

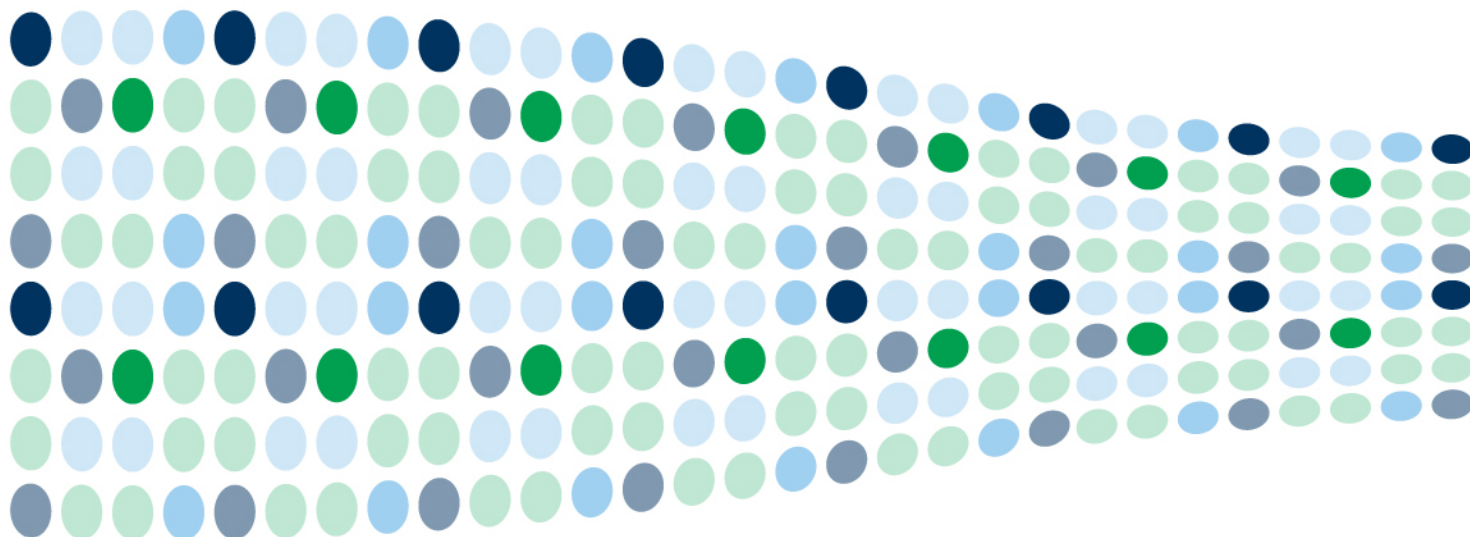


Health & Social Care
Information Centre



NHS Immunisation Statistics

England 2013-14



Published 25 September 2014

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This report may be of interest to members of the public, policy officials and other stakeholders to make local and national comparisons and to monitor the quality and effectiveness of services.

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This is a National Statistics publication

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.

Find out more about the Code of Practice for Official Statistics at www.statisticsauthority.gov.uk/assessment/code-of-practice

Executive Summary

This publication reports immunisation statistics for England for 2013-14. 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 also contribute to indicators for the government's Public Health Outcomes Framework (PHOF).

Most of the vaccination data used in this report are collected annually from Child Health Record Departments (CHRDs) and Area Teams, and are extracted from Child Health Information Systems (CHIS). Data on seasonal flu are collected from GP practices. The statistics are presented at a national and regional level and by Upper Tier Local Authority (LA). Statistics are also presented by Area Team in the Data Tables. Some Local Authority data has been estimated based on data submitted for Primary Care Trusts.

The KC50 data collection has been suspended following a review in 2013 and data on persons receiving BCG vaccinations for tuberculosis and on reinforcing doses of diphtheria, tetanus and polio given to school leavers are therefore not available for publication.

Main Findings

Some caution should be exercised when comparing coverage figures over time due to data quality issues reported by some data suppliers in recent years. 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.

National coverage figures reported for most routine childhood vaccinations fell slightly in 2013-14, although coverage for Measles Mumps and Rubella (MMR) as measured at 2 years and MMR and *Haemophilus influenzae* type b/Meningococcal group C (Hib/MenC) at 5 years all showed small increases.

There was some regional variation in coverage across the country with levels of immunisation for most routine childhood vaccinations as measured at one, two and five years highest in the North East. Coverage levels were lowest in London for all routine childhood vaccinations.

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

In 2013-14, 94.3% of children reaching their first birthday were reported to have completed primary immunisation courses against Diphtheria, Tetanus, Pertussis, Polio and *Haemophilus influenzae* type b (DTaP/IPV/Hib). This compares with 94.7% in 2012-13.

Although DTaP/IPV/Hib coverage in England at 12 months remains below the World Health Organisation (WHO) target of 'at least 95%', at a local level 91 LAs (out of 149) had coverage levels of 95% and above.

Coverage was 95% or over in 20 out of 25 (80%) Area Teams.

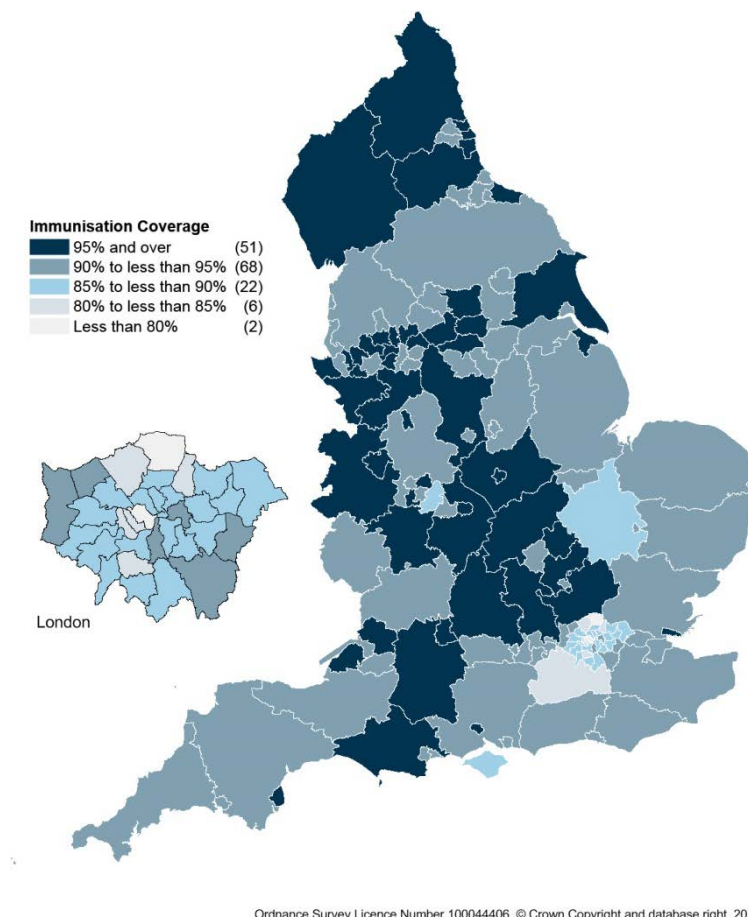
Measles Mumps and Rubella (MMR)

Coverage of MMR vaccine in England for children reaching their second birthday rose to 92.7% in 2013-14 compared to 92.3% in 2012-13. This is the sixth consecutive year that a rise in MMR coverage has been reported and coverage is at its highest level since the vaccine was first introduced in 1988. Despite increases in recent years, MMR coverage in England is still below the WHO target of 'at least 95%' coverage.

Coverage of MMR1 at 24 months at LA level is shown in the map below which highlights the lower levels of immunisation in many London LAs. Vaccination coverage of 95% or more was reported for just over a third of LAs (51 out of 149).

MMR coverage at 24 months

England by Upper Tier Local Authority, 2013-14



Nine Area Teams met the WHO target of 'at least 95%' coverage.

In 2013-14, 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 2013-14. 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 also contribute to indicators for the government's Public Health Outcomes Framework (PHOF)¹.

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.

Routine Childhood Immunisations

Currently the European Region of the World Health Organisation (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)². The routine childhood immunisation programme for the UK includes these immunisations recommended by WHO as well as a

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

² Source: http://www.euro.who.int/_data/assets/pdf_file/0010/98398/wa540ga199heeng.pdf

number of others as defined by the Public Health England in 'Immunisation against infectious diseases – the Green Book'³. The schedule for the programme is shown in Table A below. In 2013-14, the introduction of influenza vaccination for healthy children was begun with vaccine offered to all children aged two and three years of age.

Table A: Routine childhood immunisations as of September 2014

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
Children's flu vaccine*	Aged 2, 3 or 4 on 1 st September	Annual vaccination
Diphtheria, tetanus, pertussis, and polio (dTaP/IPV or DTaP/IPV)	3yrs/4 months to 5 years	Booster: 3 years after completion of primary course
Measles/mumps/rubella (MMR)	3yrs/4 months to 5 years	Second dose
Human papillomavirus (HPV)**	Girls aged 12-13 years	Course of 3 doses
Diphtheria, tetanus and polio (Td/IPV) MenC	Around 14 years	Booster

*Children's flu vaccination information is not included in this report. This is published separately and the latest publications on children's flu are available through the following links: <https://www.gov.uk/government/publications/influenza-immunisation-programme-for-england-gp-patient-groups-data-collection-survey-season-2013-to-2014> and <https://www.gov.uk/government/statistics/seasonal-flu-vaccine-uptake-in-gp-patients-1-september-2013-to-31-january-2014>.

**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 July 2014 is available at:

<https://www.gov.uk/government/publications/routine-childhood-immunisations-from-july-2014>

³ Source: <https://www.gov.uk/government/collections/immunisation-against-infectious-disease-the-green-book>

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 as of September 2014

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 has been suspended following a review in 2013. 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' 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/collections/immunisation-against-infectious-disease-the-green-book>

Influenza Immunisations for adults aged 65 and over and other 'at risk' groups

In 2013-14, 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 WHO decides are most likely to be circulating in the coming

winter⁴. 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 2013-14 is available from Public Health England:

<https://www.gov.uk/government/publications/seasonal-flu-vaccine-uptake-in-gp-patients-1-september-2013-to-31-january-2014>

<https://www.gov.uk/government/publications/seasonal-influenza-vaccine-uptake-amongst-frontline-hcws-in-england-winter-season-2013-to-2014>

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

<https://www.gov.uk/government/publications/annual-flu-reports>

1.2 Quality Statement

1.2.1 Data Sources

Most of the vaccination data used in this report are collected annually from Child Health Record Departments (CHRDs) and Area Teams and are extracted from Child Health Information Systems (CHISs). 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. These aggregated data are collected from CHISs which are computerised systems storing clinical records supporting health promotion and prevention activities for children, including immunisation. In England, COVER data for 2013-14 have been collected for Upper Tier Local Authorities (LAs) and Primary Care Trusts (PCTs) using the COVER data collection form, attached as Appendix H.

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. This Information is collected from GPs through PHE's ImmForm⁵ system.

⁴ Source: https://www.gov.uk/government/uploads/system/uploads/attachment_data/file/147958/Green-Book-Chapter-19-y4_71.pdf

⁵ 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>

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:

http://www.datadictionary.nhs.uk/data_dictionary/messages/central_return_forms/community/cover/cover_1_fr.asp?shownav=1

Further information on the COVER collection can be found in the Health and Social Care Information Centre's (HSCIC) 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 D 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) and automated processes developed in SQL⁶ and SAS⁷.

The COVER data for all vaccinations, with the exception of selective neonatal hepatitis B, are reported by LA responsible population for the first time this year and although most CHRDs/Area Teams have been able to supply these data, in some cases LA data has been estimated from PCT data (see 'Impact of NHS reorganisation' in section 1.2.7 and the section on 'LA responsible population' below for more information). As this is the first year of reporting by LA, PCT data are also included in Annex B to enable coverage to be compared at a local level on a like-for-like basis across 2012-13 and 2013-14. See publication web page:

⁶ Structured Query Language (SQL) is a programming language designed for managing data in relational database management systems.

⁷ Statistical Analysis System (SAS) is an integrated system of software products which enables functions such as data management, statistical analysis and quality improvement.

<http://www.hscic.gov.uk/pubs/immstats1314>

Selective neonatal hepatitis B coverage data continue to be reported by PCT responsible population. Some or all of the data required on infants born to hepatitis B positive mothers could not be supplied for a large number of LAs/PCTs and for a number of others there were data quality issues. It has therefore not been possible to estimate figures for LAs or describe the quality/completeness of LA data with any accuracy.

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)
- Hib/MenC booster (Hib/MenC)
- Measles/mumps/rubella (MMR)

Meningococcal group C (MenC) coverage which is usually included in this report is not published this year due to data quality issues (see 'Changes to the UK Immunisation Programme' in section 1.2.7 for more information)

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.

Coverage⁸: Coverage is defined as the number of persons immunised as a proportion of the eligible population. The formula for the calculation of coverage is:

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

⁸ 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).

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 in the LA responsible population, reaching their nth birthday in the collection year (see below for more information on the LA responsible population). 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 2014 were eligible to receive flu vaccine in the 2013-14 vaccination programme. The eligible population is derived from GP systems and for each LA includes those persons registered with a GP practice located within the LA's geographical boundary. The eligible population does not include those who are not registered with a GP.

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

LA responsible population:

Where data are reported by LA responsible population, coverage figures are supplied for patients registered with GPs based in that LA and for unregistered patients who were resident in that LA. The LA responsible population is therefore different from the estimated *resident* population figures produced by the Office of National Statistics (ONS) for each LA. For the COVER collection, the LA *responsible* population is usually derived from the population registers held on Child Health Information Systems.

For LAs that share the same geographical boundaries as the old PCTs (i.e. are coterminous), the LA responsible population is the same as the old PCT responsible population. Where LA and PCT boundaries are not coterminous, data suppliers were asked to supply figures for the LA responsible population if these were available. Where data suppliers were not able to provide data for the LA responsible population, the HSCIC has estimated LA figures by apportioning PCT data on the basis of population (see below for more information on the apportioning methodology).

For the 2013-14 collection, data for the 152 Upper Tier Local Authorities were derived as follows:

- For the 107 LAs that have exactly the same boundaries as the PCT, the PCT data were used.
- For four LAs, PCT data were added together (this applies in cases where two or more PCTs together form an exact match for the LA)
- Data on the LA responsible population was provided by CHRDs/Area Teams for 13 LAs that were not coterminous with PCTs.
- Data for 28 LAs (18.4%) were estimated based on apportioned PCT data.

The local and regional statistics reported in this publication are therefore based on an LA dataset that includes some estimated data. National figures are not estimates. As the dataset combines estimated LA data and reported LA data, LA figures do not sum to equal national or regional totals.

Appendix I details how the LA data for each LA was derived.

Apportioning PCT data to create LA data

Where LAs and PCTs are not coterminous and data suppliers were unable to supply data by LA responsible population, PCT data have either been added together to create LAs (where two or more PCTs together form an exact match for the LA) or have been split and weighted according to population to create LAs.

Where a PCT is split across two or more LAs, population data from ONS Output Areas, which fit both the LA and PCT boundaries, have been used to estimate the percentage of the PCT population that falls within each LA. This estimate is then used to create a weighting which is applied to the vaccination data to produce the LA figures. For example, if 75% of PCT1's population falls within LA1 and 25% of PCT1's population falls within LA2, then 75% of the PCT1s eligible population and 75% of PCT1s vaccinated population will be allocated to LA1. LA2 will receive 25% of PCT1's eligible and vaccinated population.

For LAs whose boundaries are contained wholly within a single PCT, but are not equal to the whole PCT, the LA counts are estimated as a proportion of the PCT figure (based on population data from ONS Output Areas).

Some caution should be exercised when using LA data created from apportioned PCT data as the weightings used are based on population counts and therefore do not take account of variation in coverage across a PCT. One PCT may, for example, have some areas where vaccination coverage is relatively high and others where it is relatively low, yet where

apportioning is used the *overall* coverage data for the PCT is split to create the LA data, regardless of which parts of the PCT fall into which LAs. This could lead to coverage figures in some LAs being either under or overestimated.

The file used to create the apportioned data which contains more information on methodology as well as the weightings used, was produced by PHE and is available through the following link:

<http://www.phine.org.uk/news.php?nid=2688>

This is the same methodology that was used to calculate the Public Health Outcome Framework indicators 3.03 for LAs for previous years. See:

<http://www.phoutcomes.info/public-health-outcomes-framework#gid/1000043/par/E12000004>

This year most of the PHOF 3.03 indicators will be sourced from the National Statistics reported in this publication.

Apportioning PCT data to create regional and Area Team data

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.

LA regional coverage figures have been calculated from aggregating PCT data. All PCTs fit wholly within regional boundaries with the exception of Swindon and Tameside and Glossop PCTs. These two PCTs are split across two regions each and their data have been apportioned on the basis of population in the same way as the LA data.

1.2.3 Relevance

Appendix E 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 data suppliers and data are published for all LAs. However, coverage figures have not been published for the following vaccinations measured at five years for two Local Authorities due to data quality issues:

DTaP/IPV/Hib Trafford

DTaP/IPV Hammersmith and Fulham

Some caution should be exercised when comparing coverage figures over time due to data quality issues reported by some data suppliers in recent years. 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. Similarly, some caution should also be exercised when comparing coverage between different areas where data quality issues have been reported.

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

Flu Data

For seasonal flu vaccination in those aged 65 years and over, coverage data are based on submissions made for GP practices. The data represents 99.8% of GP practices in England⁹.

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).

⁹ Data Source: PHE – Seasonal flu vaccine uptake in GP patients, final data from 1 Sept 2013 to 31 Jan 2014: by Local Authority. Public Health England <https://www.gov.uk/government/publications/seasonal-flu-vaccine-uptake-in-gp-patients-1-september-2013-to-31-january-2014>

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

<http://www.hscic.gov.uk/searchcatalogue?productid=12410&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:

<http://www.hscic.gov.uk/pubs/immstats1314>

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 LA or PCT 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 1997-98¹⁰. 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 immunisation programme have been made over the last 10 years and these are detailed in full in Appendix C. Changes in the 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 data quality in the first year(s) following the introduction of a vaccine or when the number of doses required or the timing of doses is changed.

¹⁰ 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

The most recent changes to the national immunisation programme were 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. From autumn 2013, immunisation has been offered to all healthy children aged two and three years on 1 September 2013 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.

Data for the first children vaccinated against Rotavirus, evaluated at 12 months of age, will be collected for 2014-15.

Immunisation coverage statistics for children vaccinated against seasonal flu are collected by PHE and are available through the following links:

<https://www.gov.uk/government/publications/influenza-immunisation-programme-for-england-gp-patient-groups-data-collection-survey-season-2013-to-2014>

and

<https://www.gov.uk/government/statistics/seasonal-flu-vaccine-uptake-in-gp-patients-1-september-2013-to-31-january-2014> .

Data on children vaccinated against MenC are already collected through the COVER collection but PHE have reported that the change in the MenC schedule, which was implemented part way through the collection year, has impacted on data quality.

Children who were born before March 2013 would have been due to receive two doses of MenC vaccine at three and four months. However, if they had not had their second dose by

1 June 2013 when the policy change came into effect (due to a missed appointment, for example), they would not have needed a second dose (unless Meningitec® was used for the first dose, in which case the two dose schedule was still indicated). Those born in March 2013 would have been due to receive just one dose of MenC vaccine at three months.

PHE have reported (Public Health England, 2014) that data extracted from some CHIS only recorded children as vaccinated if they had received two doses of MenC vaccine (as was the requirement prior to 1 June 2013). Where this was the case, children born in March 2013 who would have been offered only one dose, would not be counted as having completed their primary course leading to lower reported coverage in those areas. In addition, those who were born before March but had not had their second dose by 1st June and did not need one (due to the type of vaccination that had been used for their first dose) would also not be counted as having completed the MenC course.

In the PHE *Health Protection Report's quarterly COVER report* covering the January to March 2014 quarter, PHE state that the issue with reported MenC coverage at 12 months from some CHIS:

“..... is a technical rather than a delivery issue and it is expected that the true coverage of primary MenC continues to be similar to other vaccines evaluated at 12 months”.

PHE did not report MenC coverage at 12 months for the January to March 2014 quarter due to the data reporting problems described above and the annual MenC coverage figures are not reported in this publication for the same reason.

Impact of NHS Re-organisation

Prior to 1st April 2013, all NHS planning and delivery was undertaken by the Department of Health, Strategic Health Authorities (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 25 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 and the Data Tables include coverage statistics by these teams (see Tables 10c, 11c, 12c and 14b).

From April 2013, Local Authorities took on new responsibilities for public health and the statistics presented in this publication are therefore reported by Upper Tier Local Authority, rather than by PCT as in previous years.

Although vaccination coverage will be collected by LA resident population in future (in line with other PHOF indicators), for 2013-14 it was collected for the LA responsible population due to concerns around data quality in a period of reorganisation. Evidence from previous

reorganisations suggests that there can be an impact on data quality in the years immediately following reorganisation (Granerod et al, 2006). A recent PHE survey of data providers also found that collecting coverage data by LA resident population was likely to lead to a drop in vaccination coverage in some areas as the organisation with responsibility for delivery of the immunisation programme is different from the organisation with responsibility for data collection (Public Health England, 2013)¹¹. Data collection by LA resident population will also require changes to CHIS which take some time to implement. The necessary changes to CHIS systems to enable them to report by LA resident population are expected to be made in the next six months.

As this is the first year of reporting by LA, PCT data are also included in Annex A.

LA coverage figures for previous years are available through the Public Health Outcomes webpages:

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

Note that LA coverage figures for all non-coterminous LAs were estimated from PCT data to create the PHOF figures for 2012-13 and earlier. For 2013-14, coverage figures for 13 non-coterminous LAs were submitted by data suppliers (see section 1.2.2). Some caution should therefore be exercised if comparing the 2013-14 data from this publication to data for 2012-13 (and earlier years) published as part of the PHOF for the 13 LAs due to the different methodologies used.

Changes to the COVER data collection

Changes to the COVER collection form were made by PHE from April 2013 to enable collection by Local Authority. At the same time the COVER collection form was updated and data on MenC primary coverage (i.e. doses given before the first birthday) evaluated at 24 months and primary *Haemophilus Influenzae* type b (Hib) evaluated at 5 years are no longer requested.

Both MenC and Hib are age dependent vaccines. Protection against MenC and Hib infections provided by the Hib and MenC vaccines offered in the first few months of life diminishes during the second year of life (Public Health England, 2014) and therefore a Hib/MenC booster is offered at 12-13 months. Coverage of MenC and Hib vaccines after 12 months of age is therefore best assessed through the Hib/MenC booster measured at 24 months and 5 years. Primary MenC coverage figures at 24 months and primary Hib coverage at 5 years are therefore no longer published as part of this report.

¹¹ Health Protection Report, Volume 7 Numbers 40 , 4 October 2013

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 2013-14 are compared with the previous year and 5 year time series are shown. The time series for MMR vaccine coverage evaluated at two years and for completed Diphtheria vaccine coverage at one year are extended back to 1988. 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.

As this is the first year of reporting by LA, PCT figures for 2013-14 are included in Annex B on the publication webpage. PCT coverage figures for 2012-13 are available in last year's report enabling local areas to be compared on a like-for-like basis across the two years.

For LAs/PCTs that are coterminous (see Appendix I), the LA responsible population is the same as the old PCT responsible population and therefore PCT coverage figures from 2012-13 can be directly compared with LA figures for 2013-14.

Regional time series data for 2012-13 and earlier are based on aggregate PCT data. Regional figures for the South East have been aggregated from the South East Coast and South Central SHAs which share very similar geographical boundaries. Although most other regions share exactly the same geographical boundaries as the SHAs with the same name, for three others (South West, North West and East Midlands) the geographical boundaries differ slightly. This should be born in mind when comparing regional data from 2012-13 and earlier with data for 2013-14 as the changes in boundaries can, in some cases, have a small impact on coverage figures. The impact of the change on 2013-14 regional coverage data is between -0.1% and 0.1%, with most regional coverage figures unaffected to one decimal place.

Local and regional comparisons

The statistics are presented at a national and regional level and by Upper Tier Local Authority (LA). Due to the different sources and methods by which the LA data have been derived (see definition of LA responsible population under Definitions in section 1.2.2 'Methods used to compile the statistics'), the local LA data cannot be summed to equal the regional and national totals.

Statistics are also presented by Area Team in the Data Tables (Tables 10c, 11c and 12c).

PCT data available in Annex B are aggregated to the regional Strategic Health Authorities which were in existence prior to April 2013. Although most LA regions and Strategic Health Authorities share the same name, in some cases they do not share exactly the same

geographical boundaries and so these regional figures may differ by a small amount between the LA and PCT data sets.

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:

At 12 months	DTaP/IPV/Hib, MenC, PCV
At 24 months	DTaP/IPV/Hib, Hib/MenC, PCV, MMR
At 5 years	DTaP/IPV/Hib, DTaP/IPV, MMR1, MMR2 ¹² , 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

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>

¹² 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 5th birthday).

1.2.8 Performance cost and Respondent burden

The data used in the publication are aggregated LA/PCT level data gathered by PHE as part of their management of the immunisation programme. These are the only sources of the data required for the report.

All data collections used in this publication have been subject to the Review of Central Returns (ROCR) procedure and licensed by ROCR (from July 2014 replaced by the Burden Advice and Assessment Service (BAAS)). 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 in accordance with the Anonymisation Standard for Publishing Health and Social Care Data¹³. Disclosure controls have been applied to Tables A1 and A2 of Annex A on neonatal hepatitis B in accordance with the Standard.

The eligible populations in three LAs are very small and in these instances their data have been combined and reported under other LAs. Data for the Isles of Scilly are reported under Cornwall, City of London data are reported under Hackney and Rutland is reported under Leicestershire. Statistics in this report are therefore presented by 149 Upper Tier Local Authorities, three of which include another small LA.

1.3 Experimental Statistics

Neonatal Hepatitis B

Annual neonatal hepatitis B vaccine coverage data have previously been published by PHE for those areas that were able to provide data and are available for the years 2006-07 to 2009-10¹⁴. This is the fourth year that neonatal hepatitis B coverage data reported through the COVER programme are published in Annex A as 'experimental statistics'. They are published as experimental statistics as they are undergoing evaluation.

Data on infants born to hepatitis B positive mothers were not available for a large number of PCTs. 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.

¹³ Available from: <http://www.isb.nhs.uk/documents/isb-1523/amd-20-2010/1523202010spec.pdf>

¹⁴ Available from <http://www.hpa.org.uk/Topics/InfectiousDiseases/InfectionsAZ/VaccineCoverageAndCOVER/>

It is hoped Child Health Record Departments/Area Teams that have been unable to submit data for 2013-14 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.

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), details of Changes to the Immunisation programme since 2003 (Appendix C) information on Data Validation and Data Quality (Appendix D), How the Statistics are Used (Appendix E), Feedback from Users (Appendix F), Related Publications and Useful Web links (Appendix G), the COVER data collection form (Appendix H) and LA Data sources (Appendix I).

Annex A includes experimental statistics on hepatitis B. Annex B on the publication website includes coverage figures by PCT:

<http://www.hscic.gov.uk/pubs/immstats1314>

1.5 Changes to the Report

KC50

The KC50 data collection has been suspended following a review in 2013 and data on persons receiving BCG vaccinations for tuberculosis and on reinforcing doses of diphtheria, tetanus and polio given to school leavers are therefore not available for publication.

The review was undertaken to examine future information needs and following data supply and quality issues with the collection over a period of years. The findings of the review have been considered by PHE which is proposing the evaluation of Td/IPV coverage as part of a new annual adolescent immunisation data collection. Data on BCG vaccinations for children under the age of one will 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.

Reporting by Upper Tier Local Authority

From April 2013 Local Authorities took on new responsibilities for public health and the statistics presented in this publication are therefore reported by Upper Tier Local Authority, rather than by PCT as in previous years. See the 'Impact of NHS Re-organisation' in section 1.2.7 for more information.

Data Tables

Coverage of MenC at 24 months and Hib at 5 years are no longer reported (see 'Changes to the COVER data collection' in section 1.2.7. for more information).

Table 5c now includes coverage figures for DTaP/IPV/Hib (primary) at 5 years.

Table 14b has been added to the Data Tables showing coverage for persons aged 65 and over immunised against seasonal flu by Area Team.

Appendices

Two new appendices have been added this year as follows:

- Appendix C: Changes to the UK childhood immunisation programme
- Appendix I: LA data source

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 and other means is summarised in Appendix F 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 LAs) and reported through the COVER programme. Statistics are reported by responsible LA in the main report. Figures for some LAs have been estimated from PCT data (see section 1.2.2 on 'Methods used to compile the statistics' for more information).

Some caution should be exercised when comparing coverage figures over time due to data quality issues reported by some data suppliers in recent years. 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 D on Data Quality.

2.1.1 Overview

National coverage figures reported for most routine childhood vaccinations fell slightly in 2013-14, although coverage for MMR as measured at 2 years and MMR and Hib/MenC at 5 years all showed small increases.

There was some regional variation in coverage across the country with levels of immunisation for most routine childhood vaccinations as measured at one, two and five years highest in the North East. Coverage levels were lowest in London for all routine childhood vaccinations¹⁵.

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).

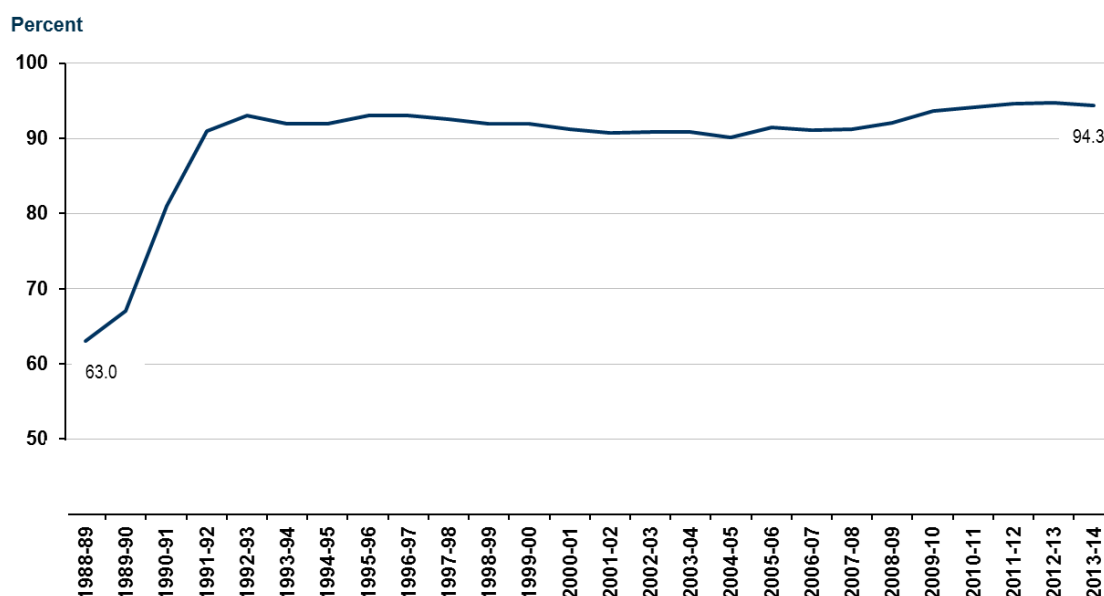
¹⁵ These regional differences remain even where figures are recalculated to exclude those LAs with data quality issues.

Coverage at 12 months – In 2013-14, 94.3% of children reaching their first birthday were reported to have completed primary immunisation courses against DTaP/IPV/Hib (three doses). This compares with 94.7% in 2012-13.

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: Primary diphtheria coverage¹⁶ at 12 months¹⁷

England 1988-89 to 2013-14



Figures from 2006-07 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 Tables 1 and 8 in the Data Tables section.

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

¹⁶ The primary diphtheria immunisation course is made up of three doses. Primary diphtheria coverage measures coverage of the third dose.

¹⁷ 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 D for more details.

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 1990¹⁸ 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 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.

Table C shows national and regional coverage of the third dose of DTaP/IPV/Hib vaccine over the last two years. Coverage in 2013-14 was highest in the East Midlands (96.5%) and lowest in London (89.8%).

Table C: DTaP/IPV/Hib coverage at 12 months by region

England by region, 2012-13 and 2013-14 Percentages

Region	Coverage of DTaP/IPV/Hib at 12 months	
	2012-13	2013-14
England	94.7	94.3
North East	96.5	96.4
North West	95.9	95.7
Yorkshire & The Humber	96.3	96.1
East Midlands	96.4	96.5
West Midlands	94.5	95.2
East of England	96.1	95.8
London	91.1	89.8
South East	94.4	93.6
South West	96.1	96.0

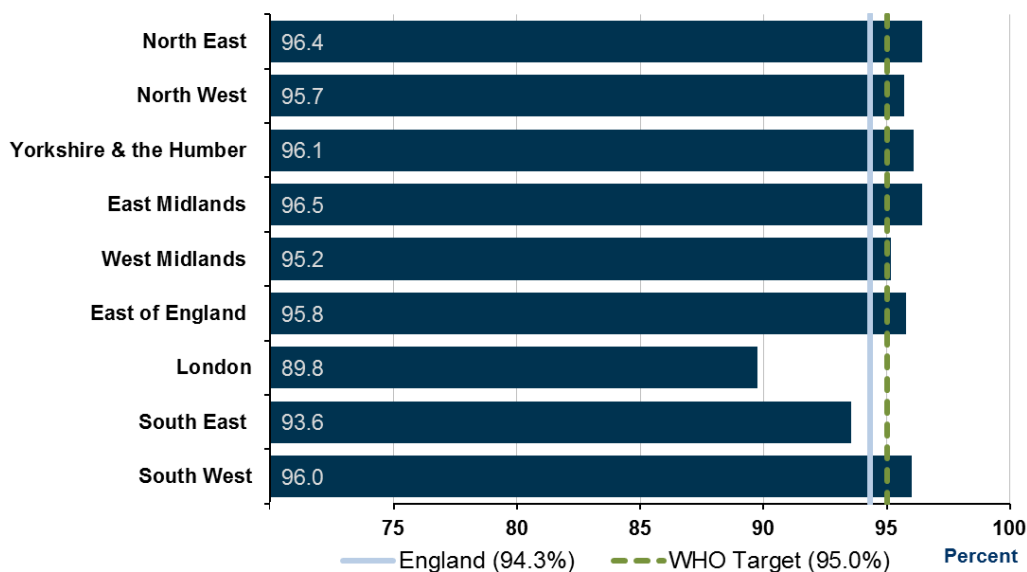
Source: COVER, Health and Social Care Information Centre. See also Table 10 in the Data Tables section.

¹⁸ Department of Health, Immunisation against Infectious disease. London: HMSO, 1990.

Figure 2 shows regional coverage for 2013-14 against the national average and the World Health Organisation (WHO) target of 'at least 95%'. Although coverage in England remains below the WHO target, it is at the target level in seven out of nine regions.

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

England by region, 2013-14

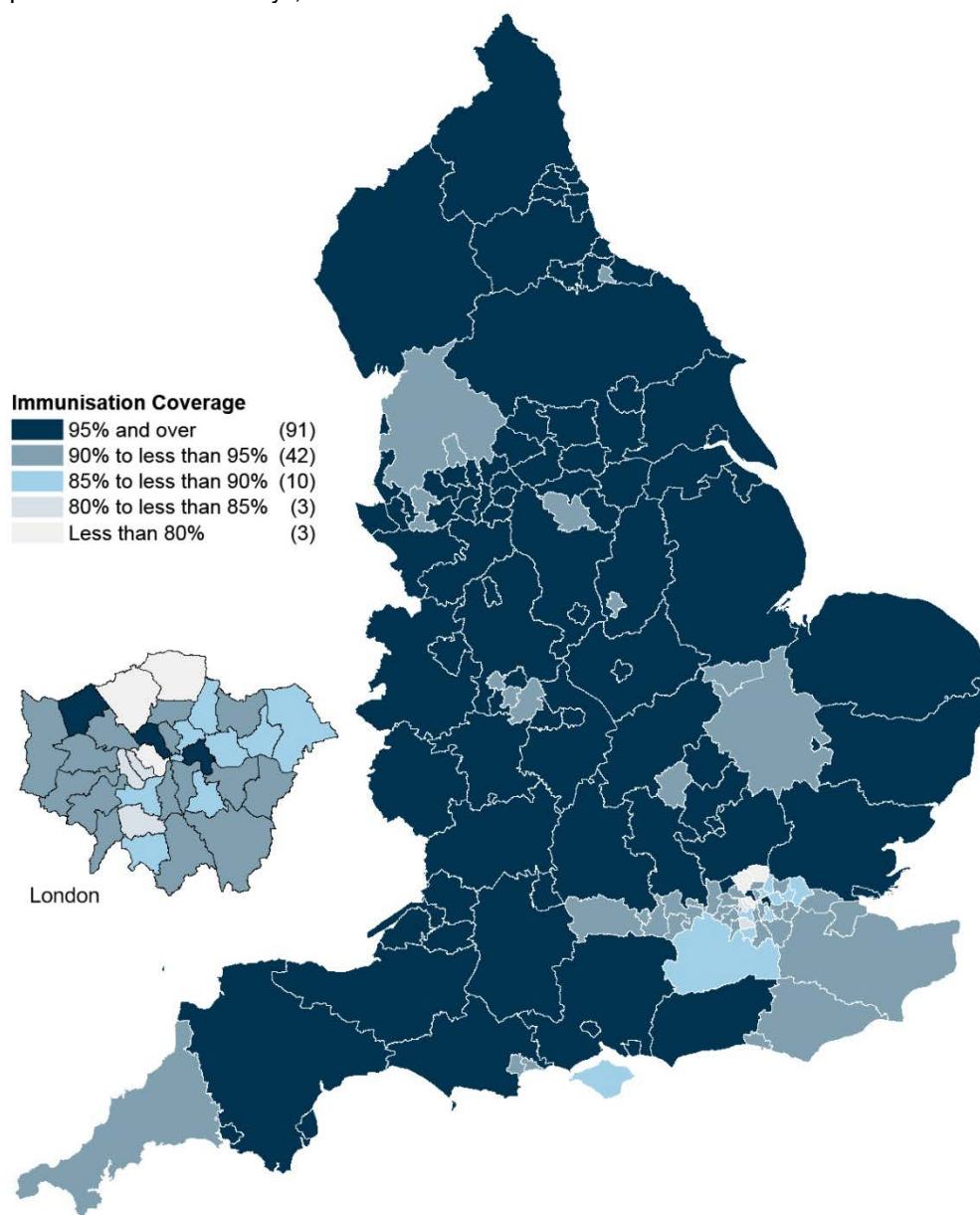


Source: COVER, Health and Social Care Information Centre. See also Table 10 in the Data Tables section.

At a local level, 91 LAs (out of 149) had coverage levels of 95% and above (see Figure 3). Coverage of less than 90% was only reported for 16 LAs, most of which were in London – see Table 10a in Data Tables.

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

England by Upper Tier Local Authority*, 2013-14



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* Statistics in this report are presented by 149 Upper Tier Local Authorities. The eligible populations for Isles of Scilly, City of London and Rutland LAs are very small and are therefore reported under other Cornwall, Hackney and Leicestershire respectively.

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

Coverage was 95% or over in 20 out of 25 (80%) Area Teams – see Table 10c.

For a more detailed breakdown of the statistics in this section by LA, see Tables 10a and 10b in the Data Tables. Table 10c contains a breakdown of the statistics by Area Team.

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 2013-14 was 96.1%, exceeding the WHO target of 95% coverage. When coverage for this cohort was measured at 12 months of age in 2012-13, 94.7% had been immunised (see Table C).

Table D shows national and regional coverage of DTaP/IPV/Hib coverage at 24 months over the last two years. Coverage in 2013-14 was highest in the North East (97.9%) and lowest in London (93.1%).

Table D: DTaP/IPV/Hib coverage at 24 months by region

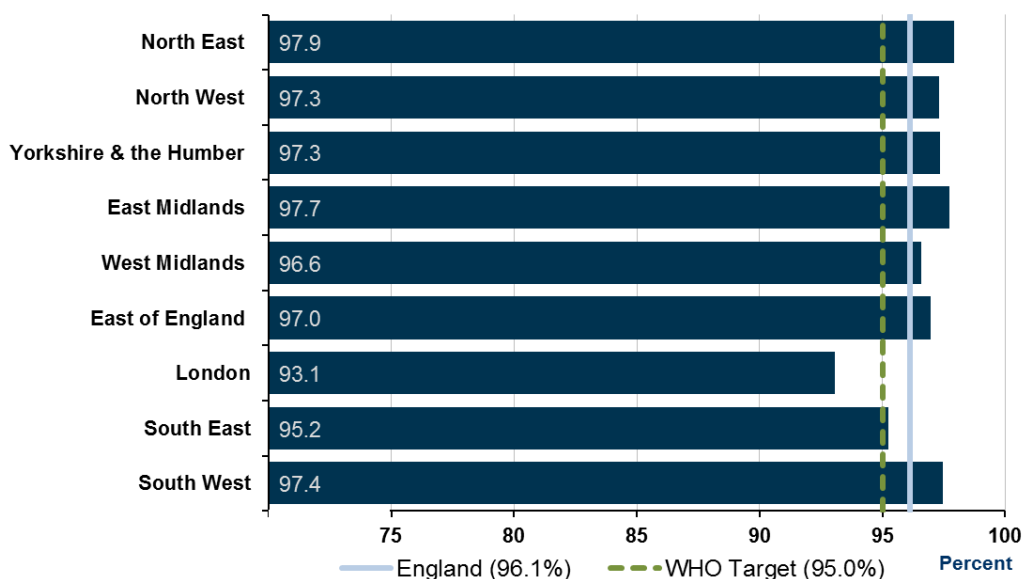
England by region, 2012-13 and 2013-14		Percentages
Region	Coverage of DTaP/IPV/Hib at 24 months	
	2012-13	2013-14
England	96.3	96.1
North East	97.8	97.9
North West	97.4	97.3
Yorkshire & The Humber	97.5	97.3
East Midlands	97.6	97.7
West Midlands	96.6	96.6
East of England	96.9	97.0
London	93.6	93.1
South East	95.7	95.2
South West	97.3	97.4

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

Figure 4 shows regional coverage for 2013-14 compared to the national average and the World Health Organisation target of 'at least 95%'. Eight out of nine regions had coverage levels of 95% or more.

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

England by region, 2013-14



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

DTaP/IPV/Hib coverage at 24 months was 95% or over in all Area Teams bar two (London and Surrey and Sussex) – see Table 11c.

For a more detailed breakdown of the statistics in this section by LA, see Tables 11a and 11b in the Data Tables. Table 11c contains a breakdown of the statistics by Area Team.

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 rose to 92.7% in 2013-14 compared to 92.3% in 2012-13. This is the sixth consecutive year that a rise in MMR coverage has been reported and coverage is at its highest level since the vaccine was first introduced in 1988 – see Table 9 in Data Tables. Despite increases in recent years, MMR coverage in England is still below the WHO target of ‘at least 95%’ coverage.

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

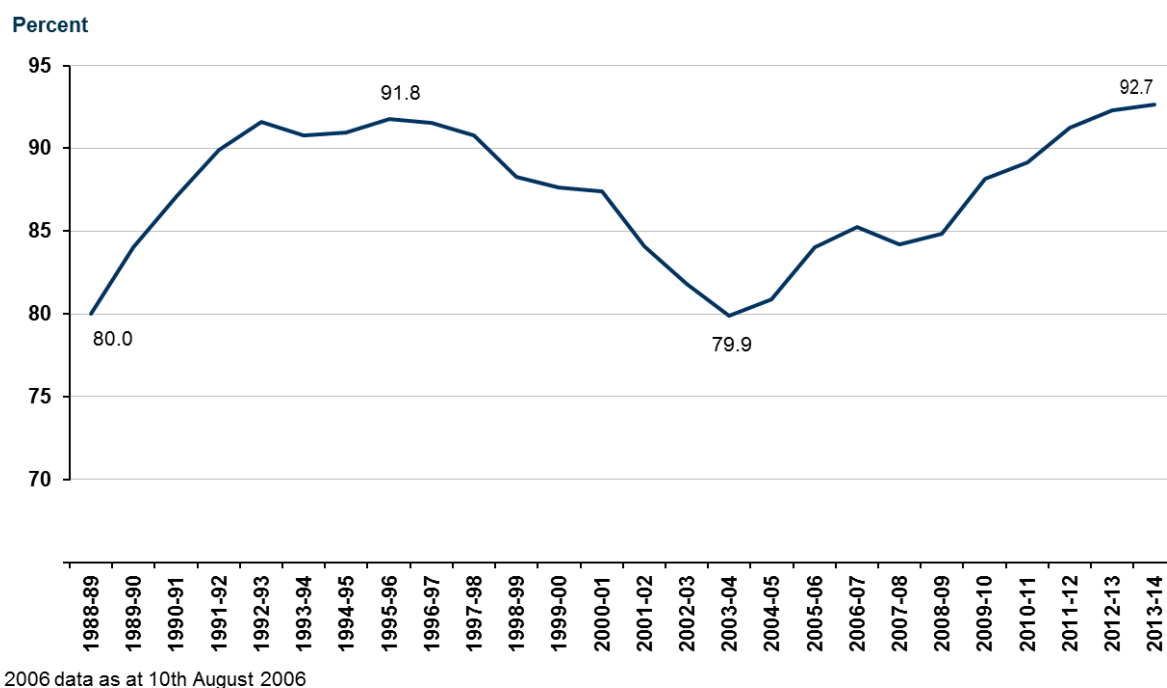
early 2000s, may have impacted on MMR coverage during that period. The study that initiated the controversy has since been discredited¹⁹.

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 visit²⁰.
- Local initiatives to improve coverage.
- Improvements in data collection, reporting and quality.

Figure 5: MMR coverage at 24 months²¹

England 1988-89 to 2013-14



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.

¹⁹ Further information is available from PHE through the following link: <https://www.gov.uk/government/collections/measles-guidance-data-and-analysis> 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)

²⁰ Further information is available in the following quarterly Health Protection Report published by the Health Protection Agency: <http://webarchive.nationalarchives.gov.uk/20140714084352/http://www.hpa.org.uk/hpr/archives/2012/hpr1212.pdf>

²¹ 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 D for more details.

Table E shows national and regional coverage of the vaccine over the last two years. Coverage in eight regions was over 90% in 2013-14. Coverage was highest in the North-East (95.5%) and lowest in London (87.5%).

Table E: MMR1 coverage at 24 months by region

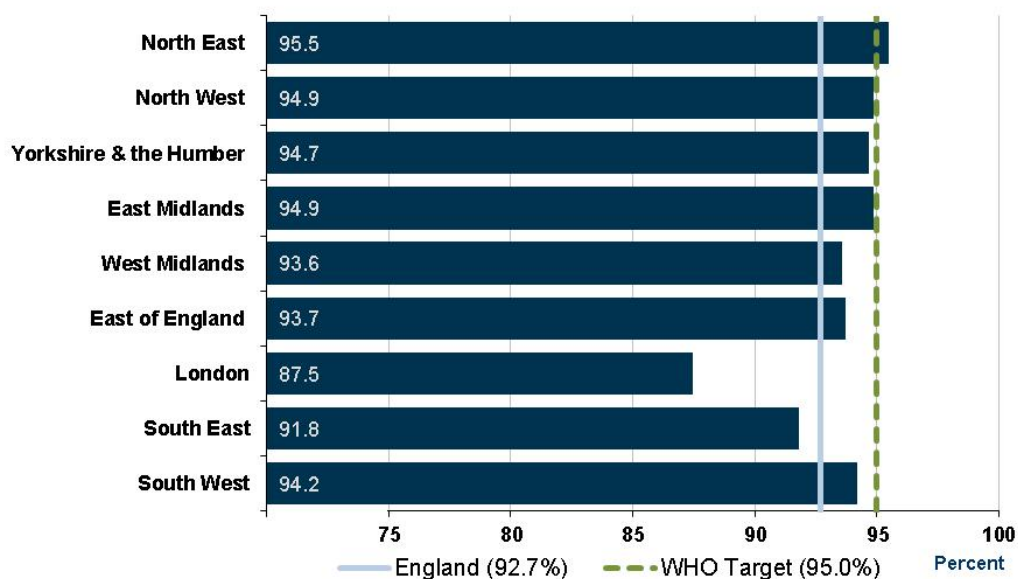
England by region, 2012-13 and 2013-14		Percentages
Region	Coverage of MMR1 at 24 months	
	2012-13	2013-14
England	92.3	92.7
North East	94.1	95.5
North West	94.9	94.9
Yorkshire & The Humber	94.2	94.7
East Midlands	94.0	94.9
West Midlands	92.7	93.6
East of England	92.8	93.7
London	87.1	87.5
South East	92.6	91.8
South West	93.5	94.2

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

Figure 6 shows regional coverage for 2013-14 compared to the national average and the WHO target of 'at least 95%'. The North East was the only region where coverage met the WHO target.

Figure 6: MMR1 coverage at 24 months

England by region, 2013-14

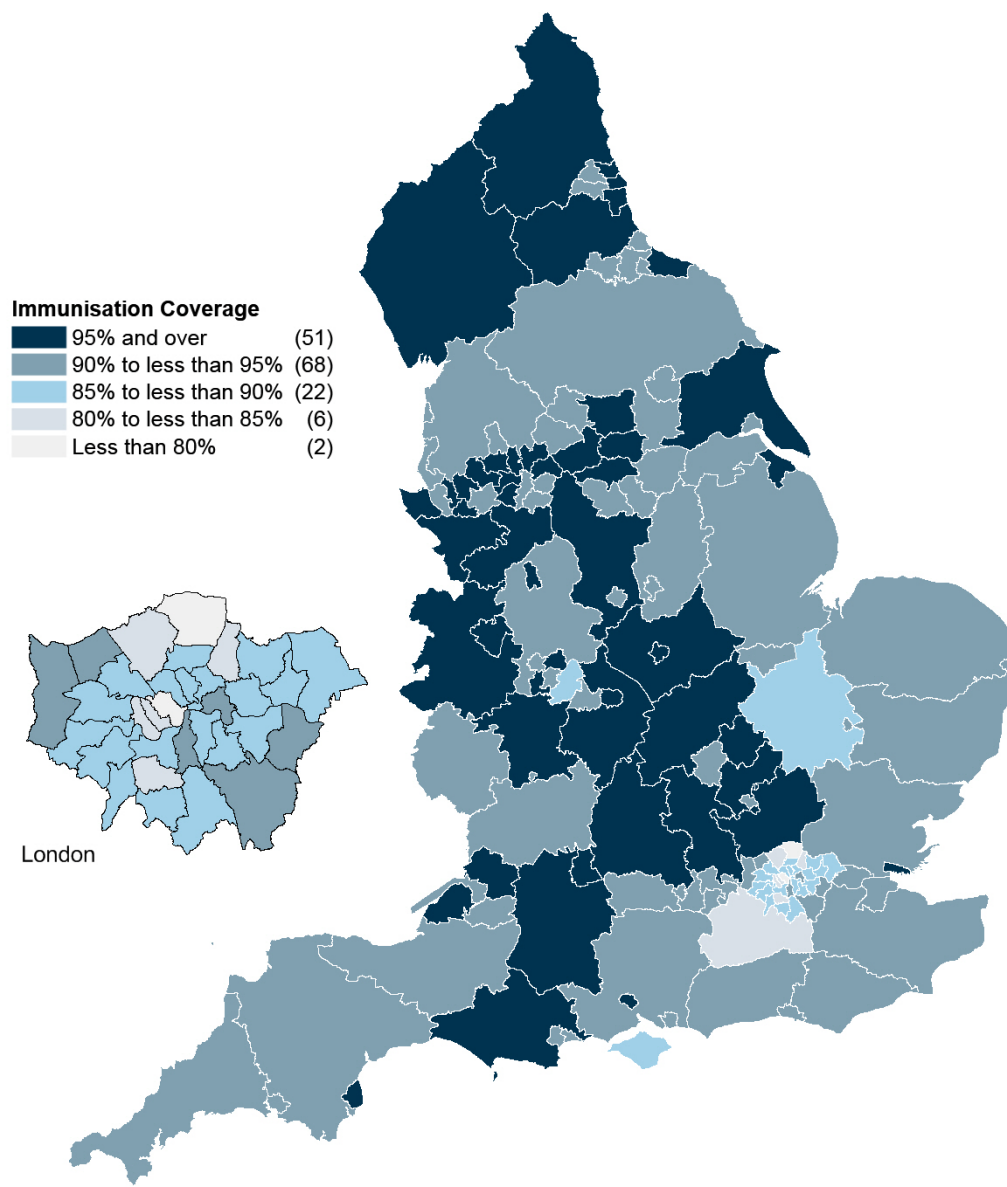


Source: COVER, Health and Social Care Information Centre. See also Table 11 in the Data Tables section

Coverage of MMR1 at 24 months at LA level is shown in Figure 7 and highlights the lower levels of immunisation in many London LAs. Vaccination coverage of 95% or more (the WHO target) was reported for just over a third of LAs (51 out of 149). Coverage levels of below 90% were reported for 30 LAs.

Figure 7: MMR1 coverage at 24 months

England by Upper Tier Local Authority*, 2013-14



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* Statistics in this report are presented by 149 Upper Tier Local Authorities. The eligible populations for Isles of Scilly, City of London and Rutland LAs are very small and are therefore reported under other Cornwall, Hackney and Leicestershire respectively.

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

MMR coverage in nine Area Teams met the WHO target of 'at least 95%'. Coverage was 90% or above in all bar two Area Teams (London and Surrey and Sussex) – see Table 11c in Data Tables.

For a more detailed breakdown of the statistics in this section by LA, see Tables 11a and 11b in the Data Tables. Table 11c contains a breakdown of the statistics by Area Team.

Meningococcal group C (MenC) vaccine

From 1st June 2013 children will have been offered only one dose of MenC vaccine at three months. Prior to 1st June 2013, children were required to have two doses of MenC vaccine (at three and four months) to be considered fully vaccinated.

Due to the data quality issues described in section 1.2.7 (Changes in the UK immunisation programme), MenC coverage at 12 months is not reported for 2013-14.

The most recent annual coverage figures available are for 2012-13 and are shown in Table F.

Table F: Coverage of MenC at 12 months²²

England, 2009-10 to 2013-14 Percentages

Year	Coverage of MenC at 12 months
2009-10	92.7
2010-11	93.4
2011-12	93.9
2012-13	93.9
2013-14	..

.. Data not available

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

***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 2013-14, 92.5% of children in England were reported to have received the combined Hib/MenC booster as measured at two years. This compares with 92.7% in 2012-13 (see Table G).

²² 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 D for more details.

Table G: Coverage of Hib/MenC at 24 months²³

England, 2009-10 to 2013-14 Percentages

Year	Coverage of Hib/MenC at 24 months
2009-10	90.0
2010-11	91.6
2011-12	92.3
2012-13	92.7
2013-14	92.5

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 H and Figure 8. Coverage in 2013-14 was highest in the North East (96.0%) and lowest in London (86.8%).

Table H: Hib/MenC coverage at 24 months by region

England by region, 2012-13 and 2013-14 Percentages

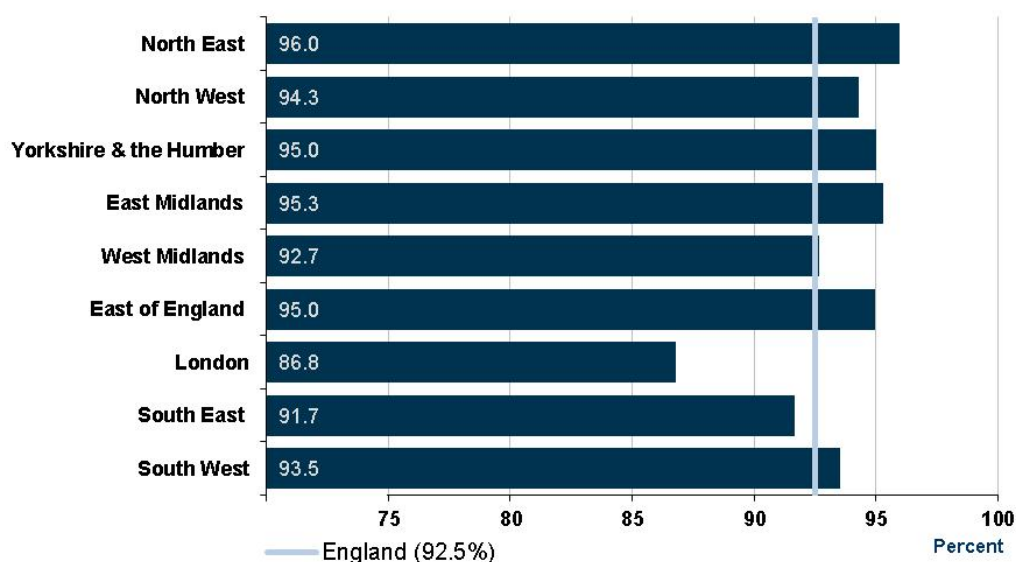
Region	Coverage of Hib/MenC at 24 months	
	2012-13	2013-14
England	92.7	92.5
North East	95.5	96.0
North West	94.9	94.3
Yorkshire & The Humber	95.0	95.0
East Midlands	95.3	95.3
West Midlands	92.0	92.7
East of England	94.7	95.0
London	87.3	86.8
South East	92.5	91.7
South West	93.0	93.5

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

²³ 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 D for more details.

Figure 8: Hib/MenC coverage at 24 months

England by region, 2013-14



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

Hib/MenC coverage was above 90% in all bar two Area Teams (London and Surrey and Sussex) and 95% or above in nine Area Teams – see Table 11c in Data Tables.

For a more detailed breakdown of the statistics in this section by LA, see Tables 11a and 11b in the Data Tables. Table 11c contains a breakdown of the statistics by Area Team.

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 I shows coverage of two doses at 12 months over the last five years. Reported figures show that 94.1% of children in England had completed a primary immunisation course of PCV at 12 months in 2013-14. This compares with 94.4% in 2012-13.

Table I: PCV coverage at 12 months²⁴

England, 2009-10 to 2013-14		Percentages
Year	Coverage of PCV at 12 months	
2009-10	92.9	
2010-11	93.6	
2011-12	94.2	
2012-13	94.4	
2013-14	94.1	

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 J and Figure 9. Coverage in 2013-14 was highest in the North East (96.4%) and lowest in London (89.7%).

Table J: PCV coverage at 12 months

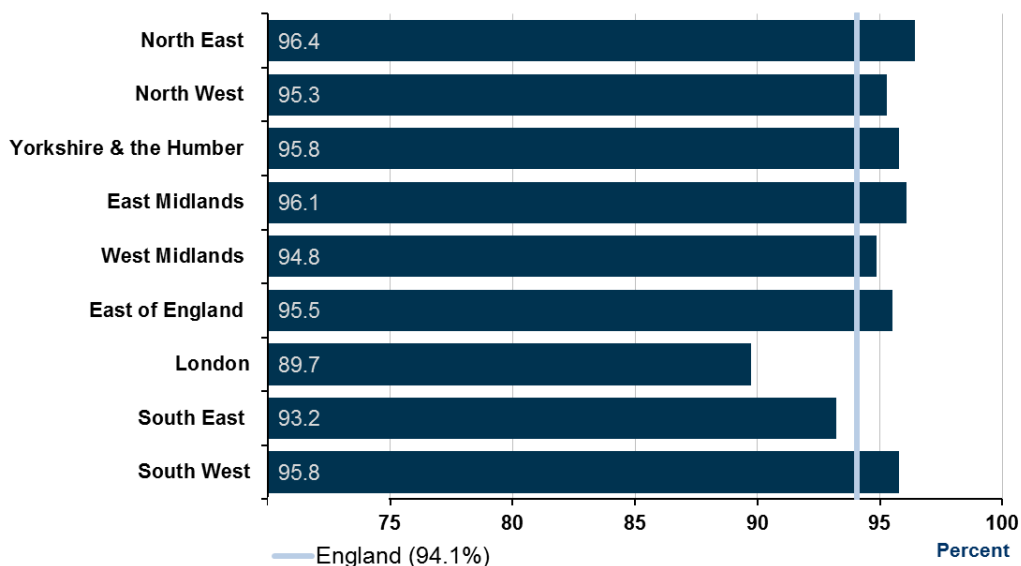
England by region, 2012-13 and 2013-14		Percentages
Region	Coverage of PCV at 12 months	
	2012-13	2013-14
England	94.4	94.1
North East	96.4	96.4
North West	95.8	95.3
Yorkshire & The Humber	95.9	95.8
East Midlands	96.0	96.1
West Midlands	94.1	94.8
East of England	95.7	95.5
London	90.8	89.7
South East	93.9	93.2
South West	96.0	95.8

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

²⁴ 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 D for more details.

Figure 9: PCV coverage at 12 months

England by region, 2013-14



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

Coverage was 95% or above in all but seven Area Teams – see Table 10c.

For a more detailed breakdown of the statistics in this section by LA, see Tables 10a and 10b in Data Tables. Table 10c contains a breakdown of the statistics by Area Team.

National coverage of the PCV booster vaccine at 24 months was 92.4% in 2013-14. This compares with 92.5% in 2012-13 (see Table K).

Table K: PCV coverage at 24 months²⁵

England, 2009-10 to 2013-14		Percentages
Year	Coverage of PCV booster at 24 months	
2009-10	87.6	
2010-11	89.3	
2011-12	91.5	
2012-13	92.5	
2013-14	92.4	

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

²⁵ 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 D for more details.

Regional and national coverage of the vaccine is shown in Table L and Figure 10. Coverage in 2013-14 was highest in the North East (95.7%) and lowest in London (86.3%).

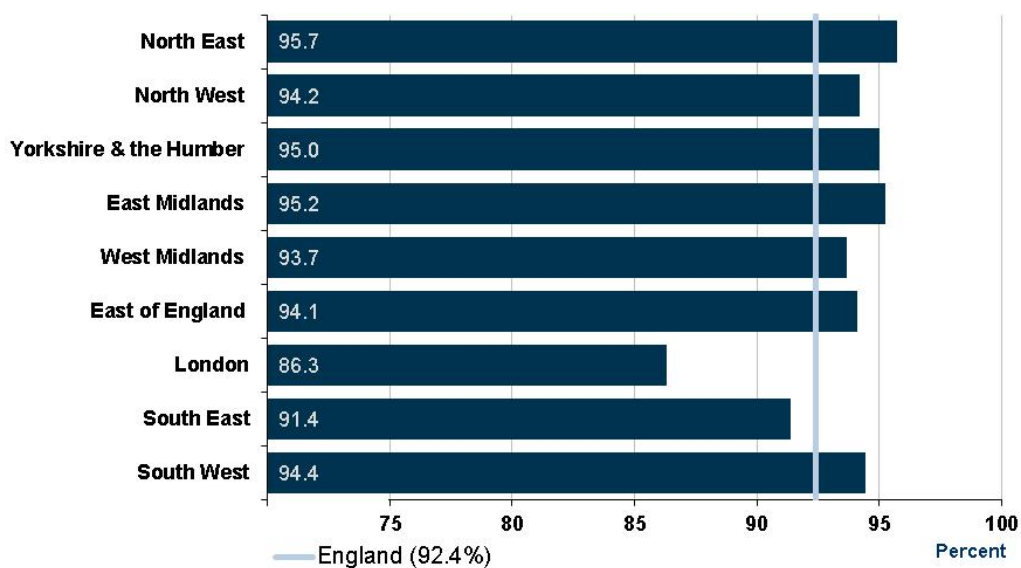
Table L: PCV coverage at 24 months

England by region, 2012-13 and 2013-14		Percentages
Region	Coverage of PCV at 24 months	
	2012-13	2013-14
England	92.5	92.4
North East	95.0	95.7
North West	94.8	94.2
Yorkshire & The Humber	94.9	95.0
East Midlands	94.8	95.2
West Midlands	93.0	93.7
East of England	93.8	94.1
London	86.6	86.3
South East	92.2	91.4
South West	94.1	94.4

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

Figure 10: PCV coverage at 24 months

England by region, 2013-14



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

PCV coverage at 24 months was above 90% in all bar two Area Teams (London and Sussex and Surrey) and 95% or above in nine Area Teams – see Table 11c.

For a more detailed breakdown of the statistics in this section, see Tables 11a and 11b in the Data Tables. Table 11c contains a breakdown of the statistics by Area Team.

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 *Health Protection Report's quarterly COVER report* by PHE²⁶.

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

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

United Kingdom by country, 2013-14

Percentages

Country	Coverage at 12 months			Coverage at 24 months			
	DTaP/IPV/ Hib	MenC	PCV	DTaP/IPV/ Hib	Hib/MenC booster	PCV booster	MMR1
United Kingdom	94.8	..	94.5	96.4	93.0	92.9	93.1
England	94.3	..	94.1	96.1	92.5	92.4	92.7
Wales	96.7	..	96.2	97.7	95.3	95.5	96.5
Scotland	97.5	..	97.5	98.2	95.7	95.5	95.6
Northern Ireland	97.5	..	97.4	98.6	96.2	96.0	96.2

.. Data not available

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

²⁶ https://www.gov.uk/government/uploads/system/uploads/attachment_data/file/346139/hpr2514_cover.pdf. This report also publishes coverage statistics for Area Teams and 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 88.8% of children in England had received their booster at five years of age in 2013-14. This is a fall from 88.9% in 2012-13. Table N shows coverage of this vaccine over the last five years.

Table N: Coverage of DTaP/IPV booster at 5 years²⁷

England, 2009-10 to 2013-14		Percentages
Year	Coverage of DTaP/IPV Booster at 5 years	
2009-10	84.8	
2010-11	85.9	
2011-12	87.4	
2012-13	88.9	
2013-14	88.8	

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

Table O shows national and regional coverage of the vaccine over the last two years. Coverage in 2013-14 was over 90% in seven regions and was highest in the North East (93.6%) and lowest in London (79.3%).

²⁷ 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 D for more details.

Table O: Coverage of DTaP/IPV booster at 5 Years

England by region, 2012-13 and 2013-14

Percentages

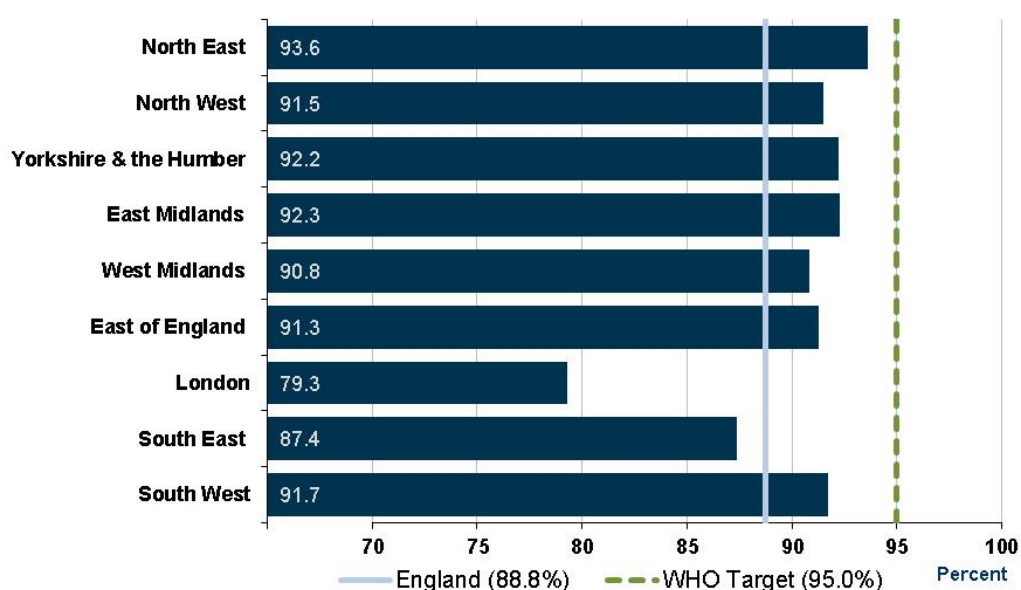
Region	Coverage of DTaP/IPV booster at 5 years	
	2012-13	2013-14
England	88.9	88.8
North East	93.0	93.6
North West	91.3	91.5
Yorkshire & The Humber	91.8	92.2
East Midlands	91.4	92.3
West Midlands	89.4	90.8
East of England	90.8	91.3
London	79.9	79.3
South East	90.6	87.4
South West	90.8	91.7

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

Figure 11 shows regional coverage for 2013-14, compared to the national average and the WHO target of 'at least 95%'. England coverage remains below the WHO target, with no region achieving this level of coverage in 2013-14.

Figure 11: Coverage of DTaP/IPV booster at 5 Years

England by region, 2013-14



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

Eighteen Area Teams achieved coverage levels of 90% or above but none met the WHO target of 'at least 95%' coverage.

For a more detailed breakdown of the statistics in this section, see Tables 12a and 12b in Data Tables. Table 12c contains a breakdown of the statistics by Area Team.

Measles-Mumps-Rubella (MMR) vaccine

Reported figures show that 88.3% of children in England had received their first and second dose of MMR vaccine (MMR2) by their fifth birthday in 2013-14, an increase from 87.7% in 2012-13. Table P shows coverage of MMR2 at 5 years over the last five years.

Table P: Coverage of MMR2 (both doses) at 5 years²⁸

England, 2009-10 to 2013-14		Percentages
Year	Coverage of MMR2 at 5 years	
2009-10	82.7	
2010-11	84.2	
2011-12	86.0	
2012-13	87.7	
2013-14	88.3	

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

Table Q shows national and regional coverage of the vaccine over the last two years. Coverage in 2013-14 was highest in the North East (92.9%) and lowest in London (80.7%).

²⁸ 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 D for more details.

Table Q: MMR2 coverage at 5 years

England by region, 2012-13 and 2013-14 Percentages

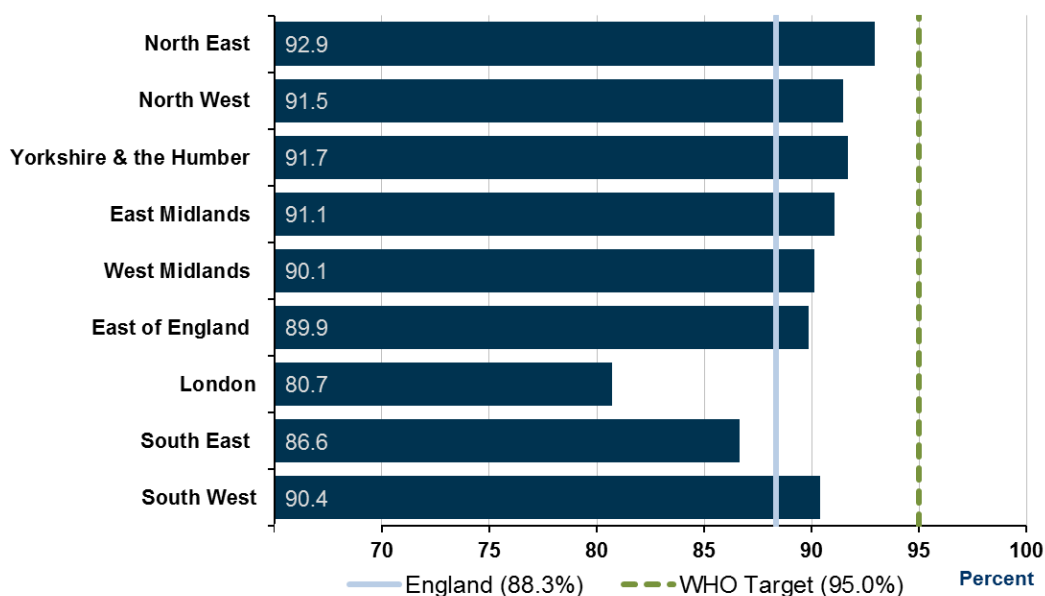
Region	Coverage at 5 years First and second dose (MMR2)	
	2012-13	2013-14
England	87.7	88.3
North East	91.7	92.9
North West	90.7	91.5
Yorkshire & The Humber	90.7	91.7
East Midlands	89.7	91.1
West Midlands	87.9	90.1
East of England	89.0	89.9
London	80.8	80.7
South East	87.9	86.6
South West	88.7	90.4

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

Figure 12 shows regional coverage for 2013-14 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 regions achieving this level of coverage in 2013-14.

Figure 12: MMR2 coverage at 5 years

England by region, 2013-14



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

Comparison of national coverage in 2013-14 at age five shows that whilst 94.1% of children had received their first dose of MMR, only 88.3% completed the recommended schedule of two doses by this age. This difference is evident across regions (see Table R).

Table R: MMR1 and MMR2 coverage at 5 years

England by region, 2013-14		Percentages
Region	Coverage at 5 years	
	First dose (MMR1)	First and second dose (MMR2)
England	94.1	88.3
North East	96.7	92.9
North West	96.0	91.5
Yorkshire & The Humber	96.0	91.7
East Midlands	95.6	91.1
West Midlands	95.5	90.1
East of England	94.0	89.9
London	90.6	80.7
South East	92.6	86.6
South West	95.3	90.4

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 Tables 12a and 12b in the Data Tables. Table 12c contains a breakdown of the statistics by Area Team.

***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 months²⁹ 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 third year.

In England, 91.9% of children were reported to have received the Hib/MenC booster as measured at five years in 2013-14. This compares with 91.5% in 2012-13.

National and regional coverage is shown in Table S and Figure 13. Coverage in 2013-14 was highest in the North East (95.2%) and lowest in London (87.2%).

²⁹ Prior to January 2011, Hib/MenC booster was given to children at around 12 months.

Table S: Hib/MenC coverage at 5 years

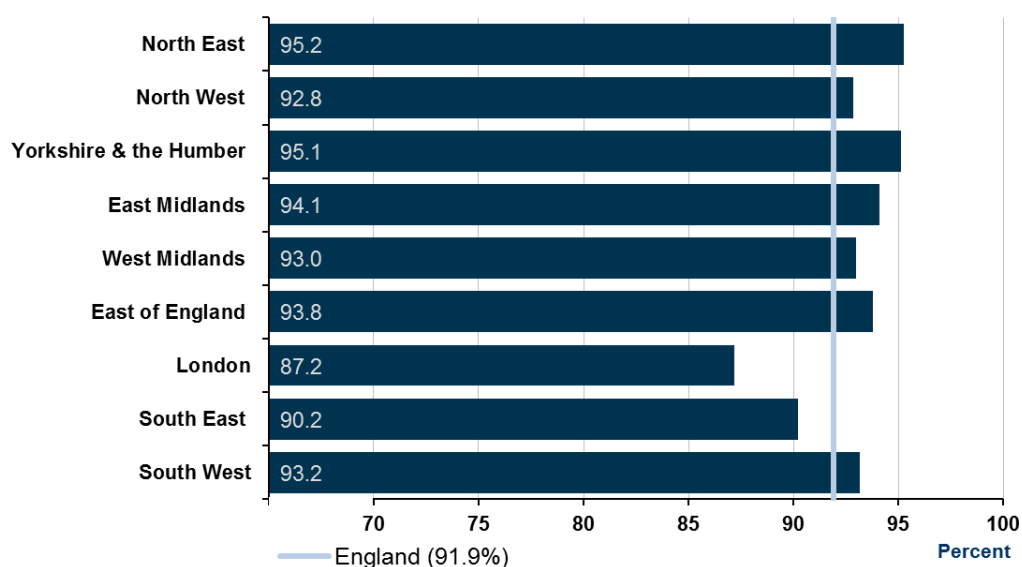
England by region, 2012-13 and 2013-14 Percentages

Region	Coverage of Hib/MenC booster at 5 years	
	2012-13	2013-14
England	91.5	91.9
North East	94.7	95.2
North West	91.6	92.8
Yorkshire & The Humber	94.8	95.1
East Midlands	94.1	94.1
West Midlands	92.8	93.0
East of England	93.6	93.8
London	86.9	87.2
South East	89.6	90.2
South West	92.7	93.2

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

Figure 13: Hib/MenC coverage at 5 years

England by region, 2013-14



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

Hib/MenC coverage at 5 years was 90% or above in all Area Teams bar two (London and Surrey and Sussex). Coverage levels of 95% or above were recorded for five Area Teams – see Table 12c.

For a more detailed breakdown of the statistics in this section, see Tables 12a and 12b in the Data Tables. Table 12c contains a breakdown of the statistics by Area Team.

Coverage in UK countries at 5 years

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

In 2013-14, 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 T: Completed immunisations (all antigens) by 5 years

United Kingdom by country, 2013-14

Percentages

Country	Coverage at 5 Years				
	DTaP/IPV/Hib Primary	DTaP/IPV Booster	MMR1 First dose	MMR2 First and second dose	Hib/MenC Booster
United Kingdom	95.9	89.5	94.6	89.0	92.4
England	95.6	88.8	94.1	88.3	91.9
Wales	97.2	93.2	96.9	92.6	93.8
Scotland	98.2	94.0	97.3	93.0	95.8
Northern Ireland	98.2	93.4	97.5	92.4	95.9

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

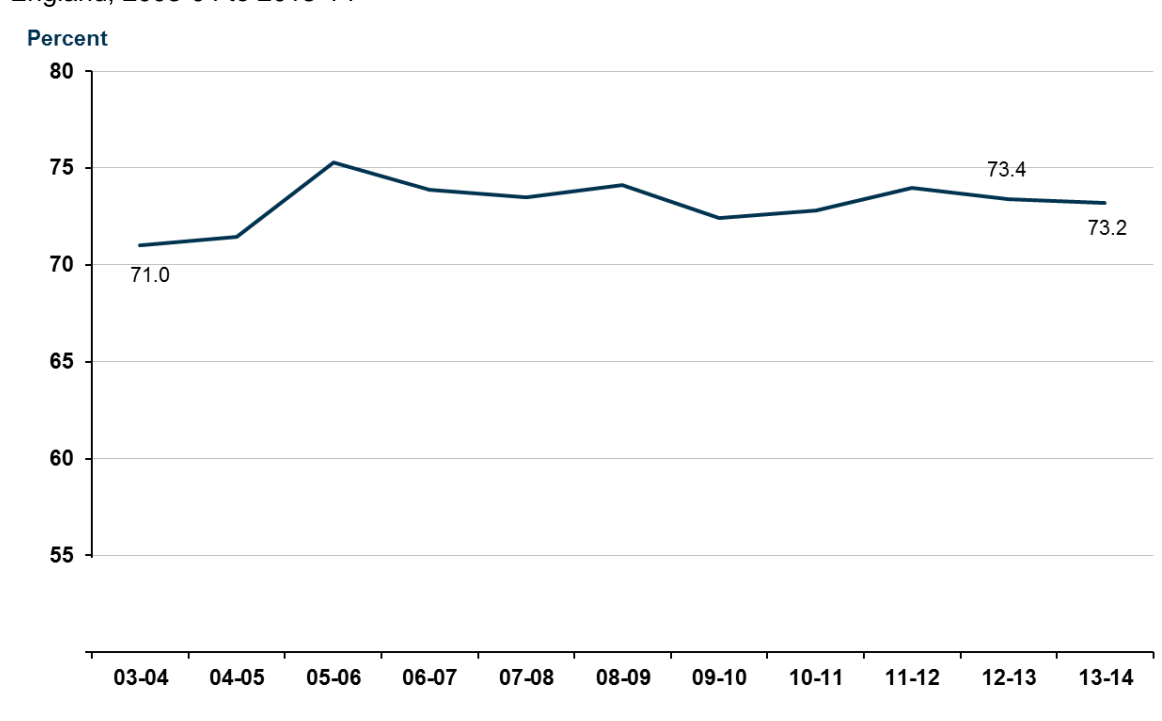
2.2 Adult Influenza Immunisations

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 73.2% in 2013-14 and compares with 73.4% recorded in 2012-13 (see Figure 14). The World Health Organisation target is 75%.

Figure 14: Influenza vaccine coverage in persons aged 65 and over

England, 2003-04 to 2013-14



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

Source: Public Health England

Table U 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 four regions in 2013-14 when compared with the previous year. Coverage in 2013-14 was highest in the North West (75.8%) and lowest in London (70.0%).

Table U: Percentage of persons aged 65 and over immunised against influenza by region

England by region, 2012-13 and 2013-14 Percentages

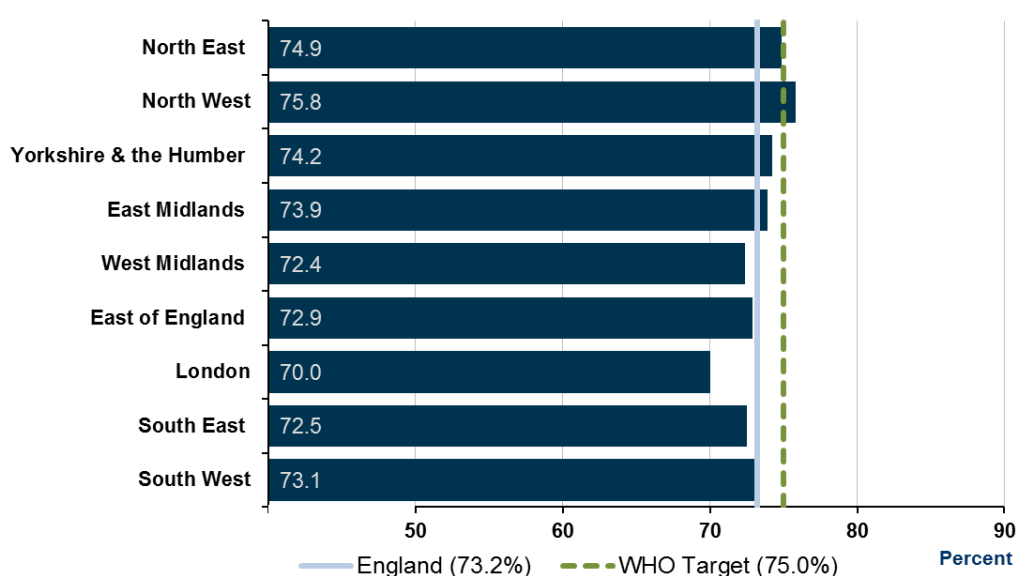
Region	Coverage	
	2012-13	2013-14
England	73.4	73.2
North East	74.8	74.9
North West	75.8	75.8
Yorkshire & The Humber	74.3	74.2
East Midlands	73.5	73.9
West Midlands	72.2	72.4
East of England	73.3	72.9
London	71.2	70.0
South East	72.5	72.5
South West	73.5	73.1

Source: Public Health England. See Table 14 in the Data Tables section.

Figure 15 shows coverage for 2013-14 compared to the national average and the WHO target of at least 75%. The North West was the only region in which vaccination coverage met or exceeded the WHO target in 2013-14.

Figure 15: Percentage of persons aged 65 and over immunised against influenza

England by region, 2013-14



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

Coverage of 75% or above was recorded for seven Area Teams – see Table 14b.

For a more detailed breakdown of the statistics in this section, see Table 14a in the Data Tables. Table 14b contains a breakdown of the statistics by Area Team.

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NHS Immunisation Statistics, England 2013-14

Table 1: Completed primary courses: percentage of children immunised by their first birthday, 2003-04 to 2013-14

England		percentages						
Year of 1st birthday	Diphtheria Tetanus Polio Pertussis Hib (DTaP/IPV/Hib) <i>primary</i>	Diphtheria <i>primary</i>	Tetanus <i>primary</i>	Polio <i>primary</i>	Pertussis (whooping cough) <i>primary</i>	Haemophilus Influenzae b (Hib) <i>primary</i>	MenC <i>primary</i>	Pneumococcal Disease (PCV) <i>primary</i>
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 ⁽¹⁾	..	91.4	91.3	91.3	91.4	91.3	90.9	..
2006-07 ⁽²⁾	91.1	..	..	..	..	..	91.0	..
2007-08 ⁽³⁾	91.3	..	..	..	..	..	90.3	83.7
2008-09 ⁽⁴⁾	92.0	..	..	..	..	..	91.2	91.3
2009-10 ⁽⁵⁾	93.6	..	..	..	..	..	92.7	92.9
2010-11 ⁽⁶⁾	94.2	..	..	..	..	..	93.4	93.6
2011-12 ⁽⁷⁾	94.7	93.9	94.2
2012-13 ⁽⁸⁾	94.7	93.9	94.4
2013-14 ⁽⁹⁾	94.3	94.1

.. Data not available

Source: COVER

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Table 2: Completed primary and booster courses: percentage of children immunised by their second birthday, 2003-04 to 2013-14

England		percentages								
Year of 2nd birthday	Diphtheria Tetanus Polio Pertussis Hib (DTaP/IPV/Hib) <i>primary</i>	Diphtheria <i>primary</i>	Tetanus <i>primary</i>	Polio <i>primary</i>	Pertussis (whooping cough) <i>primary</i>	Haemophilus Influenzae b (Hib) <i>primary</i>	Meningococcal group C (MenC) ⁽¹⁰⁾ <i>primary</i>	Measles Mumps Rubella (MMR) 1st dose	Hib/MenC booster	Pneumococcal Disease (PCV) booster
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 ⁽¹⁾	..	94.0	93.9	93.9	93.7	93.7	93.3	84.1	..	..
2006-07 ⁽²⁾	93.4	..	..	..	..	..	93.3	85.2	..	..
2007-08 ⁽³⁾	93.6	..	..	..	..	..	93.2	84.6	..	..
2008-09 ⁽⁴⁾	93.9	..	..	..	..	..	91.9	84.9	85.4	81.5
2009-10 ⁽⁵⁾	95.3	..	..	..	..	..	94.2	88.2	90.0	87.6
2010-11 ⁽⁶⁾	96.0	..	..	..	..	..	94.8	89.1	91.6	89.3
2011-12 ⁽⁷⁾	96.1	..	..	..	..	..	94.9	91.2	92.3	91.5
2012-13 ⁽⁸⁾	96.3	..	..	..	..	..	95.1	92.3	92.7	92.5
2013-14 ⁽⁹⁾	96.1	..	..	..	..	..	..	92.7	92.5	92.4

.. Data not available

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

⁽²⁾ 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.

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

⁽⁴⁾ 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.

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

⁽⁶⁾ In 2010-11, 10 PCTs identified data quality issues, 6 of which were associated with the implementation of child health information systems. In addition, 3 PCTs reported only partial data for their area and a further one reported figures that were estimates.

⁽⁷⁾ In 2011-12, 4 PCTs identified data quality issues.

⁽⁸⁾ In 2012-13, 4 PCTs identified data quality issues.

⁽⁹⁾ In 2013-14, data quality issues were reported in relation to data for 8 LAs.

⁽¹⁰⁾ From 2013-14, MenC coverage at 24 months was no longer collected.

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NHS Immunisation Statistics, England 2013-14

Table 3: Completed primary courses and boosters: percentage of children immunised by their fifth birthday, 2003-04 to 2013-14

England						percentages		
Year of 5th birthday	Diphtheria Tetanus Polio <i>primary</i> ⁽¹⁾	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> ⁽¹⁾⁽¹³⁾	MMR <i>1st dose</i>	MMR <i>1st and 2nd dose</i>	Hib/MenC <i>booster</i>
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 ⁽²⁾	93.8	80.0	..	93.2	93.2	87.3	73.6	..
2006-07 ⁽³⁾	93.3	..	79.3	92.9	92.5	85.9	72.8	..
2007-08 ⁽⁴⁾	92.6	..	78.6	..	92.2	87.0	74.6	..
2008-09 ⁽⁵⁾⁽⁶⁾	92.5	..	80.1	..	90.9	88.9	78.0	..
2009-10 ⁽⁷⁾	94.0	..	84.8	..	93.1	91.0	82.7	..
2010-11 ⁽⁸⁾	94.7	..	85.9	..	94.2	91.9	84.2	..
2011-12 ⁽⁹⁾⁽¹⁰⁾	95.4	..	87.4	..	94.9	92.9	86.0	88.9
2012-13 ⁽¹¹⁾	95.8	..	88.9	..	95.4	93.9	87.7	91.5
2013-14 ⁽¹²⁾	95.6	..	88.8	..	..	94.1	88.3	91.9

.. Data not available

⁽¹⁾ 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.

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

⁽³⁾ 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.

⁽⁴⁾ In 2007-08, 6 PCTs did not provide any data, and a further 7 had some missing data for the 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.

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

⁽⁶⁾ 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.

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

⁽⁸⁾ In 2010-11, 10 PCTs identified data quality issues, 6 of which were associated with the implementation of child health information systems. In addition, 3 PCTs reported only partial data for their area and a further one reported figures that were estimates.

⁽⁹⁾ In 2011-12, 4 PCTs identified data quality issues.

⁽¹⁰⁾ 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.

⁽¹¹⁾ In 2012-13, 4 PCTs identified data quality issues.

⁽¹²⁾ In 2013-14, data quality issues were reported in relation to data for 8 LAs. National coverage figures exclude diphtheria, tetanus and polio (primary) coverage for one LA and diphtheria, tetanus, polio and pertussis (booster) coverage for one LA.

⁽¹³⁾ From 2013-14 Hib coverage at 5 years was no longer collected.

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NHS Immunisation Statistics, England 2013-14

Table 4: Completed primary courses: percentage of children immunised by their second birthday, by region*, 2003-04 to 2013-14

Year of 2nd birthday	percentages									
	England	North East	North West	Yorkshire and the Humber	East Midlands	West Midlands	East of England	London (2)(3)(4)	South East	South West(4)
Diphtheria, Tetanus and Polio (1)										
2003-04	93.7	95.3	94.8	94.0	96.0	94.8	94.8	88.0	94.4	96.0
2004-05	93.5	95.1	94.8	93.5	96.3	95.3	94.8	87.3	94.3	94.8
2005-06(2)	94.0	94.9	95.2	93.6	95.9	95.1	94.6	88.3	94.0	95.6
Pertussis (whooping cough)										
2003-04	93.3	94.8	94.2	93.7	95.7	94.4	94.3	87.8	93.9	95.5
2004-05	93.1	94.8	94.3	93.2	96.1	94.8	94.4	87.1	94.0	94.3
2005-06(2)	93.7	94.6	94.9	93.3	95.7	94.8	94.4	88.1	93.6	95.3
Diphtheria, Tetanus, Polio, Pertussis (whooping cough) and Hib										
2006-07 (3)	93.4	95.5	95.4	93.4	94.7	95.3	95.0	86.2	93.1	95.8
2007-08 (4)	93.6	95.8	95.8	93.9	95.2	96.1	95.0	85.4	93.8	96.5
2008-09 (5)	93.9	95.1	95.2	95.4	96.2	96.1	95.1	86.5	95.4	95.7
2009-10 (6)	95.3	96.9	96.6	96.3	96.6	96.8	95.8	90.8	95.8	96.6
2010-11 (7)	96.0	97.4	96.8	96.8	97.1	97.3	96.3	92.9	96.0	96.7
2011-12 (8)	96.1	97.5	97.1	97.1	97.4	96.8	96.5	93.3	96.1	97.0
2012-13 (9)	96.3	97.8	97.4	97.5	97.6	96.6	96.9	93.6	95.7	97.3
2013-14 (10)	96.1	97.9	97.3	97.3	97.7	96.6	97.0	93.1	95.2	97.4
MMR										
2003-04	79.9	83.5	82.8	84.1	85.5	82.2	79.7	70.0	79.5	81.1
2004-05	80.9	85.2	84.0	83.2	86.3	82.8	81.4	71.4	81.3	80.5
2005-06(2)	84.1	87.2	86.3	85.6	87.6	84.8	84.3	73.5	84.4	86.2
2006-07 (3)	85.2	88.8	87.7	87.0	87.9	87.6	85.6	74.9	86.2	87.0
2007-08 (4)	84.6	88.5	86.7	85.0	88.8	88.1	84.2	74.2	84.5	88.4
2008-09 (5)	84.9	88.1	87.2	86.6	87.7	88.4	83.9	76.3	86.5	87.4
2009-10 (6)	88.2	91.1	91.1	89.2	89.7	90.5	87.3	81.9	89.5	89.1
2010-11 (7)	89.1	91.4	91.2	90.7	90.6	91.5	88.7	83.8	89.8	89.6
2011-12 (8)	91.2	93.0	93.4	93.1	92.9	92.0	91.8	86.1	92.1	91.7
2012-13 (9)	92.3	94.1	94.9	94.2	94.0	92.7	92.8	87.1	92.6	93.5
2013-14 (10)	92.7	95.5	94.9	94.7	94.9	93.6	93.7	87.5	91.8	94.2

* Regional figures for the South East for 2012-13 and earlier have been aggregated from data submitted for the South East Coast and South Central Strategic Health Authorities (SHA) which shared very similar geographical boundaries to the South East region. Regional figures for 2013-14 have been calculated from PCT data (using estimation where required). See section 1.2.7 of NHS Immunisation Statistics, 2013-14 for more information.

(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, 6 of which were associated with the implementation of child health information systems. In addition, 3 PCTs reported only partial data for their area and a further 1 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.

(10) In 2013-14, data quality issues were reported in relation to data for 8 LAs.

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NHS Immunisation Statistics, England 2013-14

Table 5a: Percentage of children immunised by their first birthday, by country of the UK, 2013-14

<i>percentages and thousands</i>			
Percentage immunised by their 1st birthday			
Number of children aged 1 (thousands) (=100%)	Diphtheria Tetanus Polio Pertussis Hib (DTaP/IPV/Hib)		PCV
	<i>primary</i>		<i>primary</i>
	<i>%</i>		<i>%</i>
United Kingdom	803.3	94.8	94.5
England	686.2	94.3	94.1
Wales	34.6	96.7	96.2
Scotland	57.7	97.5	97.5
Northern Ireland	24.8	97.5	97.4

Source: COVER

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Table 5b: Percentage of children immunised by their second birthday, by country of the UK, 2013-14

<i>percentages and thousands</i>					
Percentage immunised by their 2nd birthday					
Number of children aged 2 (thousands) (=100%)	Diphtheria Tetanus Polio Pertussis Hib (DTaP/IPV/Hib)		MMR	Hib/MenC	PCV
	<i>primary</i>		<i>1st dose</i>	<i>booster</i>	<i>booster</i>
	<i>%</i>		<i>%</i>	<i>%</i>	<i>%</i>
United Kingdom	817.0	96.4	93.1	93.0	92.9
England	697.2	96.1	92.7	92.5	92.4
Wales	35.4	97.7	96.5	95.3	95.5
Scotland	59.3	98.2	95.6	95.7	95.5
Northern Ireland	25.1	98.6	96.2	96.2	96.0

Source: COVER

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Table 5c: Percentage of children immunised by their fifth birthday, by country of the UK, 2013-14

<i>percentages and thousands</i>						
Percentage immunised by their 5th birthday						
Number of children aged 5 (thousands) (=100%)	Diphtheria Tetanus Polio Pertussis Hib (DTaP/IPV/Hib)		Diphtheria Tetanus Polio Pertussis Hib	MMR	MMR	Hib/MenC
	<i>primary</i>		<i>booster</i>	<i>1st dose</i>	<i>1st and 2nd dose</i>	<i>booster</i>
	<i>%</i>		<i>%</i>	<i>%</i>	<i>%</i>	<i>%</i>
United Kingdom	801.9	95.9	89.5	94.6	89.0	92.4
England	681.9	95.6	88.8	94.1	88.3	91.9
Wales	35.1	97.2	93.2	96.9	92.6	93.8
Scotland	59.5	98.2	94.0	97.3	93.0	95.8
Northern Ireland	25.4	98.2	93.4	97.5	92.4	95.9

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Table 6: BCG vaccinations by age, 2013-14

The KC50 data collection was suspended following a review in 2013. Data on BCG vaccinations for 2013-14 are not therefore available. See section 1.5 in NHS Immunisation Statistics, England, 2013-14 for more information: <http://www.hscic.gov.uk/searchcatalogue?q=title%3A+nhs+immunisation+statistics&area=&size=10&sort=Relevance>

Table 7: Tuberculin skin tests by result and BCG vaccinations, 2003-04 to 2013-14

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.hscic.gov.uk/searchcatalogue?productid=9990&q=title%253a+nhs+immunisation+statistics&sort=Relevance&size=10&page=1>

England	percentages and thousands					
	Number of skin tests					
	Total	Found positive	Found negative	% of skin tests found negative	Number of mantoux tests ⁽²⁾	Number of vaccinations
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 ⁽¹⁾	181.1
2012-13 ⁽³⁾
2013-14 ⁽³⁾

.. Data not available

⁽¹⁾ 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.

⁽²⁾ 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.

⁽³⁾ Data are not available for these years as the KC50 data collection was suspended following a review in 2013.

Source: KC50

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NHS Immunisation Statistics, England 2013-14

Table 8: Completed primary courses: percentage of children immunised by their first birthday against Diphtheria, 1988-89 to 2013-14

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 ⁽¹⁾	91.4
2006-07 ⁽²⁾⁽³⁾	91.1
2007-08 ⁽²⁾⁽⁴⁾	91.3
2008-09 ⁽²⁾⁽⁵⁾	92.0
2009-10 ⁽²⁾⁽⁶⁾	93.6
2010-11 ⁽²⁾⁽⁷⁾	94.2
2011-12 ⁽²⁾⁽⁸⁾	94.7
2012-13 ⁽²⁾⁽⁹⁾	94.7
2013-14 ⁽²⁾⁽¹⁰⁾	94.3

Table 9: Completed primary courses: percentage of children immunised by their second birthday against Measles Mumps and Rubella (MMR), 1988-89 to 2013-14

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 ⁽¹⁾	84.1
2006-07 ⁽³⁾	85.2
2007-08 ⁽⁴⁾	84.6
2008-09 ⁽⁵⁾	84.9
2009-10 ⁽⁶⁾	88.2
2010-11 ⁽⁷⁾	89.1
2011-12 ⁽⁸⁾	91.2
2012-13 ⁽⁹⁾	92.3
2013-14 ⁽¹⁰⁾	92.7

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

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

⁽²⁾ Figures from 2006-07 to present are for DTaP/IPV/Hib '5-in 1' vaccine which includes Diphtheria, Tetanus, Polio, Pertussis and Hib.

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

⁽⁴⁾ In 2007-08, 6 PCTs were unable to submit data due to problems relating to the implementation of a new child health 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, 6 of which were associated with the implementation of child health information systems. In addition, 3 PCTs reported only partial data for their area and a further 1 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

⁽¹⁰⁾ In 2013-14, data quality issues were reported in relation to data for 8 LAs.

Source: COVER

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Table 10: Percentage of children immunised by their first birthday, by region, 2013-14

<i>percentages and thousands</i>				
Region	ONS ⁽¹⁾ Code	Percentage immunised by their 1st birthday		
		Number of children aged 1 (thousands) (=100%)	Diphtheria Tetanus Polio Pertussis Hib (DTaP/IPV/Hib)	
			Pneumococcal Disease (PCV)	
			<i>primary</i> %	<i>primary</i> %
England		686.2	94.3	94.1
North East	E12000001	29.9	96.4	96.4
North West	E12000002	85.8	95.7	95.3
Yorkshire and the Humber	E12000003	66.3	96.1	95.8
East Midlands	E12000004	54.7	96.5	96.1
West Midlands	E12000005	72.9	95.2	94.8
East of England	E12000006	74.9	95.8	95.5
London	E12000007	132.3	89.8	89.7
South East	E12000008	108.2	93.6	93.2
South West	E12000009	61.1	96.0	95.8

⁽¹⁾ Office of National Statistics

Source: COVER

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NHS Immunisation Statistics, England 2013-14

Table 10a: Percentage of children immunised by their first birthday, by Local Authority*, 2013-14

		percentages and thousands				
Region	Local Authority (LA)	ONS Code	Number of children aged 1 (thousands) (=100%)	Percentage immunised by their 1st birthday		
				Diphtheria Tetanus Polio Pertussis Hib (DTaP/IPV/Hib)	Pneumococcal Disease (PCV)	
				primary %	primary %	
England			686.2	94.3	94.1	
North East			E12000001	29.9	96.4	96.4
	County Durham	E06000047	5.7	97.6	97.9	
	Darlington	E06000005	1.3	96.7	96.5	
	Gateshead ⁽¹⁾	E08000037	2.3	96.2	95.6	
	Hartlepool	E06000001	1.1	95.5	94.0	
	Middlesbrough	E06000002	2.1	90.2	94.5	
	Newcastle upon Tyne	E08000021	3.3	95.3	94.6	
	North Tyneside	E08000022	2.4	98.3	98.1	
	Northumberland	E06000057	3.2	96.4	96.1	
	Redcar and Cleveland	E06000003	1.5	96.3	96.4	
	South Tyneside	E08000023	1.7	98.4	98.3	
	Stockton-on-Tees	E06000004	2.4	95.7	94.8	
	Sunderland	E08000024	2.9	98.2	98.0	
North West			E12000002	85.8	95.7	95.3
	Blackburn with Darwen	E06000008	2.2	94.8	94.2	
	Blackpool	E06000009	1.7	95.8	95.9	
	Bolton	E08000001	4.0	96.3	96.5	
	Bury	E08000002	2.6	95.9	95.6	
	Cheshire East	E06000049	4.0	97.0	97.2	
	Cheshire West and Chester	E06000050	3.6	96.9	96.8	
	Cumbria	E10000006	5.0	97.3	97.3	
	Halton	E06000006	1.7	92.8	94.0	
	Knowsley	E08000011	2.0	96.0	96.2	
	Lancashire ⁽²⁾	E10000017	12.7	92.7	91.4	
	Liverpool	E08000012	5.8	95.6	95.5	
	Manchester	E08000003	7.4	95.4	94.3	
	Oldham	E08000004	3.3	97.1	96.5	
	Rochdale	E08000005	3.0	96.3	95.9	
	Salford	E08000006	3.4	97.7	96.3	
	Sefton	E08000014	2.8	96.3	96.0	
	St Helens	E08000013	2.1	92.8	94.0	
	Stockport	E08000007	3.5	95.9	95.5	
	Tameside	E08000008	2.6	96.5	96.3	
	Trafford ⁽³⁾	E08000009	2.7	97.7	97.1	
	Warrington	E06000007	2.5	96.5	96.2	
	Wigan	E08000010	3.6	96.7	96.8	
	Wirral	E08000015	3.7	96.8	96.6	
Yorkshire & the Humber			E12000003	66.3	96.1	95.8
	Barnsley	E08000016	3.2	97.1	96.9	
	Bradford	E08000032	8.0	95.2	94.9	
	Calderdale	E08000033	2.7	96.7	96.0	
	Doncaster	E08000017	3.7	95.8	95.5	
	East Riding of Yorkshire	E06000011	2.9	97.2	97.1	
	Kingston upon Hull	E06000010	4.0	96.1	95.7	

NHS Immunisation Statistics, England 2013-14

Table 10a: Percentage of children immunised by their first birthday, by Local Authority*, 2013-14

percentages and thousands					
Region	Local Authority (LA)	ONS Code	Number of children aged 1 (thousands) (=100%)	Percentage immunised by their 1st birthday	
				Diphtheria Tetanus Polio Pertussis Hib (DTaP/IPV/Hib)	Pneumococcal Disease (PCV)
				primary %	primary %
England			686.2	94.3	94.1
	Kirklees	E08000034	5.5	97.2	97.0
	Leeds	E08000035	10.3	96.2	95.7
	North East Lincolnshire	E06000012	2.0	97.3	97.1
	North Lincolnshire	E06000013	2.0	96.7	96.1
	North Yorkshire	E10000023	5.8	95.9	95.8
	Rotherham	E08000018	3.1	96.4	96.1
	Sheffield	E08000019	6.8	94.1	93.6
	Wakefield	E08000036	4.3	97.1	96.7
	York	E06000014	2.0	95.9	95.8
East Midlands			E12000004	54.7	96.5
	Derby ⁽⁴⁾	E06000015	4.0	95.5	95.0
	Derbyshire	E10000007	7.8	97.1	96.7
	Leicester	E06000016	5.1	96.8	96.1
	Leicestershire ⁽⁵⁾	E10000018	7.4	97.9	97.7
	Lincolnshire	E10000019	8.0	95.9	95.7
	Northamptonshire	E10000021	8.9	97.6	97.2
	Nottingham	E06000018	4.5	92.9	92.0
	Nottinghamshire	E10000024	9.0	96.1	95.9
West Midlands			E12000005	72.9	95.2
	Birmingham	E08000025	17.6	91.5	91.2
	County of Herefordshire	E06000019	1.9	95.3	94.8
	Coventry	E08000026	4.7	96.6	95.6
	Dudley	E08000027	3.8	97.6	97.8
	Sandwell	E08000028	4.9	93.3	92.9
	Shropshire	E06000051	2.9	97.8	97.3
	Solihull	E08000029	2.6	96.0	95.9
	Staffordshire	E10000028	9.1	97.4	97.2
	Stoke-on-Trent	E06000021	3.7	96.3	96.5
	Telford and Wrekin	E06000020	2.2	97.2	96.4
	Walsall	E08000030	3.4	97.0	96.8
	Warwickshire	E10000031	6.0	97.7	97.4
	Wolverhampton	E08000031	3.6	92.5	92.1
	Worcestershire	E10000034	6.5	96.4	95.8
East of England			E12000006	74.9	95.8
	Bedford	E06000055	2.2	97.1	96.9
	Cambridgeshire ⁽⁴⁾	E10000003	7.9	93.7	92.8
	Central Bedfordshire	E06000056	3.5	97.2	96.9
	Essex	E10000012	16.9	95.6	95.7
	Hertfordshire	E10000015	15.3	97.0	96.5
	Luton	E06000032	3.5	95.1	94.3
	Norfolk	E10000020	9.5	96.3	95.8
	Peterborough ⁽⁴⁾	E06000031	3.2	94.4	94.4
	Southend-on-Sea	E06000033	2.2	95.2	94.9
	Suffolk	E10000029	8.2	96.1	95.6
	Thurrock	E06000034	2.6	94.1	95.7

NHS Immunisation Statistics, England 2013-14

Table 10a: Percentage of children immunised by their first birthday, by Local Authority*, 2013-14

<i>percentages and thousands</i>				
Region	Local Authority (LA)	ONS Code	Number of children aged 1 (thousands) (=100%)	Percentage immunised by their 1st birthday
				<div> Diphtheria Tetanus Polio Pertussis Hib (DTaP/IPV/Hib) </div> <div> Pneumococcal Disease (PCV) </div>
				<div> <i>primary</i> </div> <div> <i>primary</i> </div>
				<div> % </div> <div> % </div>
England			686.2	94.3
London	E12000007		132.3	89.8
	Barking and Dagenham	E09000002	4.0	89.2
	Barnet	E09000003	5.8	79.7
	Bexley	E09000004	3.2	91.9
	Brent ⁽⁴⁾	E09000005	5.3	93.6
	Bromley	E09000006	4.2	94.5
	Camden	E09000007	2.6	98.0
	City of Westminster	E09000033	2.9	79.0
	Croydon	E09000008	5.7	91.7
	Ealing	E09000009	6.0	94.5
	Enfield ⁽⁶⁾	E09000010	4.9	78.6
	Greenwich	E09000011	4.8	91.6
	Hackney ⁽⁷⁾	E09000012	4.5	86.7
	Hammersmith and Fulham	E09000013	2.6	81.2
	Haringey	E09000014	4.0	91.6
	Harrow ⁽⁴⁾	E09000015	3.4	95.9
	Havering	E09000016	3.1	87.1
	Hillingdon	E09000017	4.3	93.4
	Hounslow	E09000018	4.5	91.4
	Islington	E09000019	2.9	93.0
	Kensington and Chelsea	E09000020	2.3	80.7
	Kingston upon Thames	E09000021	2.6	94.7
	Lambeth	E09000022	4.7	93.0
	Lewisham	E09000023	4.9	89.7
	Merton	E09000024	3.2	82.1
	Newham	E09000025	6.1	88.5
	Redbridge	E09000026	4.8	92.3
	Richmond upon Thames	E09000027	2.9	92.6
	Southwark	E09000028	4.4	92.2
	Sutton	E09000029	2.6	86.7
	Tower Hamlets ⁽⁴⁾	E09000030	4.6	96.0
	Waltham Forest	E09000031	4.8	87.1
	Wandsworth	E09000032	5.5	89.5
South East	E12000008		108.2	93.6
	Bracknell Forest	E06000036	1.6	93.6
	Brighton and Hove	E06000043	3.1	93.8
	Buckinghamshire	E10000002	6.3	96.4
	East Sussex	E10000011	5.4	94.6
	Hampshire	E10000014	15.7	96.4
	Isle of Wight	E06000046	1.3	89.2
	Kent ⁽⁸⁾	E10000016	17.9	93.0
	Medway ⁽⁸⁾	E06000035	3.2	94.0
	Milton Keynes	E06000042	4.0	94.8
	Oxfordshire	E10000025	8.2	97.0
	Portsmouth	E06000044	2.8	95.5
	Reading	E06000038	2.6	94.0
	Slough	E06000039	2.6	93.6
	Southampton	E06000045	3.5	95.6

Table 10a: Percentage of children immunised by their first birthday, by Local Authority*, 2013-14

percentages and thousands						
Region	Local Authority (LA)	ONS Code	Number of children aged 1 (thousands) (=100%)	Percentage immunised by their 1st birthday		
				Diphtheria Tetanus Polio Pertussis Hib (DTaP/IPV/Hib)	Pneumococcal Disease (PCV)	
				primary %	primary %	
England			686.2	94.3	94.1	
	Surrey	E10000030	14.9	85.5	85.1	
	West Berkshire	E06000037	2.1	94.0	93.3	
	West Sussex	E10000032	9.2	95.5	95.1	
	Windsor and Maidenhead	E06000040	1.8	93.6	93.4	
	Wokingham	E06000041	2.1	94.0	93.3	
South West			E12000009	61.1	96.0	95.8
	Bath and North East Somerset	E06000022	2.0	96.1	96.1	
	Bournemouth	E06000028	2.3	93.7	93.3	
	Bristol	E06000023	6.5	96.0	95.6	
	Cornwall ⁽⁹⁾	E06000052	5.8	95.0	94.8	
	Devon	E10000008	7.6	96.0	95.7	
	Dorset	E10000009	3.7	96.8	96.8	
	Gloucestershire	E10000013	6.8	95.4	95.2	
	North Somerset	E06000024	2.3	97.3	97.2	
	Plymouth	E06000026	3.4	97.2	96.9	
	Poole	E06000029	1.9	93.7	93.3	
	Somerset	E10000027	5.7	95.5	95.8	
	South Gloucestershire	E06000025	3.3	98.0	97.7	
	Swindon	E06000030	3.2	96.2	95.2	
	Torbay	E06000027	1.5	98.0	97.6	
	Wiltshire	E06000054	5.4	96.7	96.5	

* Figures reported by LA are for the LA responsible population and in some cases have been estimated - see the 'Notes on LA data' tab for more information.

⁽¹⁾ Figures for Gateshead are for the resident Gateshead population and not the responsible population.

⁽²⁾ Data quality issues were reported for East Lancashire PCT (which forms part of Lancashire LA) leading to lower levels of reported coverage in 2013-14.

⁽³⁾ Suspected data quality issues have been reported for Trafford.

⁽⁴⁾ Figures for Brent, Harrow, Tower Hamlets, Derby, Peterborough and Cambridgeshire LAs are for the GP registered population only.

⁽⁵⁾ Leicestershire also contains data for Rutland.

⁽⁶⁾ Data quality issues were reported for the third and fourth quarters of 2013-14 for Enfield leading to lower levels of reported coverage.

⁽⁷⁾ Hackney also contains data for City of London.

⁽⁸⁾ Data quality issues associated with a new CHIS have been reported for Kent and Medway LAs.

⁽⁹⁾ Cornwall also contains data for Isles of Scilly.

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NHS Immunisation Statistics, England 2013-14

Table 10b: Number of children immunised by their first birthday, by Local Authority*, 2013-14

				numbers	
Region	Local Authority (LA)	ONS Code	Number of children aged 1	Number immunised by their 1st birthday	
				Diphtheria Tetanus Polio Pertussis Hib (DTaP/IPV/Hib) <i>primary</i>	Pneumococcal Disease (PCV) <i>primary</i>
England			686,157	647,304	645,496
North East		E12000001	29,911	28,843	28,845
	County Durham	E06000047	5,656	5,523	5,535
	Darlington	E06000005	1,285	1,243	1,240
	Gateshead ⁽¹⁾	E08000037	2,262	2,177	2,162
	Hartlepool	E06000001	1,092	1,043	1,027
	Middlesbrough	E06000002	2,090	1,885	1,975
	Newcastle upon Tyne	E08000021	3,337	3,180	3,157
	North Tyneside	E08000022	2,396	2,355	2,350
	Northumberland	E06000057	3,230	3,114	3,103
	Redcar and Cleveland	E06000003	1,547	1,489	1,491
	South Tyneside	E08000023	1,667	1,641	1,639
	Stockton-on-Tees	E06000004	2,417	2,314	2,292
	Sunderland	E08000024	2,932	2,879	2,874
North West		E12000002	85,833	82,143	81,815
	Blackburn with Darwen	E06000008	2,173	2,059	2,048
	Blackpool	E06000009	1,661	1,592	1,593
	Bolton	E08000001	3,964	3,817	3,824
	Bury	E08000002	2,565	2,461	2,453
	Cheshire East	E06000049	4,028	3,906	3,916
	Cheshire West and Chester	E06000050	3,563	3,452	3,448
	Cumbria	E10000006	4,999	4,866	4,863
	Halton	E06000006	1,666	1,546	1,566
	Knowsley	E08000011	1,958	1,879	1,884
	Lancashire ⁽²⁾	E10000017	12,673	11,749	11,577
	Liverpool	E08000012	5,838	5,579	5,573
	Manchester	E08000003	7,427	7,087	7,000
	Oldham	E08000004	3,304	3,207	3,190
	Rochdale	E08000005	3,017	2,906	2,892
	Salford	E08000006	3,373	3,296	3,248
	Sefton	E08000014	2,818	2,715	2,706
	St Helens	E08000013	2,099	1,948	1,973
	Stockport	E08000007	3,538	3,394	3,378
	Tameside	E08000008	2,614	2,522	2,518
	Trafford ⁽³⁾	E08000009	2,692	2,629	2,614
	Warrington	E06000007	2,484	2,397	2,390
	Wigan	E08000010	3,554	3,438	3,441
	Wirral	E08000015	3,748	3,627	3,622
Yorkshire & the Humber		E12000003	66,293	63,714	63,485
	Barnsley	E08000016	3,155	3,064	3,057
	Bradford	E08000032	7,985	7,599	7,574
	Calderdale	E08000033	2,749	2,659	2,639
	Doncaster	E08000017	3,723	3,567	3,555
	East Riding of Yorkshire	E06000011	2,923	2,841	2,838

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Table 10b: Number of children immunised by their first birthday, by Local Authority*, 2013-14

				numbers	
Region	Local Authority (LA)	ONS Code	Number of children aged 1	Number immunised by their 1st birthday	
				Diphtheria Tetanus Polio Pertussis Hib (DTaP/IPV/Hib) <i>primary</i>	Pneumococcal Disease (PCV) <i>primary</i>
England			686,157	647,304	645,496
	Kingston upon Hull	E06000010	3,981	3,824	3,808
	Kirklees	E08000034	5,488	5,337	5,326
	Leeds	E08000035	10,296	9,901	9,854
	North East Lincolnshire	E06000012	1,965	1,913	1,909
	North Lincolnshire	E06000013	1,963	1,898	1,888
	North Yorkshire	E10000023	5,819	5,582	5,576
	Rotherham	E08000018	3,078	2,967	2,958
	Sheffield	E08000019	6,816	6,417	6,378
	Wakefield	E08000036	4,334	4,210	4,192
	York	E06000014	2,045	1,962	1,960
East Midlands		E12000004	54,696	52,757	52,544
	Derby ⁽⁴⁾	E06000015	3,984	3,804	3,783
	Derbyshire	E10000007	7,830	7,600	7,571
	Leicester	E06000016	5,091	4,930	4,893
	Leicestershire ⁽⁵⁾	E10000018	7,391	7,233	7,219
	Lincolnshire	E10000019	8,015	7,688	7,672
	Northamptonshire	E10000021	8,886	8,673	8,637
	Nottingham	E06000018	4,498	4,177	4,137
	Nottinghamshire	E10000024	8,973	8,624	8,605
West Midlands		E12000005	72,934	69,415	69,172
	Birmingham	E08000025	17,630	16,131	16,077
	County of Herefordshire	E06000019	1,928	1,837	1,828
	Coventry	E08000026	4,710	4,551	4,502
	Dudley	E08000027	3,772	3,680	3,688
	Sandwell	E08000028	4,895	4,568	4,549
	Shropshire	E06000051	2,896	2,832	2,819
	Solihull	E08000029	2,582	2,478	2,476
	Staffordshire	E10000028	9,143	8,901	8,888
	Stoke-on-Trent	E06000021	3,658	3,524	3,530
	Telford and Wrekin	E06000020	2,209	2,147	2,129
	Walsall	E08000030	3,416	3,314	3,306
	Warwickshire	E10000031	5,973	5,838	5,818
	Wolverhampton	E08000031	3,585	3,315	3,302
	Worcestershire	E10000034	6,537	6,299	6,260
East of England		E12000006	74,919	71,792	71,567
	Bedford	E06000055	2,186	2,123	2,118
	Cambridgeshire ⁽⁴⁾	E10000003	7,898	7,400	7,328
	Central Bedfordshire	E06000056	3,462	3,364	3,354
	Essex	E10000012	16,858	16,109	16,127
	Hertfordshire	E10000015	15,302	14,840	14,767
	Luton	E06000032	3,466	3,295	3,268
	Norfolk	E10000020	9,545	9,194	9,147

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Table 10b: Number of children immunised by their first birthday, by Local Authority*, 2013-14

				numbers
Region	Local Authority (LA)	ONS Code	Number of children aged 1	Number immunised by their 1st birthday
				<div> Diphtheria Tetanus Polio Pertussis Hib (DTaP/IPV/Hib) </div> <div> Pneumococcal Disease (PCV) </div>
				<div> primary </div> <div> primary </div>
England			686,157	647,304 645,496
	Peterborough ⁽⁴⁾	E06000031	3,228	3,048 3,047
	Southend-on-Sea	E06000033	2,225	2,119 2,111
	Suffolk	E10000029	8,151	7,836 7,795
	Thurrock	E06000034	2,604	2,450 2,491
London		E12000007	132,280	118,737 118,682
	Barking and Dagenham	E09000002	4,000	3,567 3,487
	Barnet	E09000003	5,789	4,612 4,767
	Bexley	E09000004	3,168	2,912 2,913
	Brent ⁽⁴⁾	E09000005	5,262	4,923 4,929
	Bromley	E09000006	4,231	3,997 3,957
	Camden	E09000007	2,559	2,507 2,447
	City of Westminster	E09000033	2,930	2,316 2,350
	Croydon	E09000008	5,671	5,200 5,165
	Ealing	E09000009	5,956	5,628 5,578
	Enfield ⁽⁶⁾	E09000010	4,944	3,888 3,868
	Greenwich	E09000011	4,806	4,402 4,517
	Hackney ⁽⁷⁾	E09000012	4,526	3,924 3,912
	Hammersmith and Fulham	E09000013	2,609	2,119 2,219
	Haringey	E09000014	3,998	3,664 3,643
	Harrow ⁽⁴⁾	E09000015	3,412	3,273 3,270
	Havering	E09000016	3,109	2,707 2,720
	Hillingdon	E09000017	4,292	4,009 3,997
	Hounslow	E09000018	4,500	4,115 4,065
	Islington	E09000019	2,938	2,732 2,722
	Kensington and Chelsea	E09000020	2,279	1,840 1,861
	Kingston upon Thames	E09000021	2,646	2,507 2,498
	Lambeth	E09000022	4,742	4,410 4,386
	Lewisham	E09000023	4,899	4,395 4,396
	Merton	E09000024	3,183	2,612 2,704
	Newham	E09000025	6,114	5,409 5,373
	Redbridge	E09000026	4,841	4,469 4,393
	Richmond upon Thames	E09000027	2,921	2,706 2,701
	Southwark	E09000028	4,438	4,092 4,076
	Sutton	E09000029	2,615	2,267 2,310
	Tower Hamlets ⁽⁴⁾	E09000030	4,554	4,391 4,370
	Waltham Forest	E09000031	4,848	4,223 4,155
	Wandsworth	E09000032	5,500	4,921 4,933
South East		E12000008	108,159	101,203 100,825
	Bracknell Forest	E06000036	1,555	1,455 1,452
	Brighton and Hove	E06000043	3,073	2,882 2,846
	Buckinghamshire	E10000002	6,299	6,070 6,041
	East Sussex	E10000011	5,380	5,089 5,077
	Hampshire	E10000014	15,727	15,161 15,124
	Isle of Wight	E06000046	1,335	1,191 1,219

Table 10b: Number of children immunised by their first birthday, by Local Authority*, 2013-14

Region	Local Authority (LA)	ONS Code	Number of children aged 1	numbers	
				Number immunised by their 1st birthday	
				Diphtheria Tetanus Polio Pertussis Hib (DTaP/IPV/Hib)	Pneumococcal Disease (PCV)
				<i>primary</i>	<i>primary</i>
England			686,157	647,304	645,496
	Kent ⁽⁸⁾	E10000016	17,868	16,614	16,572
	Medway ⁽⁸⁾	E06000035	3,179	2,987	2,971
	Milton Keynes	E06000042	4,038	3,828	3,818
	Oxfordshire	E10000025	8,215	7,969	7,940
	Portsmouth	E06000044	2,793	2,667	2,660
	Reading	E06000038	2,571	2,418	2,400
	Slough	E06000039	2,596	2,430	2,425
	Southampton	E06000045	3,475	3,323	3,294
	Surrey	E10000030	14,907	12,745	12,687
	West Berkshire	E06000037	2,095	1,970	1,955
	West Sussex	E10000032	9,236	8,822	8,779
	Windsor and Maidenhead	E06000040	1,767	1,654	1,651
	Wokingham	E06000041	2,051	1,929	1,915
South West		E12000009	61,132	58,700	58,561
	Bath and North East Somerset	E06000022	1,996	1,918	1,919
	Bournemouth	E06000028	2,324	2,177	2,168
	Bristol	E06000023	6,450	6,190	6,167
	Cornwall ⁽⁹⁾	E06000052	5,752	5,462	5,454
	Devon	E10000008	7,568	7,266	7,240
	Dorset	E10000009	3,657	3,541	3,541
	Gloucestershire	E10000013	6,772	6,461	6,447
	North Somerset	E06000024	2,335	2,272	2,269
	Plymouth	E06000026	3,374	3,279	3,269
	Poole	E06000029	1,859	1,741	1,734
	Somerset	E10000027	5,722	5,466	5,482
	South Gloucestershire	E06000025	3,256	3,192	3,182
	Swindon	E06000030	3,188	3,066	3,036
	Torbay	E06000027	1,519	1,488	1,482
	Wiltshire	E06000054	5,443	5,261	5,250

* Figures reported by LA are for the LA responsible population and in some cases have been estimated - see the 'Notes on LA data' tab for more information.

⁽¹⁾ Figures for Gateshead are for the resident Gateshead population and not the responsible population.

⁽²⁾ Data quality issues were reported for East Lancashire PCT (which forms part of Lancashire LA) leading to lower levels of reported coverage in 2013-14.

⁽³⁾ Suspected data quality issues have been reported for Trafford.

⁽⁴⁾ Figures for Brent, Harrow, Tower Hamlets, Derby, Peterborough and Cambridgeshire LAs are for the GP registered population only.

⁽⁵⁾ Leicestershire also contains data for Rutland.

⁽⁶⁾ Data quality issues were reported for the third and fourth quarters of 2013-14 for Enfield leading to lower levels of reported coverage.

⁽⁷⁾ Hackney also contains data for City of London.

⁽⁸⁾ Data quality issues associated with a new CHIS have been reported for Kent and Medway LAs.

⁽⁹⁾ Cornwall also contains data for Isles of Scilly.

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NHS Immunisation Statistics, England 2013-14

Table 10c: Percentage of children immunised by their first birthday, by Area Team, 2013-14

		<i>percentages and thousands</i>		
		Number of children aged 1 (thousands) (=100%)	Percentage immunised by their 1st birthday	
Region & Area Team Codes	ONS Code		Diphtheria Tetanus Polio Pertussis Hib (DTaP/IPV/Hib) <i>primary</i> %	Pneumococcal Disease (PCV) <i>primary</i> %
England		686.2	94.3	94.1
Y54 North of England	E40000001	183.6	96.0	95.7
Q44 Cheshire, Warrington and Wirral	E39000001	13.9	96.8	96.9
Q45 Durham, Darlington and Tees	E39000002	14.1	95.8	96.3
Q46 Greater Manchester	E39000003	36.4	96.4	95.9
Q47 Lancashire	E39000004	16.5	93.3	92.2
Q48 Merseyside	E39000005	14.4	95.0	95.3
Q49 Cumbria, Northumberland, Tyne and Wear	E39000006	20.9	97.1	96.8
Q50 North Yorkshire and Humber	E39000007	18.1	96.4	96.2
Q51 South Yorkshire and Bassetlaw	E39000008	18.0	95.5	95.1
Q52 West Yorkshire	E39000009	31.3	96.3	95.9
Y55 Midlands and East of England	E40000002	205.0	95.7	95.4
Q53 Arden, Herefordshire and Worcestershire	E39000010	19.1	96.7	96.1
Q54 Birmingham and The Black Country	E39000011	35.9	93.3	93.1
Q55 Derbyshire and Nottinghamshire	E39000012	23.7	95.7	95.3
Q56 East Anglia	E39000013	29.3	95.4	94.8
Q57 Essex	E39000014	21.7	95.4	95.7
Q58 Hertfordshire and The South Midlands	E39000015	36.9	96.7	96.3
Q59 Leicestershire and Lincolnshire	E39000016	20.5	96.8	96.5
Q60 Shropshire and Staffordshire	E39000017	17.9	97.2	97.0
Y56 London	E40000003	132.3	89.8	89.7
Q71 London	E39000018	132.3	89.8	89.7
Y57 South of England	E40000004	165.2	94.4	94.1
Q64 Bath, Gloucestershire, Swindon and Wiltshire	E39000019	17.4	96.0	95.7
Q65 Bristol, North Somerset, Somerset and South Gloucestershire	E39000020	17.8	96.4	96.3
Q66 Devon, Cornwall and Isles Of Scilly	E39000021	18.2	96.1	95.8
Q67 Kent and Medway	E39000022	21.0	93.1	92.9
Q68 Surrey and Sussex	E39000023	32.0	90.7	90.2
Q69 Thames Valley	E39000024	27.1	95.4	94.9
Q70 Wessex	E39000025	31.7	95.4	95.2

Source: COVER

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Table 11: Percentage of children immunised by their second birthday, by region, 2013-14

<i>percentages and thousands</i>						
Percentage immunised by their 2nd birthday						
Region	ONS Code	Number of children aged 2 (thousands) (=100%)	Diphtheria Tetanus Polio Pertussis Hib (DTaP/IPV/Hib)	MMR	Hib/MenC	Pneumococcal Conjugate Vaccine (PCV)
			<i>primary</i> %	<i>1st dose</i> %	<i>booster</i> %	<i>booster</i> %
England		697.2	96.1	92.7	92.5	92.4
North East	E12000001	30.8	97.9	95.5	96.0	95.7
North West	E12000002	86.9	97.3	94.9	94.3	94.2
Yorkshire and the Humber	E12000003	67.3	97.3	94.7	95.0	95.0
East Midlands	E12000004	55.9	97.7	94.9	95.3	95.2
West Midlands	E12000005	73.3	96.6	93.6	92.7	93.7
East of England	E12000006	75.8	97.0	93.7	95.0	94.1
London	E12000007	131.9	93.1	87.5	86.8	86.3
South East	E12000008	112.6	95.2	91.8	91.7	91.4
South West	E12000009	62.8	97.4	94.2	93.5	94.4

Source: COVER

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NHS Immunisation Statistics, England 2013-14

Table 11a: Percentage of children immunised by their second birthday, by Local Authority*, 2013-14

percentages and thousands											
Region	Local Authority (LA)	ONS Code	Number of children aged 2 (thousands) (=100%)	Percentage immunised by their 2nd birthday							
				Diphtheria Tetanus Polio Pertussis Hib (DTaP/IPV/Hib)	MMR	Hib/MenC	Pneumococcal Conjugate Vaccine (PCV)				
								primary	1st dose	booster	booster
England			697.2	96.1	92.7	92.5	92.4				
North East		E12000001	30.8	97.9	95.5	96.0	95.7				
	County Durham	E06000047	5.9	98.7	97.2	97.5	97.5				
	Darlington	E06000005	1.3	98.1	93.4	98.1	98.5				
	Gateshead ⁽¹⁾	E08000037	2.3	97.9	94.6	93.9	94.7				
	Hartlepool	E06000001	1.2	95.8	91.7	92.2	91.7				
	Middlesbrough	E06000002	2.1	95.8	92.7	93.7	92.3				
	Newcastle upon Tyne	E08000021	3.3	96.7	94.6	93.8	94.0				
	North Tyneside	E08000022	2.4	99.0	95.8	98.0	96.4				
	Northumberland	E06000057	3.3	97.7	96.3	96.2	95.3				
	Redcar and Cleveland	E06000003	1.7	98.5	95.5	96.7	95.9				
	South Tyneside	E08000023	1.7	99.1	97.5	97.6	97.9				
	Stockton-on-Tees	E06000004	2.5	97.1	94.6	94.3	94.6				
	Sunderland	E08000024	3.3	98.8	96.6	97.3	97.2				
North West		E12000002	86.9	97.3	94.9	94.3	94.2				
	Blackburn with Darwen	E06000008	2.2	95.9	94.2	94.0	94.5				
	Blackpool	E06000009	1.7	96.9	91.5	91.8	91.9				
	Bolton	E08000001	4.0	98.2	96.4	95.0	96.0				
	Bury	E08000002	2.5	96.5	95.1	93.1	93.9				
	Cheshire East	E06000049	4.1	97.7	95.1	96.4	94.9				
	Cheshire West and Chester	E06000050	3.6	97.4	95.4	93.2	96.0				
	Cumbria	E10000006	5.1	98.1	96.7	96.7	95.2				
	Halton	E06000006	1.7	97.7	96.3	96.9	96.5				
	Knowsley	E08000011	2.0	97.3	95.2	97.0	96.7				
	Lancashire ⁽²⁾	E10000017	12.6	96.4	93.7	91.0	91.1				
	Liverpool	E08000012	5.8	97.4	94.7	94.5	95.0				
	Manchester	E08000003	7.5	96.2	92.9	91.1	92.0				
	Oldham	E08000004	3.3	96.9	96.1	95.2	95.7				
	Rochdale	E08000005	3.1	97.0	95.7	94.7	95.5				
	Salford	E08000006	3.2	99.1	98.3	98.1	97.8				
	Sefton	E08000014	2.8	97.2	94.7	94.9	95.0				
	St Helens	E08000013	2.1	97.7	96.3	96.9	96.5				
	Stockport	E08000007	3.4	97.7	93.7	94.1	93.0				
	Tameside	E08000008	2.7	97.8	93.9	94.6	95.0				
	Trafford ⁽³⁾	E08000009	2.7	98.7	96.8	96.4	96.4				
	Warrington	E06000007	2.5	98.3	94.7	95.6	95.1				
	Wigan	E08000010	3.9	97.6	95.3	95.3	95.6				
	Wirral	E08000015	3.9	97.8	95.1	94.8	93.5				
Yorkshire & the Humber		E12000003	67.3	97.3	94.7	95.0	95.0				
	Barnsley	E08000016	3.2	98.6	96.2	97.5	96.7				
	Bradford	E08000032	8.3	96.8	94.6	94.8	94.6				
	Calderdale	E08000033	2.6	97.7	93.6	94.8	94.7				
	Doncaster	E08000017	3.8	96.8	93.1	94.2	94.1				
	East Riding of Yorkshire	E06000011	3.1	98.2	96.3	96.8	96.7				
	Kingston upon Hull	E06000010	4.0	98.0	95.0	94.7	94.8				
	Kirklees	E08000034	5.6	98.4	98.0	97.0	96.4				

NHS Immunisation Statistics, England 2013-14

Table 11a: Percentage of children immunised by their second birthday, by Local Authority*, 2013-14

percentages and thousands							
Region	Local Authority (LA)	ONS Code	Number of children aged 2 (thousands) (=100%)	Percentage immunised by their 2nd birthday			
				Diphtheria Tetanus Polio Pertussis Hib (DTaP/IPV/Hib)	MMR	Hib/MenC	Pneumococcal Conjugate Vaccine (PCV)
				primary	1st dose	booster	booster
				%	%	%	%
England			697.2	96.1	92.7	92.5	92.4
	Leeds	E08000035	10.3	97.9	95.3	95.7	95.5
	North East Lincolnshire	E06000012	2.1	98.3	96.2	96.5	96.7
	North Lincolnshire	E06000013	1.9	97.9	94.7	95.5	94.9
	North Yorkshire	E10000023	6.1	95.8	94.5	92.4	96.7
	Rotherham	E08000018	3.1	97.3	93.0	94.5	93.3
	Sheffield	E08000019	6.9	96.2	90.8	93.7	90.7
	Wakefield	E08000036	4.2	97.6	95.4	95.8	95.7
	York	E06000014	2.1	95.8	94.5	92.4	96.7
East Midlands		E12000004	55.9	97.7	94.9	95.3	95.2
	Derby ⁽⁴⁾	E06000015	4.2	97.7	94.2	94.3	94.6
	Derbyshire	E10000007	8.0	98.5	95.5	96.3	95.8
	Leicester	E06000016	5.3	98.0	95.8	95.8	95.6
	Leicestershire ⁽⁵⁾	E10000018	7.6	98.9	96.7	97.2	96.9
	Lincolnshire	E10000019	8.2	96.4	93.6	94.1	94.5
	Northamptonshire	E10000021	9.1	97.9	96.1	96.2	96.5
	Nottingham	E06000018	4.4	96.2	91.7	92.7	91.6
	Nottinghamshire	E10000024	9.1	97.7	94.2	94.5	94.1
West Midlands		E12000005	73.3	96.6	93.6	92.7	93.7
	Birmingham	E08000025	17.4	93.1	88.3	86.2	88.9
	County of Herefordshire	E06000019	1.9	96.8	92.4	90.6	92.6
	Coventry	E08000026	4.7	98.2	95.8	93.2	95.1
	Dudley	E08000027	3.8	98.7	96.7	96.0	97.3
	Sandwell	E08000028	4.8	95.4	91.3	92.6	91.5
	Shropshire	E06000051	2.9	98.5	97.8	97.6	97.8
	Solihull	E08000029	2.8	97.0	94.3	96.0	95.2
	Staffordshire	E10000028	9.3	98.1	95.0	94.8	95.8
	Stoke-on-Trent	E06000021	3.7	97.7	96.2	96.7	96.4
	Telford and Wrekin	E06000020	2.3	98.1	97.6	96.3	97.0
	Walsall	E08000030	3.5	98.5	97.0	96.5	97.2
	Warwickshire	E10000031	6.0	98.5	96.9	94.5	96.5
	Wolverhampton	E08000031	3.7	95.9	92.0	92.0	90.6
	Worcestershire	E10000034	6.3	97.5	95.1	95.1	94.4
East of England		E12000006	75.8	97.0	93.7	95.0	94.1
	Bedford	E06000055	2.3	98.0	95.8	95.4	94.6
	Cambridgeshire ⁽⁴⁾	E10000003	8.0	94.4	89.9	91.4	90.2
	Central Bedfordshire	E06000056	3.6	98.0	95.8	95.4	94.6
	Essex	E10000012	17.0	97.3	93.9	95.4	94.3
	Hertfordshire	E10000015	15.7	97.4	95.5	96.4	95.9
	Luton	E06000032	3.5	96.7	91.5	93.3	92.0
	Norfolk	E10000020	9.6	97.3	93.7	94.8	94.0
	Peterborough ⁽⁴⁾	E06000031	3.1	96.4	92.2	92.2	91.9
	Southend-on-Sea	E06000033	2.2	96.5	95.6	93.6	93.0
	Suffolk	E10000029	8.4	97.3	94.5	95.5	94.9
	Thurrock	E06000034	2.5	97.3	93.4	95.8	94.3

NHS Immunisation Statistics, England 2013-14

Table 11a: Percentage of children immunised by their second birthday, by Local Authority*, 2013-14

percentages and thousands							
Region	Local Authority (LA)	ONS Code	Number of children aged 2 (thousands) (=100%)	Percentage immunised by their 2nd birthday			
				Diphtheria	Polio	Pneumococcal	
				Tetanus	Pertussis	Conjugate	
				Hib		Vaccine	
			(DTaP/IPV/Hib)	MMR	Hib/MenC	(PCV)	
				primary	1st dose	booster	booster
				%	%	%	%
England			697.2	96.1	92.7	92.5	92.4
London		E12000007	131.9	93.1	87.5	86.8	86.3
	Barking and Dagenham	E09000002	4.0	92.5	88.1	87.1	86.2
	Barnet	E09000003	6.0	93.4	80.7	80.2	80.3
	Bexley	E09000004	3.3	96.2	90.7	91.5	91.2
	Brent ⁽⁴⁾	E09000005	5.1	95.1	89.4	90.3	88.8
	Bromley	E09000006	4.5	96.1	91.2	90.6	90.0
	Camden	E09000007	2.6	95.0	87.3	88.0	86.6
	City of Westminster	E09000033	2.8	81.6	79.5	77.5	76.9
	Croydon	E09000008	5.8	94.5	88.9	87.7	88.9
	Ealing	E09000009	6.2	96.9	89.3	89.1	88.2
	Enfield ⁽⁶⁾	E09000010	4.8	89.1	78.3	78.9	77.9
	Greenwich	E09000011	4.7	93.5	86.1	86.1	87.1
	Hackney ⁽⁷⁾	E09000012	4.3	91.7	88.4	87.9	89.1
	Hammersmith and Fulham	E09000013	2.5	86.4	82.7	80.5	78.7
	Haringey	E09000014	4.0	93.6	89.8	90.3	87.3
	Harrow ⁽⁴⁾	E09000015	3.3	95.9	92.1	92.1	90.7
	Havering	E09000016	3.3	93.1	88.7	88.5	88.8
	Hillingdon	E09000017	4.3	95.6	90.8	90.2	89.6
	Hounslow	E09000018	4.6	93.3	87.8	87.0	85.9
	Islington	E09000019	2.8	92.0	88.0	88.4	87.5
	Kensington and Chelsea	E09000020	2.3	85.0	80.4	76.6	76.4
	Kingston upon Thames	E09000021	2.7	96.2	89.5	87.6	89.3
	Lambeth	E09000022	4.4	95.3	90.4	88.8	89.1
	Lewisham	E09000023	4.7	91.8	89.1	84.9	86.3
	Merton	E09000024	3.3	86.0	82.1	81.0	82.8
	Newham	E09000025	6.2	91.9	85.1	84.8	84.0
	Redbridge	E09000026	4.7	94.1	88.0	86.7	87.2
	Richmond upon Thames	E09000027	3.1	94.9	89.0	88.4	88.0
	Southwark	E09000028	4.4	94.4	88.9	87.6	87.8
	Sutton	E09000029	2.8	87.1	87.9	86.7	87.5
	Tower Hamlets ⁽⁴⁾	E09000030	4.2	97.3	93.8	94.9	94.3
	Waltham Forest	E09000031	4.9	92.0	84.8	84.8	83.3
	Wandsworth	E09000032	5.2	94.1	88.6	86.8	85.4
South East		E12000008	112.6	95.2	91.8	91.7	91.4
	Bracknell Forest	E06000036	1.6	95.1	91.0	90.8	90.8
	Brighton and Hove	E06000043	3.1	94.9	93.4	92.2	90.1
	Buckinghamshire	E10000002	6.7	97.1	95.7	95.7	96.0
	East Sussex	E10000011	5.5	96.1	91.7	93.2	93.4
	Hampshire	E10000014	16.2	97.0	94.6	94.1	94.5
	Isle of Wight	E06000046	1.4	90.0	89.9	90.6	89.9
	Kent ⁽⁸⁾	E10000016	18.5	96.9	91.6	92.5	92.5
	Medway ⁽⁸⁾	E06000035	3.7	96.5	91.4	92.0	91.0
	Milton Keynes	E06000042	4.2	95.9	93.3	92.4	93.0
	Oxfordshire	E10000025	8.6	97.7	95.1	95.1	95.2
	Portsmouth	E06000044	2.7	96.3	94.8	94.0	94.4
	Reading	E06000038	2.5	95.8	93.6	92.9	91.0
	Slough	E06000039	2.5	95.1	91.0	90.8	90.8
	Southampton	E06000045	3.6	96.7	95.2	93.6	94.6
	Surrey	E10000030	15.8	87.8	82.2	81.3	81.3
	West Berkshire	E06000037	2.1	95.8	93.6	92.9	91.0

NHS Immunisation Statistics, England 2013-14

Table 11a: Percentage of children immunised by their second birthday, by Local Authority*, 2013-14

percentages and thousands

Region	Local Authority (LA)	ONS Code	Number of children aged 2 (thousands) (=100%)	Percentage immunised by their 2nd birthday			
				Diphtheria Tetanus Polio Pertussis Hib (DTaP/IPV/Hib)	MMR	Hib/MenC	Pneumococcal Conjugate Vaccine (PCV)
				<i>primary</i> %	<i>1st dose</i> %	<i>booster</i> %	<i>booster</i> %
England			697.2	96.1	92.7	92.5	92.4
	West Sussex	E10000032	9.6	96.4	93.9	94.3	91.4
	Windsor and Maidenhead	E06000040	1.9	95.1	91.0	90.8	90.8
	Wokingham	E06000041	2.1	95.8	93.6	92.9	91.0
South West		E12000009	62.8	97.4	94.2	93.5	94.4
	Bath and North East Somerset	E06000022	2.0	96.9	94.1	92.9	94.5
	Bournemouth	E06000028	2.4	97.2	92.1	91.6	92.6
	Bristol	E06000023	6.6	97.3	92.3	92.1	92.9
	Cornwall ⁽⁹⁾	E06000052	6.0	96.7	94.9	96.6	93.3
	Devon	E10000008	7.7	97.1	94.1	92.8	94.3
	Dorset	E10000009	3.7	98.4	95.6	95.5	96.5
	Gloucestershire	E10000013	7.0	97.1	93.9	92.8	93.8
	North Somerset	E06000024	2.5	98.0	95.3	95.0	95.9
	Plymouth	E06000026	3.4	97.9	94.2	92.7	94.2
	Poole	E06000029	2.0	97.2	92.1	91.6	92.6
	Somerset	E10000027	6.0	97.0	94.5	94.4	94.6
	South Gloucestershire	E06000025	3.2	98.9	96.3	95.7	96.4
	Swindon	E06000030	3.2	98.2	95.7	96.3	96.0
	Torbay	E06000027	1.5	98.6	95.8	94.2	95.9
	Wiltshire	E06000054	5.8	97.4	95.3	94.4	95.5

* Figures reported by LA are for the LA responsible population and in some cases have been estimated - see the 'Notes on LA data' tab for more information.

⁽¹⁾ Figures for Gateshead are for the resident Gateshead population and not the responsible population.

⁽²⁾ Data quality issues were reported for East Lancashire PCT (which forms part of Lancashire LA) leading to lower levels of reported coverage in 2013-14.

⁽³⁾ Suspected data quality issues have been reported for Trafford.

⁽⁴⁾ Figures for Brent, Harrow, Tower Hamlets, Derby, Peterborough and Cambridgeshire LAs are for the GP registered population only.

⁽⁵⁾ Leicestershire also contains data for Rutland.

⁽⁶⁾ Data quality issues were reported for the third and fourth quarters of 2013-14 for Enfield leading to lower levels of reported coverage.

⁽⁷⁾ Hackney also contains data for City of London.

⁽⁸⁾ Data quality issues associated with a new CHIS have been reported for Kent and Medway LAs.

⁽⁹⁾ Cornwall also contains data for Isles of Scilly.

Source: COVER

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NHS Immunisation Statistics, England 2013-14

Table 11b: Number of children immunised by their second birthday, by Local Authority*, 2013-14

numbers							
		Number immunised by their 2nd birthday					
Region	Local Authority (LA)	ONS Code	Number of children aged 2	Diphtheria Tetanus Polio Pertussis Hib (DTaP/IPV/Hib)	MMR	Hib/MenC	Pneumococcal Conjugate Vaccine (PCV)
				primary	1st dose	booster	booster
England			697,246	670,338	646,039	645,046	644,536
North East		E12000001	30,798	30,152	29,412	29,557	29,482
	County Durham	E06000047	5,911	5,835	5,746	5,761	5,764
	Darlington	E06000005	1,297	1,273	1,212	1,272	1,277
	Gateshead ⁽¹⁾	E08000037	2,312	2,264	2,186	2,171	2,189
	Hartlepool	E06000001	1,187	1,137	1,089	1,095	1,088
	Middlesbrough	E06000002	2,063	1,977	1,913	1,932	1,904
	Newcastle upon Tyne	E08000021	3,284	3,174	3,108	3,079	3,086
	North Tyneside	E08000022	2,444	2,419	2,342	2,395	2,356
	Northumberland	E06000057	3,251	3,176	3,131	3,127	3,097
	Redcar and Cleveland	E06000003	1,650	1,626	1,575	1,595	1,583
	South Tyneside	E08000023	1,668	1,653	1,626	1,628	1,633
	Stockton-on-Tees	E06000004	2,478	2,405	2,343	2,337	2,343
	Sunderland	E08000024	3,253	3,213	3,141	3,165	3,162
North West		E12000002	86,873	84,544	82,406	81,909	81,843
	Blackburn with Darwen	E06000008	2,246	2,155	2,116	2,112	2,122
	Blackpool	E06000009	1,720	1,666	1,574	1,579	1,580
	Bolton	E08000001	4,047	3,974	3,901	3,845	3,887
	Bury	E08000002	2,548	2,460	2,422	2,373	2,393
	Cheshire East	E06000049	4,115	4,019	3,913	3,965	3,907
	Cheshire West and Chester	E06000050	3,627	3,533	3,459	3,382	3,481
	Cumbria	E10000006	5,101	5,003	4,934	4,933	4,857
	Halton	E06000006	1,718	1,679	1,655	1,665	1,658
	Knowsley	E08000011	1,990	1,937	1,895	1,930	1,924
	Lancashire ⁽²⁾	E10000017	12,562	12,109	11,767	11,430	11,449
	Liverpool	E08000012	5,751	5,600	5,447	5,432	5,461
	Manchester	E08000003	7,538	7,252	7,000	6,870	6,936
	Oldham	E08000004	3,267	3,166	3,139	3,110	3,126
	Rochdale	E08000005	3,121	3,027	2,988	2,957	2,979
	Salford	E08000006	3,238	3,208	3,184	3,175	3,167
	Sefton	E08000014	2,837	2,757	2,687	2,692	2,694
	St Helens	E08000013	2,111	2,063	2,033	2,046	2,036
	Stockport	E08000007	3,401	3,323	3,188	3,200	3,163
	Tameside	E08000008	2,661	2,602	2,499	2,517	2,528
	Trafford ⁽³⁾	E08000009	2,734	2,699	2,646	2,636	2,636
	Warrington	E06000007	2,549	2,505	2,415	2,438	2,424
	Wigan	E08000010	3,888	3,795	3,707	3,705	3,715
	Wirral	E08000015	3,929	3,843	3,737	3,725	3,674
Yorkshire & the Humber		E12000003	67,256	65,460	63,665	63,911	63,900
	Barnsley	E08000016	3,189	3,144	3,068	3,109	3,083
	Bradford	E08000032	8,278	8,010	7,827	7,847	7,834
	Calderdale	E08000033	2,617	2,558	2,449	2,481	2,477
	Doncaster	E08000017	3,847	3,723	3,580	3,624	3,620
	East Riding of Yorkshire	E06000011	3,074	3,018	2,960	2,976	2,974
	Kingston upon Hull	E06000010	3,973	3,894	3,773	3,764	3,765
	Kirklees	E08000034	5,642	5,550	5,528	5,471	5,440
	Leeds	E08000035	10,264	10,053	9,782	9,827	9,803
	North East Lincolnshire	E06000012	2,104	2,069	2,024	2,029	2,034
	North Lincolnshire	E06000013	1,940	1,900	1,837	1,852	1,841
	North Yorkshire	E10000023	6,083	5,826	5,748	5,624	5,880

NHS Immunisation Statistics, England 2013-14

Table 11b: Number of children immunised by their second birthday, by Local Authority*, 2013-14

							numbers
Region	Local Authority (LA)	ONS Code	Number of children aged 2	Number immunised by their 2nd birthday			
				Diphtheria Tetanus Polio Pertussis Hib (DTaP/IPV/Hib)	MMR	Hib/MenC	Pneumococcal Conjugate Vaccine (PCV)
				primary	1st dose	booster	booster
England			697,246	670,338	646,039	645,046	644,536
	Rotherham	E08000018	3,112	3,029	2,894	2,942	2,905
	Sheffield	E08000019	6,853	6,594	6,223	6,419	6,213
	Wakefield	E08000036	4,248	4,146	4,052	4,068	4,066
	York	E06000014	2,060	1,973	1,946	1,904	1,991
East Midlands		E12000004	55,949	54,681	53,087	53,307	53,279
	Derby ⁽⁴⁾	E06000015	4,175	4,077	3,932	3,936	3,949
	Derbyshire	E10000007	7,995	7,878	7,635	7,701	7,656
	Leicester	E06000016	5,254	5,151	5,034	5,035	5,025
	Leicestershire ⁽⁵⁾	E10000018	7,635	7,550	7,381	7,421	7,397
	Lincolnshire	E10000019	8,218	7,920	7,694	7,734	7,767
	Northamptonshire	E10000021	9,102	8,915	8,747	8,760	8,784
	Nottingham	E06000018	4,415	4,249	4,048	4,092	4,046
	Nottinghamshire	E10000024	9,127	8,914	8,602	8,629	8,590
West Midlands		E12000005	73,264	70,767	68,552	67,907	68,639
	Birmingham	E08000025	17,406	16,213	15,365	14,996	15,472
	County of Herefordshire	E06000019	1,901	1,841	1,756	1,723	1,760
	Coventry	E08000026	4,678	4,592	4,482	4,362	4,448
	Dudley	E08000027	3,764	3,714	3,640	3,612	3,663
	Sandwell	E08000028	4,829	4,609	4,409	4,471	4,418
	Shropshire	E06000051	2,920	2,875	2,856	2,851	2,857
	Solihull	E08000029	2,812	2,729	2,653	2,700	2,676
	Staffordshire	E10000028	9,275	9,096	8,810	8,788	8,885
	Stoke-on-Trent	E06000021	3,746	3,662	3,603	3,621	3,613
	Telford and Wrekin	E06000020	2,348	2,304	2,292	2,262	2,278
	Walsall	E08000030	3,490	3,438	3,387	3,367	3,393
	Warwickshire	E10000031	6,036	5,948	5,847	5,705	5,822
	Wolverhampton	E08000031	3,713	3,559	3,417	3,415	3,365
	Worcestershire	E10000034	6,346	6,187	6,035	6,034	5,989
East of England		E12000006	75,838	73,559	71,065	72,016	71,375
	Bedford	E06000055	2,252	2,206	2,157	2,148	2,130
	Cambridgeshire ⁽⁴⁾	E10000003	8,009	7,564	7,198	7,324	7,226
	Central Bedfordshire	E06000056	3,567	3,494	3,416	3,402	3,373
	Essex	E10000012	17,024	16,560	15,977	16,233	16,046
	Hertfordshire	E10000015	15,697	15,288	14,989	15,136	15,049
	Luton	E06000032	3,528	3,410	3,227	3,291	3,247
	Norfolk	E10000020	9,557	9,294	8,952	9,056	8,984
	Peterborough ⁽⁴⁾	E06000031	3,065	2,955	2,825	2,826	2,816
	Southend-on-Sea	E06000033	2,202	2,126	2,106	2,061	2,047
	Suffolk	E10000029	8,386	8,156	7,928	8,006	7,957
	Thurrock	E06000034	2,505	2,436	2,340	2,400	2,361
London		E12000007	131,909	122,777	115,373	114,505	113,855
	Barking and Dagenham	E09000002	4,006	3,705	3,529	3,490	3,453
	Barnet	E09000003	6,029	5,633	4,863	4,833	4,839
	Bexley	E09000004	3,275	3,151	2,970	2,995	2,988
	Brent ⁽⁴⁾	E09000005	5,094	4,846	4,554	4,601	4,526
	Bromley	E09000006	4,501	4,324	4,103	4,076	4,053

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Table 11b: Number of children immunised by their second birthday, by Local Authority*, 2013-14

			numbers				
Region	Local Authority (LA)	ONS Code	Number of children aged 2	Number immunised by their 2nd birthday			
				Diphtheria Tetanus Polio Pertussis Hib (DTaP/IPV/Hib)	MMR	Hib/MenC	Pneumococcal Conjugate Vaccine (PCV)
				<i>primary</i>	<i>1st dose</i>	<i>booster</i>	<i>booster</i>
England			697,246	670,338	646,039	645,046	644,536
	Camden	E09000007	2,603	2,474	2,272	2,291	2,254
	City of Westminster	E09000033	2,787	2,273	2,217	2,160	2,144
	Croydon	E09000008	5,816	5,498	5,172	5,099	5,169
	Ealing	E09000009	6,214	6,022	5,548	5,537	5,483
	Enfield ⁽⁶⁾	E09000010	4,790	4,268	3,752	3,780	3,731
	Greenwich	E09000011	4,738	4,429	4,081	4,081	4,125
	Hackney ⁽⁷⁾	E09000012	4,266	3,910	3,772	3,749	3,799
	Hammersmith and Fulham	E09000013	2,534	2,190	2,095	2,040	1,995
	Haringey	E09000014	3,961	3,706	3,558	3,578	3,459
	Harrow ⁽⁴⁾	E09000015	3,325	3,190	3,062	3,063	3,016
	Havering	E09000016	3,311	3,082	2,937	2,929	2,939
	Hillingdon	E09000017	4,292	4,105	3,896	3,871	3,844
	Hounslow	E09000018	4,633	4,324	4,066	4,030	3,978
	Islington	E09000019	2,791	2,569	2,456	2,468	2,443
	Kensington and Chelsea	E09000020	2,321	1,973	1,867	1,779	1,774
	Kingston upon Thames	E09000021	2,724	2,621	2,437	2,385	2,432
	Lambeth	E09000022	4,441	4,232	4,015	3,942	3,958
	Lewisham	E09000023	4,702	4,315	4,188	3,991	4,060
	Merton	E09000024	3,253	2,796	2,670	2,636	2,693
	Newham	E09000025	6,191	5,688	5,270	5,252	5,201
	Redbridge	E09000026	4,740	4,462	4,172	4,111	4,133
	Richmond upon Thames	E09000027	3,097	2,938	2,757	2,739	2,726
	Southwark	E09000028	4,357	4,112	3,875	3,816	3,827
	Sutton	E09000029	2,768	2,410	2,433	2,399	2,422
	Tower Hamlets ⁽⁴⁾	E09000030	4,204	4,092	3,943	3,988	3,964
	Waltham Forest	E09000031	4,927	4,531	4,180	4,178	4,102
	Wandsworth	E09000032	5,217	4,908	4,624	4,527	4,455
South East		E12000008	112,559	107,204	103,317	103,191	102,864
	Bracknell Forest	E06000036	1,640	1,559	1,492	1,489	1,489
	Brighton and Hove	E06000043	3,147	2,986	2,938	2,900	2,837
	Buckinghamshire	E10000002	6,719	6,526	6,432	6,430	6,447
	East Sussex	E10000011	5,491	5,276	5,037	5,115	5,127
	Hampshire	E10000014	16,152	15,661	15,275	15,203	15,269
	Isle of Wight	E06000046	1,440	1,296	1,295	1,304	1,294
	Kent ⁽⁸⁾	E10000016	18,519	17,939	16,967	17,132	17,134
	Medway ⁽⁸⁾	E06000035	3,704	3,576	3,386	3,409	3,372
	Milton Keynes	E06000042	4,164	3,995	3,884	3,848	3,871
	Oxfordshire	E10000025	8,576	8,380	8,154	8,157	8,164
	Portsmouth	E06000044	2,710	2,610	2,570	2,547	2,558
	Reading	E06000038	2,507	2,401	2,347	2,328	2,282
	Slough	E06000039	2,547	2,421	2,316	2,311	2,312
	Southampton	E06000045	3,605	3,485	3,431	3,375	3,409
	Surrey	E10000030	15,845	13,917	13,027	12,883	12,889
	West Berkshire	E06000037	2,092	2,003	1,958	1,943	1,904
	West Sussex	E10000032	9,638	9,295	9,054	9,084	8,811
	Windsor and Maidenhead	E06000040	1,915	1,820	1,742	1,738	1,739
	Wokingham	E06000041	2,149	2,058	2,012	1,996	1,956

NHS Immunisation Statistics, England 2013-14

Table 11b: Number of children immunised by their second birthday, by Local Authority*, 2013-14

							numbers	
				Number immunised by their 2nd birthday				
Region	Local Authority (LA)	ONS Code	Number of children aged 2	Diphtheria Tetanus Polio Pertussis Hib (DTaP/IPV/Hib)	MMR	Hib/MenC	Pneumococcal Conjugate Vaccine (PCV)	
				<i>primary</i>	<i>1st dose</i>	<i>booster</i>	<i>booster</i>	
England			697,246	670,338	646,039	645,046	644,536	
South West			E12000009	62,800	61,194	59,162	58,743	59,299
	Bath and North East Somerset	E06000022	1,978	1,916	1,862	1,837	1,869	
	Bournemouth	E06000028	2,450	2,382	2,256	2,245	2,268	
	Bristol	E06000023	6,587	6,410	6,082	6,064	6,121	
	Cornwall ⁽⁹⁾	E06000052	5,968	5,770	5,663	5,763	5,566	
	Devon	E10000008	7,733	7,507	7,273	7,180	7,293	
	Dorset	E10000009	3,681	3,623	3,518	3,515	3,551	
	Gloucestershire	E10000013	7,011	6,810	6,586	6,508	6,576	
	North Somerset	E06000024	2,459	2,411	2,344	2,337	2,359	
	Plymouth	E06000026	3,362	3,291	3,166	3,115	3,166	
	Poole	E06000029	1,959	1,905	1,804	1,795	1,815	
	Somerset	E10000027	5,955	5,778	5,629	5,623	5,631	
	South Gloucestershire	E06000025	3,249	3,212	3,130	3,110	3,132	
	Swindon	E06000030	3,200	3,143	3,061	3,083	3,072	
	Torbay	E06000027	1,518	1,496	1,455	1,430	1,456	
	Wiltshire	E06000054	5,802	5,650	5,527	5,475	5,542	

* Figures reported by LA are for the LA responsible population and in some cases have been estimated - see the 'Notes on LA data' tab for more information.

⁽¹⁾ Figures for Gateshead are for the resident Gateshead population and not the responsible population.

⁽²⁾ Data quality issues were reported for East Lancashire PCT (which forms part of Lancashire LA) leading to lower levels of reported coverage in 2013-14.

⁽³⁾ Suspected data quality issues have been reported for Trafford.

⁽⁴⁾ Figures for Brent, Harrow, Tower Hamlets, Derby, Peterborough and Cambridgeshire LAs are for the GP registered population only.

⁽⁵⁾ Leicestershire also contains data for Rutland.

⁽⁶⁾ Data quality issues were reported for the third and fourth quarters of 2013-14 for Enfield leading to lower levels of reported coverage.

⁽⁷⁾ Hackney also contains data for City of London.

⁽⁸⁾ Data quality issues associated with a new CHIS have been reported for Kent and Medway.

⁽⁹⁾ Cornwall also contains data for Isles of Scilly.

Source: COVER

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Table 11c: Percentage of children immunised by their second birthday, by Area Team, 2013-14

		<i>percentages and thousands</i>				
		Percentage immunised by their 2nd birthday				
Region & Area Team Codes	ONS Code	Number of children aged 2 (thousands) (=100%)	Diphtheria Tetanus Polio Pertussis Hib (DTaP/IPV/Hib)	MMR	Hib/MenC	Pneumococcal Conjugate Vaccine (PCV)
			<i>primary %</i>	<i>1st dose %</i>	<i>booster %</i>	<i>booster %</i>
England		697.2	96.1	92.7	92.5	92.4
Y54 North of England	E40000001	186.5	97.4	94.9	94.8	94.7
Q44 Cheshire, Warrington and Wirral	E39000001	14.4	97.8	95.2	95.9	94.7
Q45 Durham, Darlington and Tees	E39000002	14.6	97.7	95.1	95.9	95.7
Q46 Greater Manchester	E39000003	36.8	97.4	94.9	94.1	94.5
Q47 Lancashire	E39000004	16.5	96.4	93.5	91.5	91.7
Q48 Merseyside	E39000005	14.4	97.4	95.2	95.5	95.6
Q49 Cumbria, Northumberland, Tyne and Wear	E39000006	21.4	98.1	96.0	96.2	95.6
Q50 North Yorkshire and Humber	E39000007	18.7	97.2	95.1	94.4	96.1
Q51 South Yorkshire and Bassetlaw	E39000008	18.3	97.0	92.7	94.6	93.0
Q52 West Yorkshire	E39000009	31.6	97.6	95.4	95.6	95.4
Y55 Midlands and East of England	E40000002	207.6	97.0	94.2	94.2	94.3
Q53 Arden, Herefordshire and Worcestershire	E39000010	19.0	97.9	95.6	94.0	95.0
Q54 Birmingham and The Black Country	E39000011	36.0	95.1	91.3	90.4	91.6
Q55 Derbyshire and Nottinghamshire	E39000012	24.1	97.7	94.3	94.8	94.6
Q56 East Anglia	E39000013	29.5	96.4	92.8	93.8	93.0
Q57 Essex	E39000014	21.8	97.3	93.9	95.5	94.3
Q58 Hertfordshire and The South Midlands	E39000015	37.9	97.4	94.9	95.5	95.3
Q59 Leicestershire and Lincolnshire	E39000016	21.1	97.7	95.3	95.7	95.6
Q60 Shropshire and Staffordshire	E39000017	18.3	98.1	96.0	95.8	96.4
Y56 London	E40000003	131.9	93.1	87.5	86.8	86.3
Q71 London	E39000018	131.9	93.1	87.5	86.8	86.3
Y57 South of England	E40000004	171.1	96.0	92.6	92.3	92.5
Q64 Bath, Gloucestershire, Swindon and Wiltshire	E39000019	18.0	97.4	94.8	93.8	94.9
Q65 Bristol, North Somerset, Somerset and South Gloucestershire	E39000020	18.3	97.6	94.2	93.9	94.5
Q66 Devon, Cornwall and Isles Of Scilly	E39000021	18.6	97.2	94.0	93.0	94.0
Q67 Kent and Medway	E39000022	22.2	96.8	91.6	92.4	92.3
Q68 Surrey and Sussex	E39000023	33.4	92.3	88.2	88.0	87.0
Q69 Thames Valley	E39000024	28.1	96.5	94.0	93.8	93.4
Q70 Wessex	E39000025	32.6	96.6	94.0	93.5	94.0

Source: COVER

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Table 12: Percentage of children immunised by their fifth birthday, by region, 2013-14

<i>percentages and thousands</i>							
Percentage immunised by their 5th birthday							
Region	ONS Code	Number of children aged 5 (thousands) (=100%)	Diphtheria Tetanus Polio Pertussis Hib (DTaP/IPV/Hib)	Diphtheria Tetanus, Polio, Pertussis	MMR	MMR	Hib/MenC
			<i>primary</i> %	<i>booster</i> %	<i>1st dose</i> %	<i>1st and 2nd dose</i> %	<i>booster</i> %
England		681.9	95.6	88.8	94.1	88.3	91.9
North East	E12000001	30.0	97.9	93.6	96.7	92.9	95.2
North West	E12000002	84.9	96.7	91.5	96.0	91.5	92.8
Yorkshire and the Humber	E12000003	66.3	97.2	92.2	96.0	91.7	95.1
East Midlands	E12000004	55.0	97.2	92.3	95.6	91.1	94.1
West Midlands	E12000005	70.3	96.8	90.8	95.5	90.1	93.0
East of England	E12000006	76.2	96.0	91.3	94.0	89.9	93.8
London	E12000007	126.1	92.5	79.3	90.6	80.7	87.2
South East	E12000008	112.1	94.2	87.4	92.6	86.6	90.2
South West	E12000009	61.0	96.9	91.7	95.3	90.4	93.2

Source: COVER

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NHS Immunisation Statistics, England 2013-14

Table 12a: Percentage of children immunised by their fifth birthday, by Local Authority*, 2013-14

percentages and thousands								
Percentage immunised by their 5th birthday								
Region	Local Authority (LA)	ONS Code	Number of children aged 5 (thousands) (=100%)	Diphtheria Tetanus Polio Pertussis Hib (DTaP/IPV/Hib)	Diphtheria Tetanus, Polio, Pertussis	MMR	MMR	Hib/MenC
				primary %	booster %	1st dose %	1st and 2nd dose %	booster %
England			681.9	95.6	88.8	94.1	88.3	91.9
North East		E12000001	30.0	97.9	93.6	96.7	92.9	95.2
	County Durham	E06000047	5.6	98.2	94.8	97.1	94.6	97.5
	Darlington	E06000005	1.3	98.1	92.0	95.7	91.3	96.8
	Gateshead ⁽¹⁾	E08000037	2.4	98.3	92.3	97.7	91.5	90.8
	Hartlepool	E06000001	1.2	96.6	90.3	96.1	90.3	91.8
	Middlesbrough	E06000002	1.9	95.0	90.9	95.4	90.3	91.4
	Newcastle upon Tyne	E08000021	3.1	96.4	94.2	96.0	92.4	93.8
	North Tyneside	E08000022	2.5	99.0	97.3	98.3	96.6	98.1
	Northumberland	E06000057	3.3	98.2	91.9	96.2	90.8	96.8
	Redcar and Cleveland	E06000003	1.5	98.4	93.6	97.8	93.4	96.6
	South Tyneside	E08000023	1.7	99.4	97.3	98.3	96.4	90.9
	Stockton-on-Tees	E06000004	2.5	97.4	91.5	94.6	90.6	94.2
	Sunderland	E08000024	3.1	98.7	94.0	97.3	93.8	97.8
North West		E12000002	84.9	96.7	91.5	96.0	91.5	92.8
	Blackburn with Darwen	E06000008	2.1	96.2	91.3	96.7	89.3	94.2
	Blackpool	E06000009	1.7	95.4	84.9	94.2	85.1	90.9
	Bolton	E08000001	4.1	96.3	92.1	96.2	91.8	89.4
	Bury	E08000002	2.5	96.5	92.6	95.6	92.4	93.0
	Cheshire East	E06000049	4.3	97.4	91.2	95.5	90.1	95.4
	Cheshire West and Chester	E06000050	3.7	94.9	91.7	94.5	90.7	95.4
	Cumbria	E10000006	5.2	97.7	94.3	96.7	93.7	92.8
	Halton	E06000006	1.7	98.1	91.2	97.4	93.1	96.7
	Knowsley	E08000011	1.9	91.0	90.9	97.8	94.1	97.5
	Lancashire ⁽²⁾	E10000017	12.2	97.0	88.2	96.0	90.0	94.2
	Liverpool	E08000012	5.3	97.0	91.4	96.8	90.9	90.8
	Manchester	E08000003	7.0	95.9	90.6	94.7	90.2	87.7
	Oldham	E08000004	3.2	95.4	92.5	94.9	93.0	90.7
	Rochdale	E08000005	3.2	95.0	93.0	95.0	92.7	91.9
	Salford	E08000006	3.1	99.0	97.7	98.6	97.4	97.7
	Sefton	E08000014	2.8	97.4	91.8	96.3	90.3	91.7
	St Helens	E08000013	2.0	98.1	91.2	97.4	93.1	96.7
	Stockport	E08000007	3.3	97.5	93.0	97.2	92.7	91.3
	Tameside	E08000008	2.5	97.6	90.6	96.7	90.3	94.2
	Trafford ⁽³⁾	E08000009	2.6	..	93.2	92.4	92.4	92.7
	Warrington	E06000007	2.6	97.2	92.2	96.0	90.8	95.3
	Wigan	E08000010	3.8	97.3	91.6	95.4	91.0	95.5
	Wirral	E08000015	3.9	97.7	93.5	97.2	92.2	93.1
Yorkshire & the Humber		E12000003	66.3	97.2	92.2	96.0	91.7	95.1
	Barnsley	E08000016	2.9	98.7	96.0	97.3	95.1	97.5
	Bradford	E08000032	8.0	98.1	93.8	97.2	93.2	96.4
	Calderdale	E08000033	2.8	97.0	91.9	95.5	93.8	95.2
	Doncaster	E08000017	3.9	96.6	89.4	94.1	88.2	94.6
	East Riding of Yorkshire	E06000011	3.2	97.7	94.2	96.2	93.2	95.8
	Kingston upon Hull	E06000010	3.6	97.9	92.3	96.7	91.8	94.6
	Kirklees	E08000034	5.6	98.0	95.4	97.3	95.0	96.8
	Leeds	E08000035	10.0	97.1	90.9	95.2	90.3	95.0
	North East Lincolnshire	E06000012	2.0	98.2	95.4	97.8	95.0	95.2
	North Lincolnshire	E06000013	2.0	98.0	92.2	96.5	91.4	96.2
	North Yorkshire	E10000023	6.3	95.2	90.6	95.0	90.1	91.4
	Rotherham	E08000018	3.2	96.5	91.9	95.3	90.7	95.2
	Sheffield	E08000019	6.7	96.4	89.5	95.3	89.4	95.0
	Wakefield	E08000036	4.1	97.5	93.1	96.4	92.0	96.4
	York	E06000014	2.1	95.2	90.6	95.0	90.1	91.4
East Midlands		E12000004	55.0	97.2	92.3	95.6	91.1	94.1
	Derby ⁽⁴⁾	E06000015	3.9	97.6	89.9	96.0	88.9	95.0
	Derbyshire	E10000007	7.9	98.5	94.2	97.0	93.7	96.9
	Leicester	E06000016	5.1	97.1	93.9	95.6	92.5	92.2
	Leicestershire ⁽⁵⁾	E10000018	7.6	98.5	95.5	96.8	94.2	96.0
	Lincolnshire	E10000019	8.4	95.6	89.1	94.7	87.3	92.9
	Northamptonshire	E10000021	9.1	96.8	94.7	95.6	93.1	94.8
	Nottingham	E06000018	4.2	94.6	86.8	93.1	85.7	92.0
	Nottinghamshire	E10000024	8.8	97.8	90.8	95.3	90.2	92.1

NHS Immunisation Statistics, England 2013-14

Table 12a: Percentage of children immunised by their fifth birthday, by Local Authority*, 2013-14

percentages and thousands								
Region	Local Authority (LA)	ONS Code	Number of children aged 5 (thousands) (=100%)	Percentage immunised by their 5th birthday				
				Diphtheria Tetanus Polio Pertussis Hib (DTaP/IPV/Hib)	Diphtheria Tetanus, Polio, Pertussis	MMR	MMR	Hib/MenC
				primary %	booster %	1st dose %	1st and 2nd dose %	booster %
England			681.9	95.6	88.8	94.1	88.3	91.9
West Midlands		E12000005	70.3	96.8	90.8	95.5	90.1	93.0
	Birmingham	E08000025	16.1	95.3	85.4	94.1	84.3	91.3
	County of Herefordshire	E06000019	2.0	96.0	86.7	93.0	84.8	89.9
	Coventry	E08000026	4.2	97.5	94.4	97.1	93.4	91.7
	Dudley	E08000027	3.5	98.4	93.8	97.4	92.8	95.0
	Sandwell	E08000028	4.5	95.9	83.8	93.1	88.0	93.5
	Shropshire	E06000051	3.0	97.7	95.4	97.1	94.6	96.2
	Solihull	E08000029	2.7	96.7	91.6	93.2	90.2	94.5
	Staffordshire	E10000028	9.5	98.1	92.8	95.8	90.8	95.6
	Stoke-on-Trent	E06000021	3.7	97.4	93.9	96.8	94.0	97.6
	Telford and Wrekin	E06000020	2.2	97.3	95.5	98.0	95.9	95.7
	Walsall	E08000030	3.3	99.0	97.5	97.9	96.1	97.2
	Warwickshire	E10000031	5.8	98.6	97.4	97.7	95.9	94.2
	Wolverhampton	E08000031	3.5	94.1	84.7	92.4	84.2	84.4
	Worcestershire	E10000034	6.4	96.3	92.1	95.6	91.6	89.0
East of England		E12000006	76.2	96.0	91.3	94.0	89.9	93.8
	Bedford	E06000055	2.2	97.9	94.2	95.4	93.1	95.8
	Cambridgeshire ⁽⁴⁾	E10000003	8.0	94.1	87.3	92.0	85.9	91.4
	Central Bedfordshire	E06000056	3.5	97.9	94.2	95.4	93.1	95.9
	Essex	E10000012	17.1	96.7	91.9	94.3	90.5	95.1
	Hertfordshire	E10000015	15.7	95.3	94.1	94.1	92.7	94.5
	Luton	E06000032	3.5	96.7	85.6	94.8	84.6	93.3
	Norfolk	E10000020	9.6	96.2	90.2	93.6	88.4	93.1
	Peterborough ⁽⁴⁾	E06000031	3.2	94.1	84.9	91.4	83.6	85.9
	Southend-on-Sea	E06000033	2.3	95.3	90.5	93.7	89.0	93.5
	Suffolk	E10000029	8.5	96.0	92.2	94.4	90.8	93.4
	Thurrock	E06000034	2.6	96.9	92.4	95.3	91.0	95.9
London		E12000007	126.1	92.5	79.3	90.6	80.7	87.2
	Barking and Dagenham	E09000002	4.0	91.4	83.4	90.8	82.3	88.2
	Barnet	E09000003	6.0	92.0	75.5	90.7	75.1	86.0
	Bexley	E09000004	3.1	95.9	86.8	93.8	88.8	93.5
	Brent ⁽⁴⁾	E09000005	4.9	95.4	83.4	92.9	84.4	90.3
	Bromley	E09000006	4.4	96.4	81.6	94.3	88.4	92.1
	Camden	E09000007	2.4	92.9	81.7	89.1	89.1	88.0
	City of Westminster ⁽⁶⁾	E09000033	2.8	75.0	65.2	74.8	64.2	72.7
	Croydon	E09000008	5.6	92.8	78.1	90.9	76.9	87.0
	Ealing	E09000009	6.1	95.9	84.2	94.2	83.7	90.2
	Enfield ⁽⁷⁾	E09000010	5.0	90.3	77.8	87.0	71.9	86.7
	Greenwich	E09000011	4.5	93.4	78.6	91.6	88.2	88.0
	Hackney ⁽⁸⁾	E09000012	3.9	93.9	76.4	92.2	83.2	88.3
	Hammersmith and Fulham ⁽⁶⁾⁽⁹⁾	E09000013	2.5	85.8	..	84.6	73.4	78.2
	Haringey	E09000014	3.8	91.4	85.8	91.5	86.0	87.9
	Harrow ⁽⁴⁾	E09000015	3.2	96.8	87.3	96.2	88.6	92.7
	Havering	E09000016	3.3	92.0	85.5	90.4	84.7	89.4
	Hillingdon	E09000017	4.2	93.9	88.8	92.8	88.4	89.4
	Hounslow	E09000018	4.3	92.7	74.4	91.4	76.4	86.5
	Islington	E09000019	2.5	94.5	84.1	92.1	83.7	90.2
	Kensington and Chelsea ⁽⁶⁾	E09000020	2.2	86.5	63.9	86.9	63.8	79.5
	Kingston upon Thames	E09000021	2.8	96.1	84.1	92.8	82.9	87.9
	Lambeth	E09000022	4.2	96.0	85.0	93.6	87.8	90.1
	Lewisham	E09000023	4.4	92.8	74.3	89.9	71.1	86.4
	Merton	E09000024	3.2	88.5	64.8	84.3	72.3	79.6
	Newham	E09000025	5.6	90.6	72.8	90.2	74.5	85.7
	Redbridge	E09000026	4.4	91.4	79.9	90.1	78.4	85.7
	Richmond upon Thames	E09000027	3.1	94.5	77.4	91.6	77.3	86.9
	Southwark	E09000028	4.0	94.6	78.7	91.9	85.3	89.5
	Sutton	E09000029	2.7	89.5	74.7	86.2	80.0	81.1
	Tower Hamlets ⁽⁴⁾	E09000030	3.7	97.2	93.6	96.0	93.0	92.9
	Waltham Forest	E09000031	4.5	90.5	78.5	89.8	77.6	87.2
	Wandsworth	E09000032	5.0	91.8	69.8	86.5	79.6	81.8

NHS Immunisation Statistics, England 2013-14

Table 12a: Percentage of children immunised by their fifth birthday, by Local Authority*, 2013-14

percentages and thousands								
Percentage immunised by their 5th birthday								
Region	Local Authority (LA)	ONS Code	Number of children aged 5 (thousands) (=100%)	Diphtheria Tetanus Polio Pertussis Hib (DTaP/IPV/Hib)	Diphtheria Tetanus, Polio, Pertussis	MMR	MMR	Hib/MenC
				primary %	booster %	1st dose %	1st and 2nd dose %	booster %
England			681.9	95.6	88.8	94.1	88.3	91.9
South East		E12000008	112.1	94.2	87.4	92.6	86.6	90.2
	Bracknell Forest	E06000036	1.7	93.8	80.2	92.0	82.2	90.7
	Brighton and Hove	E06000043	3.1	93.6	88.7	93.5	87.9	86.6
	Buckinghamshire	E10000002	6.8	96.3	94.8	95.4	92.7	95.6
	East Sussex	E10000011	5.6	95.2	89.8	93.3	89.5	93.4
	Hampshire	E10000014	16.0	95.8	91.5	94.2	90.7	91.2
	Isle of Wight	E06000046	1.4	93.0	80.7	91.6	83.4	88.8
	Kent ⁽¹⁰⁾	E10000016	18.6	94.9	88.5	93.0	87.1	93.0
	Medway ⁽¹⁰⁾	E06000035	2.9	95.3	89.0	92.6	86.6	93.0
	Milton Keynes	E06000042	4.2	96.2	90.8	94.7	89.9	92.4
	Oxfordshire	E10000025	8.3	97.6	93.5	97.7	93.1	96.2
	Portsmouth	E06000044	2.7	95.6	90.0	94.2	89.2	91.9
	Reading	E06000038	2.3	95.4	87.3	94.2	89.7	92.6
	Slough	E06000039	2.6	93.8	80.2	92.0	82.2	90.7
	Southampton	E06000045	3.3	95.8	91.5	95.2	90.6	90.9
	Surrey	E10000030	16.2	88.2	75.2	84.5	73.5	82.1
	West Berkshire	E06000037	2.2	95.4	87.3	94.2	89.7	92.6
	West Sussex	E10000032	10.0	92.7	88.1	93.0	86.7	83.3
	Windsor and Maidenhead	E06000040	2.0	93.8	80.2	92.0	82.2	90.7
	Wokingham	E06000041	2.3	95.4	87.3	94.2	89.7	92.6
South West		E12000009	61.0	96.9	91.7	95.3	90.4	93.2
	Bath and North East Somerset	E06000022	2.0	97.9	93.0	95.9	91.6	93.5
	Bournemouth	E06000028	2.1	96.4	91.0	94.0	88.8	93.0
	Bristol	E06000023	5.9	96.5	88.3	94.3	87.0	92.5
	Cornwall ⁽¹¹⁾	E06000052	5.7	97.0	92.9	95.7	91.5	93.2
	Devon	E10000008	7.8	96.8	91.5	95.0	89.9	92.7
	Dorset	E10000009	3.9	96.7	93.3	95.2	92.2	93.9
	Gloucestershire	E10000013	6.8	95.0	90.9	94.3	89.3	91.4
	North Somerset	E06000024	2.4	98.7	93.8	97.1	92.4	95.6
	Plymouth	E06000026	3.1	97.0	89.0	95.9	88.1	92.4
	Poole	E06000029	1.9	96.4	91.0	94.0	88.8	93.0
	Somerset	E10000027	6.0	97.4	92.6	96.0	91.3	91.5
	South Gloucestershire	E06000025	3.1	98.7	94.0	96.8	92.5	96.4
	Swindon	E06000030	3.0	98.0	93.4	96.7	92.8	96.3
	Torbay	E06000027	1.5	97.3	90.7	95.1	88.9	93.5
	Wiltshire	E06000054	5.8	96.7	91.9	95.2	91.7	93.8

* Figures reported by LA are for the LA responsible population and in some cases have been estimated - see the 'Notes on LA data' tab for more information.

.. Data not available

⁽¹⁾ Figures for Gateshead are for the resident Gateshead population and not the responsible population.

⁽²⁾ Data quality issues were reported for East Lancashire PCT (which forms part of Lancashire LA) leading to lower levels of reported coverage in 2013-14.

⁽³⁾ Suspected data quality issues have been reported for Trafford affecting coverage figures for all vaccines at 5 years. Coverage figures for DTaP/IPV/Hib have not been published for this reason.

⁽⁴⁾ Figures for Brent, Harrow, Tower Hamlets, Derby, Peterborough and Cambridgeshire LAs are for the GP registered population only.

⁽⁵⁾ Leicestershire also contains data for Rutland.

⁽⁶⁾ Data quality issues have been reported for City of Westminster, Hammersmith and Fulham and Kensington and Chelsea, leading to lower levels of reported coverage in 2013-14.

⁽⁷⁾ Data quality issues were reported for the third and fourth quarters of 2013-14 for Enfield leading to lower levels of reported coverage.

⁽⁸⁾ Hackney also contains data for City of London.

⁽⁹⁾ Coverage figures for Diphtheria, Tetanus, Polio and Pertussis booster in Hammersmith and Fulham have not been published due to data quality issues.

⁽¹⁰⁾ Data quality issues associated with a new CHIS have been reported for Kent and Medway LAs.

⁽¹¹⁾ Cornwall also contains data for Isles of Scilly.

Source: COVER

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NHS Immunisation Statistics, England 2013-14

Table 12b: Number of children immunised by their fifth birthday, by Local Authority*, 2013-14

				numbers				
Region	Local Authority (LA)	ONS Code	Number of children aged 5	Number immunised by their 5th birthday				
				Diphtheria Tetanus Polio Pertussis Hib (DTaP/IPV/Hib)	Diphtheria Tetanus, Polio, Pertussis	MMR	MMR	Hib/MenC
				<i>primary</i>	<i>booster</i>	<i>1st dose</i>	<i>1st and 2nd dose</i>	<i>booster</i>
England			681,925	649,401	602,990	641,741	602,277	626,915
North East		E12000001	29,984	29,350	28,069	29,009	27,860	28,559
	County Durham	E06000047	5,644	5,545	5,352	5,479	5,339	5,503
	Darlington	E06000005	1,270	1,246	1,169	1,215	1,160	1,229
	Gateshead ⁽¹⁾	E08000037	2,378	2,338	2,194	2,323	2,175	2,159
	Hartlepool	E06000001	1,192	1,151	1,076	1,145	1,076	1,094
	Middlesbrough	E06000002	1,943	1,846	1,767	1,854	1,754	1,776
	Newcastle upon Tyne	E08000021	3,088	2,976	2,908	2,966	2,854	2,898
	North Tyneside	E08000022	2,478	2,453	2,412	2,436	2,394	2,430
	Northumberland	E06000057	3,300	3,240	3,034	3,176	2,998	3,194
	Redcar and Cleveland	E06000003	1,471	1,447	1,377	1,439	1,374	1,421
	South Tyneside	E08000023	1,681	1,671	1,635	1,652	1,620	1,528
	Stockton-on-Tees	E06000004	2,466	2,403	2,257	2,334	2,234	2,323
	Sunderland	E08000024	3,073	3,034	2,888	2,990	2,882	3,004
North West		E12000002	84,904	79,570	77,669	81,488	77,651	78,827
	Blackburn with Darwen	E06000008	2,120	2,040	1,936	2,050	1,894	1,997
	Blackpool	E06000009	1,701	1,622	1,444	1,603	1,447	1,547
	Bolton	E08000001	4,120	3,968	3,796	3,962	3,782	3,683
	Bury	E08000002	2,526	2,437	2,339	2,414	2,333	2,348
	Cheshire East	E06000049	4,250	4,141	3,875	4,059	3,831	4,055
	Cheshire West and Chester	E06000050	3,680	3,492	3,375	3,476	3,338	3,509
	Cumbria	E10000006	5,150	5,031	4,859	4,981	4,826	4,778
	Halton	E06000006	1,651	1,619	1,506	1,608	1,537	1,597
	Knowsley	E08000011	1,931	1,758	1,755	1,889	1,817	1,883
	Lancashire ⁽²⁾	E10000017	12,239	11,867	10,789	11,750	11,018	11,533
	Liverpool	E08000012	5,300	5,139	4,842	5,132	4,819	4,813
	Manchester	E08000003	7,012	6,722	6,350	6,640	6,324	6,149
	Oldham	E08000004	3,242	3,094	2,998	3,076	3,014	2,940
	Rochdale	E08000005	3,168	3,011	2,947	3,009	2,936	2,912
	Salford	E08000006	3,132	3,101	3,059	3,089	3,051	3,059
	Sefton	E08000014	2,810	2,737	2,580	2,707	2,538	2,576
	St Helens	E08000013	2,016	1,978	1,840	1,964	1,877	1,950
	Stockport	E08000007	3,299	3,215	3,068	3,206	3,058	3,012
	Tameside	E08000008	2,548	2,488	2,309	2,463	2,300	2,399
	Trafford ⁽³⁾	E08000009	2,646	..	2,467	2,445	2,445	2,453
	Warrington	E06000007	2,638	2,564	2,433	2,533	2,395	2,515
	Wigan	E08000010	3,838	3,735	3,517	3,662	3,491	3,667
	Wirral	E08000015	3,872	3,783	3,620	3,764	3,569	3,603
Yorkshire & the Humber		E12000003	66,307	64,418	61,150	63,624	60,787	63,069
	Barnsley	E08000016	2,885	2,848	2,770	2,808	2,743	2,812
	Bradford	E08000032	7,971	7,816	7,476	7,745	7,427	7,688
	Calderdale	E08000033	2,761	2,678	2,536	2,636	2,589	2,629
	Doncaster	E08000017	3,867	3,737	3,458	3,639	3,412	3,660
	East Riding of Yorkshire	E06000011	3,198	3,125	3,014	3,075	2,980	3,064
	Kingston upon Hull	E06000010	3,641	3,563	3,362	3,520	3,341	3,444
	Kirklees	E08000034	5,623	5,511	5,362	5,473	5,341	5,443
	Leeds	E08000035	9,955	9,667	9,054	9,478	8,988	9,453
	North East Lincolnshire	E06000012	1,998	1,962	1,906	1,953	1,898	1,901
	North Lincolnshire	E06000013	1,966	1,928	1,813	1,897	1,797	1,891
	North Yorkshire	E10000023	6,303	6,001	5,709	5,986	5,681	5,764
	Rotherham	E08000018	3,212	3,100	2,951	3,061	2,912	3,059
	Sheffield	E08000019	6,677	6,438	5,974	6,360	5,967	6,343
	Wakefield	E08000036	4,149	4,044	3,862	3,998	3,817	3,998
	York	E06000014	2,126	2,024	1,925	2,019	1,915	1,943
East Midlands		E12000004	55,011	53,450	50,755	52,601	50,101	51,753
	Derby ⁽⁴⁾	E06000015	3,868	3,776	3,476	3,715	3,440	3,673
	Derbyshire	E10000007	7,893	7,773	7,436	7,653	7,396	7,648
	Leicester	E06000016	5,069	4,920	4,761	4,847	4,691	4,673
	Leicestershire ⁽⁵⁾	E10000018	7,642	7,526	7,299	7,400	7,202	7,333
	Lincolnshire	E10000019	8,398	8,030	7,485	7,952	7,332	7,799
	Northamptonshire	E10000021	9,083	8,789	8,599	8,679	8,452	8,607
	Nottingham	E06000018	4,189	3,964	3,635	3,900	3,589	3,852
	Nottinghamshire	E10000024	8,844	8,647	8,034	8,431	7,977	8,145

NHS Immunisation Statistics, England 2013-14

Table 12b: Number of children immunised by their fifth birthday, by Local Authority*, 2013-14

								numbers				
								Number immunised by their 5th birthday				
								Diphtheria Tetanus Polio Pertussis Hib (DTaP/IPV/Hib)	Diphtheria Tetanus, Polio, Pertussis	MMR	MMR	Hib/MenC
Region	Local Authority (LA)	ONS Code	Number of children aged 5	primary	booster	1st dose	1st and 2nd dose	booster				
England			681,925	649,401	602,990	641,741	602,277	626,915				
West Midlands		E12000005	70,251	68,013	63,817	67,064	63,298	65,304				
	Birmingham	E08000025	16,066	15,306	13,714	15,123	13,537	14,661				
	County of Herefordshire	E06000019	1,955	1,876	1,695	1,818	1,658	1,757				
	Coventry	E08000026	4,166	4,062	3,932	4,044	3,889	3,821				
	Dudley	E08000027	3,536	3,478	3,316	3,444	3,281	3,358				
	Sandwell	E08000028	4,526	4,339	3,793	4,212	3,985	4,234				
	Shropshire	E06000051	3,022	2,954	2,883	2,933	2,860	2,908				
	Solihull	E08000029	2,672	2,583	2,448	2,489	2,411	2,525				
	Staffordshire	E10000028	9,475	9,296	8,793	9,077	8,605	9,060				
	Stoke-on-Trent	E06000021	3,678	3,584	3,455	3,562	3,457	3,591				
	Telford and Wrekin	E06000020	2,247	2,187	2,147	2,201	2,155	2,150				
	Walsall	E08000030	3,276	3,242	3,195	3,206	3,147	3,185				
	Warwickshire	E10000031	5,780	5,699	5,630	5,648	5,545	5,447				
	Wolverhampton	E08000031	3,480	3,273	2,949	3,217	2,930	2,936				
	Worcestershire	E10000034	6,372	6,134	5,867	6,090	5,838	5,671				
East of England		E12000006	76,225	73,164	69,588	71,642	68,524	71,478				
	Bedford	E06000055	2,240	2,193	2,109	2,137	2,085	2,146				
	Cambridgeshire ⁽⁴⁾	E10000003	8,037	7,566	7,013	7,394	6,907	7,349				
	Central Bedfordshire	E06000056	3,547	3,474	3,340	3,384	3,303	3,400				
	Essex	E10000012	17,063	16,506	15,677	16,088	15,436	16,231				
	Hertfordshire	E10000015	15,702	14,959	14,770	14,780	14,556	14,840				
	Luton	E06000032	3,469	3,354	2,970	3,287	2,934	3,235				
	Norfolk	E10000020	9,574	9,208	8,633	8,964	8,464	8,917				
	Peterborough ⁽⁴⁾	E06000031	3,201	3,011	2,717	2,927	2,675	2,749				
	Southend-on-Sea	E06000033	2,271	2,165	2,056	2,129	2,022	2,123				
	Suffolk	E10000029	8,528	8,189	7,864	8,050	7,746	7,964				
	Thurrock	E06000034	2,578	2,497	2,383	2,458	2,347	2,472				
London		E12000007	126,116	116,713	98,006	114,315	101,779	109,927				
	Barking and Dagenham	E09000002	4,030	3,685	3,363	3,660	3,318	3,556				
	Barnet	E09000003	5,956	5,478	4,497	5,403	4,473	5,122				
	Bexley	E09000004	3,084	2,958	2,678	2,893	2,739	2,882				
	Brent ⁽⁴⁾	E09000005	4,857	4,632	4,050	4,513	4,098	4,388				
	Bromley	E09000006	4,369	4,210	3,564	4,120	3,863	4,025				
	Camden	E09000007	2,420	2,249	1,977	2,157	2,157	2,130				
	City of Westminster ⁽⁶⁾	E09000033	2,795	2,097	1,823	2,092	1,794	2,031				
	Croydon	E09000008	5,571	5,171	4,349	5,062	4,286	4,848				
	Ealing	E09000009	6,052	5,804	5,097	5,703	5,067	5,458				
	Enfield ⁽⁷⁾	E09000010	4,969	4,487	3,864	4,322	3,575	4,309				
	Greenwich	E09000011	4,451	4,156	3,500	4,077	3,926	3,916				
	Hackney ⁽⁸⁾	E09000012	3,875	3,637	2,962	3,571	3,223	3,422				
	Hammersmith and Fulham ⁽⁶⁾⁽⁹⁾	E09000013	2,513	2,157	..	2,126	1,844	1,966				
	Haringey	E09000014	3,763	3,440	3,227	3,444	3,236	3,306				
	Harrow ⁽⁴⁾	E09000015	3,242	3,139	2,829	3,118	2,874	3,004				
	Havering	E09000016	3,279	3,017	2,804	2,965	2,776	2,931				
	Hillingdon	E09000017	4,180	3,926	3,712	3,878	3,694	3,735				
	Hounslow	E09000018	4,266	3,953	3,175	3,900	3,261	3,689				
	Islington	E09000019	2,520	2,382	2,120	2,321	2,110	2,272				
	Kensington and Chelsea ⁽⁶⁾	E09000020	2,151	1,861	1,375	1,870	1,372	1,711				
	Kingston upon Thames	E09000021	2,766	2,657	2,325	2,566	2,293	2,432				
	Lambeth	E09000022	4,223	4,052	3,589	3,951	3,706	3,806				
	Lewisham	E09000023	4,383	4,066	3,256	3,940	3,118	3,788				
	Merton	E09000024	3,202	2,833	2,075	2,700	2,315	2,549				
	Newham	E09000025	5,645	5,113	4,111	5,092	4,204	4,837				
	Redbridge	E09000026	4,422	4,043	3,531	3,985	3,466	3,789				
	Richmond upon Thames	E09000027	3,135	2,962	2,427	2,873	2,422	2,723				
	Southwark	E09000028	4,026	3,808	3,169	3,699	3,433	3,603				
	Sutton	E09000029	2,693	2,409	2,011	2,322	2,155	2,183				
	Tower Hamlets ⁽⁴⁾	E09000030	3,731	3,626	3,492	3,582	3,470	3,465				
	Waltham Forest	E09000031	4,548	4,116	3,568	4,082	3,529	3,964				
	Wandsworth	E09000032	4,973	4,566	3,471	4,304	3,960	4,068				

NHS Immunisation Statistics, England 2013-14

Table 12b: Number of children immunised by their fifth birthday, by Local Authority*, 2013-14

				numbers				
				Number immunised by their 5th birthday				
Region	Local Authority (LA)	ONS Code	Number of children aged 5	Diphtheria Tetanus Polio Pertussis Hib (DTaP/IPV/Hib)	Diphtheria Tetanus, Polio, Pertussis	MMR	MMR	Hib/MenC
				primary	booster	1st dose	1st and 2nd dose	booster
England			681,925	649,401	602,990	641,741	602,277	626,915
South East		E12000008	112,136	105,617	98,001	103,859	97,143	101,176
	Bracknell Forest	E06000036	1,669	1,566	1,339	1,536	1,373	1,514
	Brighton and Hove	E06000043	3,092	2,895	2,742	2,891	2,718	2,678
	Buckinghamshire	E10000002	6,833	6,583	6,478	6,521	6,336	6,534
	East Sussex	E10000011	5,575	5,305	5,007	5,203	4,991	5,205
	Hampshire	E10000014	16,035	15,360	14,680	15,098	14,542	14,627
	Isle of Wight	E06000046	1,359	1,264	1,097	1,245	1,134	1,207
	Kent ⁽¹⁰⁾	E10000016	18,629	17,684	16,479	17,332	16,233	17,325
	Medway ⁽¹⁰⁾	E06000035	2,857	2,724	2,542	2,646	2,473	2,658
	Milton Keynes	E06000042	4,188	4,027	3,801	3,968	3,763	3,871
	Oxfordshire	E10000025	8,274	8,077	7,740	8,080	7,700	7,957
	Portsmouth	E06000044	2,704	2,586	2,433	2,547	2,411	2,486
	Reading	E06000038	2,317	2,210	2,023	2,183	2,078	2,145
	Slough	E06000039	2,599	2,438	2,085	2,391	2,137	2,356
	Southampton	E06000045	3,319	3,180	3,037	3,160	3,007	3,018
	Surrey	E10000030	16,250	14,338	12,224	13,736	11,951	13,340
	West Berkshire	E06000037	2,172	2,071	1,897	2,047	1,947	2,011
	West Sussex	E10000032	9,999	9,271	8,812	9,301	8,669	8,332
	Windsor and Maidenhead	E06000040	1,962	1,841	1,574	1,805	1,613	1,779
	Wokingham	E06000041	2,303	2,196	2,011	2,170	2,065	2,132
South West		E12000009	60,991	59,106	55,935	58,139	55,134	56,822
	Bath and North East Somerset	E06000022	1,986	1,944	1,847	1,905	1,820	1,856
	Bournemouth	E06000028	2,141	2,064	1,947	2,011	1,900	1,992
	Bristol	E06000023	5,863	5,659	5,179	5,527	5,099	5,421
	Cornwall ⁽¹¹⁾	E06000052	5,727	5,556	5,323	5,481	5,241	5,338
	Devon	E10000008	7,775	7,530	7,115	7,383	6,993	7,205
	Dorset	E10000009	3,909	3,779	3,649	3,722	3,603	3,669
	Gloucestershire	E10000013	6,760	6,423	6,148	6,376	6,034	6,177
	North Somerset	E06000024	2,445	2,412	2,293	2,375	2,260	2,337
	Plymouth	E06000026	3,137	3,043	2,791	3,009	2,763	2,899
	Poole	E06000029	1,909	1,840	1,737	1,794	1,695	1,776
	Somerset	E10000027	5,964	5,809	5,523	5,726	5,445	5,458
	South Gloucestershire	E06000025	3,145	3,105	2,957	3,044	2,909	3,031
	Swindon	E06000030	3,025	2,966	2,826	2,926	2,806	2,913
	Torbay	E06000027	1,482	1,442	1,344	1,410	1,318	1,386
	Wiltshire	E06000054	5,801	5,610	5,329	5,525	5,320	5,439

* Figures reported by LA are for the LA responsible population and in some cases have been estimated - see the 'Notes on LA data' tab for more information.

.. Data not available

⁽¹⁾ Figures for Gateshead are for the resident Gateshead population and not the responsible population.

⁽²⁾ Data quality issues were reported for East Lancashire PCT (which forms part of Lancashire LA) leading to lower levels of reported coverage in 2013-14.

⁽³⁾ Suspected data quality issues have been reported for Trafford affecting coverage figures for all vaccines at 5 years. Coverage figures for DTaP/IPV/Hib have not been published for this reason.

⁽⁴⁾ Figures for Brent, Harrow, Tower Hamlets, Derby, Peterborough and Cambridgeshire LAs are for the GP registered population only.

⁽⁵⁾ Leicestershire also contains data for Rutland.

⁽⁶⁾ Data quality issues have been reported for City of Westminster, Hammersmith and Fulham and Kensington and Chelsea, leading to lower levels of reported coverage in 2013-14.

⁽⁷⁾ Data quality issues were reported for the third and fourth quarters of 2013-14 for Enfield leading to lower levels of reported coverage.

⁽⁸⁾ Hackney also contains data for City of London.

⁽⁹⁾ Coverage figures for Diphtheria, Tetanus, Polio and Pertussis booster in Hammersmith and Fulham have not been published due to suspected data quality issues.

⁽¹⁰⁾ Data quality issues associated with a new CHIS have been reported for Kent and Medway LAs.

⁽¹¹⁾ Cornwall also contains data for Isles of Scilly.

Source: COVER

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NHS Immunisation Statistics, England 2013-14

Table 12c: Percentage of children immunised by their fifth birthday, by Area Team, 2013-14

percentages and thousands

		Percentage immunised by their 5th birthday						
Region	Local Authority (LA)	ONS Code	Number of children aged 5 (thousands) (=100%)	Diphtheria Tetanus Polio Pertussis Hib (DTaP/IPV/Hib)	Diphtheria Tetanus, Polio, Pertussis	MMR	MMR	Hib/MenC
				<i>primary %</i>	<i>booster %</i>	<i>1st dose %</i>	<i>1st and 2nd dose %</i>	<i>booster %</i>
	England		681.9	95.6	88.8	94.1	88.3	91.9
Y54	North of England	E40000001	182.8	97.1	92.1	96.1	91.7	94.1
Q44	Cheshire, Warrington and Wirral	E39000001	14.5	96.9	92.0	95.8	90.9	94.3
Q45	Durham, Darlington and Tees	E39000002	14.0	97.5	92.9	96.3	92.5	95.4
Q46	Greater Manchester	E39000003	35.9	96.6	92.3	95.6	92.1	91.5
Q47	Lancashire	E39000004	16.1	96.7	88.2	95.9	89.4	93.9
Q48	Merseyside	E39000005	13.7	96.5	91.4	97.0	91.8	93.5
Q49	Cumbria, Northumberland, Tyne and Wear	E39000006	21.2	98.1	94.2	97.0	93.4	94.5
Q50	North Yorkshire and Humber	E39000007	18.6	96.8	92.2	96.0	91.6	93.7
Q51	South Yorkshire and Bassetlaw	E39000008	17.9	96.9	90.7	95.1	89.9	95.3
Q52	West Yorkshire	E39000009	31.0	97.5	92.8	96.3	92.4	95.8
Y55	Midlands and East of England	E40000002	204.1	96.6	91.4	95.0	90.3	93.6
Q53	Arden, Herefordshire and Worcestershire	E39000010	18.3	97.3	93.7	96.3	92.7	91.4
Q54	Birmingham and The Black Country	E39000011	33.6	96.0	87.7	94.4	87.3	92.1
Q55	Derbyshire and Nottinghamshire	E39000012	23.2	97.5	91.4	95.8	90.7	94.1
Q56	East Anglia	E39000013	29.8	95.4	89.5	93.2	88.0	92.0
Q57	Essex	E39000014	21.9	96.7	92.0	94.5	90.5	95.2
Q58	Hertfordshire and The South Midlands	E39000015	37.8	96.3	93.1	94.8	91.8	94.4
Q59	Leicestershire and Lincolnshire	E39000016	21.1	97.0	92.6	95.7	91.1	93.8
Q60	Shropshire and Staffordshire	E39000017	18.4	97.8	93.8	96.5	92.7	96.1
Y56	London	E40000003	126.1	92.5	79.3	90.6	80.7	87.2
Q71	London	E39000018	126.1	92.5	79.3	90.6	80.7	87.2
Y57	South of England	E40000004	168.9	95.1	88.9	93.5	87.9	91.2
Q64	Bath, Gloucestershire, Swindon and Wiltshire	E39000019	17.6	96.4	91.9	95.2	90.9	93.2
Q65	Bristol, North Somerset, Somerset and South Gloucestershire	E39000020	17.4	97.5	91.6	95.7	90.2	93.3
Q66	Devon, Cornwall and Isles Of Scilly	E39000021	18.1	97.0	91.5	95.4	90.0	92.9
Q67	Kent and Medway	E39000022	21.5	95.0	88.5	93.0	87.1	93.0
Q68	Surrey and Sussex	E39000023	34.2	91.1	82.6	89.2	81.3	84.7
Q69	Thames Valley	E39000024	28.1	95.9	89.4	95.0	89.7	93.9
Q70	Wessex	E39000025	32.0	95.7	90.8	94.1	89.9	91.5

Source: COVER

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Table 13: Number of persons receiving BCG vaccinations and number of reinforcing doses of diphtheria, tetanus and polio given to school leavers, by region, 2013-14

Data are not available for 2013-14 as the KC50 data collection was suspended following a review in 2013. See section 1.5 in NHS Immunisation Statistics, England, 2013-14 for more information:

<http://www.hscic.gov.uk/searchcatalogue?q=title%3A+nhs+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, 2013-14

Data are not available for 2013-14 as the KC50 data collection was suspended following a review in 2013. See section 1.5 in NHS Immunisation Statistics, England, 2013-14 for more information:

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

Table 14: Percentage of persons aged 65 and over immunised against Influenza (seasonal flu) by region, 2013-14

Region	ONS Code	<i>percentages</i>
		immunised from 1 September 2013 to 31 January 2014
England		73.2
North East	E12000001	74.9
North West	E12000002	75.8
Yorkshire & the Humber	E12000003	74.2
East Midlands	E12000004	73.9
West Midlands	E12000005	72.4
East Of England	E12000006	72.9
London	E12000007	70.0
South East	E12000008	72.5
South West	E12000009	73.1

Source: Public Health England

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NHS Immunisation Statistics, England 2013-14

Table 14a: Percentage of persons aged 65 and over immunised against Influenza (seasonal flu) by Local Authority, 2013-14

Region & Local Authority	ONS Code	percentages
		immunised from 1 September 2013 to 31 January 2014
England		73.2
North East		74.9
County Durham	E06000047	72.9
Darlington	E06000005	73.8
Gateshead	E08000037	74.8
Hartlepool	E06000001	72.7
Middlesbrough	E06000002	74.4
Newcastle upon Tyne	E08000021	77.1
North Tyneside	E08000022	75.3
Northumberland	E06000057	76.6
Redcar and Cleveland	E06000003	77.4
South Tyneside	E08000023	76.0
Stockton-on-Tees	E06000004	73.5
Sunderland	E08000024	74.7
North West		75.8
Blackburn with Darwen	E06000008	76.9
Blackpool	E06000009	74.0
Bolton	E08000001	73.6
Bury	E08000002	72.8
Cheshire East	E06000049	77.8
Cheshire West and Chester	E06000050	75.4
Cumbria	E10000006	75.4
Halton	E06000006	73.5
Knowsley	E08000011	77.7
Lancashire	E10000017	76.9
Liverpool	E08000012	76.6
Manchester	E08000003	71.7
Oldham	E08000004	74.1
Rochdale	E08000005	77.4
Salford	E08000006	76.2
Sefton	E08000014	75.8
St. Helens	E08000013	78.1
Stockport	E08000007	80.5
Tameside	E08000008	75.5
Trafford	E08000009	78.2
Warrington	E06000007	72.5
Wigan	E08000010	73.2
Wirral	E08000015	75.1
Yorkshire & the Humber		74.2
Barnsley	E08000016	72.5
Bradford	E08000032	75.7
Calderdale	E08000033	71.8
Doncaster	E08000017	73.0
East Riding of Yorkshire	E06000011	71.8
Kingston upon Hull, City of	E06000010	72.9
Kirklees	E08000034	73.1
Leeds	E08000035	78.0
North East Lincolnshire	E06000012	72.4
North Lincolnshire	E06000013	70.9
North Yorkshire	E10000023	73.4
Rotherham	E08000018	76.9
Sheffield	E08000019	76.1
Wakefield	E08000036	73.1
York	E06000014	75.2
East Midlands		73.9
Derby	E06000015	75.6
Derbyshire	E10000007	75.6
Leicester	E06000016	71.8

NHS Immunisation Statistics, England 2013-14

Table 14a: Percentage of persons aged 65 and over immunised against Influenza (seasonal flu) by Local Authority, 2013-14

Region & Local Authority	ONS Code	percentages
		immunised from 1 September 2013 to 31 January 2014
England		73.2
Leicestershire	E10000018	73.6
Lincolnshire	E10000019	72.6
Northamptonshire	E10000021	71.8
Nottingham	E06000018	72.3
Nottinghamshire	E10000024	75.7
Rutland	E06000017	74.4
West Midlands		72.4
Birmingham	E08000025	71.1
Coventry	E08000026	72.9
Dudley	E08000027	72.9
Herefordshire, County of	E06000019	71.3
Sandwell	E08000028	69.7
Shropshire	E06000051	73.9
Solihull	E08000029	72.7
Staffordshire	E10000028	70.8
Stoke-on-Trent	E06000021	74.6
Telford and Wrekin	E06000020	73.5
Walsall	E08000030	71.4
Warwickshire	E10000031	75.1
Wolverhampton	E08000031	70.1
Worcestershire	E10000034	74.3
East of England		72.9
Bedford	E06000055	72.5
Cambridgeshire	E10000003	74.3
Central Bedfordshire	E06000056	74.0
Essex	E10000012	71.7
Hertfordshire	E10000015	76.1
Luton	E06000032	72.4
Norfolk	E10000020	71.9
Peterborough	E06000031	72.2
Southend-on-Sea	E06000033	66.0
Suffolk	E10000029	73.3
Thurrock	E06000034	69.2
London		70.0
Barking and Dagenham	E09000002	70.5
Barnet	E09000003	71.8
Bexley	E09000004	69.0
Brent	E09000005	69.8
Bromley	E09000006	69.9
Camden	E09000007	70.9
City of London	E09000001	64.6
Croydon	E09000008	65.8
Ealing	E09000009	67.6
Enfield	E09000010	71.8
Greenwich	E09000011	73.3
Hackney	E09000012	71.4
Hammersmith and Fulham	E09000013	62.9
Haringey	E09000014	70.3
Harrow	E09000015	71.8
Havering	E09000016	71.6
Hillingdon	E09000017	71.2
Hounslow	E09000018	66.4
Islington	E09000019	68.8
Kensington and Chelsea	E09000020	66.6
Kingston upon Thames	E09000021	68.8
Lambeth	E09000022	67.2
Lewisham	E09000023	70.2
Merton	E09000024	65.3

NHS Immunisation Statistics, England 2013-14

Table 14a: Percentage of persons aged 65 and over immunised against Influenza (seasonal flu) by Local Authority, 2013-14

Region & Local Authority	ONS Code	<i>percentages</i>
		immunised from 1 September 2013 to 31 January 2014
England		73.2
Newham	E09000025	75.4
Redbridge	E09000026	71.1
Richmond upon Thames	E09000027	73.3
Southwark	E09000028	70.0
Sutton	E09000029	70.2
Tower Hamlets	E09000030	76.0
Waltham Forest	E09000031	71.1
Wandsworth	E09000032	70.4
Westminster	E09000033	70.8
South East		72.5
Bracknell Forest	E06000036	74.3
Brighton and Hove	E06000043	69.2
Buckinghamshire	E10000002	73.5
East Sussex	E10000011	71.9
Hampshire	E10000014	75.2
Isle of Wight	E06000046	71.9
Kent	E10000016	71.1
Medway	E06000035	71.4
Milton Keynes	E06000042	72.0
Oxfordshire	E10000025	75.8
Portsmouth	E06000044	75.7
Reading	E06000038	74.7
Slough	E06000039	69.6
Southampton	E06000045	75.2
Surrey	E10000030	68.9
West Berkshire	E06000037	76.3
West Sussex	E10000032	72.0
Windsor and Maidenhead	E06000040	71.4
Wokingham	E06000041	74.3
South West		73.1
Bath and North East Somerset	E06000022	73.7
Bournemouth	E06000028	69.6
Bristol, City of	E06000023	75.7
Cornwall	E06000052	71.3
Devon	E10000008	71.5
Dorset	E10000009	72.8
Gloucestershire	E10000013	74.3
Isles of Scilly	E06000053	79.3
North Somerset	E06000024	77.1
Plymouth	E06000026	73.2
Poole	E06000029	73.7
Somerset	E10000027	72.5
South Gloucestershire	E06000025	79.4
Swindon	E06000030	74.8
Torbay	E06000027	68.3
Wiltshire	E06000054	73.4

Source: Public Health England
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NHS Immunisation Statistics, England 2013-14

Table 14b: Percentage of persons aged 65 and over immunised against Influenza (seasonal flu) by Area Team, 2013-14

		<i>percentages</i>	
Region & Area Team Codes		ONS Code	immunised from 1 September 2013 to 31 January 2014
England			
Y54	North of England	E40000001	75.1
Q44	Cheshire, Warrington and Wirral	E39000001	75.7
Q45	Durham, Darlington and Tees	E39000002	73.7
Q46	Greater Manchester	E39000003	75.3
Q47	Lancashire	E39000004	76.5
Q48	Merseyside	E39000005	76.5
Q49	Cumbria, Northumberland, Tyne and Wear	E39000006	75.7
Q50	North Yorkshire and Humber	E39000007	73.0
Q51	South Yorkshire and Bassetlaw	E39000008	74.6
Q52	West Yorkshire	E39000009	74.9
Y55	Midlands and East Of England	E40000002	73.0
Q53	Arden, Herefordshire and Worcestershire	E39000010	73.9
Q54	Birmingham and The Black Country	E39000011	71.3
Q55	Derbyshire and Nottinghamshire	E39000012	75.4
Q56	East Anglia	E39000013	73.0
Q57	Essex	E39000014	70.9
Q58	Hertfordshire and The South Midlands	E39000015	74.0
Q59	Leicestershire and Lincolnshire	E39000016	72.9
Q60	Shropshire and Staffordshire	E39000017	72.3
Y56	London	E40000003	70.0
Q71	London	E39000018	70.0
Y57	South of England	E40000004	72.7
Q64	Bath, Gloucestershire, Swindon and Wiltshire	E39000019	74.0
Q65	Bristol, North Somerset, Somerset and South Gloucestershire	E39000020	75.1
Q66	Devon, Cornwall and Isles Of Scilly	E39000021	71.4
Q67	Kent and Medway	E39000022	71.1
Q68	Surrey and Sussex	E39000023	70.6
Q69	Thames Valley	E39000024	74.3
Q70	Wessex	E39000025	74.0

Source: Public Health England

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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’.³⁰

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> ³¹ .
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 ³² .
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 ³³ .
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 ³⁴ .
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 ³⁵ .
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 ³⁶ .
MenC	Childhood vaccine providing protection against meningococcal group C

³⁰ Source: <https://www.gov.uk/government/collections/immunisation-against-infectious-disease-the-green-book>

³¹ Source: <http://www.nhs.uk/Conditions/vaccinations/Pages/bcg-tuberculosis-TB-vaccine.aspx>

³² Source: <http://www.nhs.uk/Conditions/Diphtheria/Pages/Introduction.aspx>

³³ Source: <http://www.nhs.uk/conditions/hib/Pages/Introduction.aspx>

³⁴ Source: <http://www.nhs.uk/Conditions/vaccinations/Pages/hpv-human-papillomavirus-vaccine.aspx>

³⁵ Source: <http://www.nhs.uk/conditions/flu/Pages/Introduction.aspx>

³⁶ Source: <http://www.nhs.uk/conditions/Measles/Pages/Introduction.aspx?url=Pages/What-is-it.aspx>

	disease.
Meningococcal group C disease	Meningococcal group C disease can cause meningitis, and septicaemia (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 th 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 ³⁷ .
Output area	Output areas are small geographical areas which were created for the Census and built from clusters of adjacent unit postcodes. At the time of the 2011 census, output areas had an average population of 309.
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 ³⁸ .
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 ³⁹ .
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) ⁴⁰ .
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 ⁴¹ .

³⁷ Source: <http://www.nhs.uk/conditions/Mumps/Pages/Introduction.aspx?url=Pages/What-is-it.aspx>

³⁸ Source: <http://www.nhs.uk/conditions/whooping-cough/pages/introduction.aspx>

³⁹ Source: <http://www.nhs.uk/conditions/pneumococcal-infections/pages/introduction.aspx>

⁴⁰ Source: <http://www.nhs.uk/conditions/polio-and-post-polio-syndrome-/pages/introduction.aspx>

⁴¹ Source: <http://www.nhs.uk/conditions/Rubella/Pages/Introduction.aspx?url=Pages/What-is-it.aspx>

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> ⁴² .
Td/IPV	Teenage booster that boosts protection against tetanus, diphtheria and polio ⁴³
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 ⁴⁴ .

⁴² Source: <http://www.nhs.uk/conditions/tetanus/pages/introduction.aspx>

⁴³ Source: <http://www.nhs.uk/Conditions/vaccinations/Pages/3-in-1-teenage-booster.aspx>

⁴⁴ Source: <http://www.nhs.uk/conditions/Tuberculosis/Pages/Introduction.aspx>

Appendix B – Coverage Definitions

The coverage definitions below for all vaccinations, with the exception of neonatal hepatitis B, refer to the LA responsible population at a certain point in time (in this instance on 31st March 2014). Where data are reported by LA responsible population, coverage figures are supplied for:

- patients registered with GPs based in that LA regardless of where the person is resident, plus
- persons not registered with a GP but resident in that LA

Note that persons resident within the LA geographical area but registered with a GP belonging to another LA, fall within the other LA's responsible population according to this definition.

For LAs that share the same geographical boundaries as the old PCTs (i.e. are coterminous), the LA responsible population equates to the old PCT responsible population.

COVER: 12 Month Cohort

Coverage for the 12 month cohort is calculated as follows:

$$\frac{\text{Total number of children in the LA responsible population, reaching their **first** birthday during the evaluation period (2013-14) and immunised before their first birthday}}{\text{Total number of children in the LA responsible population reaching their **first** birthday during the evaluation period (2013-14)}} \times 100$$

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: From 1st June 2013, immunised is defined as one dose before the child's first birthday. For children offered the vaccine prior to the policy change in June 2013, immunised is defined as a completed course which was two doses before the child's first birthday.

Children who were born before March 2013 would have been due to receive two doses of MenC vaccine at three and four months. However, if they had not had their second dose by

1 June 2013 when the policy change came into effect (due to a missed appointment, for example), they would not have needed a second dose (unless Meningitec® was used for the first dose, in which case the two dose schedule was still indicated). Those born in March 2013 would have been due to receive just one dose of MenC vaccine at three months.

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:

Total number of children in the LA responsible population, reaching their second birthday during the evaluation period (2013-14) and immunised before their second birthday	X 100
--	-------

Total number of children in the LA responsible population reaching their **second** birthday during the evaluation period (2013-14)

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: From 1st June 2013, immunised is defined as one dose before the child's first birthday. For children vaccinated prior to the policy change in June 2013, immunised is defined as a completed course which was 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:

$$\frac{\text{Total number of children in the LA responsible population, reaching their fifth birthday during the evaluation period (2013-14) and immunised before their fifth birthday}}{\text{Total number of children in the LA responsible population reaching their fifth birthday during the evaluation period (2013-14)}} \times 100$$

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 (1st 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 (2nd 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

The coverage definitions below for hepatitis B vaccinations refer to the PCT responsible population (as was prior to April 2013) which is defined as those for whom the PCT would have had responsibility at a certain point in time (in this instance on 31st March 2014) and includes:

- All persons registered with a GP whose practice forms part of the PCT (as was prior to April 2013), regardless of where the person is resident, plus
- Any persons not registered with a GP, who are resident within the PCTs statutory geographical boundary (as was prior to April 2013)

Note that persons resident within the PCT geographical area (as was prior to April 2013) but registered with a GP belonging to another PCT, are the responsibility of that other PCT.

Hepatitis B: 12 Month Cohort

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

Total number of children in the PCT responsible population, with maternal HB positive status, reaching their first birthday during the evaluation period (2013-14) and immunised before their **first** birthday X 100

Total number of children in the PCT responsible population with maternal HB status positive and reaching their **first** birthday during the evaluation period (2013-14)

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 positive⁴⁵ 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 in the PCT responsible population, with maternal HB positive status, reaching their second birthday during the evaluation period (2013-14) and immunised before their **second** birthday X 100

Total number of children in the PCT responsible population with maternal HB status positive and reaching their **second** birthday during the evaluation period (2013-14)

⁴⁵ 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 four doses of hepatitis B vaccine, given at any time up to a child's second birthday, in those infants born to HBsAg positive⁴⁶ mothers who reached two years of age in the appropriate evaluation year.

Seasonal Flu for adults aged 65 and over

Seasonal flu coverage for adults aged 65 and over is calculated as follows:

$$\frac{\text{Total number of persons aged 65 and over at the time of data extraction, registered with a GP during the evaluation period (2013-14), who have been immunised}}{\text{Total number of persons aged 65 and over at the time of data extraction, registered with a GP during the evaluation period (2013-14)}} \times 100$$

Immunised is defined as one dose of trivalent influenza vaccine given to anyone aged 65 years and over on 31 March 2014 (i.e. born on or before 31 March 1949).

⁴⁶ HBsAG stands for hepatitis B surface antigen and is the surface antigen of the hepatitis B virus (HBV). It indicates current hepatitis B infection.

Appendix C – Changes to the UK childhood immunisation programme

Changes to the UK childhood immunisation programme since April 2003 are detailed below.

2013: Rotavirus and childhood flu vaccine were added to the programme in 2013 and the schedule for administering the MenC vaccine changed. See section 1.2.7. on Coherence and Comparability for more information.

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) were to be given at the same visit, between 12 and 13 months of age (i.e. within a month after the first birthday)⁴⁷.

2008: A new programme to vaccinate all 12 to 13-year-old girls (school year 8) against HPV started at the beginning of the 2008-09 school year. HPV immunisation is offered to protect girls against their future risk of cervical cancer.

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.

October 2004: Following recommendations from JCVI that live oral polio vaccine (OPV) be replaced with inactivated polio vaccine (IPV) and acellular pertussis vaccines replace the whole cell pertussis vaccine in the routine childhood immunisation programme, a number of vaccine changes were introduced. DTaP/IPV/Hib replaced the DTwP-Hib and OPV vaccines previously used for primary immunisation, dTaP/IPV replaced the DTaP and OPV vaccines for the pre-school booster and Td/IPV replaced the Td and OPV vaccines for the teenage booster.

⁴⁷ Trusts were advised of this change to the immunisation schedule on 17th 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

Appendix D – 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 LAs, or from GP systems for a small number of LAs.

Data collections were quality assured at the time of collection by PHE and further data validation and quality assurance was 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 eligible for vaccination and on coverage.
- Comparisons are made with coverage submitted for the same cohort of children in previous years to identify any unexpected changes 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 LA 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 from 2005-06 to 2012-13.

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.
2012-13	Quality issues were reported in relation to the data for four PCTs. Two of these were in London. Possible missing data was also reported for one other PCT.

In 2013-14, submissions were made by all data suppliers and data are published for all LAs. Coverage figures have not, however, been published for the following vaccinations measured at five years for two Local Authorities due to confirmed or suspected data quality issues:

DTaP/IPV/Hib at 5 years for Trafford

DTaP/IPV at 5 years for Hammersmith and Fulham

Confirmed or suspected data quality issues were reported in relation to all or some of the data for eight LAs (Lancashire, Trafford, City of Westminster, Hammersmith and Fulham, Enfield, Kensington and Chelsea, Kent and Medway). This is an increase on 2012-13 when data quality issues were reported for four PCTs. In the five cases where more information

was available on the impact on coverage figures, data suppliers reported that the data quality issues had resulted in lower levels of reported coverage. Where data quality issues were identified, this is indicated against the organisation in the Data Tables.

For one LA (Gateshead) data were reported on the resident population for the authority as data on the LA responsible population were not available.

For six LAs (Brent, Derby, Tower Hamlets, Harrow, Peterborough and Cambridgeshire) data were only reported for children registered with a GP in the LA and coverage figures therefore do not include data on unregistered children.

Some caution should be exercised when comparing coverage figures over time due to data quality issues reported by some data suppliers in recent years. 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. Similarly, some caution should also be exercised when comparing coverage between different areas where data quality issues have been reported.

Appendix E – 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. At a local level, Screening and Immunisation Managers use the report to review statistics for their local populations and compare these against regional and national statistics.

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 Framework⁴⁸.

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.

Local Authorities (LAs)

The statistics are used by LAs to monitor local performance.

⁴⁸ 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 F – Feedback from Users

Feedback from users since the last publication in November 2013 has been sought through the following means:

- The publication webpage has a 'Have your say' link which invites users to comment on the publication.
- The 2012-13 report invited users to provide feedback.
- Key stakeholders were invited to provide feedback on the 2012-13 report.
- Feedback was sought from key stakeholders in NHS England and Local Authorities through articles placed in newsletters.

Feedback was received from three users, all of whom found the reports and statistics very useful. The following points were made:

- One Screening and Immunisations Manager commented that the change to reporting by Upper Tier Local Authority, which for some areas would mean statistics were reported for much larger areas, would not enable them to drill down to identify target populations to focus on. Coverage would be useful at a District or CCG level as well as by region, Area Team and National level.

One respondent from a local authority reported that although it was useful to have the data by old PCT it was also needed by LA, CCG and ward/GP practice to enable identification of geographical inequalities.

Response: CCG data are available from NHS England and a link to these data has been included in Appendix G. This year NHS Immunisation Statistics includes statistics by LA and region in addition to Area Team and England level data.

- One respondent queried whether the publication could include recorded cases of measles, mumps, rubella, meningitis C and flu at District/CCG level, regional, Area Team and national level.

Response: PHE publish data on infectious diseases in their Health Protection Reports. A link to these reports has been included in Appendix G.

- The inclusion of data on school based immunisations would be useful.

Response: Data on reinforcing doses of diphtheria, tetanus and polio (Td/IPV) given to school leavers are currently not available as the KC50 data collection was suspended following a review in 2013. PHE is proposing the evaluation of Td/IPV coverage as part of a new annual adolescent immunisation data collection and the

HSCIC will undertake a formal consultation with users once the potential impact of any changes to existing data collections and on this publication is clear.

Statistics on HPV coverage are available from PHE and a link to these statistics is provided in Appendix G.

- Another Screening and Immunisations Lead reported that the statistics were very important as they provided context, a national publicity platform for recognising performance, expert commentary and a permanent record.

Appendix G – Related Publications and Useful Web Links

This bulletin can be found on the internet at:

<http://www.hscic.gov.uk/searchcatalogue?q=title%3Anhs+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

‘Immunisation against Infectious Diseases – the Green Book’, Public Health England

<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>

Annual HPV vaccine coverage in England: 2012-13, Public Health England

<https://www.gov.uk/government/statistics/annual-hpv-vaccine-coverage-2012-to-2013-by-pct-and-area-team>

Statistics relating to hepatitis B are available from PHE through the following link:

<https://www.gov.uk/government/collections/hepatitis-b-guidance-data-and-analysis#epidemiology>

More information on the seasonal flu vaccination is available from PHE through the following link:

<https://www.gov.uk/government/collections/vaccine-uptake#seasonal-flu-vaccine-uptake>

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

<https://www.gov.uk/government/collections/annual-flu-programme>

and

<https://www.gov.uk/government/publications/childhood-flu-immunisation-programme-from-september-2014-to-2015-information-for-parents-and-schools>

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-immunisation-programme-for-england-gp-patient-groups-data-collection-survey-season-2013-to-2014>

<https://www.gov.uk/government/statistics/seasonal-flu-vaccine-uptake-in-gp-patients-1-september-2013-to-31-january-2014>

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

<https://www.gov.uk/government/collections/health-protection-report-latest-infection-reports>


Routine childhood immunisation data at CCG level are published as experimental management information by NHS England and are available at:

<http://www.england.nhs.uk/statistics/statistical-work-areas/child-immunisation/>

PHE Health Protection Report: Routine data and commentary reporting on infectious diseases

<https://www.gov.uk/government/collections/health-protection-report-latest-infection-reports#immunisation>

Appendix H – COVER Data Collection Form

 Public Health England		COVER PROGRAMME		DATA REQUEST PARAMETERS																																															
FISCAL YEAR:	2013-14	EVALUATION DATES:	01/04/2013	to	31/03/2014																																														
FISCAL QUARTER:	Q5	COLLECTION CONFIGURATION:	UPPER TIER LOCAL AUTHORITY (LA): RESPONSIBLE POPULATION																																																
DATA SUBMISSION DEADLINE	Fri 23 May 2014																																																		
TYPE	ANNUAL																																																		
APPROVAL:		COHORTS:																																																	
<p>The collection of these data has been mandated by the Secretary of State, through the Review of Central Returns (ROCR), to Public Health England (PHE).</p> <p>Reference: ROCR/OR/0105/004MAND More details can be found at: http://www.ic.nhs.uk/rocr</p> <p>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 time 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 .</p>		<table border="1"> <thead> <tr> <th></th> <th></th> <th>12m</th> <th>24m</th> <th>5y</th> </tr> </thead> <tbody> <tr> <td>DTaP/IPV/Hib</td> <td></td> <td>✓</td> <td>✓</td> <td>✓</td> </tr> <tr> <td>MenC</td> <td></td> <td>✓</td> <td></td> <td></td> </tr> <tr> <td>PCV</td> <td></td> <td>✓</td> <td></td> <td></td> </tr> <tr> <td>Hib/MenC</td> <td>Booster</td> <td></td> <td>✓</td> <td>✓</td> </tr> <tr> <td>PCV**</td> <td>Booster</td> <td></td> <td>✓</td> <td></td> </tr> <tr> <td>MMR</td> <td>1st dose</td> <td></td> <td>✓</td> <td>✓</td> </tr> <tr> <td>MMR</td> <td>2nd dose</td> <td></td> <td></td> <td>✓</td> </tr> <tr> <td>DTaP/IPV</td> <td>Booster</td> <td></td> <td></td> <td>✓</td> </tr> </tbody> </table>							12m	24m	5y	DTaP/IPV/Hib		✓	✓	✓	MenC		✓			PCV		✓			Hib/MenC	Booster		✓	✓	PCV**	Booster		✓		MMR	1st dose		✓	✓	MMR	2nd dose			✓	DTaP/IPV	Booster			✓
		12m	24m	5y																																															
DTaP/IPV/Hib		✓	✓	✓																																															
MenC		✓																																																	
PCV		✓																																																	
Hib/MenC	Booster		✓	✓																																															
PCV**	Booster		✓																																																
MMR	1st dose		✓	✓																																															
MMR	2nd dose			✓																																															
DTaP/IPV	Booster			✓																																															
POPULATION:		<p>Corresponds to PHOF indicators: https://www.gov.uk/government/publications/healthy-lives-healthy-people-improving-outcomes-and-supporting-transparency</p>																																																	
<p>The following groups of children are to be included as LA responsible population for COVER data:</p> <p>Children for whom the LA is responsible are:</p> <ul style="list-style-type: none"> All children registered with a GP whose practice forms part of the LA, regardless of where the child is resident, plus Any children not registered with a GP, who are resident within the LA's statutory geographical boundary <p>Note that children resident within the LA geographical area, but registered with a LA belonging to another LA are the responsibility of that other LA.</p>		GUIDANCE NOTES																																																	

FISCAL YEAR:	2013-14			UT LA Name:	
FISCAL QUARTER:	ANNUAL	Q5		UT LA Code:	
EVALUATION DATES:	01/04/2013	to	31/03/2014		
COLLECTION AREA:	PR TIER LOCAL AUTHORITY (LA): RESPONSIBLE POPULA				

REQUEST 1:	12 Month Cohort		
------------	-----------------	--	--

LINE 1:	DENOMINATOR			Total number of children for whom the LA is responsible for on DATE 1* reaching their 1st birthday during the above evaluation dates.	
Number					
				*DATE 1 :	31/03/2014

LINE 2:	DTaP/IPV/Hib	MenC	PCV	Total number and percentage vaccinated (to one decimal place) included in line 1 denominator completing a course* at any time up to their 1st birthday for each of the above:
	#DIV/0!	#DIV/0!	#DIV/0!	

REQUEST 2:	24 Month Cohort		
------------	-----------------	--	--

LINE 3:	DENOMINATOR			Total number of children for whom the LA is responsible for on DATE 2* reaching their 2nd birthday during the above evaluation dates.	
Number					
				*DATE 2 :	31/03/2014

GUIDANCE NOTES				
----------------	--	--	--	--

LINE 4:	DTaP/IPV/Hib	MMR	Hib/MenC**	PCV**	
			Booster	Booster	
Number					Total number and percentage vaccinated (to one decimal place) included in line 3 <u>completing a course** at any time up to their 2nd birthday</u> and also total number and percentage included in line 3 receiving boosters for each of the following:
%	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	
REQUEST 3:		5 Year Cohort			
LINE 5:		DENOMINATOR			
	Number				Total number of children for whom the LA is responsible for on DATE 3* reaching their 5th birthday during the above evaluation dates.
					*DATE 3 : 31/03/2014
LINE 6:	DTaP/IPV/Hib	MMR			
		1st dose			Total number and percentage vaccinated (to one decimal place) included in line 5 <u>completing a course*** at any time up to their 5th birthday</u> and also total number and percentage included in line 5 receiving boosters for each
Number					
%	#DIV/0!	#DIV/0!			
LINE 7:	DTaP/IPV	Hib/MenC	MMR		
	Booster	Booster	2nd dose		Total number included in line 5 and receiving boosters at any time before their 5th birthday against:
Number					
%	#DIV/0!	#DIV/0!	#DIV/0!		
REQUEST 4 (i):		HEPATITIS 12 Month Cohort			
LINE 8:		DENOMINATOR			
	Number				Total number included in line 1 with maternal HB status positive**** and reaching their 1st birthday during the above evaluation period
					ie. Born Between 01/04/2012 - 31/03/2013
LINE 9:		Hep B			
	Number				Total number included in line 8 receiving 3 doses of Hep B before their 1st birthday
%		#DIV/0!			
REQUEST 4 (ii):		HEPATITIS 24 Month Cohort			
LINE 10:		DENOMINATOR			
	Number				Total number included in line 1 with maternal HB status positive**** and reaching their 2nd birthday during the above evaluation period
					ie. Born Between 01/04/2011 - 31/03/2012
LINE 11:		Hep B			
	Number				Total number included in line 10 receiving 4 doses of Hep B before their 2nd birthday
%		#DIV/0!			

Appendix I – Local Authority Data Source

Region	LA Name	ONS Code	Data Source
East Midlands	Derby	E06000015	Not applicable - PCT and LA coterminous
	Derbyshire	E10000007	Estimated from PCT data
	Leicester	E06000016	Not applicable - PCT and LA coterminous
	Leicestershire	E10000018	Not applicable - PCT and LA coterminous
	Lincolnshire	E10000019	Estimated from PCT data
	Northamptonshire	E10000021	Not applicable - PCT and LA coterminous
	Nottingham	E06000018	Not applicable - PCT and LA coterminous
	Nottinghamshire	E10000024	Submitted LA responsible
	Rutland	E06000017	Estimated from PCT data
East of England	Bedford	E06000055	Submitted LA responsible
	Cambridgeshire	E10000003	Not applicable - PCT and LA coterminous
	Central Bedfordshire	E06000056	Submitted LA responsible
	Essex	E10000012	Estimated from PCT data
	Hertfordshire	E10000015	Not applicable - PCT and LA coterminous
	Luton	E06000032	Not applicable - PCT and LA coterminous
	Norfolk	E10000020	Estimated from PCT data
	Peterborough	E06000031	Not applicable - PCT and LA coterminous
	Southend-on-Sea	E06000033	Submitted LA responsible
	Suffolk	E10000029	Estimated from PCT data
	Thurrock	E06000034	Estimated from PCT data
London	Barking and Dagenham	E09000002	Not applicable - PCT and LA coterminous
	Barnet	E09000003	Not applicable - PCT and LA coterminous
	Bexley	E09000004	Not applicable - PCT and LA coterminous
	Brent	E09000005	Not applicable - PCT and LA coterminous
	Bromley	E09000006	Not applicable - PCT and LA coterminous
	Camden	E09000007	Not applicable - PCT and LA coterminous
	City of London	E09000001	Submitted LA responsible
	City of Westminster	E09000033	Not applicable - PCT and LA coterminous
	Croydon	E09000008	Not applicable - PCT and LA coterminous
	Ealing	E09000009	Not applicable - PCT and LA coterminous
	Enfield	E09000010	Not applicable - PCT and LA coterminous
	Greenwich	E09000011	Not applicable - PCT and LA coterminous
	Hackney	E09000012	Submitted LA responsible
	Hammersmith and Fulham	E09000013	Not applicable - PCT and LA coterminous
	Haringey	E09000014	Not applicable - PCT and LA coterminous
	Harrow	E09000015	Not applicable - PCT and LA coterminous
	Havering	E09000016	Not applicable - PCT and LA coterminous
	Hillingdon	E09000017	Not applicable - PCT and LA coterminous
	Hounslow	E09000018	Not applicable - PCT and LA coterminous

	Islington	E09000019	Not applicable - PCT and LA coterminous
	Kensington and Chelsea	E09000020	Not applicable - PCT and LA coterminous
	Kingston upon Thames	E09000021	Not applicable - PCT and LA coterminous
	Lambeth	E09000022	Not applicable - PCT and LA coterminous
	Lewisham	E09000023	Not applicable - PCT and LA coterminous
	Merton	E09000024	Submitted LA responsible
	Newham	E09000025	Not applicable - PCT and LA coterminous
	Redbridge	E09000026	Not applicable - PCT and LA coterminous
	Richmond upon Thames	E09000027	Not applicable - PCT and LA coterminous
	Southwark	E09000028	Not applicable - PCT and LA coterminous
	Sutton	E09000029	Submitted LA responsible
	Tower Hamlets	E09000030	Not applicable - PCT and LA coterminous
	Waltham Forest	E09000031	Not applicable - PCT and LA coterminous
	Wandsworth	E09000032	Not applicable - PCT and LA coterminous
North East	County Durham	E06000047	Not applicable - PCT and LA coterminous
	Darlington	E06000005	Not applicable - PCT and LA coterminous
	Gateshead	E08000037	Not applicable - PCT and LA coterminous
	Hartlepool	E06000001	Not applicable - PCT and LA coterminous
	Middlesbrough	E06000002	Not applicable - PCT and LA coterminous
	Newcastle upon Tyne	E08000021	Not applicable - PCT and LA coterminous
	North Tyneside	E08000022	Not applicable - PCT and LA coterminous
	Northumberland	E06000057	Not applicable - PCT and LA coterminous
	Redcar and Cleveland	E06000003	Not applicable - PCT and LA coterminous
	South Tyneside	E08000023	Not applicable - PCT and LA coterminous
	Stockton-on-Tees	E06000004	Not applicable - PCT and LA coterminous
	Sunderland	E08000024	Not applicable - PCT and LA coterminous
North West	Blackburn with Darwen	E06000008	Not applicable - PCT and LA coterminous
	Blackpool	E06000009	Not applicable - PCT and LA coterminous
	Bolton	E08000001	Not applicable - PCT and LA coterminous
	Bury	E08000002	Not applicable - PCT and LA coterminous
	Cheshire East	E06000049	Estimated from PCT data
	Cheshire West and Chester	E06000050	Submitted LA responsible
	Cumbria	E10000006	Not applicable - PCT and LA coterminous
	Halton	E06000006	Estimated from PCT data
	Knowsley	E08000011	Not applicable - PCT and LA coterminous
	Lancashire	E10000017	Not applicable - 2 or more PCTs coterminous to LA
	Liverpool	E08000012	Not applicable - PCT and LA coterminous
	Manchester	E08000003	Not applicable - PCT and LA coterminous
	Oldham	E08000004	Not applicable - PCT and LA coterminous
	Rochdale	E08000005	Not applicable - PCT and LA coterminous
	Salford	E08000006	Not applicable - PCT and LA coterminous
	Sefton	E08000014	Not applicable - PCT and LA coterminous
	St Helens	E08000013	Estimated from PCT data

	Stockport	E08000007	Not applicable - PCT and LA coterminous
	Tameside	E08000008	Submitted LA responsible
	Trafford	E08000009	Not applicable - PCT and LA coterminous
	Warrington	E06000007	Not applicable - PCT and LA coterminous
	Wigan	E08000010	Not applicable - PCT and LA coterminous
	Wirral	E08000015	Not applicable - PCT and LA coterminous
South East	Bracknell Forest	E06000036	Estimated from PCT data
	Brighton and Hove	E06000043	Not applicable - PCT and LA coterminous
	Buckinghamshire	E10000002	Estimated from PCT data
	East Sussex	E10000011	Not applicable - 2 or more PCTs coterminous to LA
	Hampshire	E10000014	Not applicable - PCT and LA coterminous
	Isle of Wight	E06000046	Not applicable - PCT and LA coterminous
	Kent	E10000016	Not applicable - 2 or more PCTs coterminous to LA
	Medway	E06000035	Not applicable - PCT and LA coterminous
	Milton Keynes	E06000042	Estimated from PCT data
	Oxfordshire	E10000025	Estimated from PCT data
	Portsmouth	E06000044	Not applicable - PCT and LA coterminous
	Reading	E06000038	Estimated from PCT data
	Slough	E06000039	Estimated from PCT data
	Southampton	E06000045	Not applicable - PCT and LA coterminous
	Surrey	E10000030	Estimated from PCT data
	West Berkshire	E06000037	Estimated from PCT data
	West Sussex	E10000032	Not applicable - PCT and LA coterminous
	Windsor and Maidenhead	E06000040	Estimated from PCT data
	Wokingham	E06000041	Estimated from PCT data
South West	Bath and North East Somerset	E06000022	Not applicable - PCT and LA coterminous
	Bournemouth	E06000028	Estimated from PCT data
	Bristol	E06000023	Not applicable - PCT and LA coterminous
	Cornwall	E06000052	Submitted LA responsible
	Devon	E10000008	Not applicable - PCT and LA coterminous
	Dorset	E10000009	Not applicable - PCT and LA coterminous
	Gloucestershire	E10000013	Not applicable - PCT and LA coterminous
	Isle of Scilly	E06000053	Submitted LA responsible
	North Somerset	E06000024	Not applicable - PCT and LA coterminous
	Plymouth	E06000026	Not applicable - PCT and LA coterminous
	Poole	E06000029	Estimated from PCT data
	Somerset	E10000027	Not applicable - PCT and LA coterminous
	South Gloucestershire	E06000025	Not applicable - PCT and LA coterminous
	Swindon	E06000030	Submitted LA responsible
	Torbay	E06000027	Not applicable - PCT and LA coterminous
	Wiltshire	E06000054	Not applicable - PCT and LA coterminous
West Midlands	Birmingham	E08000025	Not applicable - 2 or more PCTs coterminous to LA

	County of Herefordshire	E06000019	Not applicable - PCT and LA coterminous
	Coventry	E08000026	Not applicable - PCT and LA coterminous
	Dudley	E08000027	Not applicable - PCT and LA coterminous
	Sandwell	E08000028	Not applicable - PCT and LA coterminous
	Shropshire	E06000051	Not applicable - PCT and LA coterminous
	Solihull	E08000029	Not applicable - PCT and LA coterminous
	Staffordshire	E10000028	Estimated from PCT data
	Stoke-on-Trent	E06000021	Estimated from PCT data
	Telford and Wrekin	E06000020	Not applicable - PCT and LA coterminous
	Walsall	E08000030	Not applicable - PCT and LA coterminous
	Warwickshire	E10000031	Not applicable - PCT and LA coterminous
	Wolverhampton	E08000031	Not applicable - PCT and LA coterminous
	Worcestershire	E10000034	Not applicable - PCT and LA coterminous
Yorkshire & the Humber	Barnsley	E08000016	Not applicable - PCT and LA coterminous
	Bradford	E08000032	Not applicable - PCT and LA coterminous
	Calderdale	E08000033	Not applicable - PCT and LA coterminous
	Doncaster	E08000017	Not applicable - PCT and LA coterminous
	East Riding of Yorkshire	E06000011	Not applicable - PCT and LA coterminous
	Kingston upon Hull	E06000010	Not applicable - PCT and LA coterminous
	Kirklees	E08000034	Not applicable - PCT and LA coterminous
	Leeds	E08000035	Not applicable - PCT and LA coterminous
	North East Lincolnshire	E06000012	Estimated from PCT data
	North Lincolnshire	E06000013	Estimated from PCT data
	North Yorkshire	E10000023	Estimated from PCT data
	Rotherham	E08000018	Not applicable - PCT and LA coterminous
	Sheffield	E08000019	Not applicable - PCT and LA coterminous
	Wakefield	E08000036	Not applicable - PCT and LA coterminous
	York	E06000014	Estimated from PCT data

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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 fourth 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 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 positive⁴⁹ 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 (2013-14).

These data have been reported by PHE (and formerly the Health Protection Agency) in previous years and statistics for the most recent year are available from PHE through the following link: <https://www.gov.uk/government/publications/hepatitis-b-annual-report-for-2013>

Hepatitis B data continue to be reported by PCT responsible population as it has not been possible to estimate figures for LAs or describe the quality/completeness of LA data with any accuracy due to the data quality issues described below.

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).

⁴⁹ 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

Data on infants born to hepatitis B positive mothers were supplied for a greater number of PCTs in 2013-14 than in previous years. In 2013-14, data could not be supplied for 23 Trusts on the 12 month cohort (34 Trusts in 2012-13) and for 25 Trusts on the 24 month cohort (33 in 2012-13). Despite improvements in data supply, some or all of the data required on infants born to hepatitis B positive mothers could not be supplied for a large number of PCTs and it would therefore be inadvisable to draw conclusions from these data. It should be noted that no national or regional data have been published for this reason. Further details of the numbers of PCTs for which data could not be supplied are given below:

The data quality issues identified in 2013-14 returns include:

- For the 12 month cohort, data were not available for 23 PCTs.
- For the 24 month cohort, data were not available for 25 PCTs.
- For the 12 month cohort, data were available for 2 PCTs on the number of children immunised or the number eligible but not both.
- For the 24 month cohort, data were available for 2 PCTs on the number of children immunised or the number eligible but not both.

It is hoped that Child Health Record Departments/Area Teams that have been unable to submit data for 2013-14 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 PCT (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 126 PCTs for which a full data set was submitted, in three cases some missing data was also reported.
- For the 24 month cohort, of the 124 PCTs for which a full data set was submitted, in three cases some missing data was also reported.

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.

NHS Immunisation Statistics, England 2013-14

Table A1: Experimental Statistics - Percentage of children immunised for Hepatitis B by their 1st birthday, by Primary Care Organisation, 2013-14

See *Important Note on Data Quality* below

percentages and numbers

		<div>Full data submitted</div> <div>Number immunised or eligible population only submitted</div> <div>Data not available</div>				
SHA & PCO Codes	ONS Code	Eligible population ⁽¹⁾	Number of children immunised ⁽²⁾	Coverage (%)	Data type	
England						
Q30 North East	E18000001					
5ND County Durham PCT	E16000085	0	0	-	Full data submitted	
5J9 Darlington PCT	E16000041	0	0	-	Full data submitted	
5KF Gateshead PCT	E16000050	0	0	-	Full data submitted	
5D9 Hartlepool PCT	E16000019	0	0	-	Full data submitted	
5KM Middlesbrough PCT	E16000053	8	7	87.5	Full data submitted	
5D7 Newcastle PCT	E16000017	22	22	100.0	Full data submitted	
5D8 North Tyneside PCT	E16000018	*	*	*	Full data submitted	
TAC Northumberland PCT	E17000001	*	*	*	Full data submitted	
5QR Redcar & Cleveland PCT	E16000146	*	*	*	Full data submitted	
5KG South Tyneside PCT	E16000051	0	0	-	Full data submitted	
5E1 Stockton-on-Tees Teaching PCT	E16000020	9	9	100.0	Full data submitted	
5KL Sunderland Teaching PCT	E16000052	*	*	*	Full data submitted	
Q31 North West	E18000002					
5HG Ashton, Leigh & Wigan PCT	E16000032	6	6	100.0	Full data submitted	
TAP Blackburn with Darwen Teaching PCT	E17000006	*	*	*	Full data submitted	
5HP Blackpool PCT	E16000033	-	-	-	Data not available	
5HQ Bolton PCT	E16000148	14	6	42.9	Full data submitted	
5JX Bury PCT	E16000043	66	9	13.6	Full data submitted	
5NP Central & Eastern Cheshire PCT	E16000095	5	5	100.0	Full data submitted	
5NG Central Lancashire PCT	E16000088	-	-	-	Data not available	
5NE Cumbria Teaching PCT	E16000086	0	0	-	Full data submitted	
5NH East Lancashire Teaching PCT ⁽³⁾	E16000089	*	*	*	Full data submitted	
5NM Halton & St Helens PCT	E16000093	*	*	*	Full data submitted	
5NQ Heywood, Middleton & Rochdale PCT	E16000096	61	27	44.3	Full data submitted	
5J4 Knowsley PCT	E16000038	*	*	*	Full data submitted	
5NL Liverpool PCT	E16000092	9	6	66.7	Full data submitted	
5NT Manchester PCT	E16000149	96	87	90.6	Full data submitted	
5NF North Lancashire Teaching PCT	E16000087	-	-	-	Data not available	
5J5 Oldham PCT	E16000039	50	50	100.0	Full data submitted	
5F5 Salford PCT	E16000025	4	4	100.0	Full data submitted	
5NJ Sefton PCT	E16000090	*	*	*	Full data submitted	
5F7 Stockport PCT ⁽³⁾	E16000026	0	0	-	Full data submitted	
5LH Tameside & Glossop PCT	E16000062	14	*	*	Full data submitted	
5NR Trafford PCT ⁽⁴⁾	E16000097	40	40	100.0	Full data submitted	
5J2 Warrington PCT	E16000037	-	-	-	Data not available	
5NN Western Cheshire PCT	E16000094	7	7	100.0	Full data submitted	
5NK Wirral PCT	E16000091	3	3	100.0	Full data submitted	
Q32 Yorkshire & the Humber	E18000003					
5JE Barnsley PCT	E16000042	-	-	-	Data not available	
5NY Bradford & Airedale Teaching PCT	E16000102	33	31	93.9	Full data submitted	
5J6 Calderdale PCT	E16000040	3	3	100.0	Full data submitted	
5N5 Doncaster PCT	E16000078	4	3	75.0	Full data submitted	
5NW East Riding of Yorkshire PCT	E16000100	-	13	-	Number immunised or eligible population only submitted	
5NX Hull Teaching PCT	E16000101	-	39	-	Number immunised or eligible population only submitted	
5N2 Kirklees PCT	E16000075	14	14	100.0	Full data submitted	
5N1 Leeds PCT	E16000074	57	56	98.2	Full data submitted	
TAN North East Lincolnshire PCT	E17000005	0	0	-	Full data submitted	
5EF North Lincolnshire PCT	E16000021	*	*	*	Full data submitted	
5NV North Yorkshire & York PCT	E16000099	8	7	87.5	Full data submitted	
5H8 Rotherham PCT	E16000031	-	-	-	Data not available	
5N4 Sheffield PCT	E16000077	32	31	96.9	Full data submitted	
5N3 Wakefield District PCT	E16000076	10	10	100.0	Full data submitted	
Q33 East Midlands	E18000004					
5ET Bassetlaw PCT	E16000023	-	-	-	Data not available	
5N7 Derby City PCT	E16000080	3	2	66.7	Full data submitted	
5N6 Derbyshire County PCT	E16000079	*	*	*	Full data submitted	
5PC Leicester City PCT	E16000113	34	16	47.1	Full data submitted	
5PA Leicestershire County & Rutland PCT	E16000112	22	11	50.0	Full data submitted	
5N9 Lincolnshire Teaching PCT	E16000082	-	-	-	Data not available	

NHS Immunisation Statistics, England 2013-14

Table A1: Experimental Statistics - Percentage of children immunised for Hepatitis B by their 1st birthday, by Primary Care Organisation, 2013-14

See *Important Note on Data Quality* below

percentages and numbers

		Full data submitted Number immunised or eligible population only submitted Data not available					
SHA & PCO Codes	ONS Code	Eligible population ⁽¹⁾	Number of children immunised ⁽²⁾	Coverage (%)	Data type		
5PD Northamptonshire Teaching PCT	E16000114	25	25	100.0	Full data submitted		
5EM Nottingham City PCT	E16000022	25	22	88.0	Full data submitted		
5N8 Nottinghamshire County Teaching PCT	E16000081	13	13	100.0	Full data submitted		
Q34 West Midlands	E18000005						
5PG Birmingham East & North PCT	E16000117	-	-	-	Data not available		
5MD Coventry Teaching PCT	E16000070	30	30	100.0	Full data submitted		
5PE Dudley PCT	E16000115	7	7	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	13	13	100.0	Full data submitted		
5M2 Shropshire County PCT	E16000065	*	*	*	Full data submitted		
5QW Solihull PCT	E16000151	-	-	-	Data not available		
5M1 South Birmingham PCT	E16000064	-	-	-	Data not available		
5PK South Staffordshire PCT	E16000120	11	11	100.0	Full data submitted		
5PJ Stoke-on-Trent PCT	E16000119	21	21	100.0	Full data submitted		
5MK Telford & Wrekin PCT	E16000071	*	*	*	Full data submitted		
5M3 Walsall Teaching PCT	E16000066	10	*	*	Full data submitted		
5PM Warwickshire PCT	E16000122	7	7	100.0	Full data submitted		
5MV Wolverhampton City PCT	E16000072	23	21	91.3	Full data submitted		
5PL Worcestershire PCT	E16000121	-	-	-	Data not available		
Q35 East of England	E18000006						
5P2 Bedfordshire PCT	E16000104	3	2	66.7	Full data submitted		
5PP Cambridgeshire PCT	E16000124	0	0	-	Full data submitted		
5PR Great Yarmouth & Waveney PCT	E16000126	6	6	100.0	Full data submitted		
5QV Hertfordshire PCT	E16000150	36	36	100.0	Full data submitted		
5GC Luton PCT	E16000029	25	25	100.0	Full data submitted		
5PX Mid Essex PCT	E16000130	5	5	100.0	Full data submitted		
5PQ Norfolk PCT	E16000125	14	14	100.0	Full data submitted		
5PW North East Essex PCT	E16000129	5	5	100.0	Full data submitted		
5PN Peterborough PCT	E16000123	19	12	63.2	Full data submitted		
5P1 South East Essex PCT	E16000103	*	*	*	Full data submitted		
5PY South West Essex PCT	E16000131	14	13	92.9	Full data submitted		
5PT Suffolk PCT	E16000127	8	8	100.0	Full data submitted		
5PV West Essex PCT	E16000128	9	6	66.7	Full data submitted		
Q36 London	E18000007						
5C2 Barking & Dagenham PCT	E16000009	50	47	94.0	Full data submitted		
5A9 Barnet PCT	E16000006	39	19	48.7	Full data submitted		
TAK Bexley PCT	E17000002	24	23	95.8	Full data submitted		
5K5 Brent Teaching PCT	E16000045	0	0	-	Full data submitted		
5A7 Bromley PCT	E16000004	8	7	87.5	Full data submitted		
5K7 Camden PCT	E16000047	17	6	35.3	Full data submitted		
5C3 City & Hackney Teaching PCT	E16000010	-	-	-	Data not available		
5K9 Croydon PCT	E16000049	77	72	93.5	Full data submitted		
5HX Ealing PCT	E16000035	23	20	87.0	Full data submitted		
5C1 Enfield PCT	E16000008	-	-	-	Data not available		
5A8 Greenwich Teaching PCT	E16000005	80	80	100.0	Full data submitted		
5H1 Hammersmith & Fulham PCT	E16000030	-	-	-	Data not available		
5C9 Haringey Teaching PCT	E16000013	80	76	95.0	Full data submitted		
5K6 Harrow PCT	E16000046	0	0	-	Full data submitted		
5A4 Havering PCT	E16000002	11	8	72.7	Full data submitted		
5AT Hillingdon PCT	E16000007	29	26	89.7	Full data submitted		
5HY Hounslow PCT	E16000036	19	17	89.5	Full data submitted		
5K8 Islington PCT	E16000048	-	-	-	Data not available		
5LA Kensington & Chelsea PCT	E16000056	-	-	-	Data not available		
5A5 Kingston PCT	E16000003	6	6	100.0	Full data submitted		
5LD Lambeth PCT	E16000058	15	15	100.0	Full data submitted		
5LF Lewisham PCT	E16000060	84	84	100.0	Full data submitted		
5C5 Newham PCT	E16000012	85	47	55.3	Full data submitted		
5NA Redbridge PCT	E16000083	33	24	72.7	Full data submitted		
5M6 Richmond & Twickenham PCT	E16000067	11	11	100.0	Full data submitted		
5LE Southwark PCT	E16000059	42	42	100.0	Full data submitted		

NHS Immunisation Statistics, England 2013-14

Table A1: Experimental Statistics - Percentage of children immunised for Hepatitis B by their 1st birthday, by Primary Care Organisation, 2013-14

See *Important Note on Data Quality* below

percentages and numbers

		<div><div>Full data submitted</div><div>Number immunised or eligible population only submitted</div><div>Data not available</div></div>				
SHA & PCO Codes	ONS Code	Eligible population ⁽¹⁾	Number of children immunised ⁽²⁾	Coverage (%)	Data type	
5M7	Sutton & Merton PCT	E16000068	31	28	90.3	Full data submitted
5C4	Tower Hamlets PCT	E16000011	44	43	97.7	Full data submitted
5NC	Waltham Forest PCT	E16000084	30	21	70.0	Full data submitted
5LG	Wandsworth PCT	E16000061	14	8	57.1	Full data submitted
5LC	Westminster PCT	E16000057	-	-	-	Data not available
Q37	South East Coast	E18000008				
5LQ	Brighton & Hove City PCT	E16000063	11	10	90.9	Full data submitted
5P7	East Sussex Downs & Weald PCT	E16000109	0	0	-	Full data submitted
5QA	Eastern & Coastal Kent PCT ⁽⁵⁾	E16000132	21	11	52.4	Full data submitted
5P8	Hastings & Rother PCT	E16000110	0	0	-	Full data submitted
5L3	Medway PCT ⁽⁵⁾	E16000055	11	7	63.6	Full data submitted
5P5	Surrey PCT	E16000107	22	20	90.9	Full data submitted
5P6	West Sussex PCT	E16000108	-	-	-	Data not available
5P9	West Kent PCT ⁽⁵⁾	E16000111	17	15	88.2	Full data submitted
Q38	South Central	E18000009				
5QG	Berkshire East PCT	E16000137	40	40	100.0	Full data submitted
5QF	Berkshire West PCT	E16000136	45	45	100.0	Full data submitted
5QD	Buckinghamshire PCT	E16000134	5	5	100.0	Full data submitted
5QC	Hampshire PCT	E16000133	-	-	-	Data not available
5QT	Isle of Wight NHS PCT	E16000147	0	0	-	Full data submitted
5CQ	Milton Keynes PCT	E16000016	18	18	100.0	Full data submitted
5QE	Oxfordshire PCT	E16000135	22	22	100.0	Full data submitted
5FE	Portsmouth City Teaching PCT	E16000027	8	7	87.5	Full data submitted
5L1	Southampton City PCT	E16000054	8	7	87.5	Full data submitted
Q39	South West	E18000010				
5FL	Bath & North East Somerset PCT	E16000028	5	5	100.0	Full data submitted
5QN	Bournemouth & Poole Teaching PCT	E16000143	3	*	*	Full data submitted
5QJ	Bristol PCT ⁽³⁾	E16000139	*	*	*	Full data submitted
5QP	Cornwall & Isles of Scilly PCT	E16000144	3	3	100.0	Full data submitted
5QQ	Devon PCT	E16000145	*	*	*	Full data submitted
5QM	Dorset PCT	E16000142	*	*	*	Full data submitted
5QH	Gloucestershire PCT	E16000138	11	10	90.9	Full data submitted
5M8	North Somerset PCT	E16000069	-	-	-	Data not available
5F1	Plymouth Teaching PCT	E16000024	5	4	80.0	Full data submitted
5QL	Somerset PCT	E16000141	8	4	50.0	Full data submitted
5A3	South Gloucestershire PCT	E16000001	-	-	-	Data not available
5K3	Swindon PCT	E16000044	7	7	100.0	Full data submitted
TAL	Torbay PCT	E17000003	0	0	-	Full data submitted
5QK	Wiltshire PCT	E16000140	10	8	80.0	Full data submitted

- Data not available

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

⁽¹⁾ Total number of children reaching their 1st birthday during the specified evaluation period with maternal Hep B positive status.

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

⁽³⁾ 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).

⁽⁴⁾ Suspected data quality issues have been reported for Trafford.

⁽⁵⁾ Trust has reported data quality issues associated with a new CHIS.

Important Note on Data Quality

These statistics are published as 'experimental statistics' as they are undergoing evaluation. The figures presented have been reported for Trusts through the COVER programme. Some or all of the data required on infants born to hepatitis B positive mothers could not be supplied for a large number of Trusts (see Annex A of NHS Immunisation Statistics, England, 2013-14 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 where data suppliers have been unable to submit data for 2013-14 they 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 2013-14

Table A2: Experimental Statistics - Percentage of children immunised for Hepatitis B by their 2nd birthday, by Primary Care Organisation, 2013-14

See *Important Note on Data Quality* below

percentages and numbers

SHA & PCO Codes		ONS Code	Eligible population ⁽¹⁾	Number of children immunised ⁽²⁾	Coverage (%)	Data type
Full data submitted						
Number immunised or eligible population only submitted						
Data not available						
England						
Q30	North East	E18000001				
5ND	County Durham PCT	E16000085	*	*	*	Full data submitted
5J9	Darlington PCT	E16000041	*	*	*	Full data submitted
5KF	Gateshead PCT	E16000050	0	0	-	Full data submitted
5D9	Hartlepool PCT	E16000019	0	0	-	Full data submitted
5KM	Middlesbrough PCT	E16000053	6	5	83.3	Full data submitted
5D7	Newcastle PCT	E16000017	14	14	100.0	Full data submitted
5D8	North Tyneside PCT	E16000018	0	0	-	Full data submitted
TAC	Northumberland PCT	E17000001	*	*	*	Full data submitted
5QR	Redcar & Cleveland PCT	E16000146	0	0	-	Full data submitted
5KG	South Tyneside PCT	E16000051	0	0	-	Full data submitted
5E1	Stockton-on-Tees Teaching PCT	E16000020	9	8	88.9	Full data submitted
5KL	Sunderland Teaching PCT	E16000052	9	9	100.0	Full data submitted
Q31	North West	E18000002				
5HG	Ashton, Leigh & Wigan PCT	E16000032	*	*	*	Full data submitted
TAP	Blackburn with Darwen Teaching PCT	E17000006	0	0	-	Full data submitted
5HP	Blackpool PCT	E16000033	-	-	-	Data not available
5HQ	Bolton PCT	E16000148	10	4	40.0	Full data submitted
5JX	Bury PCT	E16000043	73	7	9.6	Full data submitted
5NP	Central & Eastern Cheshire PCT	E16000095	8	8	100.0	Full data submitted
5NG	Central Lancashire PCT	E16000088	-	-	-	Data not available
5NE	Cumbria Teaching PCT	E16000086	*	*	*	Full data submitted
5NH	East Lancashire Teaching PCT ⁽³⁾	E16000089	0	0	-	Full data submitted
5NM	Haltom & St Helens PCT	E16000093	0	0	-	Full data submitted
5NQ	Heywood, Middleton & Rochdale PCT	E16000096	69	12	17.4	Full data submitted
5J4	Knowsley PCT	E16000038	-	-	-	Data not available
5NL	Liverpool PCT	E16000092	12	8	66.7	Full data submitted
5NT	Manchester PCT	E16000149	76	67	88.2	Full data submitted
5NF	North Lancashire Teaching PCT	E16000087	-	-	-	Data not available
5J5	Oldham PCT	E16000039	70	34	48.6	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 ⁽³⁾	E16000026	*	*	*	Full data submitted
5LH	Tameside & Glossop PCT	E16000062	14	*	*	Full data submitted
5NR	Trafford PCT ⁽⁴⁾	E16000097	48	48	100.0	Full data submitted
5J2	Warrington PCT	E16000037	-	-	-	Data not available
5NN	Western Cheshire PCT	E16000094	4	4	100.0	Full data submitted
5NK	Wirral PCT	E16000091	5	5	100.0	Full data submitted
Q32	Yorkshire & the Humber	E18000003				
5JE	Barnsley PCT	E16000042	-	-	-	Data not available
5NY	Bradford & Airedale Teaching PCT	E16000102	27	27	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	-	5	-	Number immunised or eligible population only submitted
5NX	Hull Teaching PCT	E16000101	-	16	-	Number immunised or eligible population only submitted
5N2	Kirklees PCT	E16000075	17	13	76.5	Full data submitted
5N1	Leeds PCT	E16000074	41	38	92.7	Full data submitted
TAN	North East Lincolnshire PCT	E17000005	0	0	-	Full data submitted
5EF	North Lincolnshire PCT	E16000021	0	0	-	Full data submitted
5NV	North Yorkshire & York PCT	E16000099	5	5	100.0	Full data submitted
5H8	Rotherham PCT	E16000031	-	-	-	Data not available
5N4	Sheffield PCT	E16000077	20	19	95.0	Full data submitted
5N3	Wakefield District PCT	E16000076	6	6	100.0	Full data submitted
Q33	East Midlands	E18000004				
5ET	Bassetlaw PCT	E16000023	-	-	-	Data not available
5N7	Derby City PCT	E16000080	4	4	100.0	Full data submitted
5N6	Derbyshire County PCT	E16000079	5	5	100.0	Full data submitted
5PC	Leicester City PCT	E16000113	18	16	88.9	Full data submitted
5PA	Leicestershire County & Rutland PCT	E16000112	11	10	90.9	Full data submitted

NHS Immunisation Statistics, England 2013-14

Table A2: Experimental Statistics - Percentage of children immunised for Hepatitis B by their 2nd birthday, by Primary Care Organisation, 2013-14

See *Important Note on Data Quality* below

percentages and numbers

		<div><div>Full data submitted</div><div>Number immunised or eligible population only submitted</div><div>Data not available</div></div>				
SHA & PCO Codes	ONS Code	Eligible population ⁽¹⁾	Number of children immunised ⁽²⁾	Coverage (%)	Data type	
5N9	Lincolnshire Teaching PCT	E16000082	-	-	-	Data not available
5PD	Northamptonshire Teaching PCT	E16000114	17	16	94.1	Full data submitted
5EM	Nottingham City PCT	E16000022	22	17	77.3	Full data submitted
5N8	Nottinghamshire County Teaching PCT	E16000081	5	4	80.0	Full data submitted
Q34	West Midlands	E18000005				
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	*	*	Full data submitted
5PH	North Staffordshire PCT	E16000118	*	*	*	Full data submitted
5PF	Sandwell PCT	E16000116	16	16	100.0	Full data submitted
5M2	Shropshire County PCT	E16000065	*	*	*	Full data submitted
5QW	Solihull PCT	E16000151	-	-	-	Data not available
5M1	South Birmingham PCT	E16000064	-	-	-	Data not available
5PK	South Staffordshire PCT	E16000120	8	7	87.5	Full data submitted
5PJ	Stoke-on-Trent PCT	E16000119	5	5	100.0	Full data submitted
5MK	Telford & Wrekin PCT	E16000071	*	*	*	Full data submitted
5M3	Walsall Teaching PCT	E16000066	*	*	*	Full data submitted
5PM	Warwickshire PCT	E16000122	11	11	100.0	Full data submitted
5MV	Wolverhampton City PCT	E16000072	8	5	62.5	Full data submitted
5PL	Worcestershire PCT	E16000121	-	-	-	Data not available
Q35	East of England	E18000006				
5P2	Bedfordshire PCT	E16000104	5	4	80.0	Full data submitted
5PP	Cambridgeshire PCT	E16000124	4	4	100.0	Full data submitted
5PR	Great Yarmouth & Waveney PCT	E16000126	*	*	*	Full data submitted
5QV	Hertfordshire PCT	E16000150	33	32	97.0	Full data submitted
5GC	Luton PCT	E16000029	16	14	87.5	Full data submitted
5PX	Mid Essex PCT	E16000130	9	6	66.7	Full data submitted
5PQ	Norfolk PCT	E16000125	11	11	100.0	Full data submitted
5PW	North East Essex PCT	E16000129	-	-	-	Data not available
5PN	Peterborough PCT	E16000123	11	11	100.0	Full data submitted
5P1	South East Essex PCT	E16000103	0	0	-	Full data submitted
5PY	South West Essex PCT	E16000131	9	9	100.0	Full data submitted
5PT	Suffolk PCT	E16000127	9	9	100.0	Full data submitted
5PV	West Essex PCT	E16000128	9	9	100.0	Full data submitted
Q36	London	E18000007				
5C2	Barking & Dagenham PCT	E16000009	49	41	83.7	Full data submitted
5A9	Barnet PCT	E16000006	19	11	57.9	Full data submitted
TAK	Bexley PCT	E17000002	22	21	95.5	Full data submitted
5K5	Brent Teaching PCT	E16000045	-	-	-	Full data submitted
5A7	Bromley PCT	E16000004	10	10	100.0	Full data submitted
5K7	Camden PCT	E16000047	14	5	35.7	Full data submitted
5C3	City & Hackney Teaching PCT	E16000010	-	-	-	Data not available
5K9	Croydon PCT	E16000049	75	67	89.3	Full data submitted
5HX	Ealing PCT	E16000035	27	22	81.5	Full data submitted
5C1	Enfield PCT	E16000008	-	-	-	Data not available
5A8	Greenwich Teaching PCT	E16000005	58	56	96.6	Full data submitted
5H1	Hammersmith & Fulham PCT	E16000030	-	-	-	Data not available
5C9	Haringey Teaching PCT	E16000013	90	75	83.3	Full data submitted
5K6	Harrow PCT	E16000046	11	*	*	Full data submitted
5A4	Havering PCT	E16000002	14	5	35.7	Full data submitted
5AT	Hillingdon PCT	E16000007	35	32	91.4	Full data submitted
5HY	Hounslow PCT	E16000036	25	17	68.0	Full data submitted
5K8	Islington PCT	E16000048	-	-	-	Data not available
5LA	Kensington & Chelsea PCT	E16000056	-	-	-	Data not available
5A5	Kingston PCT	E16000003	11	6	54.5	Full data submitted
5LD	Lambeth PCT	E16000058	17	17	100.0	Full data submitted
5LF	Lewisham PCT	E16000060	84	82	97.6	Full data submitted
5C5	Newham PCT	E16000012	64	38	59.4	Full data submitted
5NA	Redbridge PCT	E16000083	27	15	55.6	Full data submitted
5M6	Richmond & Twickenham PCT	E16000067	5	4	80.0	Full data submitted

NHS Immunisation Statistics, England 2013-14

Table A2: Experimental Statistics - Percentage of children immunised for Hepatitis B by their 2nd birthday, by Primary Care Organisation, 2013-14

See *Important Note on Data Quality* below

percentages and numbers

		<div>Full data submitted</div> <div>Number immunised or eligible population only submitted</div> <div>Data not available</div>				
SHA & PCO Codes	ONS Code	Eligible population ⁽¹⁾	Number of children immunised ⁽²⁾	Coverage (%)	Data type	
5LE	Southwark PCT	E16000059	42	39	92.9	Full data submitted
5M7	Sutton & Merton PCT	E16000068	25	23	92.0	Full data submitted
5C4	Tower Hamlets PCT	E16000011	25	24	96.0	Full data submitted
5NC	Waltham Forest PCT	E16000084	42	28	66.7	Full data submitted
5LG	Wandsworth PCT	E16000061	16	16	100.0	Full data submitted
5LC	Westminster PCT	E16000057	-	-	-	Data not available
Q37	South East Coast	E18000008				
5LQ	Brighton & Hove City PCT	E16000063	11	9	81.8	Full data submitted
5P7	East Sussex Downs & Weald PCT	E16000109	0	0	-	Full data submitted
5QA	Eastern & Coastal Kent PCT ⁽⁵⁾	E16000132	31	13	41.9	Full data submitted
5P8	Hastings & Rother PCT	E16000110	0	0	-	Full data submitted
5L3	Medway PCT ⁽⁵⁾	E16000055	8	5	62.5	Full data submitted
5P5	Surrey PCT	E16000107	12	9	75.0	Full data submitted
5P6	West Sussex PCT	E16000108	-	-	-	Data not available
5P9	West Kent PCT ⁽⁵⁾	E16000111	14	13	92.9	Full data submitted
Q38	South Central	E18000009				
5QG	Berkshire East PCT	E16000137	29	26	89.7	Full data submitted
5QF	Berkshire West PCT	E16000136	36	34	94.4	Full data submitted
5QD	Buckinghamshire PCT	E16000134	10	10	100.0	Full data submitted
5QC	Hampshire PCT	E16000133	-	-	-	Data not available
5QT	Isle of Wight NHS PCT	E16000147	0	0	-	Full data submitted
5CQ	Milton Keynes PCT	E16000016	29	26	89.7	Full data submitted
5QE	Oxfordshire PCT	E16000135	14	14	100.0	Full data submitted
5FE	Portsmouth City Teaching PCT	E16000027	11	10	90.9	Full data submitted
5L1	Southampton City PCT	E16000054	15	12	80.0	Full data submitted
Q39	South West	E18000010				
5FL	Bath & North East Somerset PCT	E16000028	*	*	*	Full data submitted
5QN	Bournemouth & Poole Teaching PCT	E16000143	*	*	*	Full data submitted
5QJ	Bristol PCT ⁽³⁾	E16000139	*	*	*	Full data submitted
5QP	Cornwall & Isles of Scilly PCT	E16000144	*	*	*	Full data submitted
5QQ	Devon PCT	E16000145	*	*	*	Full data submitted
5QM	Dorset PCT	E16000142	0	0	-	Full data submitted
5QH	Gloucestershire PCT	E16000138	8	6	75.0	Full data submitted
5M8	North Somerset PCT	E16000069	-	-	-	Data not available
5F1	Plymouth Teaching PCT	E16000024	3	*	*	Full data submitted
5QL	Somerset PCT	E16000141	3	3	100.0	Full data submitted
5A3	South Gloucestershire PCT	E16000001	-	-	-	Data not available
5K3	Swindon PCT	E16000044	5	5	100.0	Full data submitted
TAL	Torbay PCT	E17000003	0	0	-	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.

⁽¹⁾ Total number of children reaching their 2nd birthday during the specified evaluation period with maternal Hep B positive status.

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

⁽³⁾ 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).

⁽⁴⁾ Suspected data quality issues have been reported for Trafford.

⁽⁵⁾ Trust has reported data quality issues associated with a new CHIS.

Important Note on Data Quality

These statistics are published as 'experimental statistics' as they are undergoing evaluation. The figures presented have been reported for Trusts through the COVER programme. Some or all of the data required on infants born to hepatitis B positive mothers could not be supplied for a large number of Trusts (see Annex A of NHS Immunisation Statistics, England, 2013-14 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 where data suppliers have been unable to submit data for 2013-14 they 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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