, as apparent trends could reflect changes in the quality of data reported as well as real changes in vaccination coverage. See Appendix C for more details.

**Table P: Coverage of DTaP/IPV booster at 5 Years**

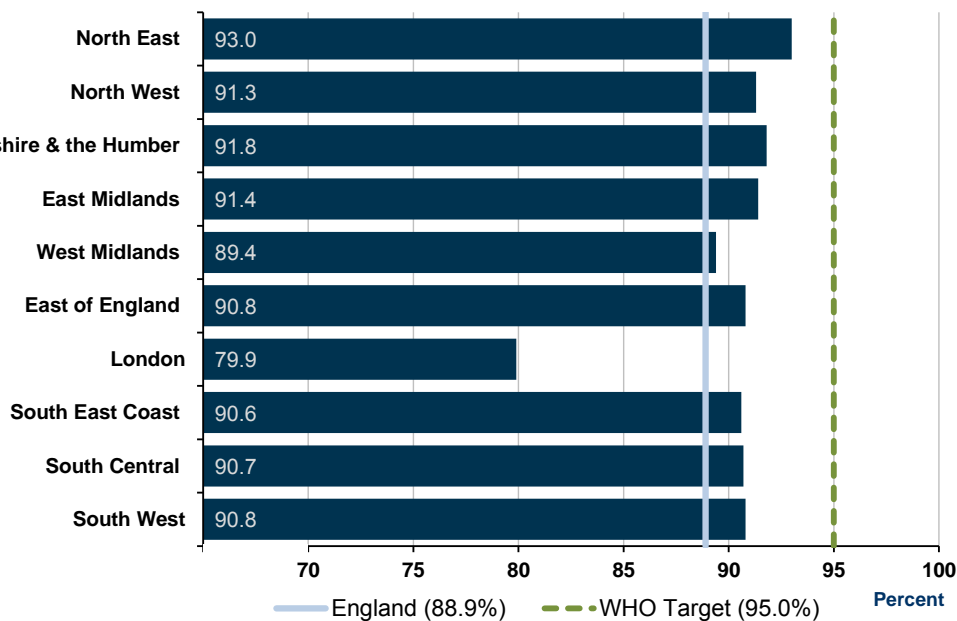
England by SHA, 2011-12 and 2012-13		Percentages	
	Coverage of DTaP/IPV booster at 5 years		
	2011-12	2012-13	
<b>England</b>	<b>87.4</b>	<b>88.9</b>	
North East	91.7	93.0	
North West	89.1	91.3	
Yorkshire & The Humber	90.2	91.8	
East Midlands	90.2	91.4	
West Midlands	89.9	89.4	
East of England	89.1	90.8	
London	78.8	79.9	
South East Coast	86.4	90.6	
South Central	89.8	90.7	
South West	87.8	90.8	

Source: COVER, Health and Social Care Information Centre. See also Table 12 in the Data Tables section.

Figure 12 shows SHA coverage for 2012-13, compared to the national average and the WHO target of at least 95%. Despite national increases for five consecutive years, England coverage is still below the WHO target, with no SHAs achieving this level of coverage in 2012-13.

**Figure 12: Coverage of DTaP/IPV booster at 5 Years**

England by SHA, 2012-13



Source: COVER, Health and Social Care Information Centre. See also Table 12 in the Data Tables section.

For a more detailed breakdown of the statistics in this section, see Table 12a in Data Tables.

### Measles-Mumps-Rubella (MMR) vaccine

Reported figures show that 87.7% of children in England had received their first and second dose of MMR vaccine (MMR2) by their fifth birthday in 2012-13, an increase from 86.0% in 2011-12. Table Q shows coverage of MMR2 at 5 years over the last five years.

**Table Q: Coverage of MMR2 (both doses) at 5 years<sup>22</sup>**

England, 2008-09 to 2012-13		Percentages
Year	Coverage of MMR2 at 5 years	
2008-09	78.0	
2009-10	82.7	
2010-11	84.2	
2011-12	86.0	
2012-13	87.7	

Source: COVER, Health and Social Care Information Centre. See also Table 3 in the Data Tables section.

Table R shows national and regional coverage of the vaccine over the last two years. Increases in coverage were recorded for all SHAs in 2012-13. Coverage was highest in the North East (91.7%) and lowest in London (80.8%).

<sup>22</sup> Due to variable data quality in recent years, some caution should be exercised when comparing coverage figures over time, as apparent trends could reflect changes in the quality of data reported as well as real changes in vaccination coverage. See Appendix C for more details.

**Table R: MMR2 coverage at 5 years**

England by SHA, 2011-12 and 2012-13 Percentages

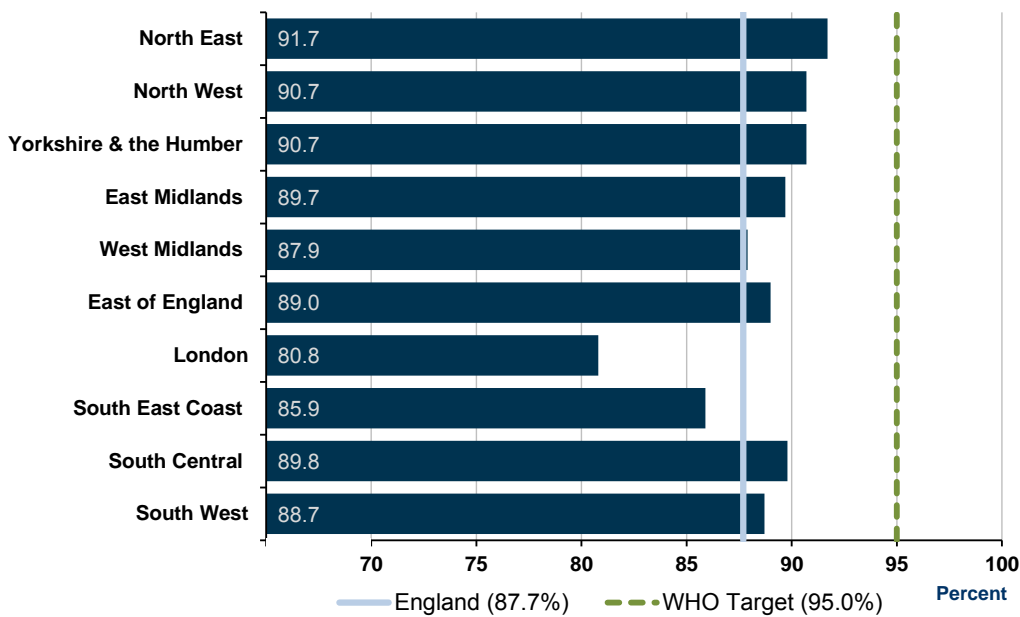
SHA	Coverage at 5 years	
	First and second dose (MMR2)	
	2011-12	2012-13
<b>England</b>	<b>86.0</b>	<b>87.7</b>
North East	89.9	91.7
North West	87.9	90.7
Yorkshire & The Humber	89.1	90.7
East Midlands	88.2	89.7
West Midlands	87.5	87.9
East of England	86.9	89.0
London	80.2	80.8
South East Coast	84.2	85.9
South Central	88.0	89.8
South West	84.8	88.7

Source: COVER, Health and Social Care Information Centre. See also Table 12 in the Data Tables section.

Figure 13 shows SHA coverage for 2012-13 compared to the national average and the WHO target of at least 95%. Despite national increases in recent years, England coverage remains below the WHO target, with no SHAs achieving this level of coverage in 2012/3.

**Figure 13: MMR2 coverage at 5 years**

England by SHA, 2012-13



Source: COVER, Health and Social Care Information Centre. See also Table 12 in the Data Tables section.

Comparison of national coverage in 2012-13 at age five shows that whilst 93.9% of children had received their first dose of MMR, only 87.7% completed the recommended schedule of two doses by this age. This difference is evident across SHAs (see Table S).

**Table S: MMR1 and MMR2 coverage at 5 years**

England by SHA, 2012-13		Percentages	
SHA	Coverage at 5 years		
	First dose (MMR1)	First and second dose (MMR2)	
<b>England</b>	<b>93.9</b>	<b>87.7</b>	
North East	96.2	91.7	
North West	95.9	90.7	
Yorkshire & The Humber	95.6	90.7	
East Midlands	95.0	89.7	
West Midlands	94.7	87.9	
East of England	93.2	89.0	
London	90.6	80.8	
South East Coast	92.2	85.9	
South Central	94.4	89.8	
South West	94.6	88.7	

Source: COVER, Health and Social Care Information Centre. See also Table 12 in the Data Tables section.

For a more detailed breakdown of the statistics in this section, see Table 12a in Data Tables.

### ***Haemophilus influenzae* type b and meningococcal group C (Hib/MenC) vaccine**

Coverage of the Hib/MenC booster currently given to children between 12 and 13 months<sup>23</sup> is reported again at 5 years to monitor any improvement in coverage amongst children after their second birthday. Coverage data for the combined Hib/MenC booster vaccination at 5 years are available for the second year.

In England, 91.5% of children were reported to have received the Hib/MenC booster as measured at five years in 2012-13. This compares with 88.9% in 2011-12 when coverage of this vaccine was first reported.

<sup>23</sup> Prior to January 2011, Hib/MenC booster was given to children at around 12 months.



National and regional coverage is shown in Table T and Figure 14. Increases in coverage were recorded for all SHAs in 2012-13, with coverage highest in Yorkshire & the Humber (94.8%) and lowest in London (86.9%).

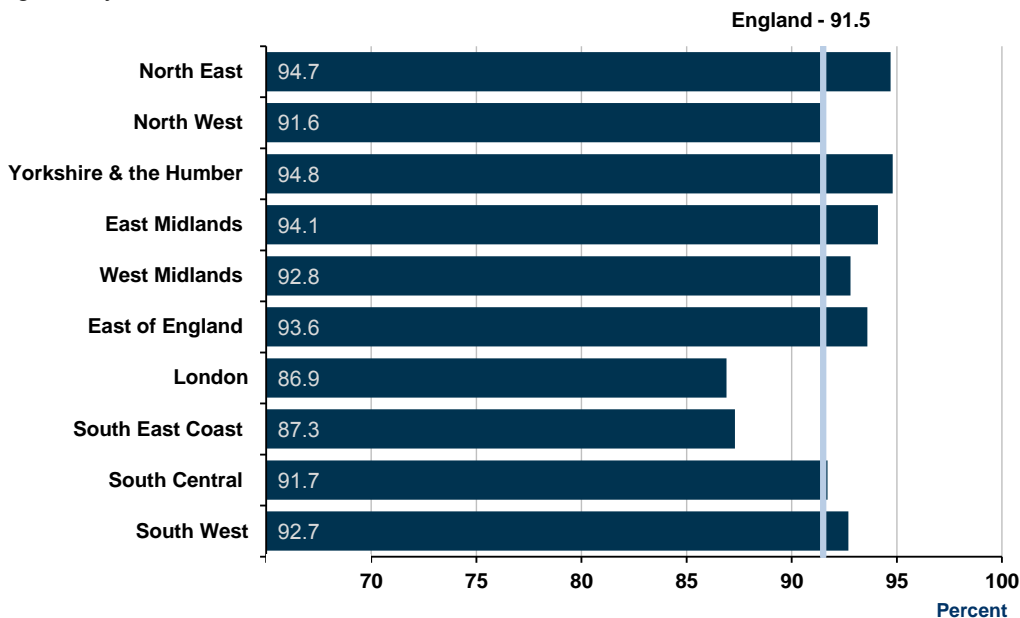
**Table T: Hib/MenC coverage at 5 years**

England by SHA, 2011-12 and 2012-13	Percentages	
	Coverage of Hib/MenC at 5 years	
	2011-12	2012-13
<b>England</b>	<b>88.9</b>	<b>91.5</b>
North East	89.8	94.7
North West	89.2	91.6
Yorkshire & The Humber	92.3	94.8
East Midlands	91.0	94.1
West Midlands	92.1	92.8
East of England	91.8	93.6
London	81.5	86.9
South East Coast	85.7	87.3
South Central	90.7	91.7
South West	91.3	92.7

Source: COVER, Health and Social Care Information Centre. See also Table 12 in the Data Tables section.

**Figure 14: Hib/MenC coverage at 5 years**

England by SHA, 2012-13



Source: COVER, Health and Social Care Information Centre. See also Table 12 in the Data Tables section.

For a more detailed breakdown of the statistics in this section, see Table 12a in Data Tables.

## Coverage in UK countries at 5 years

Table U shows how England compares with other countries in the UK.

In 2012-13, vaccination coverage in England at 5 years was, for all reported vaccinations, below that of other UK countries. Links to data for Northern Ireland, Scotland and Wales can be found in section 1.2.7.

**Table U: Completed immunisations (all antigens) by 5 years**

United Kingdom by country, 2012-13 Percentages

Country	Coverage at 5 Years			
	DTaP/IPV Booster	MMR1 First dose	MMR2 First and second dose	Hib/MenC Booster
<b>United Kingdom</b>	<b>89.5</b>	<b>94.3</b>	<b>88.2</b>	<b>92.0</b>
England	88.9	93.9	87.7	91.5
Wales	91.3	95.8	89.6	93.8
Scotland	93.3	96.9	92.1	95.8
Northern Ireland	92.2	97.0	90.9	94.3

Source: COVER, Health and Social Care Information Centre. See also Table 5c in the Data Tables section.

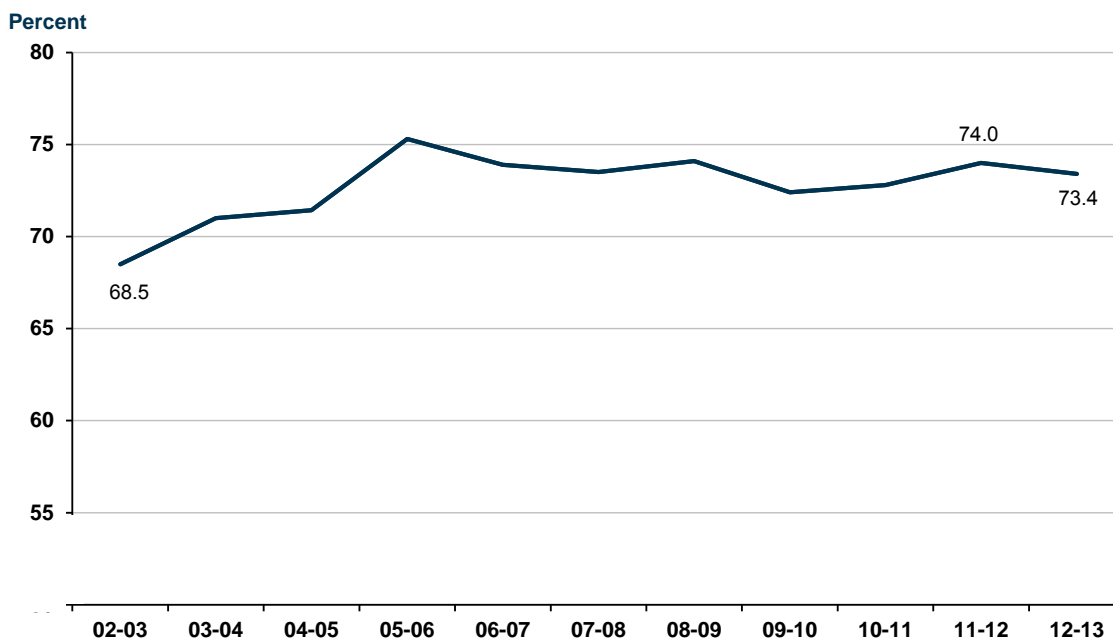
## 2.2 Adult Influenza Immunisations

### Influenza (seasonal flu) Vaccination

A campaign to immunise all persons aged 65 and over against influenza (also known as seasonal flu) was introduced in the 2000-01 winter season. Coverage for this age group in England was 73.4% in 2012-13, below the World Health Organization target of 75% and a decrease from 74.0% recorded in 2011-12 (see Figure 15).

**Figure 15: Influenza vaccine coverage in persons aged 65 and over**

England, 2002-03 to 2012-13



NB: Coverage figures have been rounded to one decimal place.  
Source: PHE

Table V shows the percentage of persons aged 65 and over immunised against influenza at national and regional level over the last two years. Coverage fell in all but one SHA in 2012-13 when compared with the previous year. Coverage was highest in North West SHA (75.8%) and lowest in South East Coast SHA (71.0%).

**Table V: Percentage of persons aged 65 and over immunised against influenza**

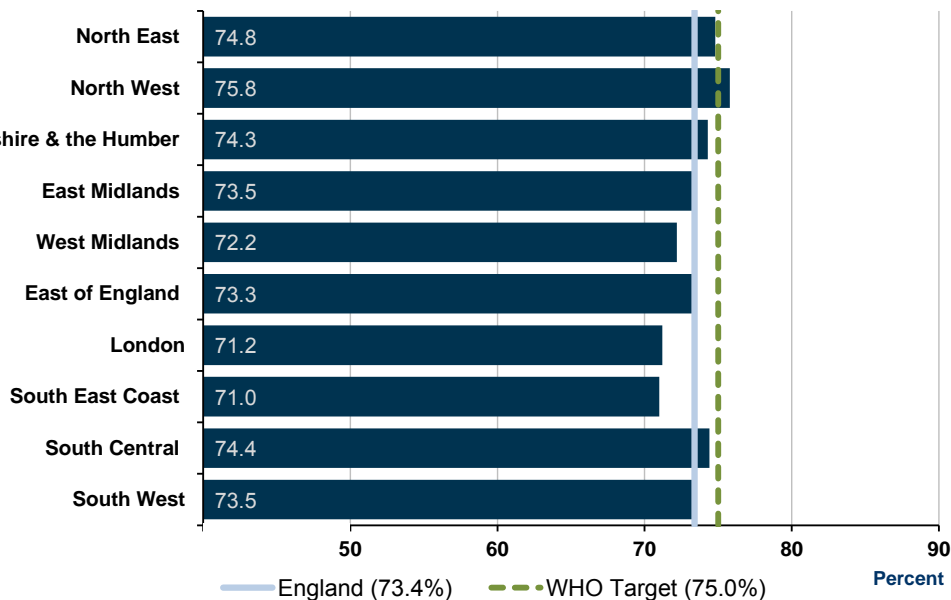
SHA	Percentages	
	Coverage	
	2011-12	2012-13
<b>England</b>	<b>74.0</b>	<b>73.4</b>
North East	75.8	74.8
North West	76.7	75.8
Yorkshire & The Humber	74.8	74.3
East Midlands	73.9	73.5
West Midlands	72.6	72.2
East of England	73.5	73.3
London	72.2	71.2
South East Coast	72.1	71.0
South Central	74.4	74.4
South West	74.2	73.5

Source: PHE. See Table 14 in the Data Tables section.

Figure 16 shows SHA coverage for 2012-13 compared to the national average and the WHO target of at least 75%. North West was the only SHA to have met the WHO target in 2012-13.

**Figure 16: Percentage of persons aged 65 and over immunised against influenza**

England by SHA, 2012-13



Source: PHE. See Table 14 in the Data Tables section.

For a more detailed breakdown of the statistics in this section, see Table 14a in Data Tables.

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2	<a href="#">Completed primary and booster courses: percentage of children immunised by their second birthday, 2002-03 to 2012-13</a>
3	<a href="#">Completed primary courses and boosters: percentage of children immunised by their fifth birthday, 2002-03 to 2012-13</a>
4	<a href="#">Completed primary courses: percentage of children immunised by their second birthday, by Strategic Health Authority, 2002-03 to 2012-13</a>
5a	<a href="#">Percentage of children immunised by their 1st birthday, by country of the UK, 2012-13</a>
5b	<a href="#">Percentage of children immunised by their 2nd birthday, by country of the UK, 2012-13</a>
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6	<a href="#">BCG vaccinations by age</a>
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7	<a href="#">Tuberculin skin tests by result and BCG vaccinations, 2002-03 to 2012-13</a>
8	<a href="#">Completed primary courses: percentage of children immunised by their first birthday against Diphtheria, 1988-89 to 2012-13</a>
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10	<a href="#">Percentage of children immunised by their 1st birthday, by Strategic Health Authority, 2012-13</a>
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12c	<a href="#">Percentage of children immunised by their 5th birthday by Area Team, 2012-13</a>
13	<a href="#">Number of persons receiving BCG vaccinations and number of reinforcing doses of Diphtheria, Tetanus and Polio given to school leavers, by Strategic Health Authority</a>
	<i>This table is not available for 2012-13 as the KC50 data collection was suspended pending a review.</i>
13a	<a href="#">Number of persons receiving BCG vaccinations and number of reinforcing doses of Diphtheria, Tetanus and Polio given to school leavers, by provider</a>
	<i>This table is not available for 2012-13 as the KC50 data collection was suspended pending a review.</i>
14	<a href="#">Percentage of persons aged 65 and over immunised against Influenza (seasonal flu) by Strategic Health Authority, 2012-13</a>
14a	<a href="#">Percentage of persons aged 65 and over immunised against Influenza (seasonal flu) by Primary Care Organisation, 2012-13</a>

# NHS Immunisation Statistics, England 2012-13

Table 1: Completed primary courses: percentage of children immunised by their first birthday, 2002-03 to 2012-13

England		percentages						
Year of 1st birthday	Diphtheria Tetanus Polio Pertussis Hib (DTaP/IPV/Hib) primary	Diphtheria primary	Tetanus primary	Polio primary	Pertussis (whooping cough) primary	Haemophilus Influenzae b (Hib) primary	Meningococcal group C (MenC) primary	Pneumococcal Disease (PCV) primary
2002-03	.	90.9	90.9	90.8	90.5	90.7	90.0	.
2003-04	.	90.9	90.9	90.9	90.6	90.8	90.2	.
2004-05	.	90.1	90.1	90.0	89.9	89.9	89.6	.
2005-06 <sup>(1)</sup>	.	91.4	91.3	91.3	91.4	91.3	90.9	.
2006-07 <sup>(2)</sup>	91.1	.	.	.	.	.	91.0	.
2007-08 <sup>(3)</sup>	91.3	.	.	.	.	.	90.3	83.7
2008-09 <sup>(4)</sup>	92.0	.	.	.	.	.	91.2	91.3
2009-10 <sup>(5)</sup>	93.6	.	.	.	.	.	92.7	92.9
2010-11 <sup>(6)</sup>	94.2	.	.	.	.	.	93.4	93.6
2011-12 <sup>(7)</sup>	94.7	.	.	.	.	.	93.9	94.2
2012-13 <sup>(8)</sup>	94.7	.	.	.	.	.	93.9	94.4

Source: COVER

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Table 2: Completed primary and booster courses: percentage of children immunised by their second birthday, 2002-03 to 2012-13

England		percentages								
Year of 2nd birthday	Diphtheria Tetanus Polio Pertussis Hib (DTaP/IPV/Hib) primary	Diphtheria primary	Tetanus primary	Polio primary	Pertussis (whooping cough) primary	Haemophilus Influenzae b (Hib) primary	Meningococcal group C (MenC) primary	Measles Mumps Rubella (MMR) 1st dose	Hib/MenC booster	Pneumococcal Disease (PCV) booster
2002-03	.	93.7	93.6	93.4	93.1	93.3	92.0	81.8	.	.
2003-04	.	93.7	93.7	93.7	93.3	93.4	92.7	79.9	.	.
2004-05	.	93.5	93.5	93.4	93.1	93.3	92.8	80.9	.	.
2005-06 <sup>(1)</sup>	.	94.0	93.9	93.9	93.7	93.7	93.3	84.1	.	.
2006-07 <sup>(2)</sup>	93.4	.	.	.	.	.	93.3	85.2	.	.
2007-08 <sup>(3)</sup>	93.6	.	.	.	.	.	93.2	84.6	.	.
2008-09 <sup>(4)</sup>	93.9	.	.	.	.	.	91.9	84.9	85.4	81.5
2009-10 <sup>(5)</sup>	95.3	.	.	.	.	.	94.2	88.2	90.0	87.6
2010-11 <sup>(6)</sup>	96.0	.	.	.	.	.	94.8	89.1	91.6	89.3
2011-12 <sup>(7)</sup>	96.1	.	.	.	.	.	94.9	91.2	92.3	91.5
2012-13 <sup>(8)</sup>	96.3	.	.	.	.	.	95.1	92.3	92.7	92.5

<sup>(1)</sup> In 2005-06, 9 PCTs were unable to submit data due to problems relating to the implementation of a new child health system.

<sup>(2)</sup> In 2006-07, 7 PCTs were unable to provide reliable annual data due to ongoing problems relating to the implementation of a new child health system.

<sup>(3)</sup> In 2007-08, 6 PCTs did not provide any data, and a further 7 had some missing data for 5 year cohort due to ongoing problems relating to the implementation of a new child health system. 1 PCT was unable to provide data due to a major problem with the child health computer system.

<sup>(4)</sup> In 2008-09, 18 Trusts reported data quality issues. 13 of these were directly attributable to the introduction of new child health systems. One PCT submitted partial datasets due to the unavailability of data from certain parts of the PCT and a further 3 PCTs submitted data based upon quarterly data due to problems reporting an annual figure.

<sup>(5)</sup> In 2009-10, 4 PCTs reported data quality issues associated with child health information systems.

<sup>(6)</sup> In 2010-11, 10 PCTs identified data quality issues, six of which were associated with the implementation of child health information systems. In addition, three PCTs reported only partial data for their area and a further one reported figures that were estimates.

<sup>(7)</sup> In 2011-12, 4 PCTs identified data quality issues.

<sup>(8)</sup> In 2012-13, 4 PCTs identified data quality issues.

Source: COVER

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# NHS Immunisation Statistics, England 2012-13

Table 3: Completed primary courses and boosters: percentage of children immunised by their fifth birthday, 2002-03 to 2012-13

England									percentages
Year of 5th birthday	Diphtheria Tetanus Polio <i>primary</i> <sup>(1)</sup>	Diphtheria Tetanus Polio <i>booster</i>	Diphtheria Tetanus Polio Pertussis <i>booster</i>	Pertussis (whooping cough) <i>primary</i>	Haemophilus Influenzae b (Hib) <i>primary</i> <sup>(1)</sup>	MMR <i>1st dose</i>	MMR <i>1st and 2nd dose</i>	Hib/MenC <i>booster</i>	
2002-03	93.8	80.1	.	92.8	93.0	90.4	74.9	.	
2003-04	93.6	80.3	.	92.8	92.9	90.2	74.9	.	
2004-05	93.3	78.9	.	92.6	92.7	88.6	73.3	.	
2005-06 <sup>(2)</sup>	93.8	80.0	.	93.2	93.2	87.3	73.6	.	
2006-07 <sup>(3)</sup>	93.3	.	79.3	92.9	92.5	85.9	72.8	.	
2007-08 <sup>(4)</sup>	92.6	.	78.6	.	92.2	87.0	74.6	.	
2008-09 <sup>(5)(6)</sup>	92.5	.	80.1	.	90.9	88.9	78.0	.	
2009-10 <sup>(7)</sup>	94.0	.	84.8	.	93.1	91.0	82.7	.	
2010-11 <sup>(8)</sup>	94.7	.	85.9	.	94.2	91.9	84.2	.	
2011-12 <sup>(9)(10)</sup>	95.4	.	87.4	.	94.9	92.9	86.0	88.9	
2012-13 <sup>(11)</sup>	95.8	.	88.9	.	95.4	93.9	87.7	91.5	

<sup>(1)</sup> Children reaching their 5th birthday from the 2010-11 collection year onwards would have routinely been offered protection against diphtheria, tetanus, pertussis, polio and Hib (Haemophilus influenzae type b) with DTaP/IPV/Hib vaccine, also known as '5 in 1' vaccine.

<sup>(2)</sup> In 2005-06, 9 PCTs were unable to submit data due to problems relating to the implementation of a new child health system.

<sup>(3)</sup> In 2006-07, 7 PCTs were unable to provide reliable annual data due to ongoing problems relating to the implementation of a new child health system.

<sup>(4)</sup> In 2007-08, 6 PCTs did not provide any data, and a further 7 had some missing data for 5 year cohort due to ongoing problems relating to the implementation of a new child health system. 1 PCT was unable to provide data due to a major problem with the child health computer system.

<sup>(5)</sup> In 2008-09, 2 Trusts in London were not able to provide Hib figures for the 5-year cohort.

<sup>(6)</sup> In 2008-09, 18 Trusts reported data quality issues. 13 of these were directly attributable to the introduction of new child health systems. One PCT submitted partial datasets due to the unavailability of data from certain parts of the PCT and a further 3 PCTs submitted data based upon quarterly data due to problems reporting an annual figure.

<sup>(7)</sup> In 2009-10, 4 PCTs reported data quality issues associated with child health information systems.

<sup>(8)</sup> In 2010-11, 10 PCTs identified data quality issues, six of which were associated with the implementation of child health information systems. In addition, three PCTs reported only partial data for their area and a further one reported figures that were estimates.

<sup>(9)</sup> In 2011-12, 4 PCTs identified data quality issues.

<sup>(10)</sup> In 2011-12, coverage statistics for the Hib/MenC booster at 5 years were made available for the first time and reported as experimental statistics. National coverage for 2011-12 excluded one PCT due to data quality issues.

<sup>(11)</sup> In 2012-13, 4 PCTs identified data quality issues.

Source: COVER

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# NHS Immunisation Statistics, England 2012-13

Table 4: Completed primary courses: percentage of children immunised by their second birthday, by Strategic Health Authority, 2002-03 to 2012-13

Year of 2nd birthday	percentages										
	SHA Code England	Q30 North East	Q31 North West	Q32 Yorkshire and the Humber	Q33 East Midlands	Q34 West Midlands	Q35 East of England	Q36 London (2)(3)(4)	Q37 South East Coast	Q38 South Central	Q39 South West (4)
<b>Diphtheria, Tetanus and Polio (1)</b>											
2002-03	93.7	94.7	94.6	94.3	96.4	94.5	95.2	88.5	95.5	91.6	95.7
2003-04	93.7	95.3	94.8	94.0	96.0	94.8	94.8	88.0	94.4	94.3	96.0
2004-05	93.5	95.1	94.8	93.5	96.3	95.3	94.8	87.3	93.8	94.8	94.8
2005-06(2)	94.0	94.9	95.2	93.6	95.9	95.1	94.6	88.3	93.6	94.4	95.6
<b>Pertussis (whooping cough)</b>											
2002-03	93.1	94.1	93.9	93.8	96.0	93.9	94.6	88.1	94.9	91.2	95.1
2003-04	93.3	94.8	94.2	93.7	95.7	94.4	94.3	87.8	93.9	94.0	95.5
2004-05	93.1	94.8	94.3	93.2	96.1	94.8	94.4	87.1	93.5	94.4	94.3
2005-06 (2)	93.7	94.6	94.9	93.3	95.7	94.8	94.4	88.1	93.4	93.9	95.3
<b>Diphtheria, Tetanus, Polio, Pertussis (whooping cough) and Hib</b>											
2006-07 (3)	93.4	95.5	95.4	93.4	94.7	95.3	95.0	86.2	91.4	94.9	95.8
2007-08 (4)	93.6	95.8	95.8	93.9	95.2	96.1	95.0	85.4	92.9	94.7	96.5
2008-09 (5)	93.9	95.1	95.2	95.4	96.2	96.1	95.1	86.5	94.5	96.3	95.7
2009-10 (6)	95.3	96.9	96.6	96.3	96.6	96.8	95.8	90.8	94.8	96.7	96.6
2010-11 (7)	96.0	97.4	96.8	96.8	97.1	97.3	96.3	92.9	95.1	97.0	96.7
2011-12 (8)	96.1	97.5	97.1	97.1	97.4	96.8	96.5	93.3	95.3	96.8	97.0
2012-13 (9)	96.3	97.8	97.4	97.5	97.6	96.6	96.9	93.6	95.0	96.4	97.3
<b>MMR</b>											
2002-03	81.8	85.3	83.9	84.4	86.8	84.0	83.0	72.5	81.6	81.4	83.4
2003-04	79.9	83.5	82.8	84.1	85.5	82.2	79.7	70.0	77.4	81.6	81.1
2004-05	80.9	85.2	84.0	83.2	86.3	82.8	81.4	71.4	79.6	83.0	80.5
2005-06(2)	84.1	87.2	86.3	85.6	87.6	84.8	84.3	73.5	82.8	86.0	86.2
2006-07 (3)	85.2	88.8	87.7	87.0	87.9	87.6	85.6	74.9	84.5	88.1	87.0
2007-08 (4)	84.6	88.5	86.7	85.0	88.8	88.1	84.2	74.2	82.9	86.2	88.4
2008-09 (5)	84.9	88.1	87.2	86.6	87.7	88.4	83.9	76.3	84.6	88.2	87.4
2009-10 (6)	88.2	91.1	91.1	89.2	89.7	90.5	87.3	81.9	87.5	91.4	89.1
2010-11 (7)	89.1	91.4	91.2	90.7	90.6	91.5	88.7	83.8	88.3	91.3	89.6
2011-12 (8)	91.2	93.0	93.4	93.1	92.9	92.0	91.8	86.1	90.6	93.5	91.7
2012-13 (9)	92.3	94.1	94.9	94.2	94.0	92.7	92.8	87.1	91.5	93.7	93.5

(1) The rates for the three immunisations, diphtheria, tetanus and polio, are virtually identical as they are generally administered at the same time; for convenience the rates for diphtheria are shown in the table.

(2) In London for 2005-06, 9 out of 31 PCTs were unable to submit data due to problems relating to the implementation of a new child health system.

(3) In London for 2006-07, 7 out of 31 PCTs were unable to provide reliable annual data due to ongoing problems relating to the implementation of a new child health system.

(4) In London for 2007-08, 6 out of 31 PCTs were unable to provide reliable annual data due to ongoing problems relating to the implementation of a new child health system. 1 out of 14 PCTs in South West SHA was unable to provide data due to a major problem with the child health computer system.

(5) In 2008-09, 18 Trusts reported data quality issues. 13 of these were directly attributable to the introduction of new child health systems. One PCT submitted partial datasets due to the unavailability of data from certain parts of the PCT and a further 3 PCTs submitted data based upon quarterly data due to problems reporting an annual figure.

(6) In 2009-10, 4 PCTs reported data quality issues associated with child health information systems.

(7) In 2010-11, 10 PCTs identified data quality issues, six of which were associated with the implementation of child health information systems. In addition, three PCTs reported only partial data for their area and a further one reported figures that were estimates.

(8) In 2011-12, 4 PCTs identified data quality issues.

(9) In 2012-13, 4 PCTs identified data quality issues.

Source: COVER

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# NHS Immunisation Statistics, England 2012-13

Table 5a: Percentage of children immunised by their 1st birthday, by country of the UK, 2012-13

<i>percentages and thousands</i>				
Percentage immunised by their 1st birthday				
Number of children aged 1 (thousands) (=100%)	Diphtheria	Tetanus	Polio	Pertussis
	Hib	MenC	PCV	
	(DTaP/IPV/Hib)			
	<i>primary</i>	<i>primary</i>	<i>primary</i>	<i>primary</i>
	%	%	%	%
<b>United Kingdom</b>	<b>810.5</b>	<b>95.1</b>	<b>94.3</b>	<b>94.8</b>
England	691.0	94.7	93.9	94.4
Wales	35.4	96.5	96.1	95.9
Scotland	59.0	97.4	96.9	97.4
Northern Ireland	25.1	97.6	97.4	97.5

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Table 5b: Percentage of children immunised by their 2nd birthday, by country of the UK, 2012-13

<i>percentages and thousands</i>						
Percentage immunised by their 2nd birthday						
Number of children aged 2 (thousands) (=100%)	Diphtheria	Tetanus	Polio	Pertussis	Hib	MenC
	MMR	Hib/MenC	PCV			
	(DTaP/IPV/Hib)					
	<i>primary</i>	<i>primary</i>	<i>1st dose</i>	<i>booster</i>	<i>booster</i>	<i>booster</i>
	%	%	%	%	%	%
<b>United Kingdom</b>	<b>809.0</b>	<b>96.6</b>	<b>95.3</b>	<b>92.7</b>	<b>93.1</b>	<b>92.9</b>
England	689.4	96.3	95.1	92.3	92.7	92.5
Wales	35.3	97.7	96.6	94.6	94.4	95.2
Scotland	58.8	98.2	96.2	95.1	95.7	95.5
Northern Ireland	25.4	98.6	97.0	95.6	95.9	95.8

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Table 5c: Percentage of children immunised by their 5th birthday, by country of the UK, 2012-13

<i>percentages and thousands</i>					
Percentage immunised by their 5th birthday					
Number of children aged 5 (thousands) (=100%)	Diphtheria	Tetanus	Polio	Pertussis	Hib/MenC
	MMR	MMR	Hib/MenC		
	(DTaP/IPV)				
	<i>booster</i>	<i>1st dose</i>	<i>1st and 2nd dose</i>	<i>booster</i>	<i>booster</i>
	%	%	%	%	%
<b>United Kingdom</b>	<b>791.4</b>	<b>89.5</b>	<b>94.3</b>	<b>88.2</b>	<b>92.0</b>
England	672.4	88.9	93.9	87.7	91.5
Wales	34.8	91.3	95.8	89.6	93.8
Scotland	59.0	93.3	96.9	92.1	95.8
Northern Ireland	25.2	92.2	97.0	90.9	94.3

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# NHS Immunisation Statistics, England 2012-13

Table 6: BCG vaccinations by age, 2012-13

The KC50 data collection was suspended for the 2012-13 collection year pending a review. Data on BCG vaccinations for 2012-13 are not therefore available. See section 1.5 in NHS Immunisation Statistics, England, 2012-13 for more information: <http://www.hscic.gov.uk/searchcatalogue?q=title%3Anhs+immunisation+statistics&area=&size=10&sort=Relevance>

Table 7: Tuberculin skin tests by result and BCG vaccinations, 2002-03 to 2012-13

Following investigation of KC50 data submitted by some Trusts from 2008-09 through to 2010-11, the HSCIC is recommending that Td/IPV and BCG data reported in table 7 should be treated with some caution. See Errata note on the 2011-12 main publication web page for more information: <http://www.ic.nhs.uk/searchcatalogue?productid=9990&q=title%3Anhs+immunisation+statistics&sort=Relevance&size=10&page=1#top>

England							percentages and thousands
	Number of skin tests				Number of mantoux tests <sup>(2)</sup>	Number of vaccinations	
	Total	Found positive	Found negative	% of skin tests found negative			
2002-03	413.1	33.3	379.7	91.9	.	449.9	
2003-04	723.9	58.2	665.7	92.0	.	817.3	
2004-05	540.4	44.7	495.7	91.7	.	628.3	
-----							
2005-06	44.7	4.3	40.4	90.4	.	155.6	
2006-07	16.6	1.3	15.3	92.1	.	172.0	
-----							
2007-08	.	.	.	.	15.7	217.3	
2008-09	.	.	.	.	13.1	239.2	
2009-10	.	.	.	.	9.1	223.2	
2010-11	.	.	.	.	8.8	225.3	
2011-12 <sup>(1)</sup>	.	.	.	.	..	181.1	
2012-13 <sup>(3)</sup>	..	..	..	..	..	..	

.. Data not available

<sup>(1)</sup> In 2011-12, 4 Trusts did not submit figures for the numbers of persons aged 1 year and over receiving BCG vaccinations due to data quality or IT system issues. One Trust did not submit figures for the number of under one's receiving BCG vaccinations. These Trusts are not therefore included in the England totals.

<sup>(2)</sup> NB: The number of mantoux tests has not been reported for 2011-12 as many Trusts were unable to provide these data. Mantoux data for previous years was not subject to the same level of validation as other data collected on the KC50 and it is quite likely that some Trusts reporting 0 tests in previous years did so because they were unable to provide data. Some caution should therefore be exercised when comparing these data over time.

<sup>(3)</sup> Data are not available for 2012-13 as the KC50 data collection was suspended pending a review.

Source: KC50

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Table 8: Completed primary courses: percentage of children immunised by their first birthday against Diphtheria, 1988-89 to 2012-13

England	percentages*
Year of 1st birthday	Diphtheria <i>primary</i>
1988-89	63
1989-90	67
1990-91	81
1991-92	91
1992-93	93
1993-94	92
1994-95	92
1995-96	93
1996-97	93
1997-98	92.5
1998-99	92.0
1999-2000	92.0
2000-01	91.2
2001-02	90.7
2002-03	90.9
2003-04	90.9
2004-05	90.1
2005-06 <sup>(1)</sup>	91.4
2006-07 <sup>(2)(3)</sup>	91.1
2007-08 <sup>(2)(4)</sup>	91.3
2008-09 <sup>(2)(5)</sup>	92.0
2009-10 <sup>(2)(6)</sup>	93.6
2010-11 <sup>(2)(7)</sup>	94.2
2011-12 <sup>(2)(8)</sup>	94.7
2012-13 <sup>(2)(9)</sup>	94.7

Table 9: Completed primary courses: percentage of children immunised by their second birthday against Measles Mumps and Rubella (MMR), 1988-89 to 2012-13

England	percentages
Year of 2nd birthday	Measles Mumps Rubella (MMR) <i>1st dose</i>
1988-89	80.0
1989-90	84.0
1990-91	87.1
1991-92	89.9
1992-93	91.6
1993-94	90.8
1994-95	91.0
1995-96	91.8
1996-97	91.5
1997-98	90.8
1998-99	88.3
1999-2000	87.6
2000-01	87.4
2001-02	84.1
2002-03	81.8
2003-04	79.9
2004-05	80.9
2005-06 <sup>(1)</sup>	84.1
2006-07 <sup>(3)</sup>	85.2
2007-08 <sup>(4)</sup>	84.6
2008-09 <sup>(5)</sup>	84.9
2009-10 <sup>(6)</sup>	88.2
2010-11 <sup>(7)</sup>	89.1
2011-12 <sup>(8)</sup>	91.2
2012-13 <sup>(9)</sup>	92.3

\* Percentages to one decimal place are only available from 1997-98.

<sup>(1)</sup> In 2005-06, 9 PCTs were unable to submit data due to problems relating to the implementation of a new child health system.

<sup>(2)</sup> Figures from 2006-7 to present are for DTaP/IPV/Hib '5-in 1' vaccine which includes Diphtheria, Tetanus, Polio, Pertussis and Hib.

<sup>(3)</sup> In 2006-07, 7 PCTs were unable to submit data due to problems relating to the implementation of a new child health system.

<sup>(4)</sup> In 2007-08, 6 PCTs were unable to submit data due to problems relating to the implementation of a new child health system.

<sup>(5)</sup> In 2008-09, 18 Trusts reported data quality issues. 13 of these were directly attributable to the introduction of new child health systems. One PCT submitted partial datasets due to the unavailability of data from certain parts of the PCT and a further 3 PCTs submitted data based upon quarterly data due to problems reporting an annual figure.

<sup>(6)</sup> In 2009-10, 4 PCTs reported data quality issues associated with child health information systems.

<sup>(7)</sup> In 2010-11, 10 PCTs identified data quality issues, six of which were associated with the implementation of child health information systems. In addition, three PCTs reported only partial data for their area and a further one reported figures that were estimates.

<sup>(8)</sup> In 2011-12, 4 PCTs identified data quality issues.

<sup>(9)</sup> In 2012-13, 4 PCTs identified data quality issues

Source: COVER

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Table 10: Percentage of children immunised by their 1st birthday, by Strategic Health Authority, 2012-13

*percentages and thousands*

SHA Code	ONS <sup>(1)</sup> Code	Number of children aged 1 (thousands) (=100%)	Percentage immunised by their 1st birthday		
			Diphtheria Tetanus Polio Pertussis Hib (DTaP/IPV/Hib) <i>primary</i> %	MenC <i>primary</i> %	Pneumococcal Disease (PCV) <i>primary</i> %
<b>England</b>		<b>691.0</b>	<b>94.7</b>	<b>93.9</b>	<b>94.4</b>
Q30 North East	E18000001	30.6	96.5	96.0	96.4
Q31 North West	E18000002	87.9	95.9	95.6	95.8
Q32 Yorkshire and the Humber	E18000003	66.3	96.3	95.1	95.9
Q33 East Midlands	E18000004	55.3	96.4	94.8	96.0
Q34 West Midlands	E18000005	72.3	94.5	94.1	94.1
Q35 East of England	E18000006	74.3	96.1	95.3	95.7
Q36 London	E18000007	132.4	91.1	89.9	90.8
Q37 South East Coast	E18000008	54.0	93.7	93.1	93.2
Q38 South Central	E18000009	55.9	95.1	94.0	94.5
Q39 South West	E18000010	62.0	96.1	95.5	96.0

<sup>(1)</sup> Office of National Statistics

Source: COVER

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# NHS Immunisation Statistics, England 2012-13

Table 10a: Percentage of children immunised by their 1st birthday, by Primary Care Organisation, 2012-13

percentages and thousands

SHA & PCO Codes	ONS Code	Number of children aged 1 (thousands) (=100%)	Percentage immunised by their 1st birthday			
			Diphtheria Tetanus Polio Pertussis Hib (DTaP/IPV/Hib) primary %	MenC primary %	Pneumococcal Disease (PCV) primary %	
<b>England</b>		<b>691.0</b>	<b>94.7</b>	<b>93.9</b>	<b>94.4</b>	
<b>Q30 North East</b>	<b>E18000001</b>	<b>30.6</b>	<b>96.5</b>	<b>96.0</b>	<b>96.4</b>	
5ND	County Durham PCT	E16000085	5.9	97.4	97.1	97.3
5J9	Darlington PCT	E16000041	1.3	96.6	98.7	96.5
5KF	Gateshead PCT	E16000050	2.3	96.7	96.1	96.7
5D9	Hartlepool PCT <sup>(4)</sup>	E16000019	1.2	93.9	93.4	93.5
5KM	Middlesbrough PCT	E16000053	2.0	94.5	93.7	94.3
5D7	Newcastle PCT	E16000017	3.2	94.4	93.4	94.0
5D8	North Tyneside PCT	E16000018	2.4	98.3	98.1	98.2
TAC	Northumberland PCT	E17000001	3.2	96.3	96.0	96.1
5QR	Redcar & Cleveland PCT	E16000146	1.6	96.0	95.2	96.2
5KG	South Tyneside PCT	E16000051	1.6	99.0	98.8	99.0
5KL	Sunderland Teaching PCT	E16000052	3.2	98.2	98.0	98.2
5E1	Stockton-on-Tees Teaching PCT <sup>(5)</sup>	E16000020	2.5	95.1	92.6	94.8
<b>Q31 North West</b>	<b>E18000002</b>	<b>87.9</b>	<b>95.9</b>	<b>95.6</b>	<b>95.8</b>	
5HG	Ashton, Leigh & Wigan PCT	E16000032	3.9	97.0	97.0	97.3
TAP	Blackburn with Darwen Teaching PCT	E17000006	2.3	94.3	94.2	94.1
5HP	Blackpool PCT	E16000033	1.7	95.6	95.2	95.4
5HQ	Bolton PCT	E16000148	4.0	96.5	95.8	96.7
5JX	Bury PCT	E16000043	2.6	95.6	94.5	94.8
5NP	Central & Eastern Cheshire PCT	E16000095	5.3	96.7	97.5	97.8
5NG	Central Lancashire PCT	E16000088	5.2	93.4	93.4	93.7
5NE	Cumbria Teaching PCT	E16000086	5.1	97.2	96.5	97.3
5NH	East Lancashire Teaching PCT	E16000089	4.5	93.1	92.7	91.7
5NM	Halton & St Helens PCT	E16000093	3.8	93.5	93.8	94.1
5NQ	Heywood, Middleton & Rochdale PCT	E16000096	3.1	96.8	96.8	96.0
5J4	Knowsley PCT	E16000038	2.0	95.4	97.2	97.2
5NL	Liverpool PCT	E16000092	5.8	96.3	95.9	96.4
5NT	Manchester PCT	E16000149	7.6	95.7	94.5	95.1
5NF	North Lancashire Teaching PCT	E16000087	3.3	95.8	95.3	95.9
5J5	Oldham PCT	E16000039	3.3	97.6	97.1	97.3
5F5	Salford PCT	E16000025	3.2	98.4	96.1	96.5
5NJ	Sefton PCT	E16000090	2.8	96.0	95.5	96.1
5F7	Stockport PCT	E16000026	3.3	96.8	96.3	96.4
5LH	Tameside & Glossop PCT	E16000062	3.2	95.7	95.6	95.7
5NR	Trafford PCT	E16000097	3.0	97.0	96.3	96.5
5J2	Warrington PCT	E16000037	2.5	96.9	96.1	96.8
5NN	Western Cheshire PCT	E16000094	2.7	96.5	97.2	97.2
5NK	Wirral PCT	E16000091	3.9	96.0	95.8	95.5
<b>Q32 Yorkshire &amp; the Humber</b>	<b>E18000003</b>	<b>66.3</b>	<b>96.3</b>	<b>95.1</b>	<b>95.9</b>	
5JE	Barnsley PCT	E16000042	3.2	96.5	96.1	96.4
5NY	Bradford & Airedale Teaching PCT	E16000102	7.9	96.0	95.9	95.8
5J6	Calderdale PCT	E16000040	2.6	95.8	94.3	94.9
5N5	Doncaster PCT	E16000078	3.8	95.4	95.0	95.2
5NW	East Riding of Yorkshire PCT	E16000100	2.9	97.0	96.1	96.8

# NHS Immunisation Statistics, England 2012-13

Table 10a: Percentage of children immunised by their 1st birthday, by Primary Care Organisation, 2012-13

percentages and thousands

SHA & PCO Codes	ONS Code	Number of children aged 1 (thousands) (=100%)	Percentage immunised by their 1st birthday		
			Diphtheria Tetanus Polio Pertussis Hib (DTaP/IPV/Hib) primary %	MenC primary %	Pneumococcal Disease (PCV) primary %
<b>England</b>		<b>691.0</b>	<b>94.7</b>	<b>93.9</b>	<b>94.4</b>
5NX Hull Teaching PCT	E16000101	4.0	96.1	95.1	95.6
5N2 Kirklees PCT	E16000075	5.6	96.9	95.9	96.4
5N1 Leeds PCT	E16000074	10.3	96.8	95.1	96.3
TAN North East Lincolnshire PCT	E17000005	2.1	97.2	96.6	97.2
5EF North Lincolnshire PCT	E16000021	1.9	96.8	96.1	96.7
5NV North Yorkshire & York PCT	E16000099	7.8	96.3	95.2	96.2
5H8 Rotherham PCT	E16000031	3.1	96.4	95.8	96.0
5N4 Sheffield PCT	E16000077	6.8	94.5	90.4	93.8
5N3 Wakefield District PCT	E16000076	4.2	97.1	96.7	96.7
<b>Q33 East Midlands</b>	<b>E18000004</b>	<b>55.3</b>	<b>96.4</b>	<b>94.8</b>	<b>96.0</b>
5ET Bassetlaw PCT	E16000023	1.2	96.0	94.5	95.6
5N7 Derby City PCT	E16000080	4.1	94.9	89.5	94.6
5N6 Derbyshire County PCT	E16000079	7.7	97.4	95.5	97.1
5PC Leicester City PCT	E16000113	5.3	97.3	96.0	96.5
5PA Leicestershire County & Rutland PCT	E16000112	7.4	97.9	97.3	97.7
5N9 Lincolnshire Teaching PCT	E16000082	8.2	95.5	94.3	95.1
5PD Northamptonshire Teaching PCT	E16000114	9.1	97.0	96.5	96.7
5EM Nottingham City PCT	E16000022	4.4	93.4	92.4	92.8
5N8 Nottinghamshire County Teaching PCT	E16000081	7.7	96.3	93.6	95.9
<b>Q34 West Midlands</b>	<b>E18000005</b>	<b>72.3</b>	<b>94.5</b>	<b>94.1</b>	<b>94.1</b>
5PG Birmingham East & North PCT	E16000117	6.7	88.9	88.4	88.3
5MD Coventry Teaching PCT	E16000070	4.6	96.7	95.7	96.2
5PE Dudley PCT	E16000115	3.7	97.4	97.1	97.5
5MX Heart of Birmingham Teaching PCT	E16000073	5.5	87.0	86.5	86.5
5CN Herefordshire PCT	E16000015	1.9	94.4	94.1	94.3
5PH North Staffordshire PCT	E16000118	2.2	97.9	98.4	98.0
5PF Sandwell PCT	E16000116	4.8	93.6	92.6	93.1
5M2 Shropshire County PCT	E16000065	2.9	98.2	97.5	97.9
5QW Solihull PCT	E16000151	2.7	95.8	95.3	95.7
5M1 South Birmingham PCT	E16000064	5.2	89.6	89.0	89.1
5PK South Staffordshire PCT	E16000120	6.9	96.6	96.2	96.4
5PJ Stoke-on-Trent PCT	E16000119	3.8	95.8	97.0	95.9
5MK Telford & Wrekin PCT	E16000071	2.3	97.9	97.2	97.3
5M3 Walsall Teaching PCT	E16000066	3.4	97.6	97.4	97.4
5PM Warwickshire PCT	E16000122	5.9	97.7	97.2	97.4
5MV Wolverhampton City PCT	E16000072	3.5	94.7	94.2	94.4
5PL Worcestershire PCT	E16000121	6.2	95.6	95.1	95.1
<b>Q35 East of England</b>	<b>E18000006</b>	<b>74.3</b>	<b>96.1</b>	<b>95.3</b>	<b>95.7</b>
5P2 Bedfordshire PCT	E16000104	5.6	97.1	96.3	96.9
5PP Cambridgeshire PCT	E16000124	7.8	94.1	92.9	93.9
5PR Great Yarmouth & Waveney PCT	E16000126	2.5	95.2	94.9	94.9
5QV Hertfordshire PCT	E16000150	15.5	96.3	95.7	96.0
5GC Luton PCT	E16000029	3.6	94.8	93.3	94.2

# NHS Immunisation Statistics, England 2012-13

Table 10a: Percentage of children immunised by their 1st birthday, by Primary Care Organisation, 2012-13

percentages and thousands

SHA & PCO Codes	ONS Code	Number of children aged 1 (thousands) (=100%)	Percentage immunised by their 1st birthday		
			Diphtheria Tetanus Polio Pertussis Hib (DTaP/IPV/Hib) <i>primary %</i>	MenC <i>primary %</i>	Pneumococcal Disease (PCV) <i>primary %</i>
<b>England</b>		<b>691.0</b>	<b>94.7</b>	<b>93.9</b>	<b>94.4</b>
5PX Mid Essex PCT	E16000130	4.3	97.5	97.1	97.2
5PQ Norfolk PCT	E16000125	8.0	96.7	96.1	96.2
5PW North East Essex PCT	E16000129	3.8	94.9	94.2	94.7
5PN Peterborough PCT	E16000123	3.0	95.5	93.6	94.8
5P1 South East Essex PCT	E16000103	3.9	96.6	95.5	96.3
5PY South West Essex PCT	E16000131	5.7	96.2	95.2	95.7
5PT Suffolk PCT	E16000127	7.0	96.9	96.2	96.4
5PV West Essex PCT	E16000128	3.7	96.0	95.6	95.9
<b>Q36 London</b>	<b>E18000007</b>	<b>132.4</b>	<b>91.1</b>	<b>89.9</b>	<b>90.8</b>
5C2 Barking & Dagenham PCT	E16000009	3.9	92.1	90.7	90.9
5A9 Barnet PCT <sup>(1)</sup>	E16000006	5.8	91.8	91.4	92.3
TAK Bexley PCT	E17000002	3.2	95.1	94.9	95.0
5K5 Brent Teaching PCT	E16000045	4.9	95.7	95.0	95.5
5A7 Bromley PCT	E16000004	4.4	95.0	94.9	94.5
5K7 Camden PCT	E16000047	2.9	90.8	89.1	90.2
5C3 City & Hackney Teaching PCT	E16000010	4.4	86.4	85.3	85.8
5K9 Croydon PCT	E16000049	5.8	91.1	90.0	90.0
5HX Ealing PCT	E16000035	6.1	95.3	93.5	94.1
5C1 Enfield PCT	E16000008	4.8	86.3	85.5	85.9
5A8 Greenwich Teaching PCT	E16000005	4.7	90.9	90.3	93.7
5H1 Hammersmith & Fulham PCT	E16000030	2.5	89.8	88.9	89.5
5C9 Haringey Teaching PCT	E16000013	3.9	93.8	91.9	93.1
5K6 Harrow PCT	E16000046	3.2	95.5	95.0	95.9
5A4 Havering PCT	E16000002	3.2	92.9	92.0	92.6
5AT Hillingdon PCT	E16000007	4.3	94.8	93.2	94.3
5HY Hounslow PCT	E16000036	4.6	92.2	86.7	91.6
5K8 Islington PCT	E16000048	2.7	96.1	95.3	95.5
5LA Kensington & Chelsea PCT	E16000056	2.3	82.8	80.6	83.7
5A5 Kingston PCT	E16000003	2.6	94.0	92.8	93.6
5LD Lambeth PCT	E16000058	4.7	92.5	91.4	91.9
5LF Lewisham PCT	E16000060	4.7	86.4	86.0	87.8
5C5 Newham PCT	E16000012	6.5	86.4	85.7	85.8
5NA Redbridge PCT	E16000083	4.6	93.6	91.5	92.5
5M6 Richmond & Twickenham PCT	E16000067	3.1	93.9	92.0	93.1
5LE Southwark PCT	E16000059	4.6	91.1	90.3	90.6
5M7 Sutton & Merton PCT <sup>(2)</sup>	E16000068	6.1	82.6	83.6	83.2
5C4 Tower Hamlets PCT	E16000011	4.5	96.8	95.5	96.0
5NC Waltham Forest PCT	E16000084	5.0	89.6	88.8	88.9
5LG Wandsworth PCT <sup>(3)</sup>	E16000061	5.5	92.2	91.1	91.9
5LC Westminster PCT	E16000057	3.0	79.0	75.9	78.7
<b>Q37 South East Coast</b>	<b>E18000008</b>	<b>54.0</b>	<b>93.7</b>	<b>93.1</b>	<b>93.2</b>
5LQ Brighton & Hove City PCT	E16000063	3.2	93.8	93.0	93.0
5P7 East Sussex Downs & Weald PCT	E16000109	3.5	95.3	94.6	94.3
5QA Eastern & Coastal Kent PCT	E16000132	8.9	95.6	95.2	95.4
5P8 Hastings & Rother PCT	E16000110	1.8	94.3	93.9	93.9

# NHS Immunisation Statistics, England 2012-13

Table 10a: Percentage of children immunised by their 1st birthday, by Primary Care Organisation, 2012-13

percentages and thousands

SHA & PCO Codes	ONS Code	Number of children aged 1 (thousands) (=100%)	Percentage immunised by their 1st birthday		
			Diphtheria Tetanus Polio Pertussis Hib (DTaP/IPV/Hib) primary %	MenC primary %	Pneumococcal Disease (PCV) primary %
<b>England</b>		<b>691.0</b>	<b>94.7</b>	<b>93.9</b>	<b>94.4</b>
5L3 Medway PCT	E16000055	3.6	96.8	96.5	96.4
5P5 Surrey PCT	E16000107	15.0	87.8	87.1	87.2
5P9 West Kent PCT	E16000111	8.6	97.7	97.1	97.5
5P6 West Sussex PCT	E16000108	9.4	95.8	95.1	95.1
<b>Q38 South Central</b>	<b>E18000009</b>	<b>55.9</b>	<b>95.1</b>	<b>94.0</b>	<b>94.5</b>
5QG Berkshire East PCT	E16000137	6.3	93.1	92.3	92.7
5QF Berkshire West PCT	E16000136	6.8	94.2	92.9	93.5
5QD Buckinghamshire PCT	E16000134	6.8	96.6	95.7	96.2
5QC Hampshire PCT	E16000133	15.8	95.1	94.6	94.9
5QT Isle of Wight NHS PCT	E16000147	1.4	91.9	94.8	94.5
5CQ Milton Keynes PCT	E16000016	4.1	94.9	93.7	94.5
5QE Oxfordshire PCT	E16000135	8.3	96.9	93.8	94.3
5FE Portsmouth City Teaching PCT	E16000027	2.8	94.1	93.6	94.2
5L1 Southampton City PCT	E16000054	3.6	95.3	94.3	94.9
<b>Q39 South West</b>	<b>E18000010</b>	<b>62.0</b>	<b>96.1</b>	<b>95.5</b>	<b>96.0</b>
5FL Bath & North East Somerset PCT	E16000028	2.0	95.9	95.4	95.7
5QN Bournemouth & Poole Teaching PCT	E16000143	4.4	94.9	93.9	94.4
5QJ Bristol PCT	E16000139	6.7	96.4	95.4	95.8
5QP Cornwall & Isles of Scilly PCT	E16000144	5.9	94.9	94.4	94.9
5QQ Devon PCT	E16000145	7.6	95.9	95.3	95.8
5QM Dorset PCT	E16000142	3.6	97.2	96.8	97.2
5QH Gloucestershire PCT	E16000138	6.6	96.9	96.6	96.9
5M8 North Somerset PCT	E16000069	2.4	97.3	97.1	97.4
5F1 Plymouth Teaching PCT	E16000024	3.4	96.8	96.3	96.3
5QL Somerset PCT	E16000141	5.9	93.8	93.5	94.5
5A3 South Gloucestershire PCT	E16000001	3.2	97.9	96.6	97.5
5K3 Swindon PCT	E16000044	3.2	96.8	95.1	95.9
TAL Torbay PCT	E17000003	1.5	97.3	96.8	97.0
5QK Wiltshire PCT	E16000140	5.7	96.6	96.4	96.6

(1) Barnet PCT has reported some missing GP practice data which may have impacted on the percentage of children immunised in 2012-13.

(2) Due to possible exclusion of data from the 2012-13 COVER submission for Sutton and Merton PCT, the percentage of children immunised may be higher than reported.

(3) Wandsworth PCT has reported some missing GP practice data resulting in lower coverage figures for 2012-13.

(4) Hartlepool PCT was unable to submit a complete data set for a small number of GP practices in 2012-13. The impact of this missing data is expected to be minimal.

(5) Stockton-on-Tees Teaching PCT was unable to submit a complete data set for a small number of GP practices in 2012-13. The impact of this missing data is expected to be minimal.

Source: COVER

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# NHS Immunisation Statistics, England 2012-13

Table 10b: Number of children immunised by their 1st birthday, by Primary Care Organisation, 2012-13

		numbers				
		Number immunised by their 1st birthday				
SHA & PCO Codes	ONS Code	Number of children aged 1	Diphtheria Tetanus Polio Pertussis Hib (DTaP/IPV/Hib)	Pneumococcal Disease (PCV)		
			<i>primary</i>	<i>primary</i>	<i>primary</i>	
<b>England</b>		<b>691,046</b>	<b>654,701</b>	<b>648,823</b>	<b>652,551</b>	
<b>Q30</b>	<b>North East</b>	<b>E18000001</b>	<b>30,646</b>	<b>29,585</b>	<b>29,429</b>	<b>29,542</b>
5ND	County Durham PCT	E16000085	5,929	5,777	5,759	5,767
5J9	Darlington PCT	E16000041	1,281	1,238	1,264	1,236
5KF	Gateshead PCT	E16000050	2,323	2,246	2,233	2,247
5D9	Hartlepool PCT <sup>(4)</sup>	E16000019	1,176	1,104	1,098	1,099
5KM	Middlesbrough PCT	E16000053	2,047	1,935	1,918	1,931
5D7	Newcastle PCT	E16000017	3,243	3,060	3,028	3,050
5D8	North Tyneside PCT	E16000018	2,437	2,395	2,391	2,394
TAC	Northumberland PCT	E17000001	3,230	3,110	3,102	3,105
5QR	Redcar & Cleveland PCT	E16000146	1,639	1,574	1,560	1,576
5KG	South Tyneside PCT	E16000051	1,647	1,631	1,627	1,630
5KL	Sunderland Teaching PCT	E16000052	3,233	3,175	3,169	3,174
5E1	Stockton-on-Tees Teaching PCT <sup>(5)</sup>	E16000020	2,461	2,340	2,280	2,333
<b>Q31</b>	<b>North West</b>	<b>E18000002</b>	<b>87,895</b>	<b>84,334</b>	<b>84,020</b>	<b>84,237</b>
5HG	Ashton, Leigh & Wigan PCT	E16000032	3,875	3,759	3,757	3,772
TAP	Blackburn with Darwen Teaching PCT	E17000006	2,259	2,130	2,127	2,126
5HP	Blackpool PCT	E16000033	1,736	1,659	1,653	1,657
5HQ	Bolton PCT	E16000148	4,007	3,868	3,840	3,875
5JX	Bury PCT	E16000043	2,556	2,444	2,415	2,424
5NP	Central & Eastern Cheshire PCT	E16000095	5,261	5,090	5,130	5,147
5NG	Central Lancashire PCT	E16000088	5,242	4,898	4,898	4,912
5NE	Cumbria Teaching PCT	E16000086	5,059	4,916	4,881	4,923
5NH	East Lancashire Teaching PCT	E16000089	4,503	4,191	4,175	4,128
5NM	Halton & St Helens PCT	E16000093	3,818	3,571	3,581	3,593
5NQ	Heywood, Middleton & Rochdale PCT	E16000096	3,096	2,997	2,997	2,973
5J4	Knowsley PCT	E16000038	1,987	1,896	1,932	1,931
5NL	Liverpool PCT	E16000092	5,797	5,580	5,560	5,587
5NT	Manchester PCT	E16000149	7,605	7,279	7,188	7,229
5NF	North Lancashire Teaching PCT	E16000087	3,257	3,119	3,104	3,122
5J5	Oldham PCT	E16000039	3,329	3,250	3,234	3,238
5F5	Salford PCT	E16000025	3,211	3,161	3,085	3,100
5NJ	Sefton PCT	E16000090	2,796	2,685	2,670	2,687
5F7	Stockport PCT	E16000026	3,292	3,186	3,171	3,174
5LH	Tameside & Glossop PCT	E16000062	3,152	3,015	3,012	3,017
5NR	Trafford PCT	E16000097	3,045	2,954	2,932	2,937
5J2	Warrington PCT	E16000037	2,475	2,399	2,379	2,396
5NN	Western Cheshire PCT	E16000094	2,657	2,564	2,582	2,583
5NK	Wirral PCT	E16000091	3,880	3,723	3,717	3,706
<b>Q32</b>	<b>Yorkshire &amp; the Humber</b>	<b>E18000003</b>	<b>66,259</b>	<b>63,781</b>	<b>62,989</b>	<b>63,536</b>
5JE	Barnsley PCT	E16000042	3,152	3,041	3,029	3,038
5NY	Bradford & Airedale Teaching PCT	E16000102	7,884	7,570	7,561	7,549
5J6	Calderdale PCT	E16000040	2,596	2,486	2,448	2,463
5N5	Doncaster PCT	E16000078	3,822	3,646	3,629	3,640
5NW	East Riding of Yorkshire PCT	E16000100	2,927	2,839	2,814	2,833

# NHS Immunisation Statistics, England 2012-13

Table 10b: Number of children immunised by their 1st birthday, by Primary Care Organisation, 2012-13

		numbers				
		Number immunised by their 1st birthday				
SHA & PCO Codes	ONS Code	Number of children aged 1	Diphtheria Tetanus Polio Pertussis Hib (DTaP/IPV/Hib)	MenC	Pneumococcal Disease (PCV)	
			<i>primary</i>	<i>primary</i>	<i>primary</i>	
<b>England</b>		<b>691,046</b>	<b>654,701</b>	<b>648,823</b>	<b>652,551</b>	
5NX	Hull Teaching PCT	E16000101	3,962	3,807	3,767	3,789
5N2	Kirklees PCT	E16000075	5,645	5,472	5,416	5,441
5N1	Leeds PCT	E16000074	10,341	10,005	9,833	9,955
TAN	North East Lincolnshire PCT	E17000005	2,115	2,056	2,044	2,056
5EF	North Lincolnshire PCT	E16000021	1,863	1,803	1,791	1,801
5NV	North Yorkshire & York PCT	E16000099	7,847	7,560	7,468	7,552
5H8	Rotherham PCT	E16000031	3,097	2,984	2,968	2,973
5N4	Sheffield PCT	E16000077	6,784	6,412	6,135	6,360
5N3	Wakefield District PCT	E16000076	4,224	4,100	4,086	4,086
<b>Q33</b>	<b>East Midlands</b>	<b>E18000004</b>	<b>55,282</b>	<b>53,294</b>	<b>52,402</b>	<b>53,082</b>
5ET	Bassetlaw PCT	E16000023	1,231	1,182	1,163	1,177
5N7	Derby City PCT	E16000080	4,096	3,886	3,664	3,874
5N6	Derbyshire County PCT	E16000079	7,712	7,508	7,364	7,488
5PC	Leicester City PCT	E16000113	5,272	5,129	5,060	5,087
5PA	Leicestershire County & Rutland PCT	E16000112	7,428	7,269	7,229	7,254
5N9	Lincolnshire Teaching PCT	E16000082	8,246	7,873	7,775	7,845
5PD	Northamptonshire Teaching PCT	E16000114	9,114	8,842	8,794	8,814
5EM	Nottingham City PCT	E16000022	4,444	4,150	4,107	4,122
5N8	Nottinghamshire County Teaching PCT	E16000081	7,739	7,455	7,246	7,421
<b>Q34</b>	<b>West Midlands</b>	<b>E18000005</b>	<b>72,341</b>	<b>68,344</b>	<b>68,039</b>	<b>68,104</b>
5PG	Birmingham East & North PCT	E16000117	6,749	6,001	5,966	5,962
5MD	Coventry Teaching PCT	E16000070	4,555	4,404	4,357	4,380
5PE	Dudley PCT	E16000115	3,738	3,640	3,629	3,645
5MX	Heart of Birmingham Teaching PCT	E16000073	5,464	4,756	4,725	4,725
5CN	Herefordshire PCT	E16000015	1,888	1,782	1,777	1,780
5PH	North Staffordshire PCT	E16000118	2,248	2,201	2,213	2,204
5PF	Sandwell PCT	E16000116	4,824	4,513	4,468	4,489
5M2	Shropshire County PCT	E16000065	2,877	2,826	2,806	2,816
5QW	Solihull PCT	E16000151	2,742	2,628	2,613	2,623
5M1	South Birmingham PCT	E16000064	5,166	4,628	4,597	4,605
5PK	South Staffordshire PCT	E16000120	6,870	6,633	6,612	6,621
5PJ	Stoke-on-Trent PCT	E16000119	3,809	3,650	3,695	3,652
5MK	Telford & Wrekin PCT	E16000071	2,334	2,286	2,269	2,271
5M3	Walsall Teaching PCT	E16000066	3,419	3,337	3,329	3,329
5PM	Warwickshire PCT	E16000122	5,878	5,745	5,714	5,725
5MV	Wolverhampton City PCT	E16000072	3,541	3,352	3,336	3,344
5PL	Worcestershire PCT	E16000121	6,239	5,962	5,933	5,933
<b>Q35</b>	<b>East of England</b>	<b>E18000006</b>	<b>74,295</b>	<b>71,388</b>	<b>70,771</b>	<b>71,121</b>
5P2	Bedfordshire PCT	E16000104	5,642	5,481	5,432	5,465
5PP	Cambridgeshire PCT	E16000124	7,750	7,292	7,196	7,274
5PR	Great Yarmouth & Waveney PCT	E16000126	2,471	2,352	2,344	2,344
5QV	Hertfordshire PCT	E16000150	15,538	14,968	14,873	14,923
5GC	Luton PCT	E16000029	3,561	3,376	3,324	3,353

# NHS Immunisation Statistics, England 2012-13

Table 10b: Number of children immunised by their 1st birthday, by Primary Care Organisation, 2012-13

		numbers				
		Number immunised by their 1st birthday				
SHA & PCO Codes	ONS Code	Number of children aged 1	Diphtheria Tetanus Polio Pertussis Hib (DTaP/IPV/Hib)	MenC	Pneumococcal Disease (PCV)	
			<i>primary</i>	<i>primary</i>	<i>primary</i>	
<b>England</b>		<b>691,046</b>	<b>654,701</b>	<b>648,823</b>	<b>652,551</b>	
5PX	Mid Essex PCT	E16000130	4,294	4,187	4,168	4,174
5PQ	Norfolk PCT	E16000125	8,049	7,780	7,733	7,741
5PW	North East Essex PCT	E16000129	3,761	3,570	3,542	3,563
5PN	Peterborough PCT	E16000123	2,985	2,851	2,793	2,831
5P1	South East Essex PCT	E16000103	3,872	3,740	3,697	3,729
5PY	South West Essex PCT	E16000131	5,659	5,445	5,388	5,417
5PT	Suffolk PCT	E16000127	6,969	6,750	6,703	6,717
5PV	West Essex PCT	E16000128	3,744	3,596	3,578	3,590
<b>Q36</b>	<b>London</b>	<b>E18000007</b>	<b>132,364</b>	<b>120,579</b>	<b>119,046</b>	<b>120,221</b>
5C2	Barking & Dagenham PCT	E16000009	3,852	3,548	3,492	3,502
5A9	Barnet PCT <sup>(1)</sup>	E16000006	5,786	5,309	5,286	5,340
TAK	Bexley PCT	E17000002	3,196	3,038	3,034	3,035
5K5	Brent Teaching PCT	E16000045	4,880	4,672	4,634	4,662
5A7	Bromley PCT	E16000004	4,392	4,173	4,168	4,151
5K7	Camden PCT	E16000047	2,877	2,611	2,562	2,594
5C3	City & Hackney Teaching PCT	E16000010	4,357	3,764	3,716	3,737
5K9	Croydon PCT	E16000049	5,790	5,277	5,209	5,212
5HX	Ealing PCT	E16000035	6,124	5,835	5,724	5,761
5C1	Enfield PCT	E16000008	4,825	4,165	4,124	4,143
5A8	Greenwich Teaching PCT	E16000005	4,690	4,261	4,237	4,393
5H1	Hammersmith & Fulham PCT	E16000030	2,503	2,247	2,224	2,241
5C9	Haringey Teaching PCT	E16000013	3,878	3,639	3,565	3,612
5K6	Harrow PCT	E16000046	3,227	3,081	3,066	3,095
5A4	Havering PCT	E16000002	3,157	2,934	2,905	2,922
5AT	Hillingdon PCT	E16000007	4,250	4,028	3,962	4,008
5HY	Hounslow PCT	E16000036	4,642	4,282	4,025	4,250
5K8	Islington PCT	E16000048	2,719	2,612	2,590	2,598
5LA	Kensington & Chelsea PCT	E16000056	2,269	1,878	1,828	1,900
5A5	Kingston PCT	E16000003	2,640	2,481	2,449	2,472
5LD	Lambeth PCT	E16000058	4,703	4,348	4,298	4,324
5LF	Lewisham PCT	E16000060	4,737	4,091	4,072	4,160
5C5	Newham PCT	E16000012	6,530	5,642	5,594	5,603
5NA	Redbridge PCT	E16000083	4,589	4,294	4,197	4,245
5M6	Richmond & Twickenham PCT	E16000067	3,065	2,878	2,819	2,852
5LE	Southwark PCT	E16000059	4,629	4,215	4,179	4,195
5M7	Sutton & Merton PCT <sup>(2)</sup>	E16000068	6,095	5,033	5,097	5,071
5C4	Tower Hamlets PCT	E16000011	4,451	4,308	4,250	4,271
5NC	Waltham Forest PCT	E16000084	5,003	4,485	4,442	4,447
5LG	Wandsworth PCT <sup>(3)</sup>	E16000061	5,513	5,085	5,025	5,067
5LC	Westminster PCT	E16000057	2,995	2,365	2,273	2,358
<b>Q37</b>	<b>South East Coast</b>	<b>E18000008</b>	<b>54,018</b>	<b>50,610</b>	<b>50,303</b>	<b>50,343</b>
5LQ	Brighton & Hove City PCT	E16000063	3,186	2,989	2,964	2,964
5P7	East Sussex Downs & Weald PCT	E16000109	3,487	3,322	3,300	3,288
5QA	Eastern & Coastal Kent PCT	E16000132	8,896	8,503	8,470	8,487
5P8	Hastings & Rother PCT	E16000110	1,849	1,743	1,736	1,737

# NHS Immunisation Statistics, England 2012-13

Table 10b: Number of children immunised by their 1st birthday, by Primary Care Organisation, 2012-13

		numbers				
		Number immunised by their 1st birthday				
SHA & PCO Codes	ONS Code	Number of children aged 1	Diphtheria Tetanus Polio Pertussis Hib (DTaP/IPV/Hib)	MenC	Pneumococcal Disease (PCV)	
			<i>primary</i>	<i>primary</i>	<i>primary</i>	
<b>England</b>		<b>691,046</b>	<b>654,701</b>	<b>648,823</b>	<b>652,551</b>	
5L3	Medway PCT	E16000055	3,626	3,511	3,499	3,496
5P5	Surrey PCT	E16000107	15,035	13,194	13,099	13,105
5P9	West Kent PCT	E16000111	8,571	8,375	8,322	8,358
5P6	West Sussex PCT	E16000108	9,368	8,973	8,913	8,908
<b>Q38</b>	<b>South Central</b>	<b>E18000009</b>	<b>55,929</b>	<b>53,177</b>	<b>52,597</b>	<b>52,850</b>
5QG	Berkshire East PCT	E16000137	6,274	5,840	5,792	5,816
5QF	Berkshire West PCT	E16000136	6,769	6,375	6,289	6,329
5QD	Buckinghamshire PCT	E16000134	6,785	6,552	6,496	6,526
5QC	Hampshire PCT	E16000133	15,839	15,068	14,989	15,039
5QT	Isle of Wight NHS PCT	E16000147	1,390	1,277	1,318	1,314
5CQ	Milton Keynes PCT	E16000016	4,148	3,935	3,888	3,918
5QE	Oxfordshire PCT	E16000135	8,302	8,042	7,787	7,832
5FE	Portsmouth City Teaching PCT	E16000027	2,784	2,620	2,606	2,623
5L1	Southampton City PCT	E16000054	3,638	3,468	3,432	3,453
<b>Q39</b>	<b>South West</b>	<b>E18000010</b>	<b>62,017</b>	<b>59,609</b>	<b>59,227</b>	<b>59,515</b>
5FL	Bath & North East Somerset PCT	E16000028	1,968	1,888	1,878	1,883
5QN	Bournemouth & Poole Teaching PCT	E16000143	4,397	4,171	4,127	4,152
5QJ	Bristol PCT	E16000139	6,703	6,461	6,394	6,422
5QP	Cornwall & Isles of Scilly PCT	E16000144	5,898	5,596	5,567	5,595
5QQ	Devon PCT	E16000145	7,579	7,270	7,220	7,257
5QM	Dorset PCT	E16000142	3,621	3,521	3,506	3,518
5QH	Gloucestershire PCT	E16000138	6,588	6,381	6,367	6,381
5M8	North Somerset PCT	E16000069	2,431	2,365	2,361	2,369
5F1	Plymouth Teaching PCT	E16000024	3,374	3,265	3,249	3,249
5QL	Somerset PCT	E16000141	5,876	5,511	5,494	5,555
5A3	South Gloucestershire PCT	E16000001	3,215	3,146	3,107	3,134
5K3	Swindon PCT	E16000044	3,174	3,074	3,020	3,045
TAL	Torbay PCT	E17000003	1,511	1,470	1,462	1,465
5QK	Wiltshire PCT	E16000140	5,682	5,490	5,475	5,490

<sup>(1)</sup> Barnet PCT has reported some missing GP practice data which may have impacted on the percentage of children immunised in 2012-13.

<sup>(2)</sup> Due to possible exclusion of data from the 2012-13 COVER submission for Sutton and Merton PCT, the percentage of children immunised may be higher than reported.

<sup>(3)</sup> Wandsworth PCT has reported some missing GP practice data resulting in lower coverage figures for 2012-13.

<sup>(4)</sup> Hartlepool PCT was unable to submit a complete data set for a small number of GP practices in 2012-13. The impact of this missing data is expected to be minimal.

<sup>(5)</sup> Stockton-on-Tees Teaching PCT was unable to submit a complete data set for a small number of GP practices in 2012-13. The impact of this missing data is expected to be minimal.

Source: COVER

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# NHS Immunisation Statistics, England 2012-13

Table 10c: Percentage of children immunised by their 1st birthday by Area Team, 2012-13

percentages and thousands

Region & Area Team Codes		ONS Code	Number of children aged 1 (thousands) (=100%)	Percentage immunised by their 1st birthday		
				Diphtheria Tetanus Polio Pertussis Hib (DTaP/IPV/Hib) primary %	MenC primary %	Pneumococcal Disease (PCV) primary %
<b>England</b>			<b>691.0</b>	<b>94.7</b>	<b>93.9</b>	<b>94.4</b>
<b>Y54</b>	<b>North of England</b>	E40000001	<b>186.1</b>	<b>96.2</b>	<b>95.5</b>	<b>95.9</b>
Q44	Cheshire, Warrington and Wirral	E39000001	14.3	96.5	96.7	96.9
Q45	Durham, Darlington and Tees	E39000002	14.5	96.1	95.5	95.9
Q46	Greater Manchester	E39000003	37.2	96.6	95.9	96.2
Q47	Lancashire	E39000004	17.0	94.1	93.9	93.8
Q48	Merseyside	E39000005	14.4	95.4	95.5	95.8
Q49	Cumbria, Northumberland, Tyne and Wear	E39000006	21.2	97.0	96.5	96.9
Q50	North Yorkshire and Humber	E39000007	18.2	96.5	95.6	96.4
Q51	South Yorkshire and Bassetlaw	E39000008	18.1	95.5	93.6	95.0
Q52	West Yorkshire	E39000009	31.2	96.6	95.6	96.1
<b>Y55</b>	<b>Midlands and East Of England</b>	E40000002	<b>204.8</b>	<b>95.6</b>	<b>94.7</b>	<b>95.2</b>
Q53	Arden, Herefordshire and Worcestershire	E39000010	18.6	96.4	95.8	96.0
Q54	Birmingham and The Black Country	E39000011	35.6	92.2	91.6	91.8
Q55	Derbyshire and Nottinghamshire	E39000012	24.0	95.9	93.3	95.5
Q56	East Anglia	E39000013	28.7	95.8	94.9	95.3
Q57	Essex	E39000014	21.3	96.3	95.5	96.0
Q58	Hertfordshire and The South Midlands	E39000015	37.5	96.3	95.5	96.0
Q59	Leicestershire and Lincolnshire	E39000016	20.9	96.8	95.8	96.4
Q60	Shropshire and Staffordshire	E39000017	18.1	97.0	97.0	96.8
<b>Y56</b>	<b>London</b>	E40000003	<b>132.4</b>	<b>91.1</b>	<b>89.9</b>	<b>90.8</b>
Q71	London	E39000025	132.4	91.1	89.9	90.8
<b>Y57</b>	<b>South of England</b>	E40000004	<b>167.8</b>	<b>95.0</b>	<b>94.3</b>	<b>94.6</b>
Q64	Bath, Gloucestershire, Swindon and Wiltshire	E39000018	17.4	96.7	96.1	96.5
Q65	Bristol, North Somerset, Somerset and South Gloucestershire	E39000019	18.2	95.9	95.2	95.9
Q66	Devon, Cornwall and Isles Of Scilly	E39000020	18.4	95.9	95.3	95.7
Q67	Kent and Medway	E39000021	21.1	96.7	96.2	96.4
Q68	Surrey and Sussex	E39000022	32.4	91.9	91.2	91.2
Q69	Thames Valley	E39000023	28.1	95.3	93.7	94.2
Q70	Wessex	E39000024	32.2	95.0	94.5	94.9

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Table 11: Percentage of children immunised by their 2nd birthday, by Strategic Health Authority, 2012-13

*percentages and thousands*

SHA Code	ONS Code	Number of children aged 2 (thousands) (=100%)	Percentage immunised by their 2nd birthday					
			Diphtheria Tetanus Polio Pertussis Hib (DTaP/IPV/Hib) <i>primary %</i>	MenC <i>primary %</i>	MMR <i>1st dose %</i>	Hib/MenC <i>booster %</i>	Pneumococcal Conjugate Vaccine (PCV) <i>booster %</i>	
<b>England</b>		<b>689.4</b>	<b>96.3</b>	<b>95.1</b>	<b>92.3</b>	<b>92.7</b>	<b>92.5</b>	
Q30	North East	E18000001	30.9	97.8	97.0	94.1	95.5	95.0
Q31	North West	E18000002	87.7	97.4	95.8	94.9	94.9	94.8
Q32	Yorkshire and the Humber	E18000003	66.1	97.5	96.9	94.2	95.0	94.9
Q33	East Midlands	E18000004	55.0	97.6	97.2	94.0	95.3	94.8
Q34	West Midlands	E18000005	71.6	96.6	96.2	92.7	92.0	93.0
Q35	East of England	E18000006	74.9	96.9	97.0	92.8	94.7	93.8
Q36	London	E18000007	130.4	93.6	90.9	87.1	87.3	86.6
Q37	South East Coast	E18000008	54.8	95.0	93.7	91.5	91.6	90.9
Q38	South Central	E18000009	56.4	96.4	94.8	93.7	93.3	93.5
Q39	South West	E18000010	61.6	97.3	96.7	93.5	93.0	94.1

Source: COVER

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# NHS Immunisation Statistics, England 2012-13

Table 11a: Percentage of children immunised by their 2nd birthday, by Primary Care Organisation, 2012-13

percentages and thousands

SHA & PCO Codes		ONS Code	Percentage immunised by their 2nd birthday					Pneumococcal Conjugate Vaccine (PCV) booster %
			Number of children aged 2 (thousands) (=100%)	Diphtheria Tetanus Polio Pertussis Hib (DTaP/IPV/Hib) primary %	MenC primary %	MMR 1st dose %	Hib/MenC booster %	
<b>England</b>			<b>689.4</b>	<b>96.3</b>	<b>95.1</b>	<b>92.3</b>	<b>92.7</b>	<b>92.5</b>
<b>Q30</b>	<b>North East</b>	<b>E18000001</b>	<b>30.9</b>	<b>97.8</b>	<b>97.0</b>	<b>94.1</b>	<b>95.5</b>	<b>95.0</b>
5ND	County Durham PCT	E16000085	5.9	98.4	98.7	96.1	97.0	97.0
5J9	Darlington PCT	E16000041	1.3	98.9	99.5	93.2	95.4	95.6
5KF	Gateshead PCT	E16000050	2.5	98.4	97.2	95.3	95.3	95.9
5D9	Hartlepool PCT <sup>(4)</sup>	E16000019	1.1	95.2	92.4	89.2	90.7	89.9
5KM	Middlesbrough PCT	E16000053	2.1	95.7	91.2	91.3	92.5	91.4
5D7	Newcastle PCT	E16000017	3.4	96.7	96.3	93.8	94.5	93.9
5D8	North Tyneside PCT	E16000018	2.5	99.4	99.2	92.9	98.2	96.1
TAC	Northumberland PCT	E17000001	3.3	98.3	98.7	93.6	94.7	94.2
5QR	Redcar & Cleveland PCT	E16000146	1.6	96.8	94.0	92.0	94.8	93.1
5KG	South Tyneside PCT	E16000051	1.7	99.0	98.3	96.6	97.5	97.4
5KL	Sunderland Teaching PCT	E16000052	3.1	98.2	98.9	94.9	96.3	95.9
5E1	Stockton-on-Tees Teaching PCT <sup>(5)</sup>	E16000020	2.4	97.0	94.2	94.1	94.6	94.6
<b>Q31</b>	<b>North West</b>	<b>E18000002</b>	<b>87.7</b>	<b>97.4</b>	<b>95.8</b>	<b>94.9</b>	<b>94.9</b>	<b>94.8</b>
5HG	Ashton, Leigh & Wigan PCT	E16000032	3.9	97.8	97.9	94.9	94.9	95.6
TAP	Blackburn with Darwen Teaching PCT	E17000006	2.1	96.2	95.2	94.3	94.5	94.4
5HP	Blackpool PCT	E16000033	1.7	97.4	95.4	92.3	92.8	92.4
5HQ	Bolton PCT	E16000148	4.0	98.0	96.3	95.1	95.3	95.3
5JX	Bury PCT	E16000043	2.6	96.8	94.7	95.3	92.5	92.6
5NP	Central & Eastern Cheshire PCT	E16000095	5.4	97.4	96.5	94.6	96.3	94.7
5NG	Central Lancashire PCT	E16000088	5.4	97.8	96.8	95.8	95.4	95.8
5NE	Cumbria Teaching PCT	E16000086	5.1	98.2	96.8	96.1	96.3	96.2
5NH	East Lancashire Teaching PCT	E16000089	4.4	96.4	95.5	91.6	92.5	92.6
5NM	Halton & St Helens PCT	E16000093	3.8	95.5	92.3	94.4	96.4	94.6
5NQ	Heywood, Middleton & Rochdale PCT	E16000096	3.1	98.1	96.5	96.8	95.1	95.2
5J4	Knowsley PCT	E16000038	1.9	97.0	96.0	95.9	97.8	95.9
5NL	Liverpool PCT	E16000092	5.6	98.1	96.8	96.0	95.9	96.2
5NT	Manchester PCT	E16000149	7.2	96.3	93.2	92.7	91.3	92.4
5NF	North Lancashire Teaching PCT	E16000087	3.3	97.0	94.8	93.6	94.2	94.0
5J5	Oldham PCT	E16000039	3.4	97.9	96.2	97.0	95.6	95.9
5F5	Salford PCT	E16000025	3.4	99.0	94.6	98.4	98.3	97.5
5NJ	Sefton PCT	E16000090	2.9	98.1	96.7	95.8	95.1	95.7
5F7	Stockport PCT	E16000026	3.3	97.3	96.3	94.1	94.6	93.9
5LH	Tameside & Glossop PCT	E16000062	3.1	96.9	95.4	94.3	92.6	94.0
5NR	Trafford PCT	E16000097	3.1	97.9	95.8	94.9	95.2	94.8
5J2	Warrington PCT	E16000037	2.6	98.2	98.1	94.9	95.8	95.8
5NN	Western Cheshire PCT	E16000094	2.7	97.2	96.0	95.3	96.8	94.7
5NK	Wirral PCT	E16000091	3.8	97.7	97.2	95.0	95.1	93.9
<b>Q32</b>	<b>Yorkshire &amp; the Humber</b>	<b>E18000003</b>	<b>66.1</b>	<b>97.5</b>	<b>96.9</b>	<b>94.2</b>	<b>95.0</b>	<b>94.9</b>
5JE	Barnsley PCT	E16000042	3.1	98.0	98.4	94.6	96.1	95.1
5NY	Bradford & Airedale Teaching PCT	E16000102	8.1	97.5	94.5	94.4	95.5	95.1
5J6	Calderdale PCT	E16000040	2.8	97.8	97.6	93.8	95.3	94.5
5N5	Doncaster PCT	E16000078	3.8	97.2	97.8	92.9	93.7	93.9
5NW	East Riding of Yorkshire PCT	E16000100	2.9	98.2	98.3	95.3	96.1	96.2
5NX	Hull Teaching PCT	E16000101	3.8	97.7	97.3	94.0	94.3	94.1
5N2	Kirklees PCT	E16000075	5.6	98.1	98.3	95.3	96.6	95.8
5N1	Leeds PCT	E16000074	10.1	98.0	97.9	94.7	95.7	95.3

# NHS Immunisation Statistics, England 2012-13

Table 11a: Percentage of children immunised by their 2nd birthday, by Primary Care Organisation, 2012-13

percentages and thousands

SHA & PCO Codes		ONS Code	Number of children aged 2 (thousands) (=100%)	Percentage immunised by their 2nd birthday				
				Diphtheria Tetanus Polio Pertussis Hib (DTaP/IPV/Hib) primary %	MenC primary %	MMR 1st dose %	Hib/MenC booster %	Pneumococcal Conjugate Vaccine (PCV) booster %
<b>England</b>			<b>689.4</b>	<b>96.3</b>	<b>95.1</b>	<b>92.3</b>	<b>92.7</b>	<b>92.5</b>
TAN	North East Lincolnshire PCT	E17000005	2.1	98.8	98.5	96.5	96.8	96.9
5EF	North Lincolnshire PCT	E16000021	1.9	98.3	98.4	94.1	95.3	94.7
5NV	North Yorkshire & York PCT	E16000099	8.0	96.2	95.2	93.8	92.8	95.1
5H8	Rotherham PCT	E16000031	3.1	97.0	96.9	93.2	95.0	93.9
5N4	Sheffield PCT	E16000077	6.6	96.7	95.5	92.3	93.6	92.6
5N3	Wakefield District PCT	E16000076	4.3	97.7	98.2	94.8	95.9	95.5
<b>Q33</b>	<b>East Midlands</b>	<b>E18000004</b>	<b>55.0</b>	<b>97.6</b>	<b>97.2</b>	<b>94.0</b>	<b>95.3</b>	<b>94.8</b>
5ET	Bassetlaw PCT	E16000023	1.3	97.1	97.9	91.8	93.2	92.6
5N7	Derby City PCT	E16000080	3.8	96.6	96.5	92.6	93.8	93.2
5N6	Derbyshire County PCT	E16000079	7.7	98.5	98.7	94.6	96.4	95.3
5PC	Leicester City PCT	E16000113	5.2	97.9	96.7	95.7	96.0	95.8
5PA	Leicestershire County & Rutland PCT	E16000112	7.6	98.8	98.5	96.0	96.9	96.7
5N9	Lincolnshire Teaching PCT	E16000082	8.2	96.1	94.5	92.8	94.6	94.0
5PD	Northamptonshire Teaching PCT	E16000114	9.2	98.2	97.6	95.6	96.0	96.3
5EM	Nottingham City PCT	E16000022	4.4	96.1	95.4	89.8	91.9	90.4
5N8	Nottinghamshire County Teaching PCT	E16000081	7.7	97.7	98.1	93.4	95.1	94.2
<b>Q34</b>	<b>West Midlands</b>	<b>E18000005</b>	<b>71.6</b>	<b>96.6</b>	<b>96.2</b>	<b>92.7</b>	<b>92.0</b>	<b>93.0</b>
5PG	Birmingham East & North PCT	E16000117	6.7	92.8	93.3	85.3	82.7	86.2
5MD	Coventry Teaching PCT	E16000070	4.5	98.3	97.1	96.9	94.7	96.3
5PE	Dudley PCT	E16000115	3.6	97.9	98.0	96.1	95.1	96.7
5MX	Heart of Birmingham Teaching PCT	E16000073	5.3	92.5	93.1	87.3	83.6	87.7
5CN	Herefordshire PCT	E16000015	2.0	95.3	95.0	89.8	88.6	90.6
5PH	North Staffordshire PCT	E16000118	2.1	98.3	97.3	95.9	97.6	97.4
5PF	Sandwell PCT	E16000116	4.7	95.2	95.8	90.3	91.8	90.9
5M2	Shropshire County PCT	E16000065	2.9	97.9	96.0	96.9	96.5	96.6
5QW	Solihull PCT	E16000151	2.6	96.8	97.6	92.3	94.1	93.4
5M1	South Birmingham PCT	E16000064	5.1	94.2	94.2	87.4	85.0	88.4
5PK	South Staffordshire PCT	E16000120	6.9	98.3	98.2	93.3	93.3	94.8
5PJ	Stoke-on-Trent PCT	E16000119	3.8	97.9	95.8	95.4	96.4	96.1
5MK	Telford & Wrekin PCT	E16000071	2.3	97.7	96.1	96.3	95.8	96.0
5M3	Walsall Teaching PCT	E16000066	3.4	98.8	98.6	97.0	96.9	97.5
5PM	Warwickshire PCT	E16000122	5.9	98.7	98.5	97.1	95.7	97.0
5MV	Wolverhampton City PCT	E16000072	3.4	96.7	95.3	92.8	92.9	88.1
5PL	Worcestershire PCT	E16000121	6.5	97.6	96.4	94.6	95.1	93.9
<b>Q35</b>	<b>East of England</b>	<b>E18000006</b>	<b>74.9</b>	<b>96.9</b>	<b>97.0</b>	<b>92.8</b>	<b>94.7</b>	<b>93.8</b>
5P2	Bedfordshire PCT	E16000104	5.7	98.1	97.6	94.0	95.6	95.3
5PP	Cambridgeshire PCT	E16000124	7.8	95.8	95.7	90.9	92.2	91.6
5PR	Great Yarmouth & Waveney PCT	E16000126	2.5	95.5	96.8	92.4	94.2	93.5
5QV	Hertfordshire PCT	E16000150	15.8	96.2	96.7	94.0	95.8	94.7
5GC	Luton PCT	E16000029	3.5	96.8	95.5	89.9	92.4	90.5
5PX	Mid Essex PCT	E16000130	4.4	98.4	98.5	93.6	96.1	95.3
5PQ	Norfolk PCT	E16000125	8.0	97.4	97.5	92.1	94.1	93.2
5PW	North East Essex PCT	E16000129	3.7	96.6	97.4	93.3	94.9	93.6
5PN	Peterborough PCT	E16000123	3.0	96.7	95.3	92.6	92.6	92.6
5P1	South East Essex PCT	E16000103	4.0	97.0	97.4	92.5	95.1	94.1
5PY	South West Essex PCT	E16000131	5.7	97.0	97.5	91.9	94.8	93.3



# NHS Immunisation Statistics, England 2012-13

Table 11a: Percentage of children immunised by their 2nd birthday, by Primary Care Organisation, 2012-13

percentages and thousands

SHA & PCO Codes		ONS Code	Number of children aged 2 (thousands) (=100%)	Percentage immunised by their 2nd birthday				
				Diphtheria Tetanus Polio Pertussis Hib (DTaP/IPV/Hib) primary %	MenC primary %	MMR 1st dose %	Hib/MenC booster %	Pneumococcal Conjugate Vaccine (PCV) booster %
<b>England</b>			<b>689.4</b>	<b>96.3</b>	<b>95.1</b>	<b>92.3</b>	<b>92.7</b>	<b>92.5</b>
5PT	Suffolk PCT	E16000127	6.9	97.2	97.5	94.2	95.7	95.2
5PV	West Essex PCT	E16000128	3.7	97.4	97.5	93.0	95.4	93.8
<b>Q36</b>	<b>London</b>	<b>E18000007</b>	<b>130.4</b>	<b>93.6</b>	<b>90.9</b>	<b>87.1</b>	<b>87.3</b>	<b>86.6</b>
5C2	Barking & Dagenham PCT	E16000009	3.9	94.2	91.2	88.5	88.9	87.7
5A9	Barnet PCT <sup>(1)</sup>	E16000006	5.8	94.3	92.2	87.8	87.8	88.3
TAK	Bexley PCT	E17000002	3.2	96.4	96.6	88.5	91.2	89.3
5K5	Brent Teaching PCT	E16000045	4.9	95.8	90.1	91.8	93.0	91.3
5A7	Bromley PCT	E16000004	4.4	96.0	93.7	90.6	90.4	90.3
5K7	Camden PCT	E16000047	2.8	93.7	91.3	85.0	87.4	85.6
5C3	City & Hackney Teaching PCT	E16000010	4.4	91.4	84.2	85.7	86.8	86.4
5K9	Croydon PCT	E16000049	5.6	94.1	92.0	86.5	86.6	86.4
5HX	Ealing PCT	E16000035	6.1	96.8	91.1	89.3	90.1	88.8
5C1	Enfield PCT	E16000008	5.1	90.5	88.5	82.8	83.5	83.2
5A8	Greenwich Teaching PCT	E16000005	4.6	93.4	92.5	85.2	85.5	85.4
5H1	Hammersmith & Fulham PCT	E16000030	2.5	91.7	90.0	83.7	84.6	82.2
5C9	Haringey Teaching PCT	E16000013	3.9	94.6	91.2	92.0	92.5	89.0
5K6	Harrow PCT	E16000046	3.3	96.6	91.6	92.5	92.5	90.5
5A4	Havering PCT	E16000002	3.1	95.8	94.3	91.3	92.4	91.5
5AT	Hillingdon PCT	E16000007	4.1	96.3	94.2	90.8	91.8	91.0
5HY	Hounslow PCT	E16000036	4.4	93.7	94.9	87.7	88.6	87.6
5K8	Islington PCT	E16000048	2.6	97.8	96.3	91.6	91.9	91.1
5LA	Kensington & Chelsea PCT	E16000056	2.1	88.5	82.4	81.3	78.8	76.9
5A5	Kingston PCT	E16000003	2.7	96.0	93.2	88.6	85.5	88.4
5LD	Lambeth PCT	E16000058	4.6	95.5	94.4	89.1	88.5	88.4
5LF	Lewisham PCT	E16000060	4.7	89.9	89.2	86.3	85.4	84.6
5C5	Newham PCT	E16000012	6.4	91.0	88.0	82.2	82.0	82.0
5NA	Redbridge PCT	E16000083	4.4	94.8	91.0	89.7	89.0	88.8
5M6	Richmond & Twickenham PCT	E16000067	3.0	95.1	92.8	88.0	87.3	87.5
5LE	Southwark PCT	E16000059	4.7	93.1	91.4	85.7	84.8	85.3
5M7	Sutton & Merton PCT <sup>(2)</sup>	E16000068	6.1	89.2	88.1	80.7	80.3	80.2
5C4	Tower Hamlets PCT	E16000011	4.2	97.3	93.8	93.8	94.4	93.5
5NC	Waltham Forest PCT	E16000084	4.8	94.6	93.3	87.2	88.2	86.2
5LG	Wandsworth PCT <sup>(3)</sup>	E16000061	5.3	91.2	87.1	82.8	83.0	81.4
5LC	Westminster PCT	E16000057	2.8	81.9	76.8	77.4	77.0	75.1
<b>Q37</b>	<b>South East Coast</b>	<b>E18000008</b>	<b>54.8</b>	<b>95.0</b>	<b>93.7</b>	<b>91.5</b>	<b>91.6</b>	<b>90.9</b>
5LQ	Brighton & Hove City PCT	E16000063	3.2	94.4	93.0	92.0	91.1	89.5
5P7	East Sussex Downs & Weald PCT	E16000109	3.5	96.6	95.4	93.6	93.1	92.9
5QA	Eastern & Coastal Kent PCT	E16000132	8.8	97.6	96.7	94.7	94.7	95.6
5P8	Hastings & Rother PCT	E16000110	2.0	95.9	94.9	91.9	92.9	91.4
5L3	Medway PCT	E16000055	3.6	98.1	96.6	95.6	95.2	94.4
5P5	Surrey PCT	E16000107	15.4	89.4	87.9	83.6	83.8	84.3
5P9	West Kent PCT	E16000111	8.7	98.4	97.6	96.1	96.2	96.2
5P6	West Sussex PCT	E16000108	9.6	96.8	95.1	94.5	94.9	90.9
<b>Q38</b>	<b>South Central</b>	<b>E18000009</b>	<b>56.4</b>	<b>96.4</b>	<b>94.8</b>	<b>93.7</b>	<b>93.3</b>	<b>93.5</b>
5QG	Berkshire East PCT	E16000137	6.4	94.4	92.6	89.2	88.6	88.5
5QF	Berkshire West PCT	E16000136	6.9	96.6	93.3	94.5	93.5	93.6

# NHS Immunisation Statistics, England 2012-13

Table 11a: Percentage of children immunised by their 2nd birthday, by Primary Care Organisation, 2012-13

percentages and thousands

SHA & PCO Codes		ONS Code	Percentage immunised by their 2nd birthday					
			Number of children aged 2 (thousands) (=100%)	Diphtheria Tetanus Polio Pertussis Hib (DTaP/IPV/Hib) <i>primary %</i>	MenC <i>primary %</i>	MMR <i>1st dose %</i>	Hib/MenC <i>booster %</i>	Pneumococcal Conjugate Vaccine (PCV) <i>booster %</i>
<b>England</b>			<b>689.4</b>	<b>96.3</b>	<b>95.1</b>	<b>92.3</b>	<b>92.7</b>	<b>92.5</b>
5QD	Buckinghamshire PCT	E16000134	6.9	96.9	94.7	95.2	95.2	95.5
5QC	Hampshire PCT	E16000133	16.0	96.4	95.5	94.0	93.7	93.7
5QT	Isle of Wight NHS PCT	E16000147	1.3	92.3	92.0	91.4	92.0	91.1
5CQ	Milton Keynes PCT	E16000016	4.2	96.9	95.1	93.5	93.0	93.5
5QE	Oxfordshire PCT	E16000135	8.4	97.5	97.1	95.1	95.3	95.3
5FE	Portsmouth City Teaching PCT	E16000027	2.7	95.9	94.8	93.5	92.6	92.8
5L1	Southampton City PCT	E16000054	3.5	97.0	93.8	94.1	93.1	94.6
<b>Q39</b>	<b>South West</b>	<b>E18000010</b>	<b>61.6</b>	<b>97.3</b>	<b>96.7</b>	<b>93.5</b>	<b>93.0</b>	<b>94.1</b>
5FL	Bath & North East Somerset PCT	E16000028	2.0	98.5	97.9	93.9	93.3	95.2
5QN	Bournemouth & Poole Teaching PCT	E16000143	4.2	96.6	95.8	92.1	92.0	93.1
5QJ	Bristol PCT	E16000139	6.3	96.7	95.6	90.7	90.8	91.9
5QP	Cornwall & Isles of Scilly PCT	E16000144	5.8	96.7	95.1	92.7	93.1	92.4
5QQ	Devon PCT	E16000145	7.7	97.0	96.6	92.8	92.1	92.8
5QM	Dorset PCT	E16000142	3.6	98.1	98.1	94.9	94.6	96.2
5QH	Gloucestershire PCT	E16000138	6.6	97.5	97.9	96.1	95.2	96.5
5M8	North Somerset PCT	E16000069	2.5	98.1	97.7	94.2	94.2	95.2
5F1	Plymouth Teaching PCT	E16000024	3.3	98.1	98.1	92.6	92.0	93.2
5QL	Somerset PCT	E16000141	6.0	95.8	96.0	92.8	89.9	93.4
5A3	South Gloucestershire PCT	E16000001	3.2	98.7	97.5	95.7	95.7	96.0
5K3	Swindon PCT	E16000044	3.2	98.0	95.5	94.9	94.4	95.4
TAL	Torbay PCT	E17000003	1.5	98.6	98.1	94.8	94.6	95.4
5QK	Wiltshire PCT	E16000140	5.7	97.6	96.6	94.2	94.2	95.2

<sup>(1)</sup> Barnet PCT has reported some missing GP practice data which may have impacted on the percentage of children immunised in 2012-13.

<sup>(2)</sup> Due to possible exclusion of data from the 2012-13 COVER submission for Sutton and Merton PCT, the percentage of children immunised may be higher than reported.

<sup>(3)</sup> Wandsworth PCT has reported some missing GP practice data resulting in lower coverage figures for 2012-13.

<sup>(4)</sup> Hartlepool PCT was unable to submit a complete data set for a small number of GP practices in 2012-13. The impact of this missing data is expected to be minimal.

<sup>(5)</sup> Stockton-on-Tees Teaching PCT was unable to submit a complete data set for a small number of GP practices in 2012-13. The impact of this missing data is expected to be minimal.

Source: COVER

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# NHS Immunisation Statistics, England 2012-13

Table 11b: Number of children immunised by their 2nd birthday, by Primary Care Organisation, 2012-13

SHA & PCO Codes		ONS Code	Number of children aged 2	Number immunised by their 2nd birthday				
				Diphtheria Tetanus Polio Pertussis Hib (DTaP/IPV/Hib) <i>primary</i>	MenC <i>primary</i>	MMR <i>1st dose</i>	Hib/MenC <i>booster</i>	Pneumococcal Conjugate Vaccine (PCV) <i>booster</i>
<b>England</b>			<b>689,447</b>	<b>663,927</b>	<b>655,980</b>	<b>636,514</b>	<b>638,835</b>	<b>637,557</b>
<b>Q30</b>	<b>North East</b>	<b>E18000001</b>	<b>30,862</b>	<b>30,190</b>	<b>29,950</b>	<b>29,038</b>	<b>29,468</b>	<b>29,329</b>
5ND	County Durham PCT	E16000085	5,884	5,787	5,807	5,654	5,708	5,708
5J9	Darlington PCT	E16000041	1,315	1,301	1,309	1,226	1,255	1,257
5KF	Gateshead PCT	E16000050	2,455	2,416	2,386	2,339	2,339	2,355
5D9	Hartlepool PCT <sup>(4)</sup>	E16000019	1,144	1,089	1,057	1,020	1,038	1,028
5KM	Middlesbrough PCT	E16000053	2,076	1,987	1,894	1,896	1,920	1,898
5D7	Newcastle PCT	E16000017	3,414	3,301	3,286	3,202	3,225	3,206
5D8	North Tyneside PCT	E16000018	2,504	2,489	2,484	2,326	2,458	2,406
TAC	Northumberland PCT	E17000001	3,262	3,208	3,219	3,052	3,088	3,072
5QR	Redcar & Cleveland PCT	E16000146	1,552	1,503	1,459	1,428	1,471	1,445
5KG	South Tyneside PCT	E16000051	1,725	1,707	1,695	1,666	1,682	1,680
5KL	Sunderland Teaching PCT	E16000052	3,095	3,039	3,060	2,937	2,979	2,969
5E1	Stockton-on-Tees Teaching PCT <sup>(5)</sup>	E16000020	2,436	2,363	2,294	2,292	2,305	2,305
<b>Q31</b>	<b>North West</b>	<b>E18000002</b>	<b>87,717</b>	<b>85,451</b>	<b>84,071</b>	<b>83,258</b>	<b>83,268</b>	<b>83,113</b>
5HG	Ashton, Leigh & Wigan PCT	E16000032	3,871	3,785	3,791	3,674	3,675	3,699
TAP	Blackburn with Darwen Teaching PCT	E17000006	2,147	2,066	2,045	2,024	2,028	2,026
5HP	Blackpool PCT	E16000033	1,662	1,618	1,585	1,534	1,542	1,535
5HQ	Bolton PCT	E16000148	3,957	3,877	3,810	3,762	3,770	3,770
5JX	Bury PCT	E16000043	2,587	2,503	2,449	2,465	2,394	2,395
5NP	Central & Eastern Cheshire PCT	E16000095	5,438	5,298	5,247	5,147	5,237	5,152
5NG	Central Lancashire PCT	E16000088	5,416	5,296	5,244	5,188	5,166	5,187
5NE	Cumbria Teaching PCT	E16000086	5,066	4,974	4,905	4,870	4,881	4,872
5NH	East Lancashire Teaching PCT	E16000089	4,439	4,280	4,239	4,066	4,107	4,111
5NM	Halton & St Helens PCT	E16000093	3,795	3,625	3,503	3,582	3,660	3,591
5NQ	Heywood, Middleton & Rochdale PCT	E16000096	3,079	3,022	2,972	2,981	2,928	2,932
5J4	Knowsley PCT	E16000038	1,947	1,889	1,869	1,868	1,905	1,868
5NL	Liverpool PCT	E16000092	5,603	5,495	5,424	5,380	5,371	5,390
5NT	Manchester PCT	E16000149	7,241	6,974	6,751	6,711	6,611	6,689
5NF	North Lancashire Teaching PCT	E16000087	3,255	3,156	3,085	3,046	3,066	3,060
5J5	Oldham PCT	E16000039	3,411	3,341	3,282	3,307	3,261	3,272
5F5	Salford PCT	E16000025	3,372	3,337	3,191	3,318	3,315	3,289
5NJ	Sefton PCT	E16000090	2,877	2,822	2,783	2,757	2,737	2,753
5F7	Stockport PCT	E16000026	3,286	3,198	3,163	3,093	3,107	3,084
5LH	Tameside & Glossop PCT	E16000062	3,121	3,024	2,978	2,942	2,890	2,934
5NR	Trafford PCT	E16000097	3,075	3,009	2,947	2,919	2,926	2,915
5J2	Warrington PCT	E16000037	2,553	2,507	2,504	2,424	2,445	2,446
5NN	Western Cheshire PCT	E16000094	2,683	2,608	2,576	2,557	2,597	2,542
5NK	Wirral PCT	E16000091	3,836	3,747	3,728	3,643	3,649	3,601
<b>Q32</b>	<b>Yorkshire &amp; the Humber</b>	<b>E18000003</b>	<b>66,132</b>	<b>64,484</b>	<b>64,103</b>	<b>62,285</b>	<b>62,841</b>	<b>62,727</b>
5JE	Barnsley PCT	E16000042	3,052	2,990	3,002	2,888	2,932	2,903
5NY	Bradford & Airedale Teaching PCT	E16000102	8,118	7,914	7,669	7,667	7,751	7,722
5J6	Calderdale PCT	E16000040	2,752	2,691	2,686	2,580	2,624	2,601
5N5	Doncaster PCT	E16000078	3,822	3,714	3,738	3,551	3,582	3,589
5NW	East Riding of Yorkshire PCT	E16000100	2,874	2,821	2,826	2,740	2,762	2,764
5NX	Hull Teaching PCT	E16000101	3,788	3,699	3,687	3,561	3,571	3,563
5N2	Kirklees PCT	E16000075	5,648	5,542	5,550	5,384	5,455	5,413
5N1	Leeds PCT	E16000074	10,140	9,939	9,928	9,599	9,703	9,666
TAN	North East Lincolnshire PCT	E17000005	2,058	2,034	2,027	1,985	1,993	1,994
5EF	North Lincolnshire PCT	E16000021	1,907	1,874	1,876	1,795	1,817	1,805
5NV	North Yorkshire & York PCT	E16000099	7,995	7,695	7,609	7,496	7,423	7,600

# NHS Immunisation Statistics, England 2012-13

Table 11b: Number of children immunised by their 2nd birthday, by Primary Care Organisation, 2012-13

		numbers						
		Number immunised by their 2nd birthday						
SHA & PCO Codes	ONS Code	Number of children aged 2	Diphtheria	Tetanus	Polio	Pneumococcal		
			Pertussis		Conjugate			
			Hib (DTaP/IPV/Hib)	MenC	MMR	Hib/MenC	Vaccine (PCV)	
			<i>primary</i>	<i>primary</i>	<i>1st dose</i>	<i>booster</i>	<i>booster</i>	
<b>England</b>		<b>689,447</b>	<b>663,927</b>	<b>655,980</b>	<b>636,514</b>	<b>638,835</b>	<b>637,557</b>	
5H8	Rotherham PCT	E16000031	3,141	3,048	3,045	2,928	2,983	2,948
5N4	Sheffield PCT	E16000077	6,580	6,364	6,281	6,074	6,162	6,095
5N3	Wakefield District PCT	E16000076	4,257	4,159	4,179	4,037	4,083	4,064
<b>Q33</b>	<b>East Midlands</b>	<b>E18000004</b>	<b>55,008</b>	<b>53,696</b>	<b>53,443</b>	<b>51,734</b>	<b>52,423</b>	<b>52,133</b>
5ET	Bassetlaw PCT	E16000023	1,263	1,227	1,236	1,160	1,177	1,169
5N7	Derby City PCT	E16000080	3,816	3,687	3,683	3,534	3,581	3,558
5N6	Derbyshire County PCT	E16000079	7,693	7,581	7,591	7,278	7,414	7,330
5PC	Leicester City PCT	E16000113	5,221	5,110	5,051	4,997	5,013	5,004
5PA	Leicestershire County & Rutland PCT	E16000112	7,552	7,463	7,441	7,251	7,319	7,306
5N9	Lincolnshire Teaching PCT	E16000082	8,163	7,846	7,716	7,573	7,721	7,672
5PD	Northamptonshire Teaching PCT	E16000114	9,199	9,030	8,976	8,794	8,832	8,857
5EM	Nottingham City PCT	E16000022	4,380	4,208	4,178	3,934	4,027	3,960
5N8	Nottinghamshire County Teaching PCT	E16000081	7,721	7,544	7,571	7,213	7,339	7,277
<b>Q34</b>	<b>West Midlands</b>	<b>E18000005</b>	<b>71,613</b>	<b>69,150</b>	<b>68,860</b>	<b>66,413</b>	<b>65,878</b>	<b>66,567</b>
5PG	Birmingham East & North PCT	E16000117	6,698	6,216	6,250	5,715	5,542	5,777
5MD	Coventry Teaching PCT	E16000070	4,519	4,444	4,387	4,378	4,279	4,353
5PE	Dudley PCT	E16000115	3,644	3,569	3,570	3,502	3,467	3,522
5MX	Heart of Birmingham Teaching PCT	E16000073	5,326	4,926	4,956	4,648	4,451	4,672
5CN	Herefordshire PCT	E16000015	1,978	1,885	1,880	1,776	1,752	1,793
5PH	North Staffordshire PCT	E16000118	2,066	2,030	2,010	1,982	2,016	2,013
5PF	Sandwell PCT	E16000116	4,661	4,437	4,463	4,207	4,281	4,238
5M2	Shropshire County PCT	E16000065	2,933	2,870	2,815	2,843	2,830	2,833
5QW	Solihull PCT	E16000151	2,649	2,563	2,585	2,444	2,493	2,475
5M1	South Birmingham PCT	E16000064	5,073	4,780	4,778	4,435	4,313	4,483
5PK	South Staffordshire PCT	E16000120	6,946	6,829	6,820	6,482	6,479	6,585
5PJ	Stoke-on-Trent PCT	E16000119	3,752	3,673	3,596	3,580	3,618	3,604
5MK	Telford & Wrekin PCT	E16000071	2,261	2,208	2,172	2,177	2,167	2,171
5M3	Walsall Teaching PCT	E16000066	3,385	3,343	3,339	3,283	3,279	3,299
5PM	Warwickshire PCT	E16000122	5,890	5,815	5,799	5,717	5,636	5,711
5MV	Wolverhampton City PCT	E16000072	3,355	3,243	3,197	3,115	3,118	2,957
5PL	Worcestershire PCT	E16000121	6,477	6,319	6,243	6,129	6,157	6,081
<b>Q35</b>	<b>East of England</b>	<b>E18000006</b>	<b>74,857</b>	<b>72,508</b>	<b>72,595</b>	<b>69,502</b>	<b>70,898</b>	<b>70,190</b>
5P2	Bedfordshire PCT	E16000104	5,722	5,616	5,587	5,376	5,470	5,452
5PP	Cambridgeshire PCT	E16000124	7,770	7,441	7,433	7,063	7,166	7,114
5PR	Great Yarmouth & Waveney PCT	E16000126	2,499	2,386	2,418	2,308	2,355	2,336
5QV	Hertfordshire PCT	E16000150	15,841	15,241	15,315	14,896	15,172	14,994
5GC	Luton PCT	E16000029	3,483	3,372	3,328	3,131	3,219	3,152
5PX	Mid Essex PCT	E16000130	4,371	4,299	4,305	4,090	4,202	4,164
5PQ	Norfolk PCT	E16000125	8,046	7,834	7,842	7,412	7,568	7,495
5PW	North East Essex PCT	E16000129	3,701	3,576	3,603	3,452	3,513	3,463
5PN	Peterborough PCT	E16000123	3,034	2,933	2,890	2,809	2,810	2,808
5P1	South East Essex PCT	E16000103	4,048	3,928	3,942	3,746	3,849	3,811
5PY	South West Essex PCT	E16000131	5,709	5,540	5,564	5,248	5,411	5,327
5PT	Suffolk PCT	E16000127	6,932	6,737	6,759	6,528	6,632	6,601
5PV	West Essex PCT	E16000128	3,701	3,605	3,609	3,443	3,531	3,473

# NHS Immunisation Statistics, England 2012-13

Table 11b: Number of children immunised by their 2nd birthday, by Primary Care Organisation, 2012-13

		numbers						
		Number immunised by their 2nd birthday						
SHA & PCO Codes	ONS Code	Number of children aged 2	Diphtheria	Tetanus	Polio	Pertussis	Pneumococcal Conjugate Vaccine (PCV)	
			(DTaP/IPV/Hib) <i>primary</i>	MenC <i>primary</i>	MMR <i>1st dose</i>	Hib/MenC <i>booster</i>	<i>booster</i>	
<b>England</b>		<b>689,447</b>	<b>663,927</b>	<b>655,980</b>	<b>636,514</b>	<b>638,835</b>	<b>637,557</b>	
<b>Q36</b>	<b>London</b>	<b>E18000007</b>	<b>130,386</b>	<b>122,012</b>	<b>118,511</b>	<b>113,616</b>	<b>113,892</b>	<b>112,891</b>
5C2	Barking & Dagenham PCT	E16000009	3,891	3,665	3,548	3,445	3,461	3,413
5A9	Barnet PCT <sup>(1)</sup>	E16000006	5,779	5,448	5,329	5,075	5,075	5,104
TAK	Bexley PCT	E17000002	3,163	3,048	3,054	2,799	2,884	2,825
5K5	Brent Teaching PCT	E16000045	4,886	4,683	4,404	4,483	4,544	4,459
5A7	Bromley PCT	E16000004	4,356	4,180	4,080	3,946	3,940	3,932
5K7	Camden PCT	E16000047	2,778	2,602	2,535	2,360	2,429	2,379
5C3	City & Hackney Teaching PCT	E16000010	4,421	4,041	3,721	3,789	3,836	3,820
5K9	Croydon PCT	E16000049	5,641	5,306	5,190	4,878	4,885	4,874
5HX	Ealing PCT	E16000035	6,146	5,952	5,602	5,488	5,539	5,458
5C1	Enfield PCT	E16000008	5,068	4,588	4,483	4,196	4,232	4,215
5A8	Greenwich Teaching PCT	E16000005	4,560	4,258	4,220	3,886	3,901	3,893
5H1	Hammersmith & Fulham PCT	E16000030	2,460	2,255	2,214	2,060	2,080	2,021
5C9	Haringey Teaching PCT	E16000013	3,854	3,646	3,513	3,546	3,565	3,431
5K6	Harrow PCT	E16000046	3,327	3,213	3,048	3,076	3,077	3,012
5A4	Havering PCT	E16000002	3,053	2,926	2,880	2,788	2,822	2,793
5AT	Hillingdon PCT	E16000007	4,149	3,995	3,908	3,769	3,807	3,775
5HY	Hounslow PCT	E16000036	4,377	4,102	4,154	3,839	3,876	3,835
5K8	Islington PCT	E16000048	2,640	2,581	2,541	2,418	2,426	2,406
5LA	Kensington & Chelsea PCT	E16000056	2,130	1,884	1,755	1,732	1,679	1,637
5A5	Kingston PCT	E16000003	2,687	2,579	2,505	2,381	2,298	2,376
5LD	Lambeth PCT	E16000058	4,633	4,423	4,374	4,130	4,098	4,096
5LF	Lewisham PCT	E16000060	4,666	4,194	4,160	4,025	3,984	3,949
5C5	Newham PCT	E16000012	6,411	5,835	5,640	5,268	5,259	5,255
5NA	Redbridge PCT	E16000083	4,438	4,207	4,037	3,983	3,952	3,941
5M6	Richmond & Twickenham PCT	E16000067	3,005	2,858	2,789	2,643	2,622	2,628
5LE	Southwark PCT	E16000059	4,660	4,340	4,258	3,994	3,954	3,975
5M7	Sutton & Merton PCT <sup>(2)</sup>	E16000068	6,060	5,403	5,337	4,891	4,867	4,861
5C4	Tower Hamlets PCT	E16000011	4,235	4,120	3,973	3,972	3,999	3,960
5NC	Waltham Forest PCT	E16000084	4,797	4,537	4,475	4,184	4,232	4,137
5LG	Wandsworth PCT <sup>(3)</sup>	E16000061	5,349	4,879	4,660	4,431	4,438	4,354
5LC	Westminster PCT	E16000057	2,766	2,264	2,124	2,141	2,131	2,077
<b>Q37</b>	<b>South East Coast</b>	<b>E18000008</b>	<b>54,827</b>	<b>52,084</b>	<b>51,391</b>	<b>50,166</b>	<b>50,202</b>	<b>49,857</b>
5LQ	Brighton & Hove City PCT	E16000063	3,172	2,994	2,949	2,918	2,890	2,840
5P7	East Sussex Downs & Weald PCT	E16000109	3,508	3,390	3,346	3,283	3,266	3,260
5QA	Eastern & Coastal Kent PCT	E16000132	8,835	8,623	8,542	8,371	8,363	8,447
5P8	Hastings & Rother PCT	E16000110	1,957	1,876	1,858	1,798	1,818	1,788
5L3	Medway PCT	E16000055	3,589	3,522	3,468	3,432	3,418	3,389
5P5	Surrey PCT	E16000107	15,432	13,796	13,572	12,897	12,934	13,004
5P9	West Kent PCT	E16000111	8,693	8,552	8,487	8,355	8,366	8,361
5P6	West Sussex PCT	E16000108	9,641	9,331	9,169	9,112	9,147	8,768
<b>Q38</b>	<b>South Central</b>	<b>E18000009</b>	<b>56,416</b>	<b>54,386</b>	<b>53,485</b>	<b>52,868</b>	<b>52,656</b>	<b>52,747</b>
5QG	Berkshire East PCT	E16000137	6,420	6,063	5,944	5,726	5,685	5,683
5QF	Berkshire West PCT	E16000136	6,934	6,701	6,469	6,554	6,486	6,489
5QD	Buckinghamshire PCT	E16000134	6,946	6,734	6,579	6,611	6,616	6,634
5QC	Hampshire PCT	E16000133	15,953	15,386	15,239	15,001	14,948	14,954
5QT	Isle of Wight NHS PCT	E16000147	1,330	1,228	1,224	1,215	1,223	1,212
5CQ	Milton Keynes PCT	E16000016	4,184	4,053	3,981	3,912	3,893	3,912
5QE	Oxfordshire PCT	E16000135	8,404	8,195	8,162	7,990	8,005	8,005
5FE	Portsmouth City Teaching PCT	E16000027	2,716	2,604	2,576	2,539	2,516	2,521

# NHS Immunisation Statistics, England 2012-13

Table 11b: Number of children immunised by their 2nd birthday, by Primary Care Organisation, 2012-13

		numbers						
		Number immunised by their 2nd birthday						
SHA & PCO Codes	ONS Code	Number of children aged 2	Diphtheria	Tetanus	Polio	Pertussis	Pneumococcal Conjugate Vaccine (PCV)	
			(DTaP/IPV/Hib) <i>primary</i>	MenC <i>primary</i>	MMR <i>1st dose</i>	Hib/MenC <i>booster</i>	<i>booster</i>	
<b>England</b>		<b>689,447</b>	<b>663,927</b>	<b>655,980</b>	<b>636,514</b>	<b>638,835</b>	<b>637,557</b>	
5L1	Southampton City PCT	E16000054	3,529	3,422	3,311	3,320	3,284	3,337
<b>Q39</b>	<b>South West</b>	<b>E18000010</b>	<b>61,629</b>	<b>59,966</b>	<b>59,571</b>	<b>57,634</b>	<b>57,309</b>	<b>58,003</b>
5FL	Bath & North East Somerset PCT	E16000028	2,022	1,991	1,980	1,899	1,887	1,925
5QN	Bournemouth & Poole Teaching PCT	E16000143	4,177	4,034	4,000	3,846	3,843	3,888
5QJ	Bristol PCT	E16000139	6,323	6,117	6,047	5,738	5,740	5,812
5QP	Cornwall & Isles of Scilly PCT	E16000144	5,845	5,650	5,557	5,417	5,441	5,399
5QQ	Devon PCT	E16000145	7,737	7,507	7,474	7,179	7,124	7,183
5QM	Dorset PCT	E16000142	3,641	3,571	3,572	3,455	3,444	3,502
5QH	Gloucestershire PCT	E16000138	6,593	6,428	6,452	6,334	6,277	6,359
5M8	North Somerset PCT	E16000069	2,485	2,438	2,427	2,341	2,341	2,365
5F1	Plymouth Teaching PCT	E16000024	3,285	3,224	3,222	3,042	3,022	3,061
5QL	Somerset PCT	E16000141	5,970	5,719	5,730	5,542	5,368	5,575
5A3	South Gloucestershire PCT	E16000001	3,154	3,114	3,076	3,017	3,018	3,027
5K3	Swindon PCT	E16000044	3,191	3,126	3,049	3,027	3,011	3,044
TAL	Torbay PCT	E17000003	1,492	1,471	1,463	1,414	1,411	1,424
5QK	Wiltshire PCT	E16000140	5,714	5,576	5,522	5,383	5,382	5,439

<sup>(1)</sup> Barnet PCT has reported some missing GP practice data which may have impacted on the percentage of children immunised in 2012-13.

<sup>(2)</sup> Due to possible exclusion of data from the 2012-13 COVER submission for Sutton and Merton PCT, the percentage of children immunised may be higher than reported.

<sup>(3)</sup> Wandsworth PCT has reported some missing GP practice data resulting in lower coverage figures for 2012-13.

<sup>(4)</sup> Hartlepool PCT was unable to submit a complete data set for a small number of GP practices in 2012-13. The impact of this missing data is expected to be minimal.

<sup>(5)</sup> Stockton-on-Tees Teaching PCT was unable to submit a complete data set for a small number of GP practices in 2012-13. The impact of this missing data is expected to be minimal.

Source: COVER

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# NHS Immunisation Statistics, England 2012-13

Table 11c: Percentage of children immunised by their 2nd birthday, by Area Team, 2012-13

percentages and thousands

Region & Area Team Codes		ONS Code	Number of children aged 2 (thousands) (=100%)	Percentage immunised by their 2nd birthday				
				Diphtheria Tetanus Polio Pertussis Hib (DTaP/IPV/Hib) primary %	MenC primary %	MMR 1st dose %	Hib/MenC booster %	Pneumococcal Conjugate Vaccine (PCV) booster %
<b>England</b>			<b>689.4</b>	<b>96.3</b>	<b>95.1</b>	<b>92.3</b>	<b>92.7</b>	<b>92.5</b>
<b>Y54</b>	<b>North of England</b>	E40000001	<b>186.0</b>	<b>97.5</b>	<b>96.4</b>	<b>94.5</b>	<b>95.0</b>	<b>94.8</b>
Q44	Cheshire, Warrington and Wirral	E39000001	14.5	97.6	96.9	94.9	96.0	94.7
Q45	Durham, Darlington and Tees	E39000002	14.4	97.4	95.9	93.8	95.1	94.7
Q46	Greater Manchester	E39000003	37.0	97.5	95.5	95.1	94.3	94.5
Q47	Lancashire	E39000004	16.9	97.0	95.7	93.7	94.0	94.1
Q48	Merseyside	E39000005	14.2	97.3	95.5	95.5	96.1	95.6
Q49	Cumbria, Northumberland, Tyne and Wear	E39000006	21.6	98.2	97.7	94.8	96.0	95.5
Q50	North Yorkshire and Humber	E39000007	18.1	97.4	96.8	94.4	94.4	95.2
Q51	South Yorkshire and Bassetlaw	E39000008	17.9	97.1	96.9	93.0	94.3	93.5
Q52	West Yorkshire	E39000009	31.4	97.8	97.0	94.7	95.8	95.3
<b>Y55</b>	<b>Midlands and East Of England</b>	E40000002	<b>204.4</b>	<b>97.0</b>	<b>96.7</b>	<b>93.2</b>	<b>93.9</b>	<b>93.8</b>
Q53	Arden, Herefordshire and Worcestershire	E39000010	18.9	97.9	97.1	95.4	94.5	95.1
Q54	Birmingham and The Black Country	E39000011	34.8	95.1	95.2	90.1	88.9	90.3
Q55	Derbyshire and Nottinghamshire	E39000012	23.6	97.5	97.5	93.0	94.7	93.7
Q56	East Anglia	E39000013	28.7	96.6	96.7	92.4	93.8	93.2
Q57	Essex	E39000014	21.5	97.3	97.6	92.8	95.2	94.0
Q58	Hertfordshire and The South Midlands	E39000015	38.0	97.1	96.8	94.0	95.2	94.6
Q59	Leicestershire and Lincolnshire	E39000016	20.9	97.5	96.5	94.7	95.8	95.4
Q60	Shropshire and Staffordshire	E39000017	18.0	98.1	97.0	95.0	95.3	95.8
<b>Y56</b>	<b>London</b>	E40000003	<b>130.4</b>	<b>93.6</b>	<b>90.9</b>	<b>87.1</b>	<b>87.3</b>	<b>86.6</b>
Q71	London	E39000025	130.4	93.6	90.9	87.1	87.3	86.6
<b>Y57</b>	<b>South of England</b>	E40000004	<b>168.7</b>	<b>96.3</b>	<b>95.1</b>	<b>92.9</b>	<b>92.6</b>	<b>92.9</b>
Q64	Bath, Gloucestershire, Swindon and Wiltshire	E39000018	17.5	97.7	97.0	95.0	94.5	95.7
Q65	Bristol, North Somerset, Somerset and South Gloucestershire	E39000019	17.9	97.0	96.4	92.8	91.8	93.6
Q66	Devon, Cornwall and Isles Of Scilly	E39000020	18.4	97.2	96.5	92.9	92.6	93.0
Q67	Kent and Medway	E39000021	21.1	98.0	97.1	95.5	95.4	95.6
Q68	Surrey and Sussex	E39000022	33.1	93.2	91.7	89.1	89.3	88.1
Q69	Thames Valley	E39000023	28.7	96.5	94.6	93.6	93.3	93.4
Q70	Wessex	E39000024	31.9	96.4	95.3	93.5	93.2	93.7

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Table 12: Percentage of children immunised by their 5th birthday, by Strategic Health Authority, 2012-13

*percentages and thousands*

		Percentage immunised by their 5th birthday							
SHA Code	ONS Code	Number of children aged 5 (thousands) (=100%)	Diphtheria Tetanus, Polio	Hib	Diphtheria Tetanus, Polio, Pertussis	MMR	MMR	Hib/MenC	
			<i>primary</i> <sup>(1)</sup> %	<i>primary</i> <sup>(1)</sup> %	<i>booster</i> %	<i>1st dose</i> %	<i>1st and 2nd dose</i> %	<i>booster</i> %	
<b>England</b>		<b>672.4</b>	<b>95.8</b>	<b>95.4</b>	<b>88.9</b>	<b>93.9</b>	<b>87.7</b>	<b>91.5</b>	
Q30	North East	E18000001	30.0	97.8	97.6	93.0	96.2	91.7	94.7
Q31	North West	E18000002	86.5	97.1	96.2	91.3	95.9	90.7	91.6
Q32	Yorkshire and the Humber	E18000003	65.3	97.2	96.7	91.8	95.6	90.7	94.8
Q33	East Midlands	E18000004	54.3	97.3	96.7	91.4	95.0	89.7	94.1
Q34	West Midlands	E18000005	69.3	96.7	96.2	89.4	94.7	87.9	92.8
Q35	East of England	E18000006	73.9	96.1	95.7	90.8	93.2	89.0	93.6
Q36	London	E18000007	123.1	92.8	92.5	79.9	90.6	80.8	86.9
Q37	South East Coast	E18000008	54.2	93.6	93.6	90.6	92.2	85.9	87.3
Q38	South Central	E18000009	55.7	95.7	95.6	90.7	94.4	89.8	91.7
Q39	South West	E18000010	60.2	96.9	96.8	90.8	94.6	88.7	92.7

<sup>(1)</sup> Children reaching their 5th birthday would have routinely been offered protection against diphtheria, tetanus, pertussis, polio and Hib (Haemophilus influenzae type b) with DTaP/IPV/Hib vaccine, also known as '5 in 1' vaccine.

Source: COVER

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# NHS Immunisation Statistics, England 2012-13

Table 12a: Percentage of children immunised by their 5th birthday, by Primary Care Organisation, 2012-13

percentages and thousands

SHA & PCO Codes		ONS Code	Number of children aged 5 (thousands) (=100%)	Percentage immunised by their 5th birthday						
				Diphtheria Tetanus, Polio		Diphtheria Tetanus, Polio, Hib Pertussis		MMR	MMR	Hib/MenC
				primary <sup>(1)</sup> %	primary <sup>(1)</sup> %	booster %	1st dose %	1st and 2nd dose %	booster %	
<b>England</b>			<b>672.4</b>	<b>95.8</b>	<b>95.4</b>	<b>88.9</b>	<b>93.9</b>	<b>87.7</b>	<b>91.5</b>	
<b>Q30</b>	<b>North East</b>	<b>E18000001</b>	<b>30.0</b>	<b>97.8</b>	<b>97.6</b>	<b>93.0</b>	<b>96.2</b>	<b>91.7</b>	<b>94.7</b>	
5ND	County Durham PCT	E16000085	5.7	98.4	98.3	94.4	96.7	93.3	97.6	
5J9	Darlington PCT	E16000041	1.3	98.7	98.4	92.0	94.9	90.5	95.7	
5KF	Gateshead PCT	E16000050	2.2	98.1	97.9	91.0	96.5	89.5	87.8	
5D9	Hartlepool PCT <sup>(5)</sup>	E16000019	1.2	96.1	96.3	96.1	95.1	86.9	90.8	
5KM	Middlesbrough PCT	E16000053	2.0	95.2	95.2	91.0	94.7	90.0	92.0	
5D7	Newcastle PCT	E16000017	3.1	96.8	95.8	91.5	95.0	90.3	93.8	
5D8	North Tyneside PCT	E16000018	2.4	98.9	98.6	95.4	97.4	94.7	98.1	
TAC	Northumberland PCT	E17000001	3.4	97.8	97.6	93.2	96.3	92.1	96.6	
5QR	Redcar & Cleveland PCT	E16000146	1.5	97.7	97.7	93.1	96.6	91.5	95.4	
5KG	South Tyneside PCT	E16000051	1.6	99.0	98.9	95.0	96.7	93.0	85.3	
5KL	Sunderland Teaching PCT	E16000052	3.2	98.5	98.2	93.7	96.0	92.7	97.4	
5E1	Stockton-on-Tees Teaching PCT <sup>(6)</sup>	E16000020	2.4	97.5	97.0	89.1	96.8	89.8	94.6	
<b>Q31</b>	<b>North West</b>	<b>E18000002</b>	<b>86.5</b>	<b>97.1</b>	<b>96.2</b>	<b>91.3</b>	<b>95.9</b>	<b>90.7</b>	<b>91.6</b>	
5HG	Ashton, Leigh & Wigan PCT	E16000032	3.8	97.8	97.6	92.0	95.7	91.0	96.0	
TAP	Blackburn with Darwen Teaching PCT	E17000006	2.2	97.2	96.9	91.6	96.8	90.8	94.8	
5HP	Blackpool PCT	E16000033	1.5	96.8	96.5	85.2	94.7	84.9	91.3	
5HQ	Bolton PCT	E16000148	4.0	97.1	96.6	92.4	96.0	91.6	84.8	
5JX	Bury PCT	E16000043	2.4	96.8	96.8	91.8	95.8	91.5	92.1	
5NP	Central & Eastern Cheshire PCT	E16000095	5.4	97.3	94.5	91.5	95.8	90.5	91.3	
5NG	Central Lancashire PCT	E16000088	5.4	97.7	97.4	91.7	95.9	90.9	94.2	
5NE	Cumbria Teaching PCT	E16000086	5.2	98.2	98.0	92.8	96.7	91.7	91.5	
5NH	East Lancashire Teaching PCT	E16000089	4.4	97.6	97.3	89.3	96.4	87.6	95.3	
5NM	Halton & St Helens PCT	E16000093	3.7	97.6	92.2	90.1	96.6	91.6	92.3	
5NQ	Heywood, Middleton & Rochdale PCT	E16000096	3.1	95.4	95.4	93.0	95.3	92.4	92.2	
5J4	Knowsley PCT	E16000038	1.9	97.2	89.3	91.8	96.0	91.5	93.3	
5NL	Liverpool PCT	E16000092	5.2	97.3	96.8	92.7	97.3	91.5	88.6	
5NT	Manchester PCT	E16000149	6.9	95.5	94.8	87.9	93.9	87.2	87.7	
5NF	North Lancashire Teaching PCT	E16000087	3.1	97.0	96.7	86.5	94.9	88.2	92.9	
5J5	Oldham PCT	E16000039	3.4	97.2	97.2	91.5	96.5	95.2	92.9	
5F5	Salford PCT	E16000025	3.0	98.7	98.7	97.4	98.3	97.0	96.3	
5NJ	Sefton PCT	E16000090	2.8	97.3	97.2	92.0	96.5	89.9	90.5	
5F7	Stockport PCT	E16000026	3.3	97.6	97.5	92.6	96.5	91.1	89.5	
5LH	Tameside & Glossop PCT	E16000062	3.1	97.7	97.6	90.8	96.2	90.8	94.2	
5NR	Trafford PCT	E16000097	3.3	95.4	95.4	92.0	95.1	89.3	85.4	
5J2	Warrington PCT	E16000037	2.6	97.1	96.6	90.2	94.5	88.7	95.1	
5NN	Western Cheshire PCT	E16000094	2.8	94.2	90.9	90.8	93.7	90.1	90.0	
5NK	Wirral PCT	E16000091	3.8	97.2	97.2	92.9	97.4	91.6	92.1	
<b>Q32</b>	<b>Yorkshire &amp; the Humber</b>	<b>E18000003</b>	<b>65.3</b>	<b>97.2</b>	<b>96.7</b>	<b>91.8</b>	<b>95.6</b>	<b>90.7</b>	<b>94.8</b>	
5JE	Barnsley PCT	E16000042	2.9	98.9	98.6	95.1	97.1	94.1	98.0	
5NY	Bradford & Airedale Teaching PCT	E16000102	8.1	97.4	96.6	93.0	96.5	92.5	94.2	
5J6	Calderdale PCT	E16000040	2.7	97.3	96.8	91.2	95.3	90.0	95.0	
5N5	Doncaster PCT	E16000078	3.8	97.0	96.7	88.4	94.5	86.9	95.4	
5NW	East Riding of Yorkshire PCT	E16000100	3.0	97.8	97.5	93.0	95.3	91.0	95.5	
5NX	Hull Teaching PCT	E16000101	3.6	97.9	97.3	91.8	96.4	90.7	93.9	
5N2	Kirklees PCT	E16000075	5.6	98.2	97.8	94.5	97.2	94.0	97.0	
5N1	Leeds PCT	E16000074	9.5	97.0	96.3	90.6	95.1	89.6	94.7	
TAN	North East Lincolnshire PCT	E17000005	2.0	98.3	97.9	95.6	97.3	94.2	94.2	

# NHS Immunisation Statistics, England 2012-13

Table 12a: Percentage of children immunised by their 5th birthday, by Primary Care Organisation, 2012-13

percentages and thousands

SHA & PCO Codes		ONS Code	Number of children aged 5 (thousands) (=100%)	Percentage immunised by their 5th birthday						
				Diphtheria Tetanus, Polio		Diphtheria Tetanus, Polio, Hib		MMR		Hib/MenC
				primary <sup>(1)</sup> %	primary <sup>(1)</sup> %	booster %	1st dose %	1st and 2nd dose %	booster %	
<b>England</b>			<b>672.4</b>	<b>95.8</b>	<b>95.4</b>	<b>88.9</b>	<b>93.9</b>	<b>87.7</b>	<b>91.5</b>	
5EF	North Lincolnshire PCT	E16000021	2.0	97.2	96.6	91.7	95.3	90.3	95.3	
5NV	North Yorkshire & York PCT	E16000099	8.2	95.7	95.6	91.0	93.8	89.4	91.7	
5H8	Rotherham PCT	E16000031	3.2	95.7	95.3	92.0	94.5	91.2	95.0	
5N4	Sheffield PCT	E16000077	6.6	96.8	96.4	89.2	95.1	88.6	95.3	
5N3	Wakefield District PCT	E16000076	4.2	97.7	97.2	92.5	96.4	90.8	96.0	
<b>Q33</b>	<b>East Midlands</b>	<b>E18000004</b>	<b>54.3</b>	<b>97.3</b>	<b>96.7</b>	<b>91.4</b>	<b>95.0</b>	<b>89.7</b>	<b>94.1</b>	
5ET	Bassetlaw PCT	E16000023	1.2	96.7	96.1	85.3	93.4	82.9	93.0	
5N7	Derby City PCT	E16000080	3.9	96.9	96.2	89.4	94.6	88.0	93.8	
5N6	Derbyshire County PCT	E16000079	7.7	99.6	98.2	93.2	96.8	91.8	95.5	
5PC	Leicester City PCT	E16000113	4.9	98.1	97.1	94.6	96.4	93.1	93.4	
5PA	Leicestershire County & Rutland PCT	E16000112	7.6	98.8	98.2	95.2	96.7	93.5	96.1	
5N9	Lincolnshire Teaching PCT	E16000082	8.2	95.4	95.1	88.4	93.3	85.8	91.2	
5PD	Northamptonshire Teaching PCT	E16000114	9.0	96.3	95.9	92.5	94.1	90.5	93.9	
5EM	Nottingham City PCT	E16000022	4.1	94.6	93.6	84.7	91.8	83.4	91.4	
5N8	Nottinghamshire County Teaching PCT	E16000081	7.6	97.8	97.6	91.1	95.5	90.0	96.0	
<b>Q34</b>	<b>West Midlands</b>	<b>E18000005</b>	<b>69.3</b>	<b>96.7</b>	<b>96.2</b>	<b>89.4</b>	<b>94.7</b>	<b>87.9</b>	<b>92.8</b>	
5PG	Birmingham East & North PCT	E16000117	6.3	95.0	95.0	81.5	93.1	79.6	89.9	
5MD	Coventry Teaching PCT	E16000070	4.1	98.5	97.2	96.2	97.9	95.0	93.3	
5PE	Dudley PCT	E16000115	3.6	97.4	97.3	91.8	95.2	89.1	93.4	
5MX	Heart of Birmingham Teaching PCT	E16000073	5.0	94.0	93.7	83.1	94.2	82.6	90.0	
5CN	Herefordshire PCT	E16000015	2.0	94.7	95.1	84.0	91.7	81.3	86.8	
5PH	North Staffordshire PCT	E16000118	2.1	98.5	96.8	95.7	96.6	94.0	98.1	
5PF	Sandwell PCT	E16000116	4.4	97.0	96.2	82.4	94.0	87.5	95.4	
5M2	Shropshire County PCT	E16000065	3.1	97.4	97.4	95.0	95.9	93.4	96.0	
5QW	Solihull PCT	E16000151	2.6	96.3	96.3	91.0	91.9	88.2	94.7	
5M1	South Birmingham PCT	E16000064	4.5	95.2	95.2	84.0	93.5	82.0	90.6	
5PK	South Staffordshire PCT	E16000120	7.0	97.8	97.7	91.1	93.8	87.8	94.7	
5PJ	Stoke-on-Trent PCT	E16000119	3.8	97.4	93.8	93.5	96.2	92.5	97.4	
5MK	Telford & Wrekin PCT	E16000071	2.2	97.8	97.8	96.2	97.0	94.9	96.6	
5M3	Walsall Teaching PCT	E16000066	3.0	98.6	98.7	96.7	97.0	95.0	96.7	
5PM	Warwickshire PCT	E16000122	5.8	98.1	97.8	96.3	96.6	94.1	95.0	
5MV	Wolverhampton City PCT	E16000072	3.4	94.3	93.5	79.5	91.9	76.5	89.9	
5PL	Worcestershire PCT	E16000121	6.5	96.2	96.0	90.4	94.6	88.3	86.2	
<b>Q35</b>	<b>East of England</b>	<b>E18000006</b>	<b>73.9</b>	<b>96.1</b>	<b>95.7</b>	<b>90.8</b>	<b>93.2</b>	<b>89.0</b>	<b>93.6</b>	
5P2	Bedfordshire PCT	E16000104	5.5	98.3	97.8	93.5	95.2	92.1	95.6	
5PP	Cambridgeshire PCT	E16000124	7.5	95.0	94.6	88.2	92.5	87.0	93.3	
5PR	Great Yarmouth & Waveney PCT	E16000126	2.5	95.4	95.0	89.5	93.7	88.0	93.6	
5QV	Hertfordshire PCT	E16000150	15.5	95.0	94.8	92.9	92.7	90.9	93.6	
5GC	Luton PCT	E16000029	3.5	94.9	94.6	84.1	91.6	83.0	90.7	
5PX	Mid Essex PCT	E16000130	4.5	97.6	97.4	92.0	93.0	89.3	95.9	
5PQ	Norfolk PCT	E16000125	7.9	96.8	96.2	88.6	92.7	88.1	93.8	
5PW	North East Essex PCT	E16000129	3.6	96.3	95.6	89.6	93.1	88.0	91.8	
5PN	Peterborough PCT	E16000123	2.9	95.6	94.0	89.4	93.5	88.2	87.5	
5P1	South East Essex PCT	E16000103	4.0	96.7	96.5	93.1	94.3	91.1	95.8	
5PY	South West Essex PCT	E16000131	5.7	96.6	96.0	91.4	93.9	89.0	94.2	
5PT	Suffolk PCT	E16000127	7.0	96.5	96.1	92.4	93.4	89.6	93.2	
5PV	West Essex PCT	E16000128	3.9	96.6	96.1	90.1	92.5	87.2	94.3	

# NHS Immunisation Statistics, England 2012-13

Table 12a: Percentage of children immunised by their 5th birthday, by Primary Care Organisation, 2012-13

percentages and thousands

SHA & PCO Codes		ONS Code	Number of children aged 5 (thousands) (=100%)	Percentage immunised by their 5th birthday						
				Diphtheria Tetanus, Polio		Diphtheria Tetanus, Polio, Hib		MMR		Hib/MenC
				primary <sup>(1)</sup> %	primary <sup>(1)</sup> %	booster %	1st dose %	1st and 2nd dose %	booster %	
<b>England</b>			<b>672.4</b>	<b>95.8</b>	<b>95.4</b>	<b>88.9</b>	<b>93.9</b>	<b>87.7</b>	<b>91.5</b>	
<b>Q36</b>	<b>London</b>	<b>E18000007</b>	<b>123.1</b>	<b>92.8</b>	<b>92.5</b>	<b>79.9</b>	<b>90.6</b>	<b>80.8</b>	<b>86.9</b>	
5C2	Barking & Dagenham PCT	E16000009	3.8	93.1	93.6	85.9	92.7	85.0	89.5	
5A9	Barnet PCT <sup>(2)</sup>	E16000006	5.7	93.9	93.7	79.2	92.3	78.1	86.9	
TAK	Bexley PCT	E17000002	3.2	96.5	96.5	84.4	93.7	88.1	93.9	
5K5	Brent Teaching PCT	E16000045	4.5	96.0	90.1	88.1	94.4	88.4	91.0	
5A7	Bromley PCT	E16000004	4.4	96.5	96.5	83.8	94.0	87.5	91.6	
5K7	Camden PCT	E16000047	2.5	94.1	94.2	76.3	90.1	76.2	87.7	
5C3	City & Hackney Teaching PCT	E16000010	3.9	92.5	92.5	76.9	91.7	79.2	82.9	
5K9	Croydon PCT	E16000049	5.5	92.7	92.7	75.6	90.1	74.2	87.0	
5HX	Ealing PCT	E16000035	6.1	96.0	96.0	84.1	94.0	82.5	90.0	
5C1	Enfield PCT	E16000008	5.0	90.0	90.5	79.5	87.2	74.0	84.4	
5A8	Greenwich Teaching PCT	E16000005	4.3	93.3	93.8	81.9	91.3	88.5	85.9	
5H1	Hammersmith & Fulham PCT	E16000030	2.3	93.9	93.8	82.7	91.3	81.4	88.6	
5C9	Haringey Teaching PCT	E16000013	3.6	91.4	91.4	87.4	91.0	86.8	86.9	
5K6	Harrow PCT	E16000046	3.1	96.3	89.4	89.4	94.6	89.0	91.1	
5A4	Havering PCT	E16000002	3.1	93.2	93.5	89.0	90.7	87.1	91.2	
5AT	Hillingdon PCT	E16000007	4.1	95.6	95.5	90.2	93.6	89.0	91.8	
5HY	Hounslow PCT	E16000036	4.1	94.2	91.2	79.7	93.4	77.4	89.7	
5K8	Islington PCT	E16000048	2.3	96.5	96.5	86.6	94.7	86.1	91.5	
5LA	Kensington & Chelsea PCT	E16000056	1.8	89.5	89.5	73.6	87.7	72.9	77.8	
5A5	Kingston PCT	E16000003	2.7	95.2	94.8	82.9	91.8	83.7	87.2	
5LD	Lambeth PCT	E16000058	4.2	94.5	95.0	77.2	92.1	84.2	87.6	
5LF	Lewisham PCT	E16000060	4.3	90.1	90.1	70.7	86.3	70.9	83.5	
5C5	Newham PCT	E16000012	6.2	87.6	87.6	67.9	83.3	71.9	83.1	
5NA	Redbridge PCT	E16000083	4.3	93.1	93.2	82.4	90.9	80.1	87.1	
5M6	Richmond & Twickenham PCT	E16000067	3.0	95.3	95.5	79.0	91.4	79.5	87.0	
5LE	Southwark PCT	E16000059	4.2	92.8	93.2	70.0	89.0	78.9	86.2	
5M7	Sutton & Merton PCT <sup>(3)</sup>	E16000068	5.8	83.0	83.6	67.0	82.1	68.9	75.7	
5C4	Tower Hamlets PCT	E16000011	3.7	97.2	97.5	94.4	95.8	93.4	92.8	
5NC	Waltham Forest PCT	E16000084	4.3	93.3	93.0	82.6	90.5	81.6	86.1	
5LG	Wandsworth PCT <sup>(4)</sup>	E16000061	4.6	91.8	91.8	70.3	88.5	78.9	82.9	
5LC	Westminster PCT	E16000057	2.4	84.8	84.8	76.6	84.5	75.4	81.2	
<b>Q37</b>	<b>South East Coast</b>	<b>E18000008</b>	<b>54.2</b>	<b>93.6</b>	<b>93.6</b>	<b>90.6</b>	<b>92.2</b>	<b>85.9</b>	<b>87.3</b>	
5LQ	Brighton & Hove City PCT	E16000063	3.1	94.5	94.1	88.4	93.0	87.0	85.3	
5P7	East Sussex Downs & Weald PCT	E16000109	3.5	95.0	95.0	88.0	93.4	86.4	82.6	
5QA	Eastern & Coastal Kent PCT	E16000132	8.6	97.4	97.4	93.9	95.8	92.0	94.5	
5P8	Hastings & Rother PCT	E16000110	2.0	93.5	93.3	89.2	93.4	87.6	87.3	
5L3	Medway PCT	E16000055	3.4	95.4	95.4	94.6	94.0	89.8	93.5	
5P5	Surrey PCT	E16000107	15.6	89.1	89.5	87.0	86.3	76.4	83.4	
5P9	West Kent PCT	E16000111	8.4	96.1	95.8	95.3	96.1	92.4	93.7	
5P6	West Sussex PCT	E16000108	9.5	93.9	93.7	90.2	93.7	88.0	81.8	
<b>Q38</b>	<b>South Central</b>	<b>E18000009</b>	<b>55.7</b>	<b>95.7</b>	<b>95.6</b>	<b>90.7</b>	<b>94.4</b>	<b>89.8</b>	<b>91.7</b>	
5QG	Berkshire East PCT	E16000137	6.2	93.3	93.6	82.4	91.9	82.3	90.2	
5QF	Berkshire West PCT	E16000136	6.9	95.5	95.4	92.1	95.1	90.9	91.1	
5QD	Buckinghamshire PCT	E16000134	7.1	96.5	96.5	93.9	95.5	91.9	96.0	
5QC	Hampshire PCT	E16000133	16.1	95.3	95.4	91.7	93.3	90.4	89.6	
5QT	Isle of Wight NHS PCT	E16000147	1.4	95.1	87.1	79.3	93.1	84.3	87.8	

# NHS Immunisation Statistics, England 2012-13

Table 12a: Percentage of children immunised by their 5th birthday, by Primary Care Organisation, 2012-13

percentages and thousands

SHA & PCO Codes		ONS Code	Number of children aged 5 (thousands) (=100%)	Percentage immunised by their 5th birthday						
				Diphtheria Tetanus, Polio		Diphtheria Tetanus, Polio, Hib		MMR		Hib/MenC
				primary <sup>(1)</sup> %	primary <sup>(1)</sup> %	booster %	1st dose %	1st and 2nd dose %	booster %	
<b>England</b>			<b>672.4</b>	<b>95.8</b>	<b>95.4</b>	<b>88.9</b>	<b>93.9</b>	<b>87.7</b>	<b>91.5</b>	
5CQ	Milton Keynes PCT	E16000016	4.1	96.4	96.1	90.9	94.8	89.9	92.1	
5QE	Oxfordshire PCT	E16000135	8.2	97.9	98.2	94.3	96.8	93.2	95.0	
5FE	Portsmouth City Teaching PCT	E16000027	2.7	95.0	95.2	86.1	92.9	85.2	91.7	
5L1	Southampton City PCT	E16000054	3.2	95.9	95.6	91.6	95.3	91.2	90.5	
<b>Q39</b>	<b>South West</b>	<b>E18000010</b>	<b>60.2</b>	<b>96.9</b>	<b>96.8</b>	<b>90.8</b>	<b>94.6</b>	<b>88.7</b>	<b>92.7</b>	
5FL	Bath & North East Somerset PCT	E16000028	2.0	97.7	97.4	91.6	94.9	88.5	93.4	
5QN	Bournemouth & Poole Teaching PCT	E16000143	3.9	97.6	97.8	89.9	95.2	88.1	94.9	
5QJ	Bristol PCT	E16000139	5.7	96.2	95.5	85.2	93.1	83.1	90.5	
5QP	Cornwall & Isles of Scilly PCT	E16000144	5.7	97.1	96.8	91.4	95.1	89.5	92.4	
5QQ	Devon PCT	E16000145	7.8	96.8	96.7	90.1	93.8	87.8	92.4	
5QM	Dorset PCT	E16000142	3.9	97.4	97.5	93.8	94.7	91.2	94.6	
5QH	Gloucestershire PCT	E16000138	6.1	95.2	95.6	93.1	93.8	91.4	90.9	
5M8	North Somerset PCT	E16000069	2.5	98.3	98.1	92.7	95.9	89.8	94.1	
5F1	Plymouth Teaching PCT	E16000024	3.3	97.2	97.2	87.1	95.4	86.0	93.2	
5QL	Somerset PCT	E16000141	6.0	96.4	96.5	90.9	94.4	88.8	90.7	
5A3	South Gloucestershire PCT	E16000001	3.2	98.7	98.3	94.1	96.7	91.6	96.2	
5K3	Swindon PCT	E16000044	3.0	98.5	97.6	92.2	95.9	90.2	93.7	
TAL	Torbay PCT	E17000003	1.5	97.2	97.4	88.4	94.5	86.4	93.2	
5QK	Wiltshire PCT	E16000140	5.6	96.6	96.6	91.5	94.9	89.5	92.9	

<sup>(1)</sup> Children reaching their 5th birthday would have routinely been offered protection against diphtheria, tetanus, pertussis, polio and Hib (Haemophilus influenzae type b) with DTaP/IPV/Hib vaccine, also known as '5 in 1' vaccine.

<sup>(2)</sup> Barnet PCT has reported some missing GP practice data which may have impacted on the percentage of children immunised in 2012-13.

<sup>(3)</sup> Due to possible exclusion of data from the 2012-13 COVER submission for Sutton and Merton PCT, the percentage of children immunised may be higher than reported.

<sup>(4)</sup> Wandsworth PCT has reported some missing GP practice data resulting in lower coverage figures for 2012-13.

<sup>(5)</sup> Hartlepool PCT was unable to submit a complete data set for a small number of GP practices in 2012-13. The impact of this missing data is expected to be minimal.

<sup>(6)</sup> Stockton-on-Tees Teaching PCT was unable to submit a complete data set for a small number of GP practices in 2012-13. The impact of this missing data is expected to be minimal.

# NHS Immunisation Statistics, England 2012-13

Table 12b: Number of children immunised by their 5th birthday, by Primary Care Organisation, 2012-13

SHA & PCO Codes		ONS Code	Number of children aged 5	Number immunised by their 5th birthday						
				Diphtheria Tetanus, Polio		Diphtheria Tetanus, Polio, Hib		MMR	MMR	Hib/MenC
				<i>primary</i> <sup>(1)</sup>	<i>primary</i> <sup>(1)</sup>	<i>booster</i>	<i>1st dose</i>	<i>1st and 2nd dose</i>	<i>booster</i>	
<b>England</b>			<b>672,445</b>	<b>644,255</b>	<b>641,475</b>	<b>598,138</b>	<b>631,257</b>	<b>589,859</b>	<b>615,216</b>	
<b>Q30</b>	<b>North East</b>	<b>E18000001</b>	<b>29,958</b>	<b>29,309</b>	<b>29,230</b>	<b>27,865</b>	<b>28,818</b>	<b>27,462</b>	<b>28,361</b>	
5ND	County Durham PCT	E16000085	5,733	5,642	5,634	5,414	5,546	5,351	5,594	
5J9	Darlington PCT	E16000041	1,254	1,238	1,234	1,154	1,190	1,135	1,200	
5KF	Gateshead PCT	E16000050	2,157	2,116	2,111	1,962	2,082	1,931	1,893	
5D9	Hartlepool PCT <sup>(5)</sup>	E16000019	1,185	1,139	1,141	1,139	1,127	1,030	1,076	
5KM	Middlesbrough PCT	E16000053	1,952	1,858	1,858	1,776	1,848	1,756	1,796	
5D7	Newcastle PCT	E16000017	3,145	3,044	3,014	2,877	2,989	2,840	2,951	
5D8	North Tyneside PCT	E16000018	2,435	2,407	2,402	2,322	2,371	2,307	2,388	
TAC	Northumberland PCT	E17000001	3,369	3,296	3,288	3,139	3,245	3,104	3,254	
5QR	Redcar & Cleveland PCT	E16000146	1,489	1,455	1,455	1,387	1,439	1,362	1,421	
5KG	South Tyneside PCT	E16000051	1,623	1,606	1,605	1,542	1,570	1,510	1,385	
5KL	Sunderland Teaching PCT	E16000052	3,216	3,169	3,159	3,014	3,087	2,982	3,132	
5E1	Stockton-on-Tees Teaching PCT <sup>(6)</sup>	E16000020	2,400	2,339	2,329	2,139	2,324	2,154	2,271	
<b>Q31</b>	<b>North West</b>	<b>E18000002</b>	<b>86,455</b>	<b>83,915</b>	<b>83,130</b>	<b>78,937</b>	<b>82,941</b>	<b>78,396</b>	<b>79,161</b>	
5HG	Ashton, Leigh & Wigan PCT	E16000032	3,779	3,695	3,687	3,475	3,616	3,440	3,626	
TAP	Blackburn with Darwen Teaching PCT	E17000006	2,228	2,166	2,160	2,041	2,156	2,024	2,112	
5HP	Blackpool PCT	E16000033	1,498	1,450	1,446	1,277	1,419	1,272	1,368	
5HQ	Bolton PCT	E16000148	3,978	3,861	3,844	3,674	3,818	3,645	3,375	
5JX	Bury PCT	E16000043	2,441	2,363	2,363	2,242	2,339	2,234	2,247	
5NP	Central & Eastern Cheshire PCT	E16000095	5,381	5,238	5,084	4,926	5,155	4,871	4,915	
5NG	Central Lancashire PCT	E16000088	5,378	5,256	5,236	4,932	5,156	4,890	5,064	
5NE	Cumbria Teaching PCT	E16000086	5,233	5,140	5,128	4,855	5,058	4,799	4,788	
5NH	East Lancashire Teaching PCT	E16000089	4,356	4,251	4,240	3,889	4,198	3,815	4,150	
5NM	Halton & St Helens PCT	E16000093	3,708	3,620	3,418	3,341	3,581	3,395	3,421	
5NQ	Heywood, Middleton & Rochdale PCT	E16000096	3,126	2,982	2,982	2,907	2,978	2,887	2,883	
5J4	Knowsley PCT	E16000038	1,916	1,862	1,711	1,759	1,840	1,754	1,787	
5NL	Liverpool PCT	E16000092	5,217	5,077	5,051	4,834	5,074	4,773	4,620	
5NT	Manchester PCT	E16000149	6,929	6,614	6,568	6,090	6,507	6,043	6,077	
5NF	North Lancashire Teaching PCT	E16000087	3,109	3,017	3,006	2,690	2,949	2,742	2,888	
5J5	Oldham PCT	E16000039	3,410	3,315	3,315	3,121	3,292	3,246	3,169	
5F5	Salford PCT	E16000025	3,029	2,989	2,989	2,949	2,978	2,938	2,917	
5NJ	Sefton PCT	E16000090	2,843	2,767	2,764	2,615	2,744	2,555	2,572	
5F7	Stockport PCT	E16000026	3,284	3,205	3,201	3,042	3,169	2,993	2,938	
5LH	Tameside & Glossop PCT	E16000062	3,078	3,008	3,004	2,794	2,962	2,794	2,898	
5NR	Trafford PCT	E16000097	3,263	3,114	3,113	3,002	3,104	2,913	2,788	
5J2	Warrington PCT	E16000037	2,617	2,540	2,528	2,361	2,472	2,322	2,488	
5NN	Western Cheshire PCT	E16000094	2,806	2,643	2,552	2,547	2,628	2,527	2,525	
5NK	Wirral PCT	E16000091	3,848	3,742	3,740	3,574	3,748	3,524	3,545	
<b>Q32</b>	<b>Yorkshire &amp; the Humber</b>	<b>E18000003</b>	<b>65,318</b>	<b>63,480</b>	<b>63,175</b>	<b>59,960</b>	<b>62,417</b>	<b>59,256</b>	<b>61,936</b>	
5JE	Barnsley PCT	E16000042	2,868	2,837	2,829	2,727	2,784	2,699	2,810	
5NY	Bradford & Airedale Teaching PCT	E16000102	8,084	7,871	7,809	7,520	7,801	7,479	7,615	
5J6	Calderdale PCT	E16000040	2,712	2,640	2,625	2,472	2,585	2,442	2,577	
5N5	Doncaster PCT	E16000078	3,811	3,698	3,685	3,369	3,601	3,310	3,637	
5NW	East Riding of Yorkshire PCT	E16000100	3,027	2,960	2,952	2,816	2,886	2,754	2,890	
5NX	Hull Teaching PCT	E16000101	3,592	3,518	3,495	3,299	3,461	3,259	3,374	
5N2	Kirklees PCT	E16000075	5,633	5,534	5,509	5,326	5,475	5,297	5,465	
5N1	Leeds PCT	E16000074	9,502	9,217	9,152	8,608	9,037	8,518	8,997	
TAN	North East Lincolnshire PCT	E17000005	1,960	1,926	1,918	1,874	1,907	1,846	1,847	

# NHS Immunisation Statistics, England 2012-13

Table 12b: Number of children immunised by their 5th birthday, by Primary Care Organisation, 2012-13

		numbers							
		Number immunised by their 5th birthday							
SHA & PCO Codes	ONS Code	Number of children aged 5	Diphtheria Tetanus, Polio		Diphtheria Tetanus, Polio, Hib		MMR		Hib/MenC
			<i>primary</i> <sup>(1)</sup>	<i>primary</i> <sup>(1)</sup>	<i>booster</i>	<i>1st dose</i>	<i>1st and 2nd dose</i>	<i>booster</i>	
<b>England</b>		<b>672,445</b>	<b>644,255</b>	<b>641,475</b>	<b>598,138</b>	<b>631,257</b>	<b>589,859</b>	<b>615,216</b>	
5EF	North Lincolnshire PCT	E16000021	1,962	1,907	1,896	1,799	1,869	1,772	1,869
5NV	North Yorkshire & York PCT	E16000099	8,165	7,815	7,806	7,432	7,659	7,301	7,488
5H8	Rotherham PCT	E16000031	3,195	3,059	3,045	2,940	3,019	2,915	3,036
5N4	Sheffield PCT	E16000077	6,645	6,433	6,407	5,929	6,319	5,885	6,336
5N3	Wakefield District PCT	E16000076	4,162	4,065	4,047	3,849	4,014	3,779	3,995
<b>Q33</b>	<b>East Midlands</b>	<b>E18000004</b>	<b>54,309</b>	<b>52,830</b>	<b>52,491</b>	<b>49,637</b>	<b>51,579</b>	<b>48,698</b>	<b>51,086</b>
5ET	Bassetlaw PCT	E16000023	1,241	1,200	1,193	1,058	1,159	1,029	1,154
5N7	Derby City PCT	E16000080	3,913	3,792	3,766	3,498	3,703	3,442	3,671
5N6	Derbyshire County PCT	E16000079	7,699	7,666	7,559	7,174	7,451	7,066	7,350
5PC	Leicester City PCT	E16000113	4,928	4,836	4,785	4,664	4,751	4,588	4,604
5PA	Leicestershire County & Rutland PCT	E16000112	7,644	7,552	7,510	7,278	7,390	7,149	7,347
5N9	Lincolnshire Teaching PCT	E16000082	8,190	7,814	7,792	7,243	7,639	7,025	7,472
5PD	Northamptonshire Teaching PCT	E16000114	9,025	8,687	8,658	8,351	8,495	8,165	8,474
5EM	Nottingham City PCT	E16000022	4,058	3,840	3,799	3,436	3,725	3,386	3,709
5N8	Nottinghamshire County Teaching PCT	E16000081	7,611	7,443	7,429	6,935	7,266	6,848	7,305
<b>Q34</b>	<b>West Midlands</b>	<b>E18000005</b>	<b>69,267</b>	<b>66,949</b>	<b>66,616</b>	<b>61,938</b>	<b>65,601</b>	<b>60,866</b>	<b>64,269</b>
5PG	Birmingham East & North PCT	E16000117	6,260	5,949	5,949	5,101	5,830	4,980	5,625
5MD	Coventry Teaching PCT	E16000070	4,074	4,012	3,958	3,919	3,987	3,871	3,800
5PE	Dudley PCT	E16000115	3,600	3,508	3,502	3,304	3,427	3,207	3,363
5MX	Heart of Birmingham Teaching PCT	E16000073	5,027	4,726	4,710	4,177	4,734	4,153	4,524
5CN	Herefordshire PCT	E16000015	1,956	1,853	1,861	1,644	1,793	1,590	1,698
5PH	North Staffordshire PCT	E16000118	2,149	2,116	2,080	2,057	2,075	2,019	2,108
5PF	Sandwell PCT	E16000116	4,422	4,290	4,255	3,645	4,156	3,871	4,219
5M2	Shropshire County PCT	E16000065	3,099	3,018	3,018	2,943	2,973	2,893	2,974
5QW	Solihull PCT	E16000151	2,586	2,491	2,491	2,352	2,376	2,282	2,449
5M1	South Birmingham PCT	E16000064	4,466	4,252	4,253	3,750	4,176	3,663	4,046
5PK	South Staffordshire PCT	E16000120	6,962	6,810	6,803	6,345	6,529	6,111	6,590
5PJ	Stoke-on-Trent PCT	E16000119	3,833	3,734	3,596	3,584	3,687	3,544	3,735
5MK	Telford & Wrekin PCT	E16000071	2,187	2,139	2,139	2,103	2,121	2,076	2,112
5M3	Walsall Teaching PCT	E16000066	3,028	2,985	2,988	2,927	2,936	2,878	2,928
5PM	Warwickshire PCT	E16000122	5,759	5,648	5,631	5,545	5,565	5,420	5,473
5MV	Wolverhampton City PCT	E16000072	3,383	3,191	3,164	2,689	3,110	2,587	3,040
5PL	Worcestershire PCT	E16000121	6,476	6,227	6,218	5,853	6,126	5,721	5,585
<b>Q35</b>	<b>East of England</b>	<b>E18000006</b>	<b>73,948</b>	<b>71,088</b>	<b>70,752</b>	<b>67,169</b>	<b>68,885</b>	<b>65,829</b>	<b>69,208</b>
5P2	Bedfordshire PCT	E16000104	5,531	5,437	5,409	5,172	5,268	5,094	5,285
5PP	Cambridgeshire PCT	E16000124	7,469	7,097	7,065	6,585	6,910	6,498	6,969
5PR	Great Yarmouth & Waveney PCT	E16000126	2,451	2,338	2,328	2,194	2,297	2,157	2,295
5QV	Hertfordshire PCT	E16000150	15,472	14,691	14,662	14,380	14,349	14,059	14,489
5GC	Luton PCT	E16000029	3,530	3,351	3,339	2,969	3,233	2,931	3,203
5PX	Mid Essex PCT	E16000130	4,514	4,407	4,396	4,153	4,199	4,031	4,331
5PQ	Norfolk PCT	E16000125	7,871	7,617	7,575	6,975	7,294	6,936	7,384
5PW	North East Essex PCT	E16000129	3,645	3,510	3,483	3,265	3,393	3,208	3,345
5PN	Peterborough PCT	E16000123	2,878	2,750	2,706	2,574	2,690	2,537	2,518
5P1	South East Essex PCT	E16000103	3,984	3,854	3,844	3,709	3,755	3,629	3,816
5PY	South West Essex PCT	E16000131	5,703	5,511	5,473	5,213	5,353	5,074	5,372
5PT	Suffolk PCT	E16000127	7,038	6,795	6,760	6,501	6,571	6,308	6,561
5PV	West Essex PCT	E16000128	3,862	3,730	3,712	3,479	3,573	3,367	3,640

# NHS Immunisation Statistics, England 2012-13

Table 12b: Number of children immunised by their 5th birthday, by Primary Care Organisation, 2012-13

		Number immunised by their 5th birthday							numbers
SHA & PCO Codes	ONS Code	Number of children aged 5	Diphtheria Tetanus, Polio	Diphtheria Tetanus, Polio, Hib	Diphtheria Tetanus, Polio, Hib, Pertussis	MMR	MMR	Hib/MenC	
			<i>primary</i> <sup>(1)</sup>	<i>primary</i> <sup>(1)</sup>	<i>booster</i>	<i>1st dose</i>	<i>1st and 2nd dose</i>	<i>booster</i>	
<b>England</b>		<b>672,445</b>	<b>644,255</b>	<b>641,475</b>	<b>598,138</b>	<b>631,257</b>	<b>589,859</b>	<b>615,216</b>	
<b>Q36 London</b>	<b>E18000007</b>	<b>123,053</b>	<b>114,232</b>	<b>113,766</b>	<b>98,306</b>	<b>111,461</b>	<b>99,388</b>	<b>106,952</b>	
5C2 Barking & Dagenham PCT	E16000009	3,812	3,548	3,567	3,274	3,533	3,242	3,413	
5A9 Barnet PCT <sup>(2)</sup>	E16000006	5,734	5,382	5,374	4,539	5,291	4,480	4,985	
TAK Bexley PCT	E17000002	3,160	3,049	3,049	2,667	2,962	2,785	2,968	
5K5 Brent Teaching PCT	E16000045	4,503	4,325	4,057	3,968	4,251	3,980	4,098	
5A7 Bromley PCT	E16000004	4,359	4,208	4,208	3,651	4,099	3,815	3,993	
5K7 Camden PCT	E16000047	2,524	2,374	2,377	1,926	2,275	1,924	2,213	
5C3 City & Hackney Teaching PCT	E16000010	3,867	3,578	3,578	2,975	3,545	3,064	3,207	
5K9 Croydon PCT	E16000049	5,528	5,124	5,124	4,181	4,978	4,103	4,811	
5HX Ealing PCT	E16000035	6,080	5,838	5,838	5,114	5,718	5,017	5,473	
5C1 Enfield PCT	E16000008	5,017	4,516	4,540	3,990	4,373	3,712	4,235	
5A8 Greenwich Teaching PCT	E16000005	4,264	3,977	3,999	3,494	3,895	3,773	3,663	
5H1 Hammersmith & Fulham PCT	E16000030	2,272	2,133	2,132	1,878	2,074	1,850	2,014	
5C9 Haringey Teaching PCT	E16000013	3,623	3,312	3,312	3,167	3,297	3,143	3,149	
5K6 Harrow PCT	E16000046	3,115	2,999	2,786	2,786	2,948	2,773	2,838	
5A4 Havering PCT	E16000002	3,129	2,916	2,926	2,785	2,838	2,724	2,855	
5AT Hillingdon PCT	E16000007	4,096	3,917	3,913	3,696	3,833	3,646	3,759	
5HY Hounslow PCT	E16000036	4,149	3,909	3,784	3,306	3,876	3,213	3,722	
5K8 Islington PCT	E16000048	2,303	2,223	2,223	1,995	2,180	1,983	2,108	
5LA Kensington & Chelsea PCT	E16000056	1,814	1,624	1,624	1,336	1,590	1,323	1,412	
5A5 Kingston PCT	E16000003	2,692	2,563	2,552	2,233	2,472	2,252	2,348	
5LD Lambeth PCT	E16000058	4,172	3,942	3,962	3,221	3,843	3,512	3,654	
5LF Lewisham PCT	E16000060	4,292	3,866	3,866	3,034	3,704	3,042	3,583	
5C5 Newham PCT	E16000012	6,201	5,429	5,429	4,209	5,168	4,457	5,151	
5NA Redbridge PCT	E16000083	4,319	4,022	4,025	3,558	3,926	3,459	3,760	
5M6 Richmond & Twickenham PCT	E16000067	2,986	2,845	2,853	2,359	2,728	2,373	2,599	
5LE Southwark PCT	E16000059	4,172	3,870	3,890	2,919	3,712	3,293	3,596	
5M7 Sutton & Merton PCT <sup>(3)</sup>	E16000068	5,835	4,844	4,879	3,912	4,789	4,018	4,419	
5C4 Tower Hamlets PCT	E16000011	3,671	3,567	3,581	3,465	3,517	3,430	3,408	
5NC Waltham Forest PCT	E16000084	4,325	4,036	4,022	3,571	3,914	3,531	3,723	
5LG Wandsworth PCT <sup>(4)</sup>	E16000061	4,647	4,267	4,267	3,265	4,111	3,668	3,852	
5LC Westminster PCT	E16000057	2,392	2,029	2,029	1,832	2,021	1,803	1,943	
<b>Q37 South East Coast</b>	<b>E18000008</b>	<b>54,197</b>	<b>50,729</b>	<b>50,729</b>	<b>49,126</b>	<b>49,983</b>	<b>46,553</b>	<b>47,310</b>	
5LQ Brighton & Hove City PCT	E16000063	3,133	2,962	2,949	2,770	2,915	2,726	2,672	
5P7 East Sussex Downs & Weald PCT	E16000109	3,539	3,363	3,361	3,116	3,304	3,058	2,922	
5QA Eastern & Coastal Kent PCT	E16000132	8,610	8,386	8,382	8,083	8,251	7,918	8,133	
5P8 Hastings & Rother PCT	E16000110	1,962	1,834	1,830	1,750	1,832	1,718	1,713	
5L3 Medway PCT	E16000055	3,388	3,232	3,233	3,204	3,185	3,043	3,168	
5P5 Surrey PCT	E16000107	15,624	13,924	13,989	13,595	13,486	11,930	13,030	
5P9 West Kent PCT	E16000111	8,410	8,083	8,055	8,012	8,080	7,768	7,880	
5P6 West Sussex PCT	E16000108	9,531	8,945	8,930	8,596	8,930	8,392	7,792	
<b>Q38 South Central</b>	<b>E18000009</b>	<b>55,741</b>	<b>53,362</b>	<b>53,289</b>	<b>50,564</b>	<b>52,595</b>	<b>50,035</b>	<b>51,140</b>	
5QG Berkshire East PCT	E16000137	6,220	5,806	5,821	5,124	5,717	5,118	5,608	
5QF Berkshire West PCT	E16000136	6,857	6,546	6,542	6,313	6,524	6,234	6,245	
5QD Buckinghamshire PCT	E16000134	7,065	6,821	6,821	6,633	6,748	6,492	6,783	
5QC Hampshire PCT	E16000133	16,087	15,329	15,348	14,745	15,007	14,538	14,421	
5QT Isle of Wight NHS PCT	E16000147	1,364	1,297	1,188	1,081	1,270	1,150	1,197	

# NHS Immunisation Statistics, England 2012-13

Table 12b: Number of children immunised by their 5th birthday, by Primary Care Organisation, 2012-13

		numbers							
		Number immunised by their 5th birthday							
SHA & PCO Codes	ONS Code	Number of children aged 5	Diphtheria Tetanus, Polio	Diphtheria Tetanus, Polio, Hib	Diphtheria Tetanus, Polio, Pertussis	MMR	MMR	Hib/MenC	
			<i>primary</i> <sup>(1)</sup>	<i>primary</i> <sup>(1)</sup>	<i>booster</i>	<i>1st dose</i>	<i>1st and 2nd dose</i>	<i>booster</i>	
<b>England</b>		<b>672,445</b>	<b>644,255</b>	<b>641,475</b>	<b>598,138</b>	<b>631,257</b>	<b>589,859</b>	<b>615,216</b>	
5CQ	Milton Keynes PCT	E16000016	4,116	3,969	3,957	3,742	3,903	3,701	3,792
5QE	Oxfordshire PCT	E16000135	8,164	7,991	8,013	7,697	7,900	7,610	7,753
5FE	Portsmouth City Teaching PCT	E16000027	2,665	2,531	2,536	2,295	2,475	2,270	2,443
5L1	Southampton City PCT	E16000054	3,203	3,072	3,063	2,934	3,051	2,922	2,898
<b>Q39</b>	<b>South West</b>	<b>E18000010</b>	<b>60,199</b>	<b>58,361</b>	<b>58,297</b>	<b>54,636</b>	<b>56,977</b>	<b>53,376</b>	<b>55,793</b>
5FL	Bath & North East Somerset PCT	E16000028	2,013	1,966	1,961	1,844	1,910	1,782	1,881
5QN	Bournemouth & Poole Teaching PCT	E16000143	3,906	3,812	3,820	3,512	3,720	3,441	3,707
5QJ	Bristol PCT	E16000139	5,745	5,524	5,489	4,893	5,347	4,773	5,199
5QP	Cornwall & Isles of Scilly PCT	E16000144	5,711	5,543	5,530	5,217	5,430	5,111	5,275
5QQ	Devon PCT	E16000145	7,827	7,578	7,565	7,050	7,343	6,872	7,234
5QM	Dorset PCT	E16000142	3,876	3,775	3,781	3,635	3,669	3,534	3,665
5QH	Gloucestershire PCT	E16000138	6,129	5,834	5,858	5,705	5,747	5,600	5,570
5M8	North Somerset PCT	E16000069	2,467	2,426	2,419	2,287	2,365	2,215	2,322
5F1	Plymouth Teaching PCT	E16000024	3,264	3,171	3,174	2,843	3,115	2,806	3,043
5QL	Somerset PCT	E16000141	5,964	5,752	5,758	5,422	5,632	5,294	5,408
5A3	South Gloucestershire PCT	E16000001	3,220	3,178	3,166	3,031	3,114	2,951	3,098
5K3	Swindon PCT	E16000044	3,024	2,978	2,951	2,788	2,899	2,728	2,833
TAL	Torbay PCT	E17000003	1,465	1,424	1,427	1,295	1,384	1,266	1,366
5QK	Wiltshire PCT	E16000140	5,588	5,400	5,398	5,114	5,302	5,003	5,192

<sup>(1)</sup> Children reaching their 5th birthday would have routinely been offered protection against diphtheria, tetanus, pertussis, polio and Hib (Haemophilus influenzae type b) with DTaP/IPV/Hib vaccine, also known as '5 in 1' vaccine.

<sup>(2)</sup> Barnet PCT has reported some missing GP practice data which may have impacted on the percentage of children immunised in 2012-13.

<sup>(3)</sup> Due to possible exclusion of data from the 2012-13 COVER submission for Sutton and Merton PCT, the percentage of children immunised may be higher than reported.

<sup>(4)</sup> Wandsworth PCT has reported some missing GP practice data resulting in lower coverage figures for 2012-13.

<sup>(5)</sup> Hartlepool PCT was unable to submit a complete data set for a small number of GP practices in 2012-13. The impact of this missing data is expected to be minimal.

<sup>(6)</sup> Stockton-on-Tees Teaching PCT was unable to submit a complete data set for a small number of GP practices in 2012-13. The impact of this missing data is expected to be minimal.



# NHS Immunisation Statistics, England 2012-13

Table 12c: Percentage of children immunised by their 5th birthday, by Area Team, 2012-13

percentages and thousands

Region & Area Team Codes		ONS Code	Percentage immunised by their 5th birthday							
			Number of children aged 5 (thousands) (=100%)	Diphtheria Tetanus, Polio		Diphtheria Tetanus, Polio, Hib		MMR	MMR	Hib/MenC
				primary <sup>(1)</sup>	primary <sup>(1)</sup>	booster	1st dose	1st and 2nd dose	booster	
										%
<b>England</b>			<b>672.4</b>	<b>95.8</b>	<b>95.4</b>	<b>88.9</b>	<b>93.9</b>	<b>87.7</b>	<b>91.5</b>	
<b>Y54</b>	<b>North of England</b>	E40000001	<b>183.0</b>	<b>97.2</b>	<b>96.6</b>	<b>91.7</b>	<b>95.8</b>	<b>90.8</b>	<b>93.2</b>	
Q44	Cheshire, Warrington and Wirral	E39000001	14.7	96.7	94.9	91.5	95.6	90.4	92.0	
Q45	Durham, Darlington and Tees	E39000002	14.0	97.6	97.4	92.8	96.2	91.3	95.3	
Q46	Greater Manchester	E39000003	36.3	96.8	96.6	91.7	95.7	91.2	90.6	
Q47	Lancashire	E39000004	16.6	97.4	97.1	89.5	95.8	89.0	94.0	
Q48	Merseyside	E39000005	13.7	97.4	94.6	91.7	96.7	91.2	90.6	
Q49	Cumbria, Northumberland, Tyne and Wear	E39000006	21.2	98.1	97.8	93.1	96.3	91.9	93.4	
Q50	North Yorkshire and Humber	E39000007	18.2	96.9	96.6	92.1	95.1	90.5	93.4	
Q51	South Yorkshire and Bassetlaw	E39000008	17.8	97.0	96.6	90.2	95.1	89.2	95.6	
Q52	West Yorkshire	E39000009	30.6	97.4	96.8	92.3	96.0	91.4	95.1	
<b>Y55</b>	<b>Midlands and East Of England</b>	E40000002	<b>200.4</b>	<b>96.6</b>	<b>96.1</b>	<b>90.5</b>	<b>94.2</b>	<b>88.9</b>	<b>93.4</b>	
Q53	Arden, Herefordshire and Worcestershire	E39000010	18.3	97.1	96.7	92.9	95.7	90.9	90.6	
Q54	Birmingham and The Black Country	E39000011	32.8	95.8	95.5	85.3	93.8	84.3	92.1	
Q55	Derbyshire and Nottinghamshire	E39000012	23.3	97.7	96.9	90.4	95.1	89.1	94.6	
Q56	East Anglia	E39000013	28.2	96.0	95.4	89.7	93.0	88.2	92.9	
Q57	Essex	E39000014	21.7	96.8	96.3	91.3	93.4	88.9	94.5	
Q58	Hertfordshire and The South Midlands	E39000015	37.2	95.9	95.6	91.9	93.6	90.1	93.5	
Q59	Leicestershire and Lincolnshire	E39000016	20.7	97.3	96.8	92.4	95.3	90.4	93.6	
Q60	Shropshire and Staffordshire	E39000017	18.2	97.7	96.7	93.4	95.4	91.3	96.1	
<b>Y56</b>	<b>London</b>	E40000003	<b>123.1</b>	<b>92.8</b>	<b>92.5</b>	<b>79.9</b>	<b>90.6</b>	<b>80.8</b>	<b>86.9</b>	
Q71	London	E39000025	123.1	92.8	92.5	79.9	90.6	80.8	86.9	
<b>Y57</b>	<b>South of England</b>	E40000004	<b>166.0</b>	<b>95.5</b>	<b>95.4</b>	<b>90.7</b>	<b>93.8</b>	<b>88.1</b>	<b>90.6</b>	
Q64	Bath, Gloucestershire, Swindon and Wiltshire	E39000018	16.8	96.6	96.5	92.2	94.7	90.2	92.4	
Q65	Bristol, North Somerset, Somerset and South Gloucestershire	E39000019	17.4	97.0	96.8	89.9	94.6	87.6	92.1	
Q66	Devon, Cornwall and Isles Of Scilly	E39000020	18.3	97.0	96.9	89.8	94.6	87.9	92.6	
Q67	Kent and Medway	E39000021	20.4	96.5	96.4	94.6	95.6	91.8	94.0	
Q68	Surrey and Sussex	E39000022	33.2	91.9	92.0	88.3	90.2	82.5	83.2	
Q69	Thames Valley	E39000023	28.3	96.0	96.1	91.0	95.0	89.9	93.2	
Q70	Wessex	E39000024	31.7	95.7	95.5	90.6	93.7	89.3	91.0	

<sup>(1)</sup> Children reaching their 5th birthday would have been routinely been offered protection against diphtheria, tetanus, pertussis, polio and Hib (Haemophilus influenzae type b) with DTaP/IPV/Hib vaccine, also known as '5 in 1' vaccine.

Source: COVER  
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## NHS Immunisation Statistics, England 2012-13

Table 13: Number of persons receiving BCG vaccinations and number of reinforcing doses of diphtheria, tetanus and polio given to school leavers, by Strategic Health Authority, 2012-13

*The KC50 data collection was suspended for the 2012-13 collection year pending a review. Data for Table 13 are not therefore available. See section 1.5 in NHS Immunisation Statistics, England, 2012-13 for more information:*

*<http://www.hscic.gov.uk/searchcatalogue?q=title%3Anhs+immunisation+statistics&area=&size=10&sort=Relevance>*

Table 13a: Number of persons receiving BCG vaccinations and number of reinforcing doses of Diphtheria, Tetanus and Polio given to school leavers, by provider, 2012-13

*The KC50 data collection was suspended for the 2012-13 collection year pending a review. Data for Table 13a are not therefore available. See section 1.5 in NHS Immunisation Statistics, England, 2012-13 for more information:*

*<http://www.hscic.gov.uk/searchcatalogue?q=title%3Anhs+immunisation+statistics&area=&size=10&sort=Relevance>*

## NHS Immunisation Statistics, England 2012-13

Table 14: Percentage of persons aged 65 and over immunised against Influenza (seasonal flu) by Strategic Health Authority, 2012-13

		<i>percentages</i>	
SHA Code		ONS Code	percentage immunised during 1 September 2012 - 31 January 2013
<b>England</b>			<b>73.4</b>
Q30	North East	E18000001	74.8
Q31	North West	E18000002	75.8
Q32	Yorkshire and the Humber	E18000003	74.3
Q33	East Midlands	E18000004	73.5
Q34	West Midlands	E18000005	72.2
Q35	East Of England	E18000006	73.3
Q36	London	E18000007	71.2
Q37	South East Coast	E18000008	71.0
Q38	South Central	E18000009	74.4
Q39	South West	E18000010	73.5

Source: Department of Health

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# NHS Immunisation Statistics, England 2012-13

Table 14a: Percentage of persons aged 65 and over immunised against Influenza (seasonal flu) by Primary Care Organisation, 2012-13

SHA & PCO Codes		ONS Code	percentages
			Percentage immunised during 1 September 2012 - 31 January 2013
<b>England</b>			<b>73.4</b>
<b>Q30</b>	<b>North East</b>	<b>E18000001</b>	<b>74.8</b>
5ND	County Durham PCT	E16000085	72.8
5J9	Darlington PCT	E16000041	72.6
5KF	Gateshead PCT	E16000050	75.9
5D9	Hartlepool PCT	E16000019	72.2
5KM	Middlesbrough PCT	E16000053	74.0
5D7	Newcastle PCT	E16000017	77.7
5D8	North Tyneside PCT	E16000018	74.6
TAC	Northumberland Care Trust PCT	E17000001	76.1
5QR	Redcar & Cleveland PCT	E16000146	76.8
5KG	South Tyneside PCT	E16000051	75.9
5KL	Sunderland Teaching PCT	E16000020	75.9
5E1	Stockton - on - Tees PCT	E16000052	73.0
<b>Q31</b>	<b>North West</b>	<b>E18000002</b>	<b>75.8</b>
5HG	Ashton, Leigh & Wigan PCT	E16000032	73.1
TAP	Blackburn and Darwen Teaching PCT Plus	E17000006	76.3
5HP	Blackpool PCT	E16000033	73.4
5HQ	Bolton PCT	E16000148	73.3
5JX	Bury PCT	E16000043	72.4
5NP	Central & Eastern Cheshire PCT	E16000095	77.6
5NG	Central Lancashire PCT	E16000088	77.0
5NE	Cumbria Teaching PCT	E16000086	76.1
5NH	East Lancashire Teaching PCT	E16000089	72.3
5NM	Halton & St Helens PCT	E16000093	76.7
5NQ	Heywood, Middleton & Rochdale PCT	E16000096	77.0
5J4	Knowsley PCT	E16000038	78.2
5NL	Liverpool PCT	E16000092	77.4
5NT	Manchester PCT	E16000149	72.0
5NF	North Lancashire Teaching PCT	E16000087	77.4
5J5	Oldham PCT	E16000039	74.2
5F5	Salford PCT	E16000025	77.1
5NJ	Sefton PCT	E16000090	75.8
5F7	Stockport PCT	E16000026	80.8
5LH	Tameside & Glossop PCT	E16000062	76.2
5NR	Trafford PCT	E16000097	78.1
5J2	Warrington PCT	E16000037	72.4
5NN	Western Cheshire PCT	E16000094	74.6
5NK	Wirral PCT	E16000091	75.4
<b>Q32</b>	<b>Yorkshire &amp; the Humber</b>	<b>E18000003</b>	<b>74.3</b>
5JE	Barnsley PCT	E16000042	72.9
5NY	Bradford & Airedale Teaching PCT	E16000102	75.5
5J6	Calderdale PCT	E16000040	72.3
5N5	Doncaster PCT	E16000078	73.5
5NW	East Riding of Yorkshire PCT	E16000100	71.8
5NX	Hull Teaching PCT	E16000101	74.1
5N2	Kirklees PCT	E16000075	71.2
5N1	Leeds PCT	E16000074	78.7
TAN	North East Lincolnshire Care Trust Plus	E17000005	72.3
5EF	North Lincolnshire PCT	E16000021	71.5
5NV	North Yorkshire & York PCT	E16000099	74.3
5H8	Rotherham PCT	E16000031	75.7
5N4	Sheffield PCT	E16000077	75.1
5N3	Wakefield District PCT	E16000076	73.6
<b>Q33</b>	<b>East Midlands</b>	<b>E18000004</b>	<b>73.5</b>
5ET	Bassetlaw PCT	E16000023	71.9
5N7	Derby City PCT	E16000080	75.5
5N6	Derbyshire County PCT	E16000079	75.0

# NHS Immunisation Statistics, England 2012-13

Table 14a: Percentage of persons aged 65 and over immunised against Influenza (seasonal flu) by Primary Care Organisation, 2012-13

SHA & PCO Codes		ONS Code	percentages Percentage immunised during 1 September 2012 - 31 January 2013
<b>England</b>			<b>73.4</b>
5PC	Leicester City PCT	E16000113	71.3
5PA	Leicestershire County & Rutland PCT	E16000112	72.7
5N9	Lincolnshire Teaching PCT	E16000082	72.7
5PD	Northamptonshire Teaching PCT	E16000114	71.6
5EM	Nottingham City PCT	E16000022	72.6
5N8	Nottinghamshire County Teaching PCT	E16000081	76.0
<b>Q34</b>	<b>West Midlands</b>	<b>E18000005</b>	<b>72.2</b>
5PG	Birmingham East & North PCT	E16000117	69.5
5MD	Coventry Teaching PCT	E16000070	72.8
5PE	Dudley PCT	E16000115	72.7
5MX	Heart of Birmingham Teaching PCT	E16000073	75.0
5CN	Herefordshire PCT	E16000015	71.6
5PH	North Staffordshire PCT	E16000118	71.7
5PF	Sandwell PCT	E16000116	69.1
5M2	Shropshire County PCT	E16000065	73.9
5QW	Solihull PCT	E16000151	72.2
5M1	South Birmingham PCT	E16000064	71.4
5PK	South Staffordshire PCT	E16000120	70.0
5PJ	Stoke on Trent PCT	E16000119	73.8
5MK	Telford & Wrekin PCT	E16000071	73.5
5M3	Walsall Teaching PCT	E16000066	72.2
5PM	Warwickshire PCT	E16000122	74.1
5MV	Wolverhampton City PCT	E16000072	70.5
5PL	Worcestershire PCT	E16000121	74.0
<b>Q35</b>	<b>East of England</b>	<b>E18000006</b>	<b>73.3</b>
5P2	Bedfordshire PCT	E16000104	72.9
5PP	Cambridgeshire PCT	E16000124	74.2
5PR	Great Yarmouth & Waveney PCT	E16000126	72.8
5QV	Hertfordshire PCT	E16000150	77.4
5GC	Luton PCT	E16000029	72.0
5PX	Mid Essex PCT	E16000130	72.5
5PQ	Norfolk PCT	E16000125	71.6
5PW	North East Essex PCT	E16000129	71.8
5PN	Peterborough PCT	E16000123	72.7
5P1	South East Essex PCT	E16000103	69.1
5PY	South West Essex PCT	E16000131	72.6
5PT	Suffolk PCT	E16000127	74.3
5PV	West Essex PCT	E16000128	70.7
<b>Q36</b>	<b>London</b>	<b>E18000007</b>	<b>71.2</b>
5C2	Barking & Dagenham PCT	E16000009	73.2
5A9	Barnet PCT	E16000006	74.3
TAK	Bexley Care Trust	E17000002	69.6
5K5	Brent Teaching PCT	E16000045	72.7
5A7	Bromley PCT	E16000004	73.5
5K7	Camden PCT	E16000047	71.7
5C3	City & Hackney Teaching PCT	E16000010	73.0
5K9	Croydon PCT	E16000049	67.0
5HX	Ealing PCT	E16000035	67.9
5C1	Enfield PCT	E16000008	73.3
5A8	Greenwich Teaching PCT	E16000005	74.1
5H1	Hammersmith & Fulham PCT	E16000030	65.5
5C9	Haringey Teaching PCT	E16000013	69.9
5K6	Harrow PCT	E16000046	71.3
5A4	Havering PCT	E16000002	71.8
5AT	Hillingdon PCT	E16000007	71.1
5HY	Hounslow PCT	E16000036	67.6
5K8	Islington PCT	E16000048	71.0
5LA	Kensington & Chelsea PCT	E16000056	69.9

# NHS Immunisation Statistics, England 2012-13

Table 14a: Percentage of persons aged 65 and over immunised against Influenza (seasonal flu) by Primary Care Organisation, 2012-13

SHA & PCO Codes		ONS Code	percentages
			Percentage immunised during 1 September 2012 - 31 January 2013
<b>England</b>			<b>73.4</b>
5A5	Kingston PCT	E16000003	69.0
5LD	Lambeth PCT	E16000058	66.5
5LF	Lewisham PCT	E16000060	68.2
5C5	Newham PCT	E16000012	74.2
5NA	Redbridge PCT	E16000083	74.1
5M6	Richmond & Twickenham PCT	E16000067	75.2
5LE	Southwark PCT	E16000059	70.4
5M7	Sutton & Merton PCT	E16000068	70.4
5C4	Tower Hamlets PCT	E16000011	75.9
5NC	Waltham Forest PCT	E16000084	71.7
5LG	Wandsworth PCT	E16000061	71.3
5LC	Westminster PCT	E16000057	74.3
<b>Q37</b>	<b>South East Coast</b>	<b>E18000008</b>	<b>71.0</b>
5LQ	Brighton & Hove City PCT	E16000063	69.8
5P7	East Sussex Downs & Weald PCT	E16000109	71.5
5QA	Eastern & Coastal Kent PCT	E16000132	70.7
5P8	Hastings & Rother PCT	E16000110	72.0
5L3	Medway PCT	E16000055	73.4
5P5	Surrey PCT	E16000107	68.8
5P9	West Kent PCT	E16000111	72.3
5P6	West Sussex PCT	E16000108	71.9
<b>Q38</b>	<b>South Central</b>	<b>E18000009</b>	<b>74.4</b>
5QG	Berkshire East PCT	E16000137	71.6
5QF	Berkshire West PCT	E16000136	75.9
5QD	Buckinghamshire PCT	E16000134	73.3
5QC	Hampshire PCT	E16000133	74.8
5QT	Isle of Wight Healthcare PCT	E16000147	72.1
5CQ	Milton Keynes PCT	E16000016	71.8
5QE	Oxfordshire PCT	E16000135	75.8
5FE	Portsmouth City Teaching PCT	E16000027	75.2
5L1	Southampton City PCT	E16000054	75.5
<b>Q39</b>	<b>South West</b>	<b>E18000010</b>	<b>73.5</b>
5FL	Bath & North East Somerset PCT	E16000028	75.5
5QN	Bournemouth & Poole PCT	E16000143	71.2
5QJ	Bristol PCT	E16000139	75.1
5QP	Cornwall & Isles of Scilly PCT	E16000144	71.6
5QQ	Devon PCT	E16000145	71.4
5QM	Dorset PCT	E16000142	73.1
5QH	Gloucestershire PCT	E16000138	74.9
5M8	North Somerset PCT	E16000069	77.4
5F1	Plymouth Teaching PCT	E16000024	75.3
5QL	Somerset PCT	E16000141	73.0
5A3	South Gloucestershire PCT	E16000001	79.5
5K3	Swindon PCT	E16000044	75.2
TAL	Torbay Care Trust	E17000003	69.7
5QK	Wiltshire PCT	E16000140	73.8

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# Appendices

## Appendix A – Glossary

For further information on the diseases included in the glossary below see 'Immunisation against Infectious Diseases – the Green Book'.<sup>24</sup>

Term	Definition
BCG	The Bacillus Calmette-Guerin (BCG) vaccine provides protection against tuberculosis (TB). TB is an infection caused by a bacterium called <i>Mycobacterium tuberculosis</i> <sup>25</sup> .
Child Health Information System (CHIS)	Child Health Information Systems (CHIS) are computerised systems storing clinical records which support health promotion and prevention activities for children, including immunisation.
Diphtheria	Diphtheria is a potentially fatal, contagious disease that usually involves the nose, throat, and air passages, but may also infect the skin <sup>26</sup> .
DTaP/IPV/Hib	Childhood vaccine providing protection against Diphtheria, Tetanus, Pertussis, Polio and <i>Haemophilus influenzae</i> b.
<i>Haemophilus influenzae</i> type b (Hib)	Hib ( <i>Haemophilus influenzae</i> type b) is a bacterial infection that can cause a number of serious illnesses such as pneumonia, blood poisoning and meningitis, especially in young children <sup>27</sup> .
HPV	Human papilloma virus (HPV) is the name of a family of viruses that affect the skin and the moist membranes that line the body, such as those in the cervix, anus, mouth and throat. Infection with some types of HPV can cause abnormal tissue growth and other changes to cells, which can lead to cervical cancer <sup>28</sup> .
Influenza	Seasonal flu (also known as influenza) is a highly infectious illness caused by a flu virus. The virus infects the lungs and upper airways, causing a sudden high temperature and general aches and pains <sup>29</sup> .
Measles	Measles (sometimes known as morbilli) is a highly infectious viral illness. It causes a range of symptoms including fever, coughing and distinctive red-brown spots on the skin <sup>30</sup> .
MenC	Childhood vaccine providing protection against meningococcal group C disease.
Meningococcal	Meningococcal group C disease can cause meningitis, and septicaemia

<sup>24</sup> Source: <https://www.gov.uk/government/publications/green-book-the-complete-current-edition>

<sup>25</sup> Source: <http://www.nhs.uk/Conditions/vaccinations/Pages/bcg-tuberculosis-TB-vaccine.aspx>

<sup>26</sup> Source: <http://www.nhs.uk/Conditions/Diphtheria/Pages/Introduction.aspx>

<sup>27</sup> Source: <http://www.nhs.uk/conditions/hib/Pages/Introduction.aspx>

<sup>28</sup> Source: <http://www.nhs.uk/Conditions/vaccinations/Pages/hpv-human-papillomavirus-vaccine.aspx>

<sup>29</sup> Source: <http://www.nhs.uk/conditions/flu/Pages/Introduction.aspx>

<sup>30</sup> Source: <http://www.nhs.uk/conditions/Measles/Pages/Introduction.aspx?url=Pages/What-is-it.aspx>

group C disease	(bacterial infection of the blood). Meningitis is an infection of the meninges that are the protective membranes that surround the brain and spinal cord. Infection can cause the meninges to become inflamed and swell, which can damage the nerves and brain.
MMR	Childhood vaccine providing protection against Measles, Mumps and Rubella. MMR1 is used to indicate at least one dose of MMR has been received. MMR2 is used to indicate that two doses of MMR have been received (anytime from 12 months up to the child's 5 <sup>th</sup> birthday).
Mumps	Mumps is a highly contagious viral infection that usually affects children. The most common symptom of mumps is a swelling of the parotid glands. The parotid glands are located on one side, or both sides, of the face. The swelling gives a person a distinctive 'hamster face' appearance <sup>31</sup> .
PCV	Pneumococcal Conjugate Vaccine - Childhood vaccine providing protection against Pneumococcal Disease.
Pertussis	Pertussis, also sometimes referred to as whooping cough, is an infection of the lining of the airways <sup>32</sup> .
Pneumococcal disease	Pneumococcal infections are acute infections caused by the <i>Streptococcus pneumoniae</i> ( <i>S. pneumoniae</i> ) bacterium. There are more than 90 different strains of <i>S. pneumoniae</i> bacteria. <i>S. pneumoniae</i> enters the human body through the nose and mouth <sup>33</sup> .
Polio	Polio, also known as poliomyelitis, is caused by a highly infectious virus. For most people, polio is a mild illness and causes flu-like symptoms. However, polio can be potentially fatal. A severe case of polio attacks the nerve cells that help muscles to function and can cause severe muscle paralysis (paralytic polio) <sup>34</sup> .
Rubella	Rubella (German measles) is an infectious disease that is caused by a virus. It can cause a high temperature (fever) of 38C (100.4F) or over, and a distinctive red-pink rash. In most cases, rubella is a mild condition, but it can be serious in pregnant women because it can harm the unborn baby <sup>35</sup> .
Tetanus	Tetanus is a serious, acute (severe but short-lived) condition that is caused by infection with a bacterium known as <i>Clostridium tetani</i> <sup>36</sup> .
Td/IPV	Teenage booster that boosts protection against tetanus, diphtheria and polio <sup>37</sup>
Tuberculosis (TB)	Tuberculosis is a bacterial infection. It is spread by inhaling tiny droplets of saliva from the coughs or sneezes of an infected person <sup>38</sup> .

<sup>31</sup> Source: <http://www.nhs.uk/conditions/Mumps/Pages/Introduction.aspx?url=Pages/What-is-it.aspx>

<sup>32</sup> Source: <http://www.nhs.uk/conditions/whooping-cough/pages/introduction.aspx>

<sup>33</sup> Source: <http://www.nhs.uk/conditions/pneumococcal-infections/pages/introduction.aspx>

<sup>34</sup> Source: <http://www.nhs.uk/conditions/polio-and-post-polio-syndrome-/pages/introduction.aspx>

<sup>35</sup> Source: <http://www.nhs.uk/conditions/Rubella/Pages/Introduction.aspx?url=Pages/What-is-it.aspx>

<sup>36</sup> Source: <http://www.nhs.uk/conditions/tetanus/pages/introduction.aspx>

<sup>37</sup> Source: <http://www.nhs.uk/Conditions/vaccinations/Pages/3-in-1-teenage-booster.aspx>

<sup>38</sup> Source: <http://www.nhs.uk/conditions/Tuberculosis/Pages/Introduction.aspx>



## Appendix B – Coverage Definitions

All the coverage definitions below refer to the PCT responsible population which is defined as those for whom the PCT is responsible at a certain point in time (in this instance on 31<sup>st</sup> March 2013) and includes:

- All persons registered with a GP whose practice forms part of the PCT, regardless of where the person is resident, plus
- Any persons not registered with a GP, who are resident within the PCTs statutory geographical boundary

Note that persons resident within the PCT geographical area but registered with a GP belonging to another PCT, are the responsibility of that other PCT.

### COVER: 12 Month Cohort

Coverage for the 12 month cohort is calculated as follows:

$$\frac{\text{Total number of children for whom the PCT is responsible, reaching their **first** birthday during the evaluation period (2012-13) and immunised before their first birthday}}{\text{Total number of children for whom the PCT is responsible reaching their **first** birthday during the evaluation period (2012-13)}} \times 100$$

**DTaP/IPV/Hib:** Immunised is defined as a completed course which is three doses before the child's first birthday. If the child received primary immunisations outside the UK, then a completed course would require three doses of each: DTP or DTaP, IPV or OPV, Hib before their first birthday.

**MenC and PCV:** Immunised is defined as a completed course which is two doses before the child's first birthday. (PCV can be either PCV7 or PCV13, given in any combination).

## COVER: 24 Month Cohort

Coverage for the 24 month cohort is calculated as follows:

$$\frac{\text{Total number of children for whom the PCT is responsible, reaching their **second** birthday during the evaluation period (2012-13) and immunised before their second birthday}}{\text{Total number of children for whom the PCT is responsible reaching their **second** birthday during the evaluation period (2012-13)}} \times 100$$

**DTaP/IPV/Hib:** Immunised is defined as a completed course which is three doses before the child's second birthday. If the child received primary immunisations outside the UK, then a completed course would require three doses of each: DTP or DTaP, IPV or OPV before their second birthday.

**MMR:** Immunised is defined as one dose given on or after the child's first birthday and before their second birthday (i.e. excludes MMR given before their first birthday).

**MenC primary:** Immunised is defined as a completed course which is two doses before the child's first birthday.

**Hib/MenC booster:** Immunised is defined as either: i) one dose of combined Hib/MenC vaccine on or after the child's first birthday and before their second birthday or: ii) one dose of DTaP/IPV/Hib and one dose of MenC, both given on or after the child's first birthday and before their second birthday (i.e. children completing primary course after their first birthday).

**PCV booster:** Immunised is defined as one dose given on or after the child's first birthday (irrespective of the number of doses before that age) and before their second birthday.

## COVER: 5 Year Cohort

Coverage for the 5 year cohort is calculated as follows:

Total number of children for whom the PCT is responsible, reaching their <b>fifth</b> birthday during the evaluation period (2012-13) and immunised before their fifth birthday	X 100

Total number of children for whom the PCT is responsible reaching their **fifth** birthday during the evaluation period (2012-13)

**Diphtheria, Tetanus and Polio (primary):** Immunised is defined as a completed course which is three doses before the child's fifth birthday. Children reaching their 5th birthday from the 2010-11 collection year onwards would have been routinely offered the DTaP/IPV/Hib '5 in 1' vaccine which includes Tetanus, Diphtheria, Pertussis, Polio and Hib. If the child received primary immunisations outside the UK, then a completed course would require three doses of each: DTP or DTaP, IPV or OPV before their fifth birthday.

**Diphtheria, Tetanus, Polio and Pertussis (DTaP/IPV) (booster):** Immunised is defined as the fourth dose of diphtheria/tetanus/ pertussis/polio containing vaccine given from age three years four months, and before the child's fifth birthday.

### Hib (primary)

Immunised is defined as a completed course which is three doses of a Hib-containing vaccine before the child's fifth birthday. Children reaching their 5th birthday from the 2010-11 collection year onwards would have been routinely offered the DTaP/IPV/Hib '5 in 1' vaccine.

**MMR1 (1<sup>st</sup> dose):** Immunised is defined as one dose given on or after the child's first birthday and before their fifth birthday (i.e. excludes MMR given before their first birthday).

**MMR2 (2<sup>nd</sup> dose):** Immunised is defined as two doses, the first given on or after the child's first birthday and the second at least three months after and before their fifth birthday (excludes MMR given before their first birthday).

**Hib/MenC (booster):** Immunised is defined as either: i) one dose of combined Hib/MenC vaccine on or after the child's first birthday and before their fifth birthday or: ii) one dose of DTaP/IPV/Hib and one dose of MenC, both given on or after the child's first birthday and before their fifth birthday (i.e. children completing primary course after their first birthday).

### Hepatitis B: 12 Month Cohort

Coverage of hepatitis B (HB) for the 12 month cohort is calculated as follows:

Total number of children for whom the PCT is responsible, with maternal HB positive status, reaching their first birthday during the evaluation period (2012-13) and immunised before their <b>first</b> birthday	X 100
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Total number of children for whom the PCT is responsible with maternal HB status positive and reaching their <b>first</b> birthday during the evaluation period (2012-13)	
---	--

Immunised is defined as three doses of hepatitis B vaccine, given at any time up to a child's first birthday, in those infants born to HBsAg positive<sup>39</sup> mothers who reached the age of one year in the appropriate evaluation year.

### Hepatitis B: 24 Month Cohort

Coverage of hepatitis B for the 24 month cohort is calculated as follows:

Total number of children for whom the PCT is responsible, with maternal HB positive status, reaching their second birthday during the evaluation period (2012-13) and immunised before their <b>second</b> birthday	X 100
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Total number of children for whom the PCT is responsible with maternal HB status positive and reaching their <b>second</b> birthday during the evaluation period (2012-13)	
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Immunised is defined as four doses of hepatitis B vaccine, given at any time up to a child's second birthday, in those infants born to HBsAg positive<sup>40</sup> mothers who reached two years of age in the appropriate evaluation year.

### Seasonal Flu

Seasonal flu coverage is calculated as follows:

Total number of persons aged 65 and over at the time of data extraction, registered with a GP during the evaluation period (2012-13), who have been immunised	X 100
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Total number of persons aged 65 and over at the time of data extraction, registered with a GP during the evaluation period (2012-13)	
--	--

<sup>39</sup> HBsAG stands for hepatitis B surface antigen and is the surface antigen of the hepatitis B virus (HBV). It indicates current hepatitis B infection.

<sup>40</sup> HBsAG stands for hepatitis B surface antigen and is the surface antigen of the hepatitis B virus (HBV). It indicates current hepatitis B infection.

Immunised is defined as one dose of trivalent influenza vaccine given to anyone aged 65 years and over on 31 March 2013 (i.e. born on or before 31 March 1948).

## Appendix C – Data Validation and Data Quality

### COVER Data

Information on childhood immunisation coverage at ages one, two and five was collected through the Cover of Vaccination Evaluated Rapidly (COVER) data collection from Child Health Information Systems (CHISs) for most PCTs, or from GP systems for a small number of PCTs.

Data collections were quality assured at the time of collection by PHE and further data validation and quality assurance is carried out by the HSCIC prior to publication.

PHE's quality assurance processes include the following:

- Checks on data completeness.
- Comparisons with previous years' data are made to identify any large changes and ensure they are explained. Comparisons are made on the numbers of individuals vaccinated, the numbers eligible for vaccination and coverage.
- Comparisons are made with coverage submitted for the same cohort of children in previous years to identify any unexpected changes in the numbers eligible, vaccinated or in coverage.
- Where there are unexpected changes, the data provider is asked to verify the data and where possible provide an explanation(s).

On receipt of the COVER data from PHE, the HSCIC second check the data for completeness and to ensure that wherever there are unexpected/large changes, as described above, that an adequate explanation(s) has been given. Data submitted are also compared at a regional and local level to identify any outliers which may require further investigation (e.g. where coverage in a PCT is substantially higher or lower than in others). Checks are also undertaken on the calculated coverage figures.

Issues with some CHISs over recent years (including issues associated with the implementation of new systems) have affected the quality of COVER data. Table C1 shows the data issues that were reported by PCTs from 2005-06 to 2011-12.

**Table C1: Data Issues associated with Child Health Information Systems**

Year	Data issues
2005-06	Nine London PCTs (out of 31) were unable to submit data due to problems relating to the implementation of a new child health system.
2006-07	Seven London PCTs were unable to provide reliable annual data due to on-going problems relating to the implementation of a new child health system.
2007-08	Six London PCTs did not provide any data and a further seven PCTs had some missing data for the five year cohort due to on-going problems relating to the implementation of a new child health system. One PCT in the South West was unable to provide data due to a major problem with the child health system.
2008-09	18 PCTs experienced data quality issues. In 13 of these PCTs the data quality issue was associated with a recent migration to a new child health system or problems with an existing child health system. Of these 13 PCTs, eleven were in London. One PCT submitted partial datasets due to the unavailability of data from certain parts of the PCT and a further three PCTs submitted data based upon quarterly data due to problems reporting an annual figure.
2009-10	4 PCTs identified CHIS implementation as having a negative impact on data quality and accuracy. Three out of these four PCTs were in London.
2010-11	10 PCTs (including 3 in London) reported data quality issues. Six of the 10 reported that the quality issues were associated with the implementation of CHISs. In addition, two PCTs reported only partial data for their areas and a further one London PCT supplied figures that were estimates based on available data.
2011-12	Data quality issues were reported for four PCTs. Two of these PCTs were in London.

In 2012-13, COVER data on childhood immunisations were supplied for all 151 Primary Care Trusts. Improvements in data quality were reported in relation to data from 27 PCTs following queries raised by PHE or the HSCIC following data validation.

Quality issues were reported in relation to the data for four PCTs (Barnet PCT, Wandsworth PCT, Hartlepool PCT and Stockton-on-Tees Teaching PCT) where missing data was thought to have impacted on reported coverage. Possible missing data was also reported for Sutton and Merton PCT, potentially resulting in lower reported coverage figures for all three cohorts (one, two and five years).

Although relatively few data quality issues were reported in 2012-13, some caution should still be exercised when comparing coverage figures over time, as apparent trends could reflect changes in the quality of data reported as well as real changes in vaccination coverage. While this issue will be more apparent at a local level, it will also have an impact on the national figures.

## **Appendix D – How are the Statistics used?**

### **Users and Uses of the Report**

#### **Uses of Statistics by Known Users**

This section details known users of the report and the purposes for which they use the statistics. All these users have found the information in the report useful for the purposes set out.

##### **Public Health England (PHE)**

Public Health England (PHE) uses the report as a validated authoritative source of figures for annual coverage data for use when referring to immunisation programmes at all levels within England. The statistics are used by PHE to report United Kingdom (UK) vaccine coverage data to the World Health Organisation (WHO) and UNICEF.

##### **Department of Health (DH)**

The Department of Health (DH) use the statistics from this publication, together with provisional quarterly COVER data published by PHE, to inform the development and evaluation of government policy on immunisation and to assess the delivery of different immunisations in the national programme. The statistics also help inform vaccine policy decisions, such as national and regional catch-up programmes for specific immunisations. DH uses the statistics to respond to public and parliamentary business. A number of the statistics from this publication will also contribute to indicators for the government's Public Health Outcomes Framework<sup>41</sup>.

##### **NHS England and Area Teams (ATs)**

The Area Teams use the report, in conjunction with the quarterly COVER statistics, as a validated authoritative source of figures for annual coverage data for use when referring to the immunisation programme at their area level. One Area Team reported that the statistics are used to highlight potential quality issues to the Clinical Commissioning Group and provide a basis for discussions between relevant stakeholders around local performance.

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<sup>41</sup> For more information on the Public Health Outcomes Framework see: <http://www.dh.gov.uk/health/2012/01/public-health-outcomes/>



## OECD

The seasonal flu statistics are supplied to the OECD by the HSCIC and are used in OECD Health Database and also for the Health care Quality Indicator project.

## Compendium of Population Health Indicators

Statistics on vaccinations for MMR and whooping cough (pertussis) from the publication are included in the Compendium of Population Health Indicators which is widely used within the NHS as well as outside it. See: <https://indicators.ic.nhs.uk/webview/>

## Child and Maternal Health Observatory (ChiMat)

Statistics from the publication are used in the Child Health Profiles published by the ChiMat. See: <http://www.chimat.org.uk/default.aspx>

## Unknown Users

The NHS Immunisation Statistics publication is free to access via the HSCIC website and therefore the majority of users will access the report without being known to the HSCIC. It is important to put mechanisms in place to try to understand how these additional users are using the statistics and also to gain feedback on how we can make the data more useful to them.

On the webpage where the report is published, there is a link to a feedback web form, which the HSCIC uses for all its reports.

The specific questions asked on the form are:

How useful did you find the content in this publication?

How did you find out about this publication?

What type of organisation do you work for?

What did you use the report for?

What information was the most useful?

Were you happy with the data quality?

To help us improve our publications, what changes would you like to see (for instance content or timing)?

Would you like to take part in future consultations on our publications?

Any responses via this web form are passed to the team responsible for the report to consider.

## **Appendix E – Feedback from Users**

The publication webpage has a 'Have your say' link which invites users to comment on the publication. No comments were received from users through this link following the last publication of NHS Immunisation Statistics in 2011-12.

Key stakeholders were invited to provide feedback on the 2011-12 report published in November 2012 and in response to this the Health Protection Agency reported that they would like to see longer time series for coverage data, in particular for MMR. The time series for MMR evaluated a two years and for Diphtheria at one year have been extended in this year's report back to 1988. This is the year the MMR vaccine was first introduced and when current definitions for measuring coverage came into effect.

## Appendix F – Related Publications and Useful Web Links

This bulletin can be found on the internet at:

<http://www.hscic.gov.uk/searchcatalogue?q=title%3A+nhs+immunisation+statistics&area=&size=10&sort=Relevance>

Copies of previous editions published by the HSCIC can also be accessed via this link.

Prior to 2004-05 this bulletin was published by the Department of Health. These editions can be found at:

[http://webarchive.nationalarchives.gov.uk/20130107105354/http://www.dh.gov.uk/en/Publicationsandstatistics/Statistics/StatisticalWorkAreas/Statisticalhealthcare/DH\\_4086491](http://webarchive.nationalarchives.gov.uk/20130107105354/http://www.dh.gov.uk/en/Publicationsandstatistics/Statistics/StatisticalWorkAreas/Statisticalhealthcare/DH_4086491)

'Immunisation against Infectious Diseases – the Green Book', Department of Health

<https://www.gov.uk/government/publications/green-book-the-complete-current-edition>

Further immunisation information for health professionals and immunisation practitioners can be found at:

<https://www.gov.uk/government/organisations/public-health-england/series/immunisation#vaccine-uptake>

Annual HPV vaccine coverage in England: 2011-12, Department of Health

[http://media.dh.gov.uk/network/211/files/2013/01/2900744\\_HPVAccAnnualVaccineUptake11-12\\_acc.pdf](http://media.dh.gov.uk/network/211/files/2013/01/2900744_HPVAccAnnualVaccineUptake11-12_acc.pdf)

Statistics relating to hepatitis B are available from the PHE website at:

<http://www.hpa.org.uk/Topics/InfectiousDiseases/InfectionsAZ/VaccineCoverageAndCOVER>

More information on the seasonal flu vaccination is available from the PHE web page:

<https://www.gov.uk/government/organisations/public-health-england/series/immunisation#immform>

Information on the DH flu vaccination programme can be found on the following webpage:

<https://www.gov.uk/government/publications/the-flu-immunisation-programme-2012-13>

Data on seasonal flu vaccine coverage amongst people with long-term medical conditions can be found at:

<https://www.gov.uk/government/organisations/public-health-england/series/immunisation#publications>

and

<https://www.gov.uk/government/publications/influenza-vaccine-uptake-amongst-gp-patient-groups-in-england-for-winter-season-2012-to-2013>

Quarterly PHE *Health Protection Reports* and Communicable Disease Reports on the COVER programme for childhood immunisation are available at:

<http://www.hpa.org.uk/Topics/InfectiousDiseases/InfectionsAZ/VaccineCoverageAndCOVER/Publications/coverQuarterlyHPR/>

## Appendix G – COVER Data Collection Form

PCT Name/Code:

### 2011/2012 - 5 REQUEST PARAMETERS FOR COVER DATA: ANNUAL REQUEST 01/04/12 to 31/03/13

Please note that the collection of these data has been mandated by the Secretary of State, through the Review of Central Returns (ROCR), to the HPA. Reference: ROCR/OR/0105/004MAND (ROCR aims to minimise the burden of data collection on the NHS). More details can be found at: <http://www.ic.nhs.uk/rocr>.

The ROCR team are keen to receive feedback on central data collections from the colleagues who complete/submit returns. In particular, around the length of data collections take to complete and any issues, suggested improvements or duplication of data collections. Feedback can be submitted to ROCR using an [online form](#).

The following groups of children are to be **included** as PCT responsible population for COVER data. Children for whom the PCT is responsible are:

- all children registered with a GP whose practice forms part of the PCT, regardless of where the child is resident, plus
- any children not registered with a GP, who are resident within the PCT's statutory geographical boundary

Note that children resident within the PCT geographical area, but registered with a GP belonging to another PCT, are the responsibility of that other PCT.

#### Request 1: 12 MONTH COHORT

1. Total number of children for whom the PCT is responsible on 31/03/13 reaching their 1st birthday during the above evaluation quarter.

2. Total number and percentage vaccinated (to one decimal place) included in line 1 completing a course\* at any time up to their 1st birthday for each of the following:

DTaP/IPV/Hib	MenC	PCV
%	%	%

#### Request 2: 24 MONTH COHORT

3. Total number of children for whom the PCT is responsible on 31/03/13 reaching their 2nd birthday during the above evaluation quarter.

4. Total number and percentage vaccinated (to one decimal place) included in line 3 completing a course\*\* at any time up to their 2nd birthday and also total number and percentage included in line 3 receiving boosters for each of the following:

DTaP/IPV/Hib	MMR	MenC infant	Hib/MenC** Booster	PCV** Booster
%	%	%	%	%

#### Request 3: 5 YEAR COHORT

5. Total number of children for whom the PCT is responsible on 31/03/13 reaching their 5th birthday during the above evaluation quarter.

6. Total number and percentage vaccinated (to one decimal place) included in line 5 completing a course\*\*\* at any time up to their 5th birthday and also total number and percentage included in line 5 receiving boosters for each of the following:

DT/Pol Primary	Pertussis Primary	Hib Infant	MMR 1st dose	MenC Infant	PCV Infant
%	%	%	%	%	%

7. Total number included in line 5 and receiving boosters at any time before their fifth birthday against:

DTaP/IPV Booster	Hib/MenC Booster	MMR 2nd dose	PCV Booster
%	%	%	%

**PCT Name/Code:**

**HEPATITIS B - 12 MONTH COHORT**

8. Total number included in line 1 with maternal HB status positive\*\*\*\* and reaching their first birthday during the above evaluation period (i.e. born between 01/04/11 - 31/03/12)

9. Total number included in line 8 receiving 3 doses of Hep B before their 1st birthday

**HEPATITIS B - 24 MONTH COHORT**

10. Total number included in line 3 with maternal HB status positive\*\*\*\* and reaching their second birthday during the above evaluation period (i.e. born between 01/04/10 - 31/03/11)

11. Total number included in line 10 receiving 4 doses of Hep B before their 2nd birthday

**Footnotes:**

**Notes on definitions of COVER parameters:**

In response to requests from several PCTs additional information for clarification only has been provided to help PCTs ensure their data extracts are as accurate as possible. This is not a request for additional data, which would require a DSCN.

**\*at 12 months completed courses are defined as:**

DTaP/IPV/Hib is 3 doses before 1st birthday; if child received primary immunisations outside UK then 3 doses of each: DTP or DTaP, IPV or OPV, Hib before 1st birthday  
MenC and PCV is 2 doses before 1st birthday (PCV can be either PCV7 or PCV13, given in any combination)

**\*\*at 24 months completed courses are defined as:**

DTaP/IPV/Hib is 3 doses before 2nd birthday; if child received primary immunisations outside UK then 3 doses of each: DTP or DTaP, IPV or OPV before 2nd birthday  
MMR is 1 dose on or after 1st birthday and before 2nd birthday (i.e. excludes MMR given before 1st birthday)  
MenC infant is 2 doses before 1st birthday  
Hib/MenC booster is either (i) one dose of combined Hib/MenC vaccine on or after 12 months and before 2nd birthday or (ii) 1 dose of DTaP/IPV/Hib and 1 dose of MenC, both given on or after 1st birthday and before 2nd birthday (i.e. children completing primary course after 1st birthday)  
PCV booster is one dose on or after 12 months (irrespective of the number of doses before that age) and before 2nd birthday

**\*\*\*at 5 years completed courses are defined as:**

DTaP/IPV/Hib is 3 doses before 5th birthday; if child received primary immunisations outside UK then 3 doses of each: DTP or DTaP, IPV or OPV before 5th birthday  
MMR1 (1st dose) is 1 dose on or after 1st birthday and before 5th birthday (i.e. excludes MMR given before 1st birthday)  
MenC infant (i) if born before 4th July 2006, 3 doses before 1st birthday (ii) if born on or after 4th July 2006, at least 2 doses before 1st birthday  
PCV is 2 doses before 1st birthday (PCV can be either PCV7 or PCV13, given in any combination)  
DTaP/IPV booster is 4th dose of diphtheria/tetanus/pertussis/polio containing vaccine given from 3 years 4 months and before 5th birthday  
Hib/MenC booster is either (i) one dose of combined Hib/MenC vaccine on or after 12 months and before 5th birthday or (ii) 1 dose of DTaP/IPV/Hib and 1 dose of MenC, both given on or after 1st birthday and before 5th birthday (i.e. children completing primary course after 1st birthday)  
MMR2 (2nd dose) is 2 doses from 1st birthday and before 5th birthday (i.e. excludes MMR given before 1st birthday)  
PCV booster is one dose on or after 12 months (irrespective of the number of doses before that age) and before 5th birthday

\*\*\*\* maternal HB status positive: HBsAg+ve

**Notes:**

1. Although many child health systems do not have the capacity to produce statistics or even hold information on hepatitis B vaccines, this information is requested in the same format as the current COVER outputs. This is designed to ensure that collection of hepatitis B data is integrated into the routine collection and coverage data can be compared. It is hoped that this data will be generated from manual systems or from standalone databases managed by or on behalf of the PCT.
2. The format is based on the 0,1,2,12 month schedules recommended in the HSC 1998. will be collected via Regions and can be used to validate the completeness of identification of children at risk in future cohorts.
3. The HSC recommended universal screening of pregnant women from April 2000. Data on antenatal prevalence will be collected via Regions and can be used to validate the completeness of identification of children at risk in future cohorts.
4. Cfl have aimed only to collate information on completion of vaccination, although realises that first dose coverage and timeliness may be more important in the prevention of infection.

**Return by 24th May 2013 to:**

E-mail: COVER@phe.gov.uk / Fax: 020 8327 7404/or post

COVER  
Immunisation Department

Public Health England  
61 Colindale Avenue  
LONDON NW9 5EQ

copies of this can also be found [www.hpa.org.uk/infections/topics\\_az/cover/default.htm](http://www.hpa.org.uk/infections/topics_az/cover/default.htm)

On 1st April this organisation's functions transfer to Public Health England. This email address will change to cover@phe.gov.uk. All other contact details will remain the same.

## References

John TJ, Samuel R. 2000. 'Herd immunity and herd effect: new insights and definitions', *Eur. J. Epidemiol.* **16** (7), pp601-6.

Granerod J, White J, Andrews N, Crowcroft N. 2006. 'Vaccine coverage in England: the impact of health service reorganisation', *Archives of Disease in Childhood*, 91 (10), pp805-807.

White J, Gillam S, Begg N, Farrington C. 1992, 'Vaccine coverage: recent trends and future prospects', *British Medical Journal* 304, pp.682-684.

## Annex A – Hepatitis B – Experimental Statistics

These statistics, which are published for the third time in this year's in NHS Immunisation Statistics, England, are published as 'experimental statistics' as they are still undergoing evaluation.

Following the introduction of universal antenatal testing for hepatitis B (HepB) in April 2000, PHE (formerly the Health Protection Agency) has been collecting coverage data on infants born to hepatitis B positive mothers at their first and second birthdays. Since April 2005, this data collection has been integrated into the routine COVER programme and has been a statutory requirement since 2006.

The data presented in Tables A1 and A2 represents reported coverage for three doses of hepatitis B vaccine in those infants born to HBsAg positive<sup>42</sup> mothers who reached the age of one year, and coverage of four doses of vaccine in infants who reached two years of age in the year (2012-13).

These data have been reported by the HPA (now part of PHE) in previous years and statistics for the last four years are available on the PHE website through the following link:

[http://www.hpa.org.uk/webw/HPAweb&HPAwebStandard/HPAweb\\_C/1211441442288](http://www.hpa.org.uk/webw/HPAweb&HPAwebStandard/HPAweb_C/1211441442288)

### Data validation

PHE's quality assurance process includes the following:

- Checks on data completeness.
- Comparisons with previous years' data are made to identify any large changes and ensure they are explained. Comparisons are made on the numbers of individuals vaccinated and the numbers eligible for vaccination.
- Where zeros or blanks are submitted for both the number eligible and number vaccinated, data providers are asked to verify whether this indicates that no children are eligible and none have been vaccinated or whether the data are not available.
- Where there are unexpected figures, the data provider is asked to verify the data and where possible provide an explanation(s).

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<sup>42</sup> HBsAG stands for hepatitis B surface antigen and is the surface antigen of the hepatitis B virus (HBV). It indicates current hepatitis B infection.



On receipt of the COVER data from PHE, the HSCIC second check the data for completeness and to ensure that wherever there are unexpected/large changes as described above, that an adequate reason(s) has been given. Data submitted are also compared at a local level to identify any outliers which may require further investigation (e.g. where the number vaccinated is substantially higher or lower than in other areas). Checks are also undertaken on the calculated coverage figures.

### **Important Note on Data Quality**

A large number of Trusts reported that they were unable to supply some or all of the data required on infants born to hepatitis B positive mothers. It would therefore be inadvisable to draw conclusions from these data and it should be noted that no national or regional data have been published. Further details of the numbers of Trusts unable to supply data are given below:

The data quality issues identified in 2012-13 returns include:

- For the 12 month cohort, data were not available for 34 Trusts.
- For the 24 month cohort, data were not available for 33 Trusts.
- For the 12 month cohort, 2 Trusts reported the number of children immunised or the number eligible but did not report both.
- For the 24 month cohort, 3 Trusts reported the number of children immunised or the number eligible but did not report both.

It is hoped that Trusts that have been unable to submit data for 2012-13 are encouraged to review their systems for obtaining these data and take the necessary actions to ensure that they are able to submit data in future years.

In some cases where a full data set was submitted for a Trust (i.e. figures were submitted for the number eligible and number vaccinated), the data provider also reported that their submission was incomplete and that there was some missing data.

- For the 12 month cohort, of the 115 Trusts who submitted a full data set, six also reported some missing data.
- For the 24 month cohort, of the 115 Trusts who submitted a full data set, seven also reported some missing data.

A key part of the “Experimental statistics” label is user engagement in the evaluation of those statistics. The HSCIC invites readers to comment on the hepatitis B statistics, which will help inform the next report. Comments may be sent to [enquiries@hscic.gov.uk](mailto:enquiries@hscic.gov.uk).

# NHS Immunisation Statistics, England 2012-13

**Table A1: Experimental Statistics - Percentage of children immunised for Hepatitis B by their 1st birthday, by Primary Care Organisation 2012-13**

See *Important Note on Data Quality* below

SHA & PCO Codes		ONS Code	Eligible population <sup>(1)</sup>	Number of children immunised <sup>(2)</sup>	Coverage (%)	Data type
<div style="background-color: #d9ead3; padding: 2px;">Full data submitted</div> <div style="background-color: #fcf8e3; padding: 2px;">Number immunised or eligible population only submitted</div> <div style="background-color: #f2dede; padding: 2px;">Data not available</div>						
<b>England</b>						
<b>Q30</b>	<b>North East</b>	<b>E1800001</b>				
5ND	County Durham PCT	E16000085	*	*	*	Full data submitted
5J9	Darlington PCT	E16000041	-	-	-	Data not available
5KF	Gateshead PCT	E16000050	4	4	100.0	Full data submitted
5D9	Hartlepool PCT	E16000019	-	-	-	Data not available
5KM	Middlesbrough PCT	E16000053	-	-	-	Data not available
5D7	Newcastle PCT	E16000017	14	14	100.0	Full data submitted
5D8	North Tyneside PCT	E16000018	0	0	-	Full data submitted
TAC	Northumberland Care Trust PCT	E17000001	0	0	-	Full data submitted
5QR	Redcar & Cleveland PCT	E16000146	-	-	-	Data not available
5KG	South Tyneside PCT	E16000051	0	0	-	Full data submitted
5E1	Stockton-on-Tees Teaching PCT	E16000020	-	-	-	Data not available
5KL	Sunderland Teaching PCT	E16000052	10	10	100.0	Full data submitted
<b>Q31</b>	<b>North West</b>	<b>E18000002</b>				
5HG	Ashton, Leigh & Wigan PCT	E16000032	*	*	*	Full data submitted
TAP	Blackburn with Darwen PCT	E17000006	0	0	-	Full data submitted
5HP	Blackpool PCT <sup>(3)</sup>	E16000033	*	*	*	Full data submitted
5HQ	Bolton PCT	E16000034	*	*	*	Full data submitted
5JX	Bury PCT	E16000043	-	8	-	Number immunised or eligible population only submitted
5NP	Central & Eastern Cheshire PCT	E16000095	5	5	100.0	Full data submitted
5NG	Central Lancashire PCT <sup>(4)</sup>	E16000088	*	*	*	Full data submitted
5NE	Cumbria PCT	E16000086	*	*	*	Full data submitted
5NH	East Lancashire PCT	E16000089	0	0	-	Full data submitted
5NM	Halton & St Helens PCT	E16000093	6	6	100.0	Full data submitted
5NQ	Heywood, Middleton & Rochdale PCT	E16000096	-	19	-	Number immunised or eligible population only submitted
5J4	Knowsley PCT	E16000038	3	*	*	Full data submitted
5NL	Liverpool PCT	E16000092	14	13	92.9	Full data submitted
5NT	Manchester PCT	E16000098	81	76	93.8	Full data submitted
5NF	North Lancashire PCT <sup>(3)</sup>	E16000087	4	4	100.0	Full data submitted
5J5	Oldham PCT	E16000039	53	49	92.5	Full data submitted
5F5	Salford PCT	E16000025	10	10	100.0	Full data submitted
5NJ	Sefton PCT	E16000090	0	0	-	Full data submitted
5F7	Stockport PCT	E16000026	3	2	66.7	Full data submitted
5LH	Tameside & Glossop PCT	E16000062	27	12	44.4	Full data submitted
5NR	Trafford PCT	E16000097	15	12	80.0	Full data submitted
5J2	Warrington PCT	E16000037	-	-	-	Data not available
5NN	Western Cheshire PCT	E16000094	6	6	100.0	Full data submitted
5NK	Wirral PCT	E16000091	5	5	100.0	Full data submitted
<b>Q32</b>	<b>Yorkshire &amp; the Humber</b>	<b>E18000003</b>				
5JE	Barnsley PCT	E16000042	-	-	-	Data not available
5NY	Bradford & Airedale PCT	E16000102	26	26	100.0	Full data submitted
5J6	Calderdale PCT	E16000040	7	7	100.0	Full data submitted
5N5	Doncaster PCT	E16000078	11	11	100.0	Full data submitted
5NW	East Riding of Yorkshire PCT	E16000100	-	-	-	Data not available
5NX	Hull PCT	E16000101	-	-	-	Data not available
5N2	Kirklees PCT	E16000075	20	16	80.0	Full data submitted
5N1	Leeds PCT	E16000074	41	40	97.6	Full data submitted

# NHS Immunisation Statistics, England 2012-13

**Table A1: Experimental Statistics - Percentage of children immunised for Hepatitis B by their 1st birthday, by Primary Care Organisation 2012-13**

See *Important Note on Data Quality* below

		Full data submitted		Number immunised or eligible population only submitted		Data not available			
SHA & PCO Codes	ONS Code	Eligible population <sup>(1)</sup>	Number of children immunised <sup>(2)</sup>	Coverage (%)					Data type
<b>England</b>									
TAN	North East Lincolnshire	E17000005	0	0	-	Full data submitted			
5EF	North Lincolnshire PCT	E16000021	0	0	-	Full data submitted			
5NV	North Yorkshire & York PCT	E16000099	3	3	100.0	Full data submitted			
5H8	Rotherham PCT	E16000031	-	-	-	Data not available			
5N4	Sheffield PCT	E16000077	4	4	100.0	Full data submitted			
5N3	Wakefield District PCT	E16000076	5	5	100.0	Full data submitted			
<b>Q33</b>	<b>East Midlands</b>	<b>E18000004</b>							
5ET	Bassetlaw PCT	E16000023	-	-	-	Data not available			
5N7	Derby City PCT	E16000080	17	14	82.4	Full data submitted			
5N6	Derbyshire County PCT	E16000079	*	*	*	Full data submitted			
5PC	Leicester City PCT	E16000113	-	-	-	Data not available			
5PA	Leicestershire County & Rutland PCT	E16000112	-	-	-	Data not available			
5N9	Lincolnshire PCT	E16000082	83	52	62.7	Full data submitted			
5PD	Northamptonshire PCT	E16000114	55	54	98.2	Full data submitted			
5EM	Nottingham City PCT	E16000022	22	18	81.8	Full data submitted			
5N8	Nottinghamshire County PCT	E16000081	5	3	60.0	Full data submitted			
<b>Q34</b>	<b>West Midlands</b>	<b>E18000005</b>							
5PG	Birmingham East & North PCT	E16000117	-	-	-	Data not available			
5MD	Coventry Teaching PCT	E16000070	25	25	100.0	Full data submitted			
5PE	Dudley PCT	E16000115	4	4	100.0	Full data submitted			
5MX	Heart of Birmingham Teaching PCT	E16000073	-	-	-	Data not available			
5CN	Herefordshire PCT	E16000015	3	2	66.7	Full data submitted			
5PH	North Staffordshire PCT	E16000118	*	*	*	Full data submitted			
5PF	Sandwell PCT	E16000116	18	17	94.4	Full data submitted			
5M2	Shropshire County PCT	E16000065	-	-	-	Data not available			
TAM	Solihull Care Trust	E17000004	-	-	-	Data not available			
5M1	South Birmingham PCT	E16000064	-	-	-	Data not available			
5PK	South Staffordshire PCT	E16000120	6	6	100.0	Full data submitted			
5PJ	Stoke on Trent PCT	E16000119	7	7	100.0	Full data submitted			
5MK	Telford & Wrekin PCT	E16000071	-	-	-	Data not available			
5M3	Walsall Teaching PCT	E16000066	*	*	*	Full data submitted			
5PM	Warwickshire PCT	E16000122	14	14	100.0	Full data submitted			
5MV	Wolverhampton City PCT	E16000072	15	14	93.3	Full data submitted			
5PL	Worcestershire PCT	E16000121	-	-	-	Data not available			
<b>Q35</b>	<b>East of England</b>	<b>E18000006</b>							
5P2	Bedfordshire PCT	E16000104	5	2	40.0	Full data submitted			
5PP	Cambridgeshire PCT	E16000124	*	*	*	Full data submitted			
5PR	Great Yarmouth & Waveney PCT	E16000126	*	*	*	Full data submitted			
5QV	Hertfordshire PCT	E16000150	37	36	97.3	Full data submitted			
5GC	Luton PCT	E16000029	20	16	80.0	Full data submitted			
5PX	Mid Essex PCT	E16000130	*	*	*	Full data submitted			
5PQ	Norfolk PCT	E16000125	12	11	91.7	Full data submitted			
5PW	North East Essex PCT	E16000129	-	-	-	Data not available			
5PN	Peterborough PCT	E16000123	10	9	90.0	Full data submitted			
5P1	South East Essex PCT <sup>(3)</sup>	E16000103	-	-	-	Full data submitted			
5PY	South West Essex PCT	E16000131	8	8	100.0	Full data submitted			

# NHS Immunisation Statistics, England 2012-13

**Table A1: Experimental Statistics - Percentage of children immunised for Hepatitis B by their 1st birthday, by Primary Care Organisation 2012-13**

See *Important Note on Data Quality* below

SHA & PCO Codes		ONS Code	Eligible population <sup>(1)</sup>	Number of children immunised <sup>(2)</sup>	Coverage (%)	Data type
<div style="background-color: #d9ead3; padding: 2px;">Full data submitted</div> <div style="background-color: #fcf8e3; padding: 2px;">Number immunised or eligible population only submitted</div> <div style="background-color: #f2dede; padding: 2px;">Data not available</div>						
<b>England</b>						
5PT	Suffolk PCT	E16000127	10	10	100.0	Full data submitted
5PV	West Essex PCT	E16000128	11	11	100.0	Full data submitted
<b>Q36</b>	<b>London</b>	<b>E18000007</b>				
5C2	Barking & Dagenham PCT	E16000009	49	44	89.8	Full data submitted
5A9	Barnet PCT	E16000006	19	13	68.4	Full data submitted
TAK	Bexley Care Trust PCT	E17000002	20	20	100.0	Full data submitted
5K5	Brent Teaching PCT	E16000045	-	-	-	Data not available
5A7	Bromley PCT	E16000004	14	14	100.0	Full data submitted
5K7	Camden PCT	E16000047	12	11	91.7	Full data submitted
5C3	City & Hackney Teaching PCT	E16000010	-	-	-	Data not available
5K9	Croydon PCT	E16000049	-	-	-	Data not available
5HX	Ealing PCT	E16000035	35	29	82.9	Full data submitted
5C1	Enfield PCT	E16000008	29	14	48.3	Full data submitted
5A8	Greenwich Teaching PCT	E16000005	58	58	100.0	Full data submitted
5H1	Hammersmith & Fulham PCT	E16000030	-	-	-	Data not available
5C9	Haringey Teaching PCT	E16000013	75	74	98.7	Full data submitted
5K6	Harrow PCT	E16000046	-	-	-	Data not available
5A4	Havering PCT	E16000002	14	7	50.0	Full data submitted
5AT	Hillingdon PCT	E16000007	38	38	100.0	Full data submitted
5HY	Hounslow PCT	E16000036	26	18	69.2	Full data submitted
5K8	Islington PCT	E16000048	55	38	69.1	Full data submitted
5LA	Kensington & Chelsea PCT	E16000056	-	-	-	Data not available
5A5	Kingston PCT	E16000003	9	8	88.9	Full data submitted
5LD	Lambeth PCT	E16000058	19	18	94.7	Full data submitted
5LF	Lewisham PCT	E16000060	79	79	100.0	Full data submitted
5C5	Newham PCT	E16000012	87	74	85.1	Full data submitted
5NA	Redbridge PCT	E16000083	9	7	77.8	Full data submitted
5M6	Richmond & Twickenham PCT	E16000067	*	*	*	Full data submitted
5LE	Southwark PCT	E16000059	45	44	97.8	Full data submitted
5M7	Sutton & Merton PCT	E16000068	6	4	66.7	Full data submitted
5C4	Tower Hamlets PCT	E16000011	39	19	48.7	Full data submitted
5NC	Waltham Forest PCT	E16000084	43	38	88.4	Full data submitted
5LG	Wandsworth PCT	E16000061	22	20	90.9	Full data submitted
5LC	Westminster PCT	E16000057	-	-	-	Data not available
<b>Q37</b>	<b>South East Coast</b>	<b>E18000008</b>				
5LQ	Brighton & Hove City PCT	E16000063	4	4	100.0	Full data submitted
5P7	East Sussex Downs & Weald PCT	E16000109	-	-	-	Data not available
5QA	Eastern & Coastal Kent PCT	E16000132	42	29	69.0	Full data submitted
5P8	Hastings & Rother PCT	E16000110	-	-	-	Data not available
5L3	Medway PCT	E16000055	8	6	75.0	Full data submitted
5P5	Surrey PCT	E16000107	14	14	100.0	Full data submitted
5P6	Sussex Community NHS Trust	E16000108	10	9	90.0	Full data submitted
5P9	West Kent PCT	E16000111	15	8	53.3	Full data submitted
<b>Q38</b>	<b>South Central</b>	<b>E18000009</b>				
5QG	Berkshire East PCT	E16000137	31	31	100.0	Full data submitted
5QF	Berkshire West PCT	E16000136	36	36	100.0	Full data submitted

# NHS Immunisation Statistics, England 2012-13

**Table A1: Experimental Statistics - Percentage of children immunised for Hepatitis B by their 1st birthday, by Primary Care Organisation 2012-13**

See **Important Note on Data Quality** below

SHA & PCO Codes	ONS Code	Eligible population <sup>(1)</sup>	Number of children immunised <sup>(2)</sup>	Coverage (%)	Data type	
<div style="background-color: #d9ead3; padding: 2px;">Full data submitted</div> <div style="background-color: #f4cccc; padding: 2px;">Number immunised or eligible population only submitted</div> <div style="background-color: #e41a1c; padding: 2px;">Data not available</div>						
<b>England</b>						
5QD	Buckinghamshire PCT	E16000134	10	9	90.0	Full data submitted
5QC	Hampshire PCT	E16000133	-	-	-	Data not available
5QT	Isle of Wight Healthcare PCT	E16000147	0	0	-	Full data submitted
5CQ	Milton Keynes PCT	E16000016	29	27	93.1	Full data submitted
5QE	Oxfordshire PCT	E16000135	14	14	100.0	Full data submitted
5FE	Portsmouth City Teaching PCT	E16000027	11	9	81.8	Full data submitted
5L1	Southampton City PCT	E16000054	16	16	100.0	Full data submitted
<b>Q39</b>	<b>South West</b>	<b>E18000010</b>				
5FL	Bath & North East Somerset PCT	E16000028	*	*	*	Full data submitted
5QN	Bournemouth & Poole PCT	E16000143	*	*	*	Full data submitted
5QJ	Bristol PCT <sup>(3)</sup>	E16000139	*	*	*	Full data submitted
5QP	Cornwall & Isles of Scilly PCT	E16000144	-	-	-	Data not available
5QQ	Devon PCT	E16000145	0	0	-	Full data submitted
5QM	Dorset PCT <sup>(3)</sup>	E16000142	0	0	-	Full data submitted
5QH	Gloucestershire PCT	E16000138	7	6	85.7	Full data submitted
5M8	North Somerset PCT	E16000069	-	-	-	Data not available
5F1	Plymouth Teaching PCT	E16000024	3	3	100.0	Full data submitted
5QL	Somerset PCT	E16000141	*	*	*	Full data submitted
5A3	South Gloucestershire PCT	E16000001	-	-	-	Data not available
5K3	Swindon PCT	E16000044	7	7	100.0	Full data submitted
TAL	Torbay Care Trust	E17000003	0	0	-	Full data submitted
5QK	Wiltshire PCT	E16000140	8	8	100.0	Full data submitted

- Data not available

\* Some figures in the above table have been suppressed due to potential disclosure issues associated with small numbers.

<sup>(1)</sup> Total number of children reaching their first birthday during the specified evaluation period with maternal Hep B positive status.

<sup>(2)</sup> Total number of children from <sup>(1)</sup> receiving 3 doses of Hep B before their 1st birthday.

<sup>(3)</sup> Trust has reported that the data submitted either is or may be incomplete (i.e. that there are or may be more children eligible and vaccinated than reported).

<sup>(4)</sup> Trust has only been able to report data for 2 out of 4 quarters.

### Important Note on Data Quality

These statistics are published as 'experimental statistics' as they are undergoing evaluation. The figures presented have been reported by Trusts through the COVER programme. A large number of Trusts reported that they were unable to supply some or all of the data required on infants born to hepatitis B positive mothers. (see Annex A of NHS Immunisation Statistics, England, 2012-13 for more information). It would therefore be inadvisable to draw conclusions from these data and it should be noted that no regional or national coverage figures have been published. It is hoped that Trusts that have been unable to submit data for 2012-13 are encouraged to review their systems for obtaining these data and take the necessary actions to ensure that they are able to submit data in future years.

Source: COVER

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# NHS Immunisation Statistics, England 2012-13

**Table A2: Experimental Statistics - Percentage of children immunised for Hepatitis B by their 2nd birthday, by Primary Care Organisation 2012-13**

See *Important Note on Data Quality* below

						<div style="background-color: #d9ead3;">Full data submitted</div> <div style="background-color: #fcf8e3;">Number immunised or eligible population only submitted</div> <div style="background-color: #f2dede;">Data not available</div>	
SHA & PCO Codes	ONS Code	Eligible population <sup>(1)</sup>	Number of children immunised <sup>(2)</sup>	Coverage (%)			Data type
<b>England</b>							
<b>Q30</b>	<b>North East</b>	<b>E18000001</b>					
5ND	County Durham PCT	E16000085	0	0	-	Full data submitted	
5J9	Darlington PCT	E16000041	-	-	-	Data not available	
5KF	Gateshead PCT	E16000050	*	*	*	Full data submitted	
5D9	Hartlepool PCT	E16000019	-	-	-	Data not available	
5KM	Middlesbrough PCT	E16000053	-	-	-	Data not available	
5D7	Newcastle PCT	E16000017	20	20	100.0	Full data submitted	
5D8	North Tyneside PCT	E16000018	*	*	*	Full data submitted	
TAC	Northumberland Care Trust PCT	E17000001	*	*	*	Full data submitted	
5QR	Redcar & Cleveland PCT	E16000146	-	-	-	Data not available	
5KG	South Tyneside PCT	E16000051	0	0	-	Full data submitted	
5E1	Stockton-on-Tees Teaching PCT	E16000020	-	-	-	Data not available	
5KL	Sunderland Teaching PCT	E16000052	6	5	83.3	Full data submitted	
<b>Q31</b>	<b>North West</b>	<b>E18000002</b>					
5HG	Ashton, Leigh & Wigan PCT	E16000032	*	*	*	Full data submitted	
TAP	Blackburn and Darwen Teaching PCT Plus	E17000006	4	*	*	Full data submitted	
5HP	Blackpool PCT <sup>(3)</sup>	E16000033	0	0	-	Full data submitted	
5HQ	Bolton PCT	E16000034	16	8	50.0	Full data submitted	
5JX	Bury PCT	E16000043	-	1	-	Number immunised or eligible population only submitted	
5NP	Central & Eastern Cheshire PCT	E16000095	*	*	*	Full data submitted	
5NG	Central Lancashire PCT <sup>(4)</sup>	E16000088	8	8	100.0	Full data submitted	
5NE	Cumbria PCT	E16000086	0	0	-	Full data submitted	
5NH	East Lancashire PCT	E16000089	4	3	75.0	Full data submitted	
5NM	Halton & St Helens PCT	E16000093	0	0	-	Full data submitted	
5NQ	Heywood, Middleton & Rochdale PCT	E16000096	-	21	-	Number immunised or eligible population only submitted	
5J4	Knowsley PCT	E16000038	*	*	*	Full data submitted	
5NL	Liverpool PCT	E16000092	10	10	100.0	Full data submitted	
5NT	Manchester PCT	E16000098	74	62	83.8	Full data submitted	
5NF	North Lancashire PCT <sup>(3)</sup>	E16000087	0	0	-	Full data submitted	
5J5	Oldham PCT	E16000039	59	24	40.7	Full data submitted	
5F5	Salford PCT	E16000025	18	18	100.0	Full data submitted	
5NJ	Sefton PCT	E16000090	5	2	40.0	Full data submitted	
5F7	Stockport PCT	E16000026	4	3	75.0	Full data submitted	
5LH	Tameside & Glossop PCT	E16000062	37	8	21.6	Full data submitted	
5NR	Trafford PCT	E16000097	7	4	57.1	Full data submitted	
5J2	Warrington PCT	E16000037	-	-	-	Data not available	
5NN	Western Cheshire PCT	E16000094	4	2	50.0	Full data submitted	
5NK	Wirral PCT	E16000091	2	-	-	Number immunised or eligible population only submitted	
<b>Q32</b>	<b>Yorkshire &amp; the Humber</b>	<b>E18000003</b>					
5JE	Barnsley PCT	E16000042	*	*	*	Full data submitted	
5NY	Bradford & Airedale PCT	E16000102	32	31	96.9	Full data submitted	
5J6	Calderdale PCT	E16000040	5	5	100.0	Full data submitted	
5N5	Doncaster PCT	E16000078	8	8	100.0	Full data submitted	
5NW	East Riding of Yorkshire PCT	E16000100	-	-	-	Data not available	
5NX	Hull PCT	E16000101	-	-	-	Data not available	
5N2	Kirklees PCT	E16000075	15	12	80.0	Full data submitted	
5N1	Leeds PCT	E16000074	41	39	95.1	Full data submitted	
TAN	North East Lincolnshire	E17000005	0	0	-	Full data submitted	
5EF	North Lincolnshire PCT	E16000021	*	*	*	Full data submitted	
5NV	North Yorkshire & York PCT	E16000099	9	8	88.9	Full data submitted	
5H8	Rotherham PCT	E16000031	-	-	-	Data not available	
5N4	Sheffield PCT	E16000077	25	23	92.0	Full data submitted	
5N3	Wakefield District PCT	E16000076	5	5	100.0	Full data submitted	

# NHS Immunisation Statistics, England 2012-13

**Table A2: Experimental Statistics - Percentage of children immunised for Hepatitis B by their 2nd birthday, by Primary Care Organisation 2012-13**

See *Important Note on Data Quality* below

						Full data submitted
						Number immunised or eligible population only submitted
						Data not available
SHA & PCO Codes	ONS Code	Eligible population <sup>(1)</sup>	Number of children immunised <sup>(2)</sup>	Coverage (%)		Data type
<b>England</b>						
<b>Q33</b>	<b>East Midlands</b>	<b>E18000004</b>				
5ET	Bassetlaw PCT	E16000023	-	-	-	Data not available
5N7	Derby City PCT	E16000080	15	14	93.3	Full data submitted
5N6	Derbyshire County PCT	E16000079	5	5	100.0	Full data submitted
5PC	Leicester City PCT	E16000113	-	-	-	Data not available
5PA	Leicestershire County & Rutland PCT	E16000112	-	-	-	Data not available
5N9	Lincolnshire PCT	E16000082	66	6	9.1	Full data submitted
5PD	Northamptonshire PCT	E16000114	18	16	88.9	Full data submitted
5EM	Nottingham City PCT	E16000022	16	13	81.3	Full data submitted
5N8	Nottinghamshire County PCT	E16000081	9	7	77.8	Full data submitted
<b>Q34</b>	<b>West Midlands</b>	<b>E18000005</b>				
5PG	Birmingham East & North PCT	E16000117	-	-	-	Data not available
5MD	Coventry Teaching PCT	E16000070	21	21	100.0	Full data submitted
5PE	Dudley PCT	E16000115	4	4	100.0	Full data submitted
5MX	Heart of Birmingham Teaching PCT	E16000073	-	-	-	Data not available
5CN	Herefordshire PCT	E16000015	0	0	-	Full data submitted
5PH	North Staffordshire PCT	E16000118	0	0	-	Full data submitted
5PF	Sandwell PCT	E16000116	20	19	95.0	Full data submitted
5M2	Shropshire County PCT	E16000065	-	-	-	Data not available
TAM	Solihull Care Trust	E17000004	-	-	-	Data not available
5M1	South Birmingham PCT	E16000064	-	-	-	Data not available
5PK	South Staffordshire PCT	E16000120	10	7	70.0	Full data submitted
5PJ	Stoke on Trent PCT	E16000119	17	17	100.0	Full data submitted
5MK	Telford & Wrekin PCT	E16000071	-	-	-	Data not available
5M3	Walsall Teaching PCT	E16000066	5	3	60.0	Full data submitted
5PM	Warwickshire PCT	E16000122	9	9	100.0	Full data submitted
5MV	Wolverhampton City PCT	E16000072	16	9	56.3	Full data submitted
5PL	Worcestershire PCT	E16000121	-	-	-	Data not available
<b>Q35</b>	<b>East of England</b>	<b>E18000006</b>				
5P2	Bedfordshire PCT	E16000104	*	*	*	Full data submitted
5PP	Cambridgeshire PCT	E16000124	*	*	*	Full data submitted
5PR	Great Yarmouth & Waveney PCT	E16000126	3	3	100.0	Full data submitted
5QV	Hertfordshire PCT	E16000150	32	31	96.9	Full data submitted
5GC	Luton PCT	E16000029	24	22	91.7	Full data submitted
5PX	Mid Essex PCT	E16000130	*	*	*	Full data submitted
5PQ	Norfolk PCT	E16000125	15	12	80.0	Full data submitted
5PW	North East Essex PCT	E16000129	-	-	-	Data not available
5PN	Peterborough PCT	E16000123	9	9	100.0	Full data submitted
5P1	South East Essex PCT <sup>(3)</sup>	E16000103	*	*	*	Full data submitted
5PY	South West Essex PCT	E16000131	17	17	100.0	Full data submitted
5PT	Suffolk PCT	E16000127	5	5	100.0	Full data submitted
5PV	West Essex PCT	E16000128	6	5	83.3	Full data submitted
<b>Q36</b>	<b>London</b>	<b>E18000007</b>				
5C2	Barking & Dagenham PCT	E16000009	25	22	88.0	Full data submitted
5A9	Barnet PCT	E16000006	4	2	50.0	Full data submitted
TAK	Bexley Care Trust PCT	E17000002	17	14	82.4	Full data submitted
5K5	Brent Teaching PCT	E16000045	-	-	-	Data not available
5A7	Bromley PCT	E16000004	7	7	100.0	Full data submitted
5K7	Camden PCT	E16000047	14	13	92.9	Full data submitted
5C3	City & Hackney Teaching PCT	E16000010	-	-	-	Data not available
5K9	Croydon PCT	E16000049	-	-	-	Data not available
5HX	Ealing PCT	E16000035	26	21	80.8	Full data submitted
5C1	Enfield PCT	E16000008	17	5	29.4	Full data submitted
5A8	Greenwich Teaching PCT	E16000005	69	65	94.2	Full data submitted
5H1	Hammersmith & Fulham PCT	E16000030	-	-	-	Data not available



# NHS Immunisation Statistics, England 2012-13

**Table A2: Experimental Statistics - Percentage of children immunised for Hepatitis B by their 2nd birthday, by Primary Care Organisation 2012-13**

See *Important Note on Data Quality* below

		Full data submitted		Number immunised or eligible population only submitted		Data not available	
SHA & PCO Codes	ONS Code	Eligible population <sup>(1)</sup>	Number of children immunised <sup>(2)</sup>	Coverage (%)			Data type
<b>England</b>							
5C9	Haringey Teaching PCT	E16000013	80	78	97.5	Full data submitted	
5K6	Harrow PCT	E16000046	-	-	-	Data not available	
5A4	Havering PCT	E16000002	8	3	37.5	Full data submitted	
5AT	Hillingdon PCT	E16000007	23	23	100.0	Full data submitted	
5HY	Hounslow PCT	E16000036	20	9	45.0	Full data submitted	
5K8	Islington PCT	E16000048	81	52	64.2	Full data submitted	
5LA	Kensington & Chelsea PCT	E16000056	-	-	-	Data not available	
5A5	Kingston PCT	E16000003	16	2	12.5	Full data submitted	
5LD	Lambeth PCT	E16000058	12	12	100.0	Full data submitted	
5LF	Lewisham PCT	E16000060	73	71	97.3	Full data submitted	
5C5	Newham PCT	E16000012	66	64	97.0	Full data submitted	
5NA	Redbridge PCT	E16000083	11	8	72.7	Full data submitted	
5M6	Richmond & Twickenham PCT	E16000067	5	2	40.0	Full data submitted	
5LE	Southwark PCT	E16000059	35	32	91.4	Full data submitted	
5M7	Sutton & Merton PCT	E16000068	10	9	90.0	Full data submitted	
5C4	Tower Hamlets PCT	E16000011	14	8	57.1	Full data submitted	
5NC	Waltham Forest PCT	E16000084	54	49	90.7	Full data submitted	
5LG	Wandsworth PCT	E16000061	27	23	85.2	Full data submitted	
5LC	Westminster PCT	E16000057	-	-	-	Data not available	
<b>Q37</b>	<b>South East Coast</b>	<b>E18000008</b>					
5LQ	Brighton & Hove City PCT	E16000063	*	*	*	Full data submitted	
5P7	East Sussex Downs & Weald PCT	E16000109	-	-	-	Data not available	
5QA	Eastern & Coastal Kent PCT	E16000132	29	12	41.4	Full data submitted	
5P8	Hastings & Rother PCT	E16000110	-	-	-	Data not available	
5L3	Medway PCT	E16000055	19	11	57.9	Full data submitted	
5P5	Surrey PCT	E16000107	4	4	100.0	Full data submitted	
5P6	Sussex Community NHS Trust	E16000108	6	4	66.7	Full data submitted	
5P9	West Kent PCT	E16000111	19	14	73.7	Full data submitted	
<b>Q38</b>	<b>South Central</b>	<b>E18000009</b>					
5QG	Berkshire East PCT	E16000137	32	27	84.4	Full data submitted	
5QF	Berkshire West PCT	E16000136	23	19	82.6	Full data submitted	
5QD	Buckinghamshire PCT	E16000134	8	4	50.0	Full data submitted	
5QC	Hampshire PCT	E16000133	-	-	-	Data not available	
5QT	Isle of Wight Healthcare PCT	E16000147	0	0	-	Full data submitted	
5CQ	Milton Keynes PCT	E16000016	22	19	86.4	Full data submitted	
5QE	Oxfordshire PCT	E16000135	19	19	100.0	Full data submitted	
5FE	Portsmouth City Teaching PCT	E16000027	6	6	100.0	Full data submitted	
5L1	Southampton City PCT	E16000054	11	9	81.8	Full data submitted	
<b>Q39</b>	<b>South West</b>	<b>E18000010</b>					
5FL	Bath & North East Somerset PCT	E16000028	6	6	100.0	Full data submitted	
5QN	Bournemouth & Poole PCT <sup>(3)</sup>	E16000143	-	-	-	Full data submitted	
5QJ	Bristol PCT <sup>(3)</sup>	E16000139	*	*	*	Full data submitted	
5QP	Cornwall & Isles of Scilly PCT	E16000144	-	-	-	Data not available	
5QQ	Devon PCT	E16000145	3	*	*	Full data submitted	
5QM	Dorset PCT <sup>(3)</sup>	E16000142	*	*	*	Full data submitted	
5QH	Gloucestershire PCT	E16000138	7	5	71.4	Full data submitted	
5M8	North Somerset PCT	E16000069	-	-	-	Data not available	
5F1	Plymouth Teaching PCT	E16000024	17	7	41.2	Full data submitted	
5QL	Somerset PCT	E16000141	*	*	*	Full data submitted	
5A3	South Gloucestershire PCT	E16000001	-	-	-	Data not available	
5K3	Swindon PCT	E16000044	8	8	100.0	Full data submitted	
TAL	Torbay Care Trust	E17000003	*	*	*	Full data submitted	
5QK	Wiltshire PCT	E16000140	7	7	100.0	Full data submitted	

- Data not available

\* Some figures in the above table have been suppressed due to potential disclosure issues associated with small numbers.

# NHS Immunisation Statistics, England 2012-13

**Table A2: Experimental Statistics - Percentage of children immunised for Hepatitis B by their 2nd birthday, by Primary Care Organisation 2012-13**

See *Important Note on Data Quality* below

		<div style="background-color: #d9ead3; padding: 2px;">Full data submitted</div> <div style="background-color: #fcf8e3; padding: 2px;">Number immunised or eligible population only submitted</div> <div style="background-color: #f2dede; padding: 2px;">Data not available</div>			
SHA & PCO Codes	ONS Code	Eligible population <sup>(1)</sup>	Number of children immunised <sup>(2)</sup>	Coverage (%)	Data type
<b>England</b>					

<sup>(1)</sup> Total number of children reaching their second birthday during the specified evaluation period with maternal Hep B positive status.

<sup>(2)</sup> Total number of children from <sup>(1)</sup> receiving 4 doses of Hep B before their 2nd birthday.

<sup>(3)</sup> Trust has reported that the data submitted either is or may be incomplete (i.e. that there are or may be more children eligible and vaccinated than reported).

<sup>(4)</sup> Trust has only been able to report data for 2 out of 4 quarters.

### Important Note on Data Quality

These statistics are published as 'experimental statistics' as they are undergoing evaluation. The figures presented have been reported by Trusts through the COVER programme. A large number of Trusts reported that they were unable to supply some or all of the data required on infants born to hepatitis B positive mothers. (see Annex A of NHS Immunisation Statistics, England, 2012-13 for more information). It would therefore be inadvisable to draw conclusions from these data and it should be noted that no regional or national coverage figures have been published. It is hoped that Trusts that have been unable to submit data for 2012-13 are encouraged to review their systems for obtaining these data and take the necessary actions to ensure that they are able to submit data in future years.

Source: COVER

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