



NHS Immunisation Statistics England 2010-11

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Executive Summary

This publication reports immunisation statistics for England for 2010-11. Most of the immunisation statistics relate to routine vaccinations which are offered to everyone in particular specified age groups.

Routine Childhood Immunisations

Due to data quality issues reported by some PCTs in recent years (e.g. where new Child Health Information Systems have been implemented), 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. While this issue will be more apparent at a local level, it will also have an impact on the national figures.

Reported coverage figures for all routine childhood vaccinations reported through the Cover of Vaccination Evaluated Rapidly (COVER) programme in 2010-11 showed an increase at national level. Most regions also reported increases in coverage for routine childhood vaccinations. Although London reported increases, coverage figures for this Strategic Health Authority (SHA) remain lower than for other regions.

In 2010-11, PCTs reported that 94.2% of children reaching their first birthday had completed primary immunisation courses against **Diphtheria, Tetanus, Polio, Pertussis and *Haemophilus influenzae* type b (DTaP/IPV/Hib)**. This compares with 93.6% in 2009-10. Coverage of the primary course DTaP/IPV/Hib vaccine is reported again at 24 months. For children reaching their second birthday, coverage in 2010-11 was 96.0%, exceeding the World Health Organization target of 95% coverage for the second successive year. Reported vaccinations for DTaP/IPV show that 85.9% of children in England had received their booster at five years of age.

After falling to a low of 79.9% in 2003-04, figures reported by PCTs show that coverage of the **Measles, Mumps and Rubella (MMR)** vaccine in England for children reaching their second birthday increased to 88.2% in 2009-10 and to 89.1% in 2010-11. However, despite the increases in recent years, MMR coverage is still lower than in the mid 1990s, when over 90% of children received the MMR vaccine, as well as lower than the World Health

Organization target of 'more than 95% coverage'. At a regional level, coverage was highest in West Midlands SHA (91.5%) and lowest in London SHA (83.8%).

Reported figures show that 84.2% of children in England had received their first and second dose of MMR vaccine (MMR2) at age five, an increase on last year's coverage which was 82.7%.

Comparison of national coverage in 2010-11 at five years shows that whilst 91.9% of children had received their first dose of MMR, only 84.2% had completed the recommended schedule of two doses by this age.

In 2010-11, 93.4% of children in England were reported to have completed primary immunisation courses against **Meningococcal group C (MenC)** by their first birthday. This compares to 92.7% in 2009-10.

PCTs reported that in 2010-11, 91.6% of children in England had received the combined ***Haemophilus influenzae type b*** and **Meningococcal group C (Hib/MenC)** booster as measured at two years. This compares with 90.0% in 2009-10, which was the second year of reporting for this combined vaccine.

Reported figures show that 93.6% of children in England had completed a primary immunisation course of **Pneumococcal Conjugate Vaccine (PCV)** at 12 months in 2010-11. This represents an increase from 2009-10 when coverage was 92.9%.

PCTs reported that in 2010-11, 89.3% of children in England had received the PCV booster as measured at 24 months. This compares with 87.6% in 2009-10, which was the second year of reporting for this booster vaccine.

Comparative data shows vaccination coverage in England to be below that in other UK countries.

Non-Routine Immunisations

Data quality issues (some associated with Child Health Information Systems) continue to affect the quality of information collected through the KC50 on **Tuberculosis** (Bacillus Calmette-Guerin (**BCG**)) vaccinations in some PCTs.

There were 225,316 BCG vaccinations in 2010-11 given to those in specified at-risk categories. This compares with 223,167 in 2009-10.

Adult Immunisations

A campaign to immunise persons aged 65 and over against **influenza (seasonal flu)** was introduced in 2000-01. Coverage for this age group in England was 72.8% in 2010-11, below the World Health Organization target of 75%, but an increase from the 72.4% recorded in 2009-10.

Introduction

Background

This publication reports immunisation statistics for England for 2010-11. Most of the immunisation statistics relate to routine vaccinations which are offered to everyone in particular specified age groups. However, this publication also covers some non-routine vaccinations which are targeted at particular groups within the population.

Routine Childhood Immunisations

Currently the World Health Organization (WHO) recommends that on a national basis at least 95% of children receive three primary doses of diphtheria, tetanus, polio and pertussis in the first year of life and more than 95% receive one dose of a measles, mumps and rubella vaccine by two years of age. The routine childhood immunisation programme for the UK includes these WHO immunisations as well as a number of others as defined by the Department of Health in 'Immunisation against Infectious Diseases – the Green Book'.¹ The schedule for the programme is shown in Table A below. Further details on the immunisation programme, which is continuously reviewed and updated, can be found at:

www.dh.gov.uk/en/Publichealth/Immunisation/

Table A: Routine Immunisations

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
Meningococcal group C (MenC)	1st dose: 3 months 2nd dose: 4 months	Primary course
Hib / MenC	Between 12 and 13 months	Booster
Measles/mumps/rubella (MMR)	Between 12 and 13 months	Primary course
Pneumococcal disease (PCV)	Between 12 and 13 months	Booster
Diphtheria, tetanus, pertussis, and polio (dTaP/IPV or DTaP/IPV)	3yrs/4 months to 5yrs	Booster: 3 yrs after completion of primary course
MMR second dose	3yrs/4 months to 5yrs	
Cervical cancer (HPV types 16 and 18)*	Girls aged 12-13 yrs	Primary course of 3 doses
Diphtheria, tetanus and polio (Td/IPV)	13 to 18yrs	Booster

* HPV Vaccination information is not included in this report. This is published separately and the 2009-10 publication on HPV can be found at:

http://www.dh.gov.uk/prod_consum_dh/groups/dh_digitalassets/documents/digitalasset/dh_123826.pdf

¹ Source: <http://www.dh.gov.uk/en/Publichealth/Immunisation/Greenbook/index.htm>

Non-Routine Immunisations

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

Table B: Non-Routine Immunisations

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

The aim of the UK 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':

http://www.dh.gov.uk/prod_consum_dh/groups/dh_digitalassets/@dh/@en/documents/digitalasset/dh_116577.pdf

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

Adult Immunisations

In 2010-11, seasonal flu vaccine was offered to all those aged 65 years and over, people with certain long-term medical conditions (for example, chronic respiratory and cardiac disease), front-line health and social care workers, pregnant women and those who work in close contact with poultry². Each year the composition of the seasonal flu vaccine is designed to protect against the influenza viruses that the World Health Organization decides are most likely to be circulating in the coming winter³. The World Health Organization

² NB: The Joint Committee on Vaccination and Immunisation (JCVI) has advised that there is no longer any benefit in continuing the routine flu vaccination of poultry workers beyond the 2010/11 season. Based on the advice of the JCVI, the seasonal flu vaccination programme for poultry workers is being discontinued.

³ Source :

http://www.dh.gov.uk/prod_consum_dh/groups/dh_digitalassets/@dh/@en/documents/digitalasset/dh_127082.pdf

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 2010-11 is available from the Department of Health:

http://www.dh.gov.uk/en/Publichealth/Immunisation/Keyvaccineinformation/DH_104070

Quality Statement

This Quality Statement presents information to aid interpretation of the data. A fuller Quality Statement is available on the publication webpage which can be accessed via the following link:

www.ic.nhs.uk/pubs/immstats1011

Introduction

This statistical publication has been in existence for a number of years and publications are available on the NHS IC and Department of Health websites dating back to 1997-98⁴. The bulletin was originally published by the Department of Health. With the establishment of the NHS IC, responsibility for the publication transferred to the NHS IC in 2005.

The report shows trends in vaccination coverage and where possible seeks to explain these. It focuses on England but includes national comparisons with other UK countries where these are available. Regional differences are also highlighted.

Data Sources

The information in this publication comes from three data sources as follows:

- 1) The Health Protection Agency (HPA) Health Protection Services (HPS) for information on childhood immunisation coverage at ages one, two and five. These aggregated data are collected through the UK Cover of Vaccination Evaluated Rapidly (COVER) programme from Child Health Information Systems (CHISs). In England, data are collected for PCTs using the COVER data collection form, attached as Appendix F.
- 2) The NHS Information Centre (NHS IC) for information about the BCG programme and reinforcing doses of diphtheria, tetanus and polio. These data are again aggregated and collected on the KC50 return from known Trusts providing immunisation services. Copies of the KC50 and guidance notes are attached as Appendices D and E.

⁴ Copies of previous editions published by the NHS IC can be accessed via the following link:

<http://www.ic.nhs.uk/statistics-and-data-collections/health-and-lifestyles/immunisation>

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

http://www.dh.gov.uk/en/Publicationsandstatistics/Statistics/StatisticalWorkAreas/Statisticalhealthcare/DH_4086491

3) The Department of Health (DH) for information regarding persons aged 65 and over immunised against seasonal flu. This information is collected from GPs through the Department of Health's ImmForm⁵ website. DH flu statistics are produced in conjunction with the HPA.

The NHS Data Model and Dictionary Service contains more information on the COVER and KC50 returns, including guidance on content, completion and definitions. Links to the returns are given below:

COVER

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

KC50

[http://www.datadictionary.nhs.uk/data_dictionary/messages/central_return_data_sets/data_sets/immunisation_programmes_activity_data_set\(kc50\)_fr.asp?shownav=1](http://www.datadictionary.nhs.uk/data_dictionary/messages/central_return_data_sets/data_sets/immunisation_programmes_activity_data_set(kc50)_fr.asp?shownav=1)

The data from each of these returns is 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 (HPA for COVER data, NHS IC Omnibus Team for KC50 and DH/HPA for Flu data). Further data validation and quality assurance processes are carried out by the NHS IC prior to publication.

The HPA 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.

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:

<http://www.dh.gov.uk/en/Publichealth/Immunisation/Immform/index.htm>

Relevance

All figures in this report are presented as simple counts or percentages (rounded to one decimal place). Coverage (defined below) is reported for the following vaccinations:

- Diphtheria, tetanus, pertussis, polio and *Haemophilus influenzae* type b
- Pneumococcal disease (PCV)
- Meningococcal group C (MenC)
- Hib/MenC booster
- Measles/mumps/rubella (MMR)
- Seasonal flu to those aged 65 and over

Coverage figures are not presented in this report for BCG (tuberculosis) and reinforcing doses of diphtheria, tetanus and polio (Td/IPV), but figures are presented on numbers vaccinated. See the section on Accuracy and Reliability below and Appendix B of this report for more information on BCG and Td/IPV vaccination data. A full list of all the tables in this report can be found on page 37.

Definitions

Coverage: Coverage is defined as the number of persons immunised as a proportion of the eligible population.

The formula for the calculation of coverage is as follows:

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

NB: 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).

Immunised: Where a primary course consists of more than one dose of vaccine, administered at set intervals, immunised means having had all doses required for a full primary course. However, for conjugate vaccines⁶ (i.e. Hib, MenC and PCV) the number of doses required to complete a course is age dependent.

Responsible Population (COVER): It should be noted that PCTs are requested to submit information on PCT responsible populations for the COVER collection, a definition of which can be found on the COVER data collection form (see Appendix F). PCT responsible populations are then used by the NHS IC to calculate vaccination coverage rates. The PCT responsible population is derived from the population registers held on CHISs and is different from the estimated resident population figures produced by the Office of National Statistics (ONS) for each PCT. It is also different from the registered population figures which are obtained from GP Systems (which by definition exclude unregistered children) and reflected in the Connecting for Health (CfH) “Exeter” payment system (NHAIS).

Accuracy and Reliability

These are established collections based on 100 per cent data, i.e. not a sample. For the COVER collection, submissions have been made by all eligible Trusts. For the KC50 collection, one Trust failed to submit data.

Data quality issues in recent years, many associated with Child Health Information Systems, have affected the quality of data from both the COVER and the KC50 collections. These issues are discussed in more detail in Appendix B of the report on Data Quality.

Changes were made to the KC50 data collection for 2010-11, making it mandatory for PCTs to submit data on the numbers of children aged 13-18 years eligible for reinforcing doses of diphtheria, tetanus and polio (Td/IPV). The changes made to the KC50 also required PCTs

⁶ A conjugate vaccine is a type of vaccine made from an antigen (e.g. bacterial sugar capsules) conjugated (i.e. joined) to a protein carrier which enhances the immune response in infants and young children. Conjugate vaccines in the childhood immunisation programme provide effective protection against infections such as Hib, Men C and pneumococcal disease.

to provide the Td/IPV data disaggregated into one year age bands. In previous years the provision of data on the eligible population and the age breakdown has not been mandatory. Unfortunately the quality of these data for 2010-11 was mixed and so the full data set has not been published in this report. The full dataset is, however, available on the publication web page via the following link.

www.ic.nhs.uk/pubs/immstats1011

Users are advised to read the KC50 Introductory Note that accompanies the data files as this details the quality issues identified in the dataset which should be borne in mind when using it.

Timeliness and Punctuality

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

A copy of last year's report can be found at: <http://www.ic.nhs.uk/statistics-and-data-collections/health-and-lifestyles/immunisation>

Accessibility and Clarity

Most data fields are published in the Data Tables as part of this main report which is available on the NHS IC Immunisation web pages – <http://www.ic.nhs.uk/statistics-and-data-collections/health-and-lifestyles/immunisation>

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 NHS IC cannot be disaggregated below Trust level.

Coherence and Comparability

Changes in the UK immunisation programme

Changes in the UK immunisation programme are reflected in the statistics reported in this bulletin. The most recent changes are as follows:

A revised immunisation schedule was introduced on 11 January 2011. The only change in the schedule since the 2009-10 publication of this report is that vaccines previously given separately at 12 months of age and 13 months of age (MMR, PCV and Hib/MenC) should be given at the same visit, between 12 and 13 months of age (i.e. within a month after their first birthday) to simplify the routine childhood immunisation schedule⁷.

Other recent changes include:

- Introduction of PCV in September 2006 which 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) were first published in 2007-08 as experimental statistics. Coverage data for the PCV booster was first published in 2008-09.
- A new programme for a combined Hib/MenC booster vaccine was also introduced in September 2006 for children at around 12 months of age. Vaccine coverage data for the Hib/MenC booster was first published in this bulletin in 2008-09 as experimental statistics.

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

Time series

The main data tables in the publication contain time series which enable examination of trends in vaccination coverage over a period of years. Throughout the report coverage statistics for 2010-11 are compared with the previous year.

⁷ 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

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, MMR1, MMR2 ⁸

Confidentiality, Transparency and Security

The standard NHS security and confidentiality policies have been applied in the production of these statistics. An annual risk assessment is undertaken prior to publication which addresses any potential issues around disclosure. Disclosure controls have been applied to Tables A1 and A2 of Annex A on Neonatal Hepatitis B. Disclosure controls have also been applied to Table 13a on BCG vaccinations. Details of the disclosure controls applied can be found in the footnotes to these tables.

Experimental Statistics

Neonatal Hepatitis B

Annual neonatal hepatitis B vaccine coverage data have previously been published by the HPA for those PCTs that were able to provide data and are available for the years 2006-07 to 2009-10⁹. For the first time in this year's NHS Immunisation Statistics, England report, neonatal hepatitis B coverage data reported through the COVER programme by PCTs are published in Annex A as 'experimental statistics'. They are published as experimental statistics as they are undergoing evaluation. There are a number of issues with the hepatitis B dataset which have either impacted on data quality or have raised potential concerns around the quality of the data and for these reasons no national or regional data has been published.

⁸ 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).

⁹ Available from <http://www.hpa.org.uk/Topics/InfectiousDiseases/InfectionsAZ/VaccineCoverageAndCOVER/>

It is hoped that Trusts that have been unable to submit data for 2010-11 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 NHS IC invites readers to comment on this publication, which will help inform the next report. Comments may be sent to enquires@ic.nhs.uk.

Changes to the Report

Three new tables have been added to the data tables section this year (Tables 10b, 11b and 12b). These report the numerators for Tables 10a, 11a and 12a (i.e. the numbers of children immunised by their 1st, 2nd and 5th birthdays). These tables include numerators at PCT, SHA and national level.

User Feedback

The NHS Information Centre welcomes feedback on all publications. If you wish to comment on this report a feedback form is available on the NHS IC website at:

www.ic.nhs.uk/pubs/immstats1011

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

Analysis and Commentary

Routine Childhood Immunisations

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

Due to data quality issues reported by some PCTs in recent years (e.g. where new CHISs have been implemented), 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. 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 B on Data Quality.

Overview

Reported coverage figures for all routine childhood vaccinations reported through the COVER programme in 2010-11 showed an increase at national level. Most regions also reported increases in coverage for routine childhood vaccinations. Although London reported increases, coverage figures for this Strategic Health Authority remain lower than for other regions.

Where PCTs reported a substantial change in coverage for one or more vaccines they were asked to give a reason(s) for this. PCTs reported a variety of reasons for increases in coverage including increased efforts to improve vaccination coverage, better performance, improved data collection and reporting and improvements in data quality.

Immunisations received by first and second birthday

Diphtheria, Tetanus, Polio, Pertussis 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, polio, pertussis 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 three years after completion of the primary course (Hib is boosted as part of the Hib/MenC vaccine given at 12 months).

Coverage at 12 months – In 2010-11, PCTs reported that in England 94.2% of children reaching their first birthday had completed primary immunisation courses against DTaP/IPV/Hib. This compares with 93.6% in 2009-10. Table C shows coverage of the DTaP/IPV/Hib vaccine since it was introduced in 2006-07.

Table C: DTaP/IPV/Hib coverage in England at 12 months¹⁰

Year	Coverage of DTaP/IPV/Hib at 12 months %
2006-07	91.1
2007-08	91.3
2008-09	92.0
2009-10	93.6
2010-11	94.2

Source: COVER. See also Table 1 in the Data Tables section.

Table D shows national and regional coverage of the vaccine over the last two years calculated from figures reported by PCTs. In 2010-11 most Strategic Health Authorities (SHAs) showed an increase in coverage of DTaP/IPV/Hib at 12 months. Coverage was highest in North East SHA (95.9%) and lowest in London SHA (90.7%).

¹⁰ Due to data quality issues over recent years (mainly associated with newly implemented CHISs), 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 B for more details.

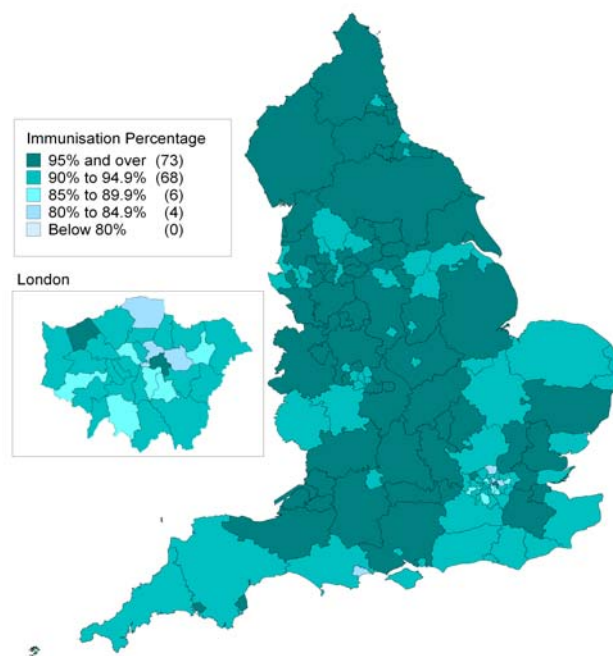
Table D: DTaP/IPV/Hib coverage in England at 12 months by SHA

SHA	Coverage of DTaP/IPV/Hib at 12 months (%)	
	2009-10	2010-11
England	93.6	94.2
North East	95.7	95.9
North West	94.7	95.1
Yorkshire & Humber	94.8	95.5
East Midlands	95.0	95.4
West Midlands	95.0	94.8
East of England	94.8	94.8
London	88.7	90.7
South East Coast	92.8	93.2
South Central	95.4	95.7
South West	95.1	94.6

Source: COVER. See also Table 10 in the Data Tables section.

At a local level (see Figure 1), 141 PCTs reported coverage at 12 months of 90% or over. Of these 73 had coverage levels of 95% and above (this compares with 69 PCTs in 2009-10). Only 10 PCTs reported coverage of less than 90%, 9 of which were in London SHA.

Figure 1: Coverage of DTaP/IPV/Hib in England at 12 months by PCT, 2010-11



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Source: COVER. See also Table 10a in the Data Tables section.

NB: PCT coverage figures have been rounded to one decimal place.

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

Coverage at 24 months – Coverage of three doses of the combined DTaP/IPV/Hib vaccine is reported again at 24 months to monitor any improvement in the proportion of children completing their primary course after the first birthday. For children reaching their second birthday, coverage for completed courses of DTaP/IPV/Hib vaccine in 2010-11 was 96.0% (see Table E), exceeding the World Health Organization target of 95% coverage for the second successive year. When coverage for this cohort was measured at 12 months of age in 2009-10, only 93.6% had been immunised (see Table C).

Table E shows national and regional coverage of the vaccine over the last two years calculated from figures reported by PCTs. Coverage figures for nine out of ten SHAs were above 95% in 2010-11. Coverage was highest in North East SHA (97.4%) and lowest in London (92.9%).

Table E: DTaP/IPV/Hib coverage in England at 24 months by SHA

SHA	Coverage of DTaP/IPV/Hib at 24 months	
	2009-10 %	2010-11 %
England	95.3	96.0
North East	96.9	97.4
North West	96.6	96.8
Yorkshire & Humber	96.3	96.8
East Midlands	96.6	97.1
West Midlands	96.8	97.3
East of England	95.8	96.3
London	90.8	92.9
South East Coast	94.8	95.1
South Central	96.7	97.0
South West	96.6	96.7

Source: COVER. See also Table 11 in the Data Tables section.

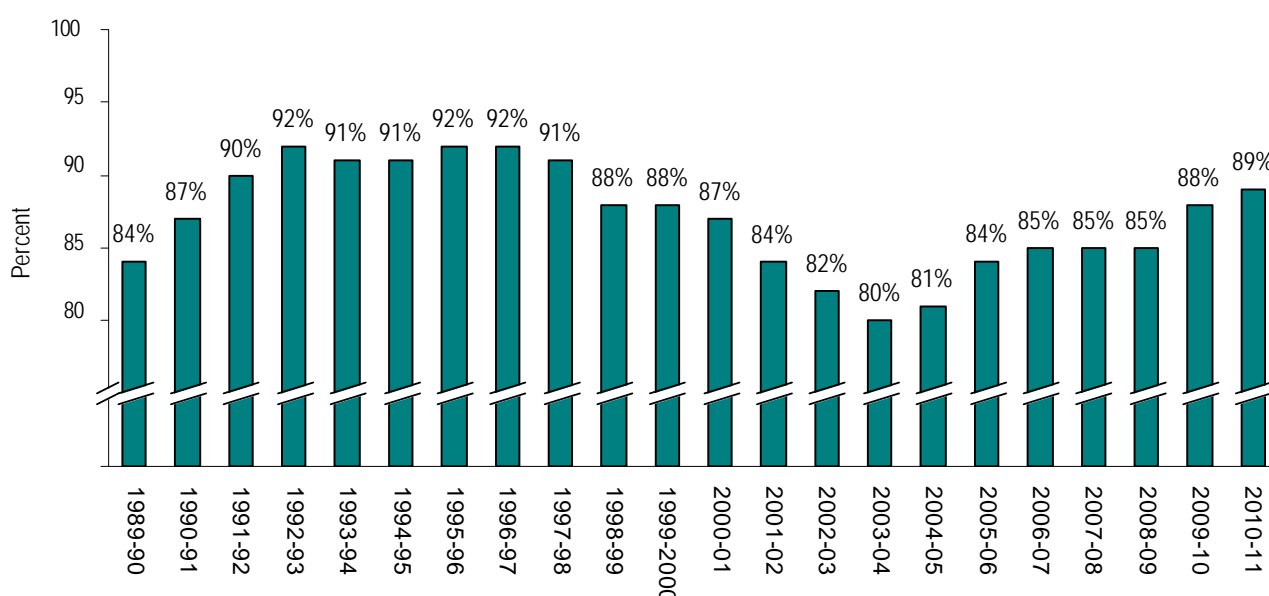
For a more detailed breakdown of the statistics in this section by PCT, see Table 11a in Data Tables.

Measles-Mumps-Rubella (MMR) vaccine

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

After falling to a low of 79.9% in 2003-04, figures reported by PCTs show that coverage of MMR vaccine in England for children reaching their second birthday increased to 88.2% in 2009-10 and to 89.1% in 2010-11. The increase in 2009-10 is likely to reflect a number of different factors, including the MMR catch-up campaign in 2008-09. However, despite the increases in recent years, MMR coverage is still lower than in the mid 1990s (when over 90% of children received the MMR vaccine) as well as lower than the World Health Organization target of 'more than 95% coverage'. See Figure 2 below.

Figure 2: MMR coverage in England at 24 months by year, 1989-90 to 2010-11



Source: COVER. See also Table 9 in the Data Tables section.

NB: The MMR vaccine was introduced in 1988 when it replaced the single measles vaccine. Coverage figures have been rounded to whole numbers.

Table F shows national and regional coverage of the vaccine over the last two years calculated from figures reported by PCTs. Six of the SHAs had coverage levels of over 90% in 2010-11 – four exceeded this level in 2009-10. Coverage was highest in West Midlands SHA (91.5%) and lowest in London SHA (83.8%).

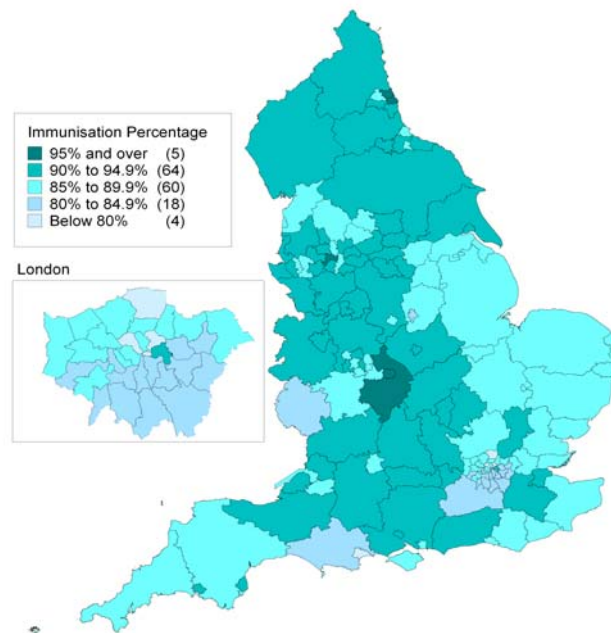
Table F: MMR1 coverage in England at 24 months by SHA

SHA	Coverage of MMR1 at 24 months	
	2009-10 %	2010-11 %
England	88.2	89.1
North East	91.1	91.4
North West	91.1	91.2
Yorkshire & Humber	89.2	90.7
East Midlands	89.7	90.6
West Midlands	90.5	91.5
East of England	87.3	88.7
London	81.9	83.8
South East Coast	87.5	88.3
South Central	91.4	91.3
South West	89.3	89.6

Source: COVER. See also Table 11 in the Data Tables section.

Coverage of MMR1 at 24 months at PCT level is shown in Figure 3 and highlights the lower levels of immunisation in many London PCTs. At a local level, 69 PCTs reported vaccination figures indicating coverage of 90% or above. 82 PCTs reported figures indicating coverage below 90% and of these four had coverage levels of less than 80%.

Figure 3: MMR1 coverage in England at 24 months by PCT, 2010-11



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Source: COVER. See also Table 11a in the Data Tables section.

NB: PCT coverage figures have been rounded to one decimal place.

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

Meningococcal group C (MenC) vaccine

In 2010-11, 93.4% of children in England were reported to have completed primary immunisation courses against MenC by their first birthday. This compares to 92.7% in 2009-10 (see Table G).

Table G: Coverage of MenC in England at 12 months¹¹

Coverage of MenC at 12 months	
Year	%
2006-07	91.0
2007-08	90.3
2008-09	91.2
2009-10	92.7
2010-11	93.4

Source: COVER. See also Table 1 in the Data Tables section.

Table H shows coverage of MenC vaccine at 12 months for SHAs. Coverage in eight SHAs in 2010-11 showed an increase on the previous year. Most regions had coverage of over 90% in 2010-11. Coverage was highest in North East SHA (95.4%) and lowest in London SHA (89.3%).

¹¹ Due to data quality issues over recent years (mainly associated with newly implemented CHISs), 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 B for more details.

Table H: MenC coverage in England by SHA at 12 months

SHA	Coverage of MenC at 12 months	
	2009-10 %	2010-11 %
England	92.7	93.4
North East	95.1	95.4
North West	94.1	94.5
Yorkshire & Humber	93.8	94.5
East Midlands	94.4	94.7
West Midlands	94.7	94.5
East of England	94.2	94.3
London	86.5	89.3
South East Coast	92.3	92.6
South Central	94.3	94.9
South West	94.7	94.2

Source: COVER. See also Table 10 in the Data Tables section.

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

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. PCTs reported that in 2010-11, 91.6% of children in England had received the combined Hib/MenC booster as measured at two years. This compares with 90.0% in 2009-10, which was the second year of reporting for this combined vaccine. Coverage by SHA is shown in Table I.

Table I: Hib/Men C coverage in England at 24 months by SHA

SHA	Coverage of Hib/MenC at 24 months	
	2009-10 %	2010-11 %
England	90.0	91.6
North East	94.1	94.6
North West	92.2	93.3
Yorkshire & Humber	93.0	94.2
East Midlands	92.6	93.9
West Midlands	93.0	93.6
East of England	92.7	93.4
London	81.9	84.9
South East Coast	85.7	90.6
South Central	92.3	92.8
South West	91.5	92.0

Source: COVER. See also Table 11 in the Data Tables section.

Coverage was highest in the North East SHA (94.6%) and lowest in London SHA (84.9%). For a more detailed breakdown of the statistics in this section by PCT, see Table 11a in the Data Tables.

Pneumococcal Conjugate Vaccine (PCV) vaccine

PCV vaccine was introduced into the routine immunisation programme in September 2006 and is offered at two and four months of age with a booster dose at 12 to 13 months. Table J shows coverage of two doses at 12 months since 2007-08. Reported figures show that 93.6% of children in England had completed a primary immunisation course of PCV at 12 months in 2010-11. This represents an increase from 2009-10 when coverage was 92.9%.

Table J: PCV coverage in England at 12 months¹²

Year	Coverage of PCV at 12 months
	%
2007-08	83.7
2008-09	91.3
2009-10	92.9
2010-11	93.6

Source: COVER. See also Table 1 in the Data Tables section.

Coverage by SHA is shown in Table K. Coverage was highest in North East SHA (95.5%) and lowest in London (89.6%).

¹² Due to data quality issues over recent years (mainly associated with newly implemented CHISs), 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 B for more details.

Table K: PCV coverage in England at 12 months by SHA

SHA	Coverage of PCV at 12 months	
	2009-10 %	2010-11 %
England	92.9	93.6
North East	95.2	95.5
North West	94.2	94.7
Yorkshire & Humber	94.0	94.7
East Midlands	94.5	95.0
West Midlands	94.8	94.4
East of England	94.4	94.4
London	86.5	89.6
South East Coast	92.1	92.7
South Central	95.4	95.2
South West	95.0	94.5

Source: COVER. See also Table 10 in the Data Tables section.

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

PCTs reported that in 2010-11, 89.3% of children in England had received the PCV booster as measured at 24 months. This compares with 87.6% in 2009-10, which was the second year of reporting for this booster vaccine (See Table L).

Table L: PCV coverage in England at 24 months¹³

Year	Coverage of PCV at 24 months
	%
2008-09	81.5
2009-10	87.6
2010-11	89.3

Source: COVER. See also Table 2 in the Data Tables section.

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

¹³ Due to data quality issues over recent years (mainly associated with newly implemented CHISs), 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 B for more details.

How coverage in England at 12 and 24 months compares with other UK countries

The COVER programme also collects equivalent coverage data from Wales, Scotland and Northern Ireland. UK vaccine coverage statistics are published (by country) in the quarterly COVER report in the *Health Protection Report* on the HPA website.¹⁴

Table M shows coverage in England to be below that in other UK countries.

Table M: Completed immunisations (all antigens) by 12 months and 24 months in the UK by country: 2010-11

Country	Coverage at 12 months			Coverage at 24 months			
	%			%			
	DTaP/IPV/Hib	Men C	PCV	DTaP/IPV/Hib	Hib/Men C booster	PCV booster	MMR1
United Kingdom	94.5	93.8	94.1	96.3	91.9	89.8	89.7
England	94.2	93.4	93.6	96.0	91.6	89.3	89.1
Northern Ireland	97.5	97.2	97.3	98.8	95.0	92.8	92.9
Scotland	97.0	96.5	97.0	98.1	93.9	93.4	93.2
Wales	96.0	95.4	95.7	97.4	93.3	91.0	91.5

Source: COVER. See also Tables 5a and 5b in the Data Tables section.

¹⁴ http://www.hpa.org.uk/web/HPAweb&HPAwebStandard/HPAweb_C/1195733757253. This report also publishes coverage statistics for Strategic Health Authorities. Annual country level data are also published by the responsible organisation within Scotland (see <http://www.isdscotland.org/Health-Topics/Child-Health/Immunisation/>) and Wales (see <http://www.wales.nhs.uk/sites3/page.cfm?orgid=457&pid=27777>)

Immunisations by age five

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

Reported vaccinations for DTaP/IPV indicate that 85.9% of children in England had received their booster at five years of age. This compares with 84.8% in 2009-10. Table N shows coverage of this vaccine over the last four years calculated from figures reported by PCTs.

Table N: Coverage of DTaP/IPV booster in England at 5 years¹⁵

Year	Coverage of DTaP/IPV Booster at 5 years (%)
2006-07	79.3
2007-08	78.6
2008-09	80.1
2009-10	84.8
2010-11	85.9

Source: COVER. See also Table 3 in the Data Tables Section.

Table O shows DTaP/IPV coverage at SHA level. Coverage was highest in North East SHA (90.5%) and lowest in London (74.7%).

Table O: Coverage of DTaP/IPV booster in England at 5 Years by SHA

SHA	Coverage of DTaP/IPV booster at 5 years	
	2009-10 %	2010-11 %
England	84.8	85.9
North East	91.2	90.5
North West	87.9	88.2
Yorkshire & Humber	85.9	88.0
East Midlands	86.8	88.9
West Midlands	90.1	90.3
East of England	86.1	87.2
London	71.8	74.7
South East Coast	85.1	84.4
South Central	88.3	89.6
South West	88.7	89.1

Source: COVER. See also Table 12 in the Data Tables section.

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

¹⁵ Due to data quality issues over recent years (mainly associated with newly implemented CHISs), 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 B for more details.

Measles-Mumps-Rubella (MMR) vaccine

Reported figures show that 84.2% of children in England had received their first and second dose of MMR vaccine (MMR2) at age five, an increase on last year's coverage which was 82.7%. Table P shows coverage of MMR2 at age 5 over the last 5 years.

Table P: Coverage of MMR2 (both doses) in England at 5 years¹⁶

Year	Coverage of MMR2 at 5 years %
2006-07	72.8
2007-08	74.6
2008-09	78.0
2009-10	82.7
2010-11	84.2

Source: COVER. See also Table 3 in the Data Tables section.

Table Q shows the percentage of children who were reported to have received both doses of MMR at age 5 by SHA.

Table Q: MMR2 coverage in England at 5 yrs by SHA

SHA	Coverage at 5 years	
	First and second dose (MMR2)	
	2009-10 %	2010-11 %
England	82.7	84.2
North East	89.0	88.7
North West	85.8	86.4
Yorkshire & Humber	85.1	87.0
East Midlands	85.6	86.7
West Midlands	86.8	87.4
East of England	83.4	84.5
London	72.2	76.6
South East Coast	80.8	80.9
South Central	84.3	86.8
South West	85.0	85.3

Source: COVER. See also Table 12 in the Data Tables section.

¹⁶ Due to data quality issues over recent years (mainly associated with newly implemented CHISs), 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 B for more details.

Comparison of national coverage in 2010-11 at age five shows that whilst 91.9% of children had received their first dose of MMR, only 84.2% completed the recommended schedule of two doses by this age. This difference is also evident at SHA level (see Table R).

Table R: MMR1 and MMR2 coverage in England at 5 yrs by SHA

SHA	Coverage at 5 years	
	First dose (MMR1) 2010-11 %	First and second dose (MMR2) 2010-11 %
England	91.9	84.2
North East	94.4	88.7
North West	94.3	86.4
Yorkshire & Humber	93.6	87.0
East Midlands	93.6	86.7
West Midlands	94.0	87.4
East of England	89.6	84.5
London	88.2	76.6
South East Coast	89.0	80.9
South Central	93.6	86.8
South West	92.9	85.3

Source: COVER. See also Table 12 in the Data Tables section.

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

How coverage in England at 5 years compares with other UK countries

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

Table S shows vaccination coverage in England at 5 years to be below that in other UK countries for all vaccines.

Table S: Completed immunisations (all antigens) by 5 years in the UK by country, 2010-11

Country	Coverage at 5 Years		
	DTaP/IPV	MMR1 First dose %	MMR2 First and second dose %
United Kingdom	86.8	92.5	85.0
England	85.9	91.9	84.2
Northern Ireland	92.9	96.7	91.3
Scotland	92.0	96.1	89.9
Wales	90.1	94.4	86.9

Source: COVER. See also Table 5c in the Data Tables section

Immunisations at age 12+

Diphtheria, Tetanus and Polio (Td/IPV) – Reinforcing doses given to school leavers

Data quality issues (some associated with CHISs), continue to affect the Td/IPV data collected through the KC50 return. For more information, see Appendix B on Data Quality.

446,449 children (aged 13-18) were reported as having received reinforcing doses of Diphtheria, Tetanus and Polio in 2010-11. This figure may to be under-reported due to data quality issues as previously noted. Table T shows the number of children reported to have received reinforcing doses of Td/IPV by SHA.

Table T: Number of children receiving reinforcing doses of Td/IPV by SHA, 2010-11¹⁷

SHA	Number of children
England	446,449
North East	24,305
North West	67,944
Yorkshire & Humber	54,006
East Midlands	41,800
West Midlands	41,170
East of England	47,752
London	53,009
South East Coast	36,248
South Central	42,553
South West	37,662

Source: KC50. The NHS Information Centre. See also Table 13 in the Data Tables section.

For a more detailed breakdown of the statistics in this section, see Table 13a in Data Tables.

Human Papillomavirus (HPV)

For information on HPV vaccination coverage, please see:

http://www.dh.gov.uk/prod_consum_dh/groups/dh_digitalassets/documents/digitalasset/dh_123826.pdf

¹⁷ For more information on the data quality issues surrounding the KC50 return please see the section on Data Quality in Appendix B.

Non-routine Immunisations

Data quality issues (some associated with Child Health Information Systems) continue to affect the quality of data collected through the KC50 on Tuberculosis (BCG) vaccinations in some PCTs. For more information, see Appendix B on Data Quality.

Tuberculosis (BCG Vaccine)

The substantial decline in the reported number of BCG vaccinations in 2005-06 (see Table U) is due to the introduction of the new BCG vaccination programme from September 2005 which replaced the programme delivered through schools with a more targeted vaccination programme.

Table U: Number of BCG vaccinations in England by year¹⁸

Year	Number of BCG Vaccinations
2004-05	628,339
2005-06	155,582
2006-07	171,988
2007-08	217,294
2008-09	239,186
2009-10	223,167
2010-11	225,316

Source: KC50. The NHS Information Centre. See Table 7 in the Data Table section.

There were 225,316 BCG vaccinations in 2010-11 given to those in specified at-risk categories. This compares with 223,167 in 2009-10. Table V shows the number of BCG vaccinations given in 2010-11 by age.

Table V: Number of BCG vaccinations in England by age, 2010-11

Age BCG Vaccination given	2009-10	2010-11
Age under 1	155,611	153,253
Aged 1 and over	67,556	72,063
All ages	223,167	225,316

Source: KC50. The NHS Information Centre. See Table 13a in the Data Table section.

Babies under the age of one accounted for more than two thirds of the BCG vaccinations given (153,253).

¹⁸ For more information on the data quality issues surrounding the KC50 return please see the section on Data Quality in Appendix B.

Table W shows the number of BCG vaccinations given in 2010-11 by SHA.

Table W: Number of BCG vaccinations in England by SHA, 2010-11

SHA	Number of BCG vaccinations
England	225,316
North East	2,470
North West	15,985
Yorkshire & Humber	13,025
East Midlands	7,285
West Midlands	17,155
East of England	11,805
London	132,695
South East Coast	6,727
South Central	14,085
South West	4,085

Source: KC50. The NHS Information Centre. See also Table 13 in the Data Table section.

NB: Figures for most SHAs have been rounded to the nearest 5 due to potential disclosure issues associated with small numbers in Table 13a of the Data Tables.

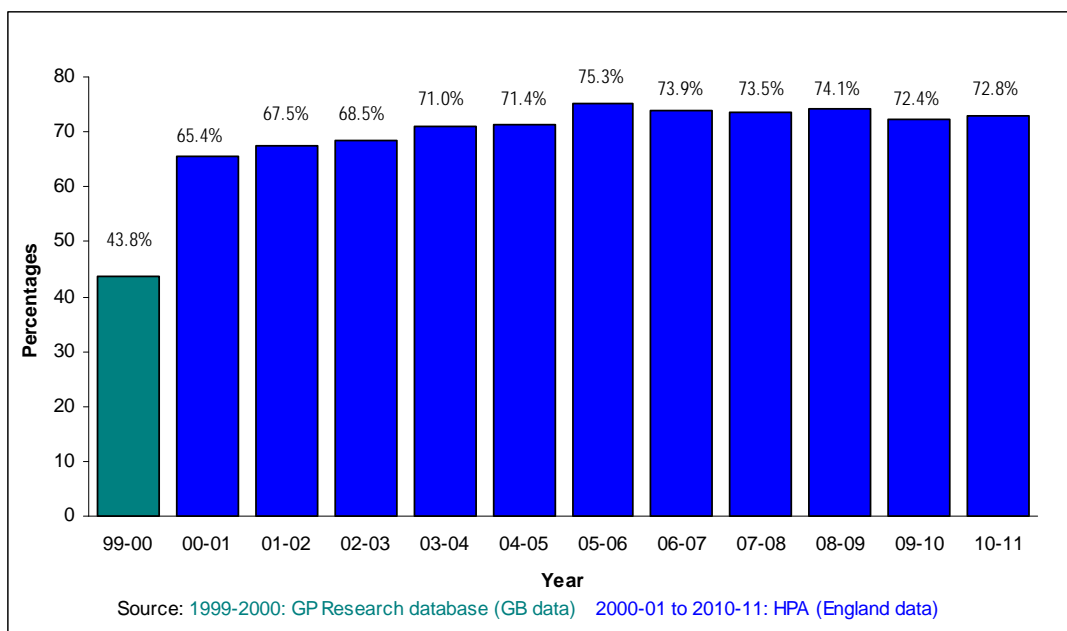
For a more detailed breakdown of the statistics in this section, see Table 13a in Data Tables.

Adult 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 72.8% in 2010-11, below the World Health Organization target of 75% but an increase from the 72.4% recorded for seasonal influenza vaccine in 2009-10 (see Figure 4).

Figure 4: Influenza vaccine coverage in persons aged 65 and over by year



Source: Department of Health

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

Table X shows the percentage of persons aged 65 and over immunised against influenza by SHA. Coverage increased in most SHAs in 2010-11 when compared with the previous year. Coverage is highest in North West SHA (74.6%) and lowest in South East Coast SHA (71.1%).

Table X: Percentage of persons aged 65 and over immunised against influenza by SHA

SHA	Coverage	
	2009-10 %	2010-11 %
England	72.4	72.8
North East	73.9	74.5
North West	73.4	74.6
Yorks & Humber	73.4	73.4
East Midlands	72.7	72.9
West Midlands	71.5	71.3
East of England	72.8	73.0
London	70.9	71.4
South East Coast	70.1	71.1
South Central	72.9	73.6
South West	72.9	73.0

Source: Department of Health. See Table 14 in the Data Tables section.

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

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Table 1: Completed primary courses: percentage of children immunised by their first birthday, 1997-98 to 2010-11

England		percentages						
Year of 1st birthday	Diphtheria Tetanus Polio Pertussis Hib (DTaP/IPV/Hib)	Diphtheria	Tetanus	Polio	Pertussis (Whooping Cough)	Haemophilus Influenzae b (Hib)	MenC	Pneumococcal Disease (PCV)
1997-98	.	92.5	92.5	92.5	91.4	92.2	.	.
1998-99	.	92.0	92.0	92.0	91.1	91.7	.	.
1999-2000	.	92.0	92.0	92.0	91.2	91.8	.	.
2000-01	.	91.2	91.0	91.1	90.5	90.9	.	.
2001-02	.	90.7	90.7	90.5	90.2	90.5	89.1	.
2002-03	.	90.9	90.9	90.8	90.5	90.7	90.0	.
2003-04	.	90.9	90.9	90.9	90.6	90.8	90.2	.
2004-05	.	90.1	90.1	90.0	89.9	89.9	89.6	.
2005-06 ⁽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 ⁽⁵⁾	92.0	.	.	.	.	.	91.2	91.3
2009-10 ⁽⁶⁾	93.6	.	.	.	.	.	92.7	92.9
2010-11 ⁽⁷⁾	94.2	.	.	.	.	.	93.4	93.6

Table 2: Completed primary courses: percentage of children immunised by their second birthday, 1997-98 to 2010-11

England		percentages								
Year of 2nd birthday	Diphtheria Tetanus Polio Pertussis Hib (DTaP/IPV/Hib)	Diphtheria	Tetanus	Polio	Pertussis (Whooping Cough)	Haemophilus Influenzae b (Hib)	Measles Mumps Rubella (MMR)	MenC	Hib/MenC	Pneumococcal Disease (PCV)
1997-98	.	95.5	95.6	95.5	94.2	95.1	90.8	.	.	.
1998-99	.	95.2	95.3	95.2	94.1	94.9	88.3	.	.	.
1999-2000	.	94.8	94.9	94.8	93.8	94.4	87.6	.	.	.
2000-01	.	94.5	94.5	94.5	93.6	94.1	87.4	.	.	.
2001-02	.	93.8	93.8	93.7	93.0	93.3	84.1	85.0	.	.
2002-03	.	93.7	93.6	93.4	93.1	93.3	81.8	92.0	.	.
2003-04	.	93.7	93.7	93.7	93.3	93.4	79.9	92.7	.	.
2004-05	.	93.5	93.5	93.4	93.1	93.3	80.9	92.8	.	.
2005-06 ⁽¹⁾	.	94.0	93.9	93.9	93.7	93.7	84.1	93.3	.	.
2006-07 ⁽²⁾	93.4	.	.	.	.	.	85.2	93.3	.	.
2007-08 ⁽³⁾	93.6	.	.	.	.	.	84.6	93.2	.	.
2008-09 ⁽⁵⁾	93.9	.	.	.	.	.	84.9	91.9	85.4	81.5
2009-10 ⁽⁶⁾	95.3	.	.	.	.	.	88.2	94.2	90.0	87.6
2010-11 ⁽⁷⁾	96.0	.	.	.	.	.	89.1	94.8	91.6	89.3

Table 3: Completed primary courses and boosters: percentage of children immunised by their fifth birthday, 1999-2000 to 2010-11

England		percentages						
Year of 5th birthday	Diphtheria, Tetanus, Polio		Diphtheria Tetanus Polio Pertussis	Pertussis	Hib	MMR	First and second dose	
	Primary	Primary and booster	Booster	Primary	Primary	First dose		
	1999-2000	94.0	82.0	.	93.0	93.0		93.0	76.0
2000-01	94.0	80.0	.	92.0	93.0	92.0	75.0	
2001-02	94.0	81.0	.	93.0	93.0	91.0	74.0	
2002-03	93.8	80.1	.	92.8	93.0	90.4	74.9	
2003-04	93.6	80.3	.	92.8	92.9	90.2	74.9	
2004-05	93.3	78.9	.	92.6	92.7	88.6	73.3	
2005-06 ⁽¹⁾	93.8	80.0	.	93.2	93.2	87.3	73.6	
2006-07 ⁽²⁾	93.3	.	79.3	92.9	92.5	85.9	72.8	
2007-08 ⁽³⁾	92.6	.	78.6	.	91.2	87.0	74.6	
2008-09 ⁽⁴⁾⁽⁵⁾	92.5	.	80.1	.	90.9	88.9	78.0	
2009-10 ⁽⁶⁾	94.0	.	84.8	.	93.1	91.0	82.7	
2010-11 ⁽⁷⁾	94.7	.	85.9	.	94.2	91.9	84.2	

⁽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 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⁽⁴⁾ In 2008-09 2 Trusts in London were not able to provide Hib figures for the 5-year cohort⁽⁵⁾ In 2008-09, 18 Trusts reported data quality issues. 13 of these were directly attributable to the introduction of new child health systems. One PCT submitted partial datasets due to the unavailability of data from certain parts of the PCT and a further 3 PCTs submitted data based upon quarterly data due to problems reporting an annual figure.⁽⁶⁾ In 2009-10, 4 PCTs reported data quality issues associated with child health information systems.⁽⁷⁾ In 2010-11, 10 PCTs identified data quality issues, six of which were associated with the implementation of child health information systems. In addition, three PCTs reported only partial data for their area and a further one reported figures that were estimates.

Table 4: Completed primary courses: percentage of children immunised by their second birthday, by Strategic Health Authority, 2001-02 to 2010-11

percentages

Year of 2nd birthday	England	North East	North West	Yorkshire and the Humber	East Midlands	West Midlands	East of England	London ⁽²⁾⁽³⁾⁽⁴⁾	South East Coast	South Central	South West ⁽⁴⁾⁽⁵⁾
Diphtheria, Tetanus and Polio⁽¹⁾											
2001-02	93.8	95.2	94.9	94.1	96.3	95.0	94.4	88.6	94.4	93.2	96.0
2002-03	93.7	94.7	94.6	94.3	96.4	94.5	95.2	88.5	95.5	91.6	95.7
2003-04	93.7	95.3	94.8	94.0	96.0	94.8	94.8	88.0	94.4	94.3	96.0
2004-05	93.5	95.1	94.8	93.5	96.3	95.3	94.8	87.3	93.8	94.8	94.8
2005-06 ⁽²⁾	94.0	94.9	95.2	93.6	95.9	95.1	94.6	88.3	93.6	94.4	95.6
Pertussis (whooping cough)											
2001-02	93.0	94.5	93.9	93.4	95.8	94.0	93.6	88.1	93.7	92.5	95.1
2002-03	93.1	94.1	93.9	93.8	96.0	93.9	94.6	88.1	94.9	91.2	95.1
2003-04	93.3	94.8	94.2	93.7	95.7	94.4	94.3	87.8	93.9	94.0	95.5
2004-05	93.1	94.8	94.3	93.2	96.1	94.8	94.4	87.1	93.5	94.4	94.3
2005-06 ⁽²⁾	93.7	94.6	94.9	93.3	95.7	94.8	94.4	88.1	93.4	93.9	95.3
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	91.4	94.9	95.8
2007-08 ⁽⁴⁾	93.6	95.8	95.8	93.9	95.2	96.1	95.0	85.4	92.9	94.7	96.5
2008-09	93.9	95.1	95.2	95.4	96.2	96.1	95.1	86.5	94.5	96.3	95.7
2009-10	95.3	96.9	96.6	96.3	96.6	96.8	95.8	90.8	94.8	96.7	96.6
2010-11	96.0	97.4	96.8	96.8	97.1	97.3	96.3	92.9	95.1	97.0	96.7
MMR											
2001-02	84.1	87.0	86.4	86.4	88.4	85.5	85.4	74.8	83.3	84.5	86.2
2002-03	81.8	85.3	83.9	84.4	86.8	84.0	83.0	72.5	81.6	81.4	83.4
2003-04	79.9	83.5	82.8	84.1	85.5	82.2	79.7	70.0	77.4	81.6	81.1
2004-05	80.9	85.2	84.0	83.2	86.3	82.8	81.4	71.4	79.6	83.0	80.5
2005-06 ⁽²⁾	84.1	87.2	86.3	85.6	87.6	84.8	84.3	73.5	82.8	86.0	86.2
2006-07 ⁽³⁾	85.2	88.8	87.7	87.0	87.9	87.6	85.6	74.9	84.5	88.1	87.0
2007-08 ⁽⁴⁾⁽⁵⁾	84.6	88.5	86.7	85.0	88.8	88.1	84.2	74.2	82.9	86.2	88.4
2008-09 ⁽⁶⁾	84.9	88.1	87.2	86.6	87.7	88.4	83.9	76.3	84.6	88.2	87.4
2009-10 ⁽⁷⁾	88.2	91.1	91.1	89.2	89.7	90.5	87.3	81.9	87.5	91.4	89.1
2010-11 ⁽⁸⁾	89.1	91.4	91.2	90.7	90.6	91.5	88.7	83.8	88.3	91.3	89.6

⁽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 South West for 2007-08, 1 PCT reported that previous years' data for MMR was incorrect. This has been revised.

⁽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, six of which were associated with the implementation of child health information systems. In addition, three PCTs reported only partial data for their area and a further one reported figures that were estimates.

Source: COVER

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Table 5a: Percentage of children immunised by their 1st birthday, by country of the UK, 2010-11

percentages and thousands

Percentage immunised by their 1st birthday				
	Number of children aged 1 (thousands) (=100%)	Diphtheria Tetanus Polio Pertussis Hib (DTaP/IPV/Hib) (%)	MenC (%)	PCV (%)
United Kingdom	793.8	94.5	93.8	94.1
England	674.5	94.2	93.4	93.6
Northern Ireland	25.0	97.5	97.2	97.3
Scotland	59.3	97.0	96.5	97.0
Wales	35.0	96.0	95.4	95.7

Source: COVER

Table 5b: Percentage of children immunised by their 2nd birthday, by country of the UK, 2010-11

percentages and thousands

Percentage immunised by their 2nd birthday						
	Number of children aged 2 (thousands) (=100%)	Diphtheria Tetanus Polio Pertussis Hib (DTaP/IPV/Hib) (%)	MMR (%)	MenC (%)	Hib/MenC (%)	PCV (%)
United Kingdom	789.5	96.3	89.7	95.0	91.9	89.8
England	669.8	96.0	89.1	94.8	91.6	89.3
Northern Ireland	25.2	98.8	92.9	96.7	95.0	92.8
Scotland	59.4	98.1	93.2	96.2	93.9	93.4
Wales	35.0	97.4	91.5	96.0	93.3	91.0

Source: COVER

Table 5c: Percentage of children immunised by their 5th birthday, by country of the UK, 2010-11

percentages and thousands

Percentage immunised by their 5th birthday				
	Number of children aged 5 (thousands) (=100%)	Diphtheria Tetanus Polio Pertussis Booster (DTaP/IPV) (%)	MMR First dose (%)	MMR First and second dose (%)
United Kingdom	731.6	86.8	92.5	85.0
England	620.3	85.9	91.9	84.2
Northern Ireland	23.0	92.9	96.7	91.3
Scotland	55.4	92.0	96.1	89.9
Wales	32.9	90.1	94.4	86.9

Source: COVER

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Table 6: Tuberculin Mantoux tests and BCG vaccinations by age, 2010-11

England		thousands
Age (in years)	Number of Mantoux tests ⁽²⁾	Total Vaccinations
All Ages ⁽¹⁾	8.8	225.3
Under 1	.	153.3
1-5	.	32.1
6-15	5.7	23.9
16 or over	2.9	15.7

NB: The Mantoux test is not usually given to children aged 5 and under.

⁽¹⁾ 'All Ages' does not equal sum of separate parts as two PCTs were not able to provide a complete age breakdown

⁽²⁾ These data have not been subject to the same level of validation as other data from the KC50 collection published in this report. For this reason some caution should be exercised when interpreting these data.

Source: KC50

Table 7: Tuberculin skin tests by result and BCG vaccinations, 1996-97 to 2010-11

England						percentages and thousands
Number of skin tests						
	Total	Found positive	Found negative	% of skin tests found negative	Number of mantoux tests	Number of vaccinations
1996-97	432.0	50.7	381.3	88.3	.	482.9
1997-98	491.9	49.2	442.7	90.0	.	518.4
1998-99	437.8	49.9	388.0	89.0	.	476.1
1999-2000	149.4	15.2	134.2	89.8	.	196.2
2000-01	78.9	9.2	69.7	88.3	.	137.4
2001-02	649.8	63.8	586.0	90.2	.	741.6
2002-03	413.1	33.3	379.7	91.9	.	449.9
2003-04	723.9	58.2	665.7	92.0	.	817.3
2004-05	540.4	44.7	495.7	91.7	.	628.3
2005-06	44.7	4.3	40.4	90.4	.	155.6
2006-07	16.6	1.3	15.3	92.1	.	172.0
2007-08	.	.	.	.	15.7	217.3
2008-09	.	.	.	.	13.1	239.2
2009-10	.	.	.	.	9.1	223.2
2010-11	.	.	.	.	8.8	225.3

For more information on the data quality issues surrounding the 2010-11 KC50 return please see Appendix B following the tables at the back of the NHS Immunisation Statistics, England publication

Source: KC50

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Table 8: Completed primary courses: percentage of children immunised by their first birthday against Diphtheria, 1988-89 to 2010-11

England	percentages*
Year of 1st birthday	Diphtheria
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 ⁽²⁾	91.4
2006-07 ⁽³⁾⁽⁴⁾	91.1
2007-08 ⁽³⁾⁽⁵⁾	91.3
2008-09 ⁽³⁾⁽⁶⁾	92.0
2009-10 ⁽³⁾⁽⁷⁾	93.6
2010-11 ⁽³⁾⁽⁸⁾	94.2

Table 9: Completed primary courses: percentage of children immunised by their second birthday against Measles Mumps and Rubella (MMR), 1988-89 to 2010-11

England	percentages**
Year of 2nd birthday	Measles Mumps Rubella (MMR)
1988-89 ⁽¹⁾	80
1989-90 ⁽¹⁾	84
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 ⁽²⁾	84.1
2006-07 ⁽⁴⁾	85.2
2007-08 ⁽⁵⁾	84.6
2008-09 ⁽⁶⁾	84.9
2009-10 ⁽⁷⁾	88.2
2010-11 ⁽⁸⁾	89.1

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

** Percentages to one decimal place are only available from 1990-91.

⁽¹⁾ Figures for 1988-89 and 1989-90 include children immunised only against measles i.e. before the MMR vaccine became universally available.

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

⁽³⁾ Figures from 2006-07 to present are for the DTaP/IPV/Hib '5-in-1' vaccine which includes Diphtheria, Tetanus, Polio, Pertussis and Hib.

⁽⁴⁾ 7 PCTs were unable to submit data due to problems relating to the implementation of a new child health system.

⁽⁵⁾ 6 PCTs were unable to submit data due to problems relating to the implementation of a new child health system.

⁽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, six of which were associated with the implementation of child health information systems. In addition, three PCTs reported only partial data for their area and a further one reported figures that were estimates.

Source: COVER

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Table 10: Percentage of children immunised by their 1st birthday, by Strategic Health Authority 2010-11

percentages and thousands

		Percentage immunised by their 1st birthday				
	ONS Code	Number of children aged 1 (thousands) (=100%)	Diphtheria Tetanus Polio Pertussis Hib (DTaP/IPV/Hib) %	MenC %	Pneumococcal Disease (PCV) %	
Eng	England	674.5	94.2	93.4	93.6	
Q30	North East	E18000001	29.1	95.9	95.4	95.5
Q31	North West	E18000002	89.6	95.1	94.5	94.7
Q32	Yorkshire and the Humber	E18000003	66.4	95.5	94.5	94.7
Q33	East Midlands	E18000004	53.7	95.4	94.7	95.0
Q34	West Midlands	E18000005	69.0	94.8	94.5	94.4
Q35	East of England	E18000006	72.8	94.8	94.3	94.4
Q36	London	E18000007	129.3	90.7	89.3	89.6
Q37	South East Coast	E18000008	52.3	93.2	92.6	92.7
Q38	South Central	E18000009	53.1	95.7	94.9	95.2
Q39	South West	E18000010	59.1	94.6	94.2	94.5

Source: COVER

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Table 10a: Percentage of children immunised by their 1st birthday, by Primary Care Trust 2010-11

		percentages and thousands				
		Percentage immunised by their 1st birthday				
	ONS Code	Number of children aged 1 (thousands) (=100%)	Diphtheria Tetanus Polio Pertussis Hib (DTaP/IPV/Hib) %	MenC %	Pneumococcal Disease (PCV) %	
Eng	England	674.5	94.2	93.4	93.6	
Q30	North East	E18000001	29.1	95.9	95.4	95.5
5ND	County Durham PCT	E16000085	4.6	98.1	97.5	97.4
5J9	Darlington PCT	E16000041	1.3	97.4	97.2	97.1
5KF	Gateshead PCT	E16000050	2.3	95.4	94.9	94.9
5D9	Hartlepool PCT	E16000019	1.2	92.4	92.0	91.5
5KM	Middlesbrough PCT ⁽⁵⁾	E16000053	2.1	91.7	90.9	91.0
5D7	Newcastle PCT	E16000017	3.4	94.0	93.1	93.6
5D8	North Tyneside PCT	E16000018	2.4	97.8	97.5	97.8
TAC	Northumberland Care Trust PCT	E17000001	3.1	96.6	96.4	96.3
5QR	Redcar & Cleveland PCT ⁽⁵⁾	E16000146	1.5	95.4	95.0	95.3
5KG	South Tyneside PCT	E16000051	1.7	97.2	96.8	97.0
5KL	Sunderland Teaching PCT	E16000052	3.1	96.4	96.1	96.4
5E1	Stockton-on-Tees Teaching PCT	E16000020	2.4	95.3	94.5	94.9
Q31	North West	E18000002	89.6	95.1	94.5	94.7
5HG	Ashton, Leigh & Wigan PCT	E16000032	3.9	95.9	95.7	96.3
TAP	Blackburn and Darwen Teaching PCT Plus ⁽¹⁾	E17000006	2.4	94.0	94.2	93.8
5HP	Blackpool PCT ⁽³⁾	E16000033	1.7	95.6	94.8	94.8
5HQ	Bolton PCT	E16000034	4.0	95.5	94.7	95.6
5JX	Bury PCT ⁽⁷⁾	E16000043	2.6	92.2	91.6	91.3
5NP	Central & Eastern Cheshire PCT	E16000095	5.2	96.2	96.4	96.6
5NG	Central Lancashire PCT ⁽⁴⁾⁽¹⁰⁾	E16000088	5.4	96.1	95.7	95.7
5NE	Cumbria PCT	E16000086	5.2	97.4	96.9	97.2
5NH	East Lancashire PCT	E16000089	7.4	94.1	93.7	93.5
5NM	Halton & St Helens PCT ⁽⁴⁾	E16000093	3.8	92.5	92.9	93.3
5NQ	Heywood, Middleton & Rochdale PCT	E16000096	2.9	95.3	95.0	95.0
5J4	Knowsley PCT	E16000038	1.8	93.0	93.9	94.8
5NL	Liverpool PCT	E16000092	5.4	95.4	94.5	95.2
5NT	Manchester PCT	E16000098	7.4	92.6	91.0	91.4
5NF	North Lancashire PCT	E16000087	3.2	95.6	95.5	94.8
5J5	Oldham PCT	E16000039	3.3	96.3	95.9	96.2
5F5	Salford PCT	E16000025	3.3	97.3	94.5	95.0
5NJ	Sefton PCT	E16000090	2.8	94.9	94.4	94.3
5F7	Stockport PCT	E16000026	3.5	95.1	94.6	94.6
5LH	Tameside & Glossop PCT	E16000062	3.2	95.4	95.2	95.4
5NR	Trafford PCT	E16000097	2.9	95.6	94.9	95.1
5J2	Warrington PCT	E16000037	2.3	95.8	95.5	95.4
5NN	Western Cheshire PCT	E16000094	2.5	95.0	94.3	95.1
5NK	Wirral PCT	E16000091	3.7	94.9	94.7	94.2
Q32	Yorkshire & the Humber	E18000003	66.4	95.5	94.5	94.7
5JE	Barnsley PCT	E16000042	2.9	96.2	95.9	96.3
5NY	Bradford & Airedale PCT	E16000102	8.6	95.2	92.3	92.3
5J6	Calderdale PCT	E16000040	2.7	95.0	94.2	94.5
5N5	Doncaster PCT	E16000078	3.8	94.6	94.2	94.1
5NW	East Riding of Yorkshire PCT	E16000100	3.1	96.8	96.2	96.3
5NX	Hull PCT	E16000101	3.7	96.4	95.7	95.9
5N2	Kirklees PCT	E16000075	5.7	95.8	95.0	95.2
5N1	Leeds PCT	E16000074	10.1	95.4	94.8	95.0
TAN	North East Lincolnshire PCT	E17000005	2.0	93.6	92.5	92.9
5EF	North Lincolnshire PCT	E16000021	1.9	94.6	94.2	94.5
5NV	North Yorkshire & York PCT	E16000099	8.0	95.4	94.1	94.6
5H8	Rotherham PCT	E16000031	3.1	96.0	95.5	95.6
5N4	Sheffield PCT	E16000077	6.6	94.7	93.7	93.9
5N3	Wakefield District PCT	E16000076	4.3	96.5	96.5	96.5
Q33	East Midlands	E18000004	53.7	95.4	94.7	95.0
5ET	Bassetlaw PCT	E16000023	1.1	94.6	94.1	94.1
5N7	Derby City PCT	E16000080	3.9	94.2	93.5	93.1
5N6	Derbyshire County PCT	E16000079	7.5	97.2	96.8	96.9
5PC	Leicester City PCT	E16000113	5.1	94.2	92.9	93.6
5PA	Leicestershire County & Rutland PCT	E16000112	7.2	96.4	95.8	96.2
5N9	Lincolnshire PCT	E16000082	7.9	95.1	94.3	94.8
5PD	Northamptonshire PCT	E16000114	8.9	96.9	96.3	96.5
5EM	Nottingham City PCT	E16000022	4.4	91.1	90.1	90.3
5N8	Nottinghamshire County PCT	E16000081	7.7	95.2	94.8	95.0
Q34	West Midlands	E18000005	69.0	94.8	94.5	94.4
5PG	Birmingham East & North PCT	E16000117	6.0	92.5	92.2	92.5
5MD	Coventry Teaching PCT	E16000070	4.5	96.6	95.1	95.0
5PE	Dudley PCT	E16000115	3.7	96.0	95.8	95.8
5MX	Heart of Birmingham Teaching PCT	E16000073	5.1	92.1	91.7	92.1
5CN	Herefordshire PCT	E16000015	1.8	91.8	91.0	91.9
5PH	North Staffordshire PCT	E16000118	2.1	97.0	98.0	96.8
5PF	Sandwell PCT ⁽³⁾	E16000116	4.7	93.0	92.7	92.7
5M2	Shropshire County PCT	E16000065	2.8	96.5	96.2	96.3

Table 10a: Percentage of children immunised by their 1st birthday, by Primary Care Trust 2010-11

percentages and thousands

		Percentage immunised by their 1st birthday				
	ONS Code	Number of children aged 1 (thousands) (=100%)	Diphtheria Tetanus Polio Pertussis Hib (DTaP/IPV/Hib) %	MenC %	Pneumococcal Disease (PCV) %	
TAM	Solihull Care Trust	E17000004	2.4	95.4	95.2	95.3
5M1	South Birmingham PCT	E16000064	4.7	93.0	92.9	92.9
5PK	South Staffordshire PCT	E16000120	6.7	95.9	95.6	95.7
5PJ	Stoke on Trent PCT	E16000119	3.7	95.4	96.4	95.4
5MK	Telford & Wrekin PCT	E16000071	2.2	96.0	95.3	95.5
5M3	Walsall Teaching PCT	E16000066	3.4	96.5	96.3	96.3
5PM	Warwickshire PCT	E16000122	5.6	97.2	96.7	96.6
5MV	Wolverhampton City PCT	E16000072	3.5	92.9	92.5	92.4
5PL	Worcestershire PCT	E16000121	6.1	94.6	94.3	94.0
Q35	East of England	E18000006	72.8	94.8	94.3	94.4
5P2	Bedfordshire PCT	E16000104	5.5	96.2	95.4	95.6
5PP	Cambridgeshire PCT	E16000124	7.4	94.9	93.9	94.3
5PR	Great Yarmouth & Waveney PCT	E16000126	2.4	93.5	93.2	93.2
5QV	Hertfordshire PCT ⁽²⁾	E16000150	15.3	94.8	94.7	94.5
5GC	Luton PCT ⁽⁴⁾	E16000029	3.5	91.9	91.1	90.9
5PX	Mid Essex PCT ⁽⁸⁾	E16000130	4.4	95.9	95.5	95.8
5PQ	Norfolk PCT	E16000125	7.9	94.2	93.5	93.7
5PW	North East Essex PCT	E16000129	3.7	94.2	93.9	94.0
5PN	Peterborough PCT	E16000123	2.9	94.1	93.8	92.9
5P1	South East Essex PCT	E16000103	4.0	94.7	94.2	94.3
5PY	South West Essex PCT	E16000131	5.5	95.1	94.4	94.7
5PT	Suffolk PCT	E16000127	6.7	95.3	94.9	95.1
5PV	West Essex PCT	E16000128	3.7	96.1	95.2	95.5
Q36	London	E18000007	129.3	90.7	89.3	89.6
5C2	Barking & Dagenham PCT	E16000009	3.7	86.3	84.4	85.4
5A9	Barnet PCT	E16000006	5.6	93.9	91.3	91.6
TAK	Bexley Care Trust	E17000002	3.2	90.8	90.9	90.8
5K5	Brent Teaching PCT	E16000045	4.9	93.1	92.9	93.4
5A7	Bromley PCT	E16000004	4.3	90.6	90.1	90.2
5K7	Camden PCT	E16000047	3.0	88.9	87.1	88.7
5C3	City & Hackney Teaching PCT	E16000010	4.6	82.5	81.5	82.0
5K9	Croydon PCT	E16000049	5.3	91.0	91.2	90.4
5HX	Ealing PCT	E16000035	6.0	94.2	92.0	92.1
5C1	Enfield PCT	E16000008	4.6	83.0	82.0	82.2
5A8	Greenwich Teaching PCT ⁽⁹⁾	E16000005	4.6	90.4	89.5	89.9
5H1	Hammersmith & Fulham PCT	E16000030	2.8	91.5	89.7	90.2
5C9	Haringey Teaching PCT ⁽⁶⁾	E16000013	4.1	91.1	89.8	91.1
5K6	Harrow PCT	E16000046	3.1	96.3	93.3	93.9
5A4	Havering PCT	E16000002	3.0	91.3	89.0	89.5
5AT	Hillingdon PCT	E16000007	4.1	94.4	93.1	93.5
5HY	Hounslow PCT	E16000036	4.4	89.7	88.3	90.4
5K8	Islington PCT	E16000048	2.9	91.9	90.7	91.1
5LA	Kensington & Chelsea PCT	E16000056	2.0	91.4	89.6	90.3
5A5	Kingston PCT	E16000003	2.5	94.0	92.6	92.9
5LD	Lambeth PCT	E16000058	4.8	91.4	90.9	91.2
5LF	Lewisham PCT ⁽³⁾	E16000060	4.8	89.9	89.3	89.8
5C5	Newham PCT ⁽⁵⁾	E16000012	6.3	84.8	81.0	80.5
5NA	Redbridge PCT	E16000083	4.4	91.7	89.1	89.9
5M6	Richmond & Twickenham PCT	E16000067	3.0	93.5	92.0	93.0
5LE	Southwark PCT	E16000059	4.7	88.9	87.6	87.8
5M7	Sutton & Merton PCT	E16000068	5.9	89.4	88.4	88.6
5C4	Tower Hamlets PCT	E16000011	4.2	97.2	95.8	96.5
5NC	Waltham Forest PCT	E16000084	4.7	91.0	90.0	90.4
5LG	Wandsworth PCT ⁽⁴⁾	E16000061	5.4	91.2	89.8	86.5
5LC	Westminster PCT	E16000057	2.4	94.8	91.0	93.7
Q37	South East Coast	E18000008	52.3	93.2	92.6	92.7
5LQ	Brighton & Hove City PCT	E16000063	3.3	91.2	90.2	90.3
5P7	East Sussex Downs & Weald PCT	E16000109	3.4	94.3	93.8	93.3
5QA	Eastern & Coastal Kent PCT	E16000132	8.6	92.6	92.2	92.5
5P8	Hastings & Rother PCT	E16000110	1.8	93.5	93.2	93.6
5L3	Medway PCT	E16000055	3.5	95.6	95.2	95.4
5P5	Surrey PCT ⁽⁴⁾	E16000107	14.5	90.3	89.4	89.6
5P9	West Kent PCT	E16000111	8.1	96.9	96.4	96.6
5P6	West Sussex PCT	E16000108	9.2	94.7	94.3	94.0
Q38	South Central	E18000009	53.1	95.7	94.9	95.2
5QG	Berkshire East PCT	E16000137	6.1	95.2	94.6	94.7
5QF	Berkshire West PCT	E16000136	6.6	95.2	93.9	94.7
5QD	Buckinghamshire PCT	E16000134	6.1	97.2	96.7	97.0
5QC	Hampshire PCT	E16000133	14.9	95.4	95.1	95.1
5QT	Isle of Wight Healthcare PCT	E16000147	1.3	92.1	90.8	92.3
5CQ	Milton Keynes PCT	E16000016	4.1	95.3	94.7	94.6
5QE	Oxfordshire PCT	E16000135	8.0	97.4	96.0	96.5
5FE	Portsmouth City Teaching PCT	E16000027	2.8	94.5	94.2	94.5
5L1	Southampton City PCT	E16000054	3.4	94.7	93.8	94.1

Table 10a: Percentage of children immunised by their 1st birthday, by Primary Care Trust 2010-11

percentages and thousands

		Percentage immunised by their 1st birthday				
	ONS Code	Number of children aged 1 (thousands) (=100%)	Diphtheria Tetanus Polio Pertussis Hib (DTaP/IPV/Hib) %	MenC %	Pneumococcal Disease (PCV) %	
Q39	South West	E18000010	59.1	94.6	94.2	94.5
5FL	Bath & North East Somerset PCT	E16000028	1.9	96.0	95.1	95.9
5QN	Bournemouth & Poole PCT ⁽⁴⁾	E16000143	4.1	84.4	84.2	85.0
5QJ	Bristol PCT	E16000139	6.2	95.0	94.1	94.5
5QP	Cornwall & Isles of Scilly PCT	E16000144	5.6	94.4	94.1	94.3
5QQ	Devon PCT	E16000145	7.5	95.0	94.3	94.7
5QM	Dorset PCT	E16000142	3.7	90.8	90.4	91.5
5QH	Gloucestershire PCT	E16000138	6.3	96.2	95.9	96.2
5M8	North Somerset PCT	E16000069	2.4	96.7	96.4	96.6
5F1	Plymouth Teaching PCT	E16000024	3.3	95.4	95.1	95.2
5QL	Somerset PCT	E16000141	5.2	95.3	95.1	95.3
5A3	South Gloucestershire PCT	E16000001	3.1	98.2	97.5	97.7
5K3	Swindon PCT	E16000044	2.9	94.3	93.3	93.4
TAL	Torbay Care Trust ⁽⁴⁾	E17000003	1.5	97.6	97.3	97.2
5QK	Wiltshire PCT	E16000140	5.3	97.5	97.2	97.4

⁽¹⁾ On 1st April 2010, 5CC - Blackburn with Darwen PCT became TAP - Blackburn and Darwen Teaching PCT Plus

⁽²⁾ On 1st April 2010, 5P3 - East & North Hertfordshire PCT and 5P4 - West Hertfordshire PCT merged to create 5QV - Hertfordshire PCT

⁽³⁾ 4 PCTs experienced data quality issues and thus may not present an accurate reflection of actual coverage.

⁽⁴⁾ 7 PCTs experienced data quality issues as a result of a recent migration to a new child health information system or problems with their existing child health information system.

⁽⁵⁾ 2 PCTs submitted partial datasets due to the unavailability of data from certain parts of the PCT.

⁽⁶⁾ 1 PCT submitted estimated datasets based on data from 38 out of 53 GP practices.

⁽⁷⁾ Following submission of COVER data, Bury PCT reported that their data required updating. Due to late submission, it has not been possible to include the revised 2010-11 data in this year's publication.

⁽⁸⁾ 1 PCT reported that their data for 2009-10 was incorrect.

⁽⁹⁾ 1 PCT reported that there were data quality issues with their 2009-10 submission.

⁽¹⁰⁾ 1 PCT submitted partial datasets due to a PCT merger in quarter 4 of 2010-11.

Source: COVER

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Table 10b: Number of children immunised by their 1st birthday, by Primary Care Trust 2010-11

		numbers				
		Number immunised by their 1st birthday				
	ONS Code	Number of children aged 1	Diphtheria Tetanus Polio Pertussis Hib (DTaP/IPV/Hib)	MenC	Pneumococcal Disease (PCV)	
Eng	England	674,533	635,073	629,926	631,252	
Q30	North East	E18000001	29,099	27,905	27,758	27,795
5ND	County Durham PCT	E16000085	4,579	4,491	4,465	4,461
5J9	Darlington PCT	E16000041	1,323	1,288	1,286	1,285
5KF	Gateshead PCT	E16000050	2,273	2,168	2,157	2,158
5D9	Hartlepool PCT	E16000019	1,172	1,083	1,078	1,072
5KM	Middlesbrough PCT ⁽⁵⁾	E16000053	2,113	1,937	1,921	1,923
5D7	Newcastle PCT	E16000017	3,381	3,178	3,147	3,163
5D8	North Tyneside PCT	E16000018	2,426	2,373	2,365	2,372
TAC	Northumberland Care Trust PCT	E17000001	3,133	3,027	3,021	3,018
5QR	Redcar & Cleveland PCT ⁽⁵⁾	E16000146	1,477	1,409	1,403	1,408
5KG	South Tyneside PCT	E16000051	1,706	1,659	1,652	1,655
5KL	Sunderland Teaching PCT	E16000052	3,100	2,989	2,980	2,987
5E1	Stockton-on-Tees Teaching PCT	E16000020	2,416	2,303	2,283	2,293
Q31	North West	E18000002	89,643	85,217	84,739	84,905
5HG	Ashton, Leigh & Wigan PCT	E16000032	3,913	3,754	3,743	3,769
TAP	Blackburn and Darwen Teaching PCT Plus ⁽¹⁾	E17000006	2,366	2,225	2,228	2,219
5HP	Blackpool PCT ⁽³⁾	E16000033	1,707	1,632	1,619	1,619
5HQ	Bolton PCT	E16000034	4,005	3,825	3,794	3,828
5JX	Bury PCT ⁽⁷⁾	E16000043	2,578	2,377	2,362	2,353
5NP	Central & Eastern Cheshire PCT	E16000095	5,152	4,958	4,966	4,976
5NG	Central Lancashire PCT ⁽⁴⁾⁽¹⁰⁾	E16000088	5,417	5,204	5,182	5,185
5NE	Cumbria PCT	E16000086	5,151	5,016	4,991	5,009
5NH	East Lancashire PCT	E16000089	7,406	6,968	6,942	6,922
5NM	Halton & St Helens PCT ⁽⁴⁾	E16000093	3,764	3,482	3,495	3,510
5NQ	Heywood, Middleton & Rochdale PCT	E16000096	2,917	2,780	2,770	2,770
5J4	Knowsley PCT	E16000038	1,830	1,701	1,718	1,735
5NL	Liverpool PCT	E16000092	5,372	5,126	5,077	5,115
5NT	Manchester PCT	E16000098	7,373	6,830	6,710	6,740
5NF	North Lancashire PCT	E16000087	3,173	3,032	3,030	3,009
5J5	Oldham PCT	E16000039	3,296	3,174	3,162	3,172
5F5	Salford PCT	E16000025	3,293	3,204	3,111	3,128
5NJ	Sefton PCT	E16000090	2,817	2,674	2,660	2,656
5F7	Stockport PCT	E16000026	3,451	3,282	3,265	3,264
5LH	Tameside & Glossop PCT	E16000062	3,239	3,089	3,084	3,091
5NR	Trafford PCT	E16000097	2,893	2,765	2,745	2,750
5J2	Warrington PCT	E16000037	2,289	2,194	2,186	2,184
5NN	Western Cheshire PCT	E16000094	2,527	2,401	2,382	2,404
5NK	Wirral PCT	E16000091	3,714	3,524	3,517	3,497
Q32	Yorkshire & the Humber	E18000003	66,408	63,396	62,727	62,861
5JE	Barnsley PCT	E16000042	2,946	2,835	2,826	2,836
5NY	Bradford & Airedale PCT	E16000102	8,629	8,218	7,961	7,968
5J6	Calderdale PCT	E16000040	2,654	2,520	2,501	2,509
5N5	Doncaster PCT	E16000078	3,765	3,563	3,546	3,544
5NW	East Riding of Yorkshire PCT	E16000100	3,056	2,957	2,941	2,942
5NX	Hull PCT	E16000101	3,729	3,596	3,567	3,576
5N2	Kirklees PCT	E16000075	5,732	5,493	5,448	5,458
5N1	Leeds PCT	E16000074	10,112	9,647	9,588	9,608
TAN	North East Lincolnshire PCT	E17000005	2,022	1,892	1,870	1,878
5EF	North Lincolnshire PCT	E16000021	1,902	1,800	1,792	1,797
5NV	North Yorkshire & York PCT	E16000099	7,984	7,620	7,513	7,551
5H8	Rotherham PCT	E16000031	3,073	2,949	2,936	2,939
5N4	Sheffield PCT	E16000077	6,552	6,202	6,136	6,151
5N3	Wakefield District PCT	E16000076	4,252	4,104	4,102	4,104
Q33	East Midlands	E18000004	53,728	51,259	50,890	51,025
5ET	Bassetlaw PCT	E16000023	1,145	1,083	1,077	1,078
5N7	Derby City PCT	E16000080	3,949	3,721	3,693	3,678
5N6	Derbyshire County PCT	E16000079	7,527	7,319	7,288	7,295
5PC	Leicester City PCT	E16000113	5,138	4,839	4,775	4,809
5PA	Leicestershire County & Rutland PCT	E16000112	7,207	6,950	6,906	6,936
5N9	Lincolnshire PCT	E16000082	7,856	7,473	7,405	7,446
5PD	Northamptonshire PCT	E16000114	8,853	8,580	8,523	8,541
5EM	Nottingham City PCT	E16000022	4,396	4,006	3,961	3,968
5N8	Nottinghamshire County PCT	E16000081	7,657	7,288	7,262	7,274
Q34	West Midlands	E18000005	69,043	65,438	65,214	65,203
5PG	Birmingham East & North PCT	E16000117	6,010	5,561	5,542	5,559
5MD	Coventry Teaching PCT	E16000070	4,466	4,316	4,245	4,244
5PE	Dudley PCT	E16000115	3,681	3,533	3,526	3,527
5MX	Heart of Birmingham Teaching PCT	E16000073	5,139	4,735	4,715	4,732
5CN	Herefordshire PCT	E16000015	1,836	1,686	1,671	1,687
5PH	North Staffordshire PCT	E16000118	2,052	1,990	2,010	1,987
5PF	Sandwell PCT ⁽³⁾	E16000116	4,712	4,383	4,368	4,369
5M2	Shropshire County PCT	E16000065	2,827	2,729	2,719	2,723

Table 10b: Number of children immunised by their 1st birthday, by Primary Care Trust 2010-11

numbers

		Number immunised by their 1st birthday				
	ONS Code	Number of children aged 1	Diphtheria Tetanus Polio Pertussis Hib (DTaP/IPV/Hib)	MenC	Pneumococcal Disease (PCV)	
TAM	Solihull Care Trust	E17000004	2,410	2,300	2,295	2,297
5M1	South Birmingham PCT	E16000064	4,672	4,346	4,340	4,341
5PK	South Staffordshire PCT	E16000120	6,705	6,433	6,410	6,417
5PJ	Stoke on Trent PCT	E16000119	3,711	3,540	3,579	3,542
5MK	Telford & Wrekin PCT	E16000071	2,242	2,153	2,136	2,142
5M3	Walsall Teaching PCT	E16000066	3,390	3,272	3,266	3,263
5PM	Warwickshire PCT	E16000122	5,646	5,490	5,457	5,455
5MV	Wolverhampton City PCT	E16000072	3,485	3,237	3,222	3,220
5PL	Worcestershire PCT	E16000121	6,059	5,734	5,713	5,698
Q35	East of England	E18000006	72,780	68,999	68,624	68,680
5P2	Bedfordshire PCT	E16000104	5,500	5,289	5,248	5,259
5PP	Cambridgeshire PCT	E16000124	7,354	6,978	6,907	6,936
5PR	Great Yarmouth & Waveney PCT	E16000126	2,407	2,251	2,244	2,244
5QV	Hertfordshire PCT ⁽²⁾	E16000150	15,282	14,485	14,469	14,443
5GC	Luton PCT ⁽⁴⁾	E16000029	3,490	3,209	3,178	3,174
5PX	Mid Essex PCT ⁽⁸⁾	E16000130	4,364	4,184	4,167	4,179
5PQ	Norfolk PCT	E16000125	7,933	7,475	7,418	7,436
5PW	North East Essex PCT	E16000129	3,679	3,466	3,453	3,458
5PN	Peterborough PCT	E16000123	2,916	2,744	2,736	2,710
5P1	South East Essex PCT	E16000103	4,019	3,805	3,786	3,789
5PY	South West Essex PCT	E16000131	5,506	5,237	5,200	5,216
5PT	Suffolk PCT	E16000127	6,673	6,361	6,335	6,344
5PV	West Essex PCT	E16000128	3,657	3,515	3,483	3,492
Q36	London	E18000007	129,326	117,340	115,444	115,855
5C2	Barking & Dagenham PCT	E16000009	3,743	3,232	3,158	3,197
5A9	Barnet PCT	E16000006	5,553	5,213	5,070	5,089
TAK	Bexley Care Trust	E17000002	3,154	2,865	2,866	2,864
5K5	Brent Teaching PCT	E16000045	4,940	4,600	4,588	4,615
5A7	Bromley PCT	E16000004	4,337	3,931	3,907	3,910
5K7	Camden PCT	E16000047	3,002	2,670	2,615	2,662
5C3	City & Hackney Teaching PCT	E16000010	4,594	3,791	3,743	3,765
5K9	Croydon PCT	E16000049	5,333	4,854	4,862	4,822
5HX	Ealing PCT	E16000035	5,980	5,631	5,504	5,507
5C1	Enfield PCT	E16000008	4,565	3,789	3,743	3,751
5A8	Greenwich Teaching PCT ⁽⁹⁾	E16000005	4,556	4,118	4,076	4,095
5H1	Hammersmith & Fulham PCT	E16000030	2,778	2,542	2,492	2,506
5C9	Haringey Teaching PCT ⁽⁶⁾	E16000013	4,063	3,702	3,647	3,702
5K6	Harrow PCT	E16000046	3,105	2,989	2,897	2,917
5A4	Havering PCT	E16000002	2,977	2,718	2,649	2,663
5AT	Hillingdon PCT	E16000007	4,080	3,853	3,799	3,815
5HY	Hounslow PCT	E16000036	4,441	3,983	3,922	4,016
5K8	Islington PCT	E16000048	2,913	2,677	2,643	2,654
5LA	Kensington & Chelsea PCT	E16000056	2,001	1,829	1,792	1,807
5A5	Kingston PCT	E16000003	2,542	2,390	2,354	2,362
5LD	Lambeth PCT	E16000058	4,835	4,419	4,395	4,410
5LF	Lewisham PCT ⁽³⁾	E16000060	4,804	4,321	4,292	4,312
5C5	Newham PCT ⁽⁵⁾	E16000012	6,349	5,386	5,145	5,113
5NA	Redbridge PCT	E16000083	4,430	4,063	3,948	3,983
5M6	Richmond & Twickenham PCT	E16000067	2,991	2,798	2,751	2,783
5LE	Southwark PCT	E16000059	4,693	4,170	4,112	4,122
5M7	Sutton & Merton PCT	E16000068	5,913	5,288	5,228	5,236
5C4	Tower Hamlets PCT	E16000011	4,168	4,052	3,993	4,021
5NC	Waltham Forest PCT	E16000084	4,653	4,236	4,188	4,205
5LG	Wandsworth PCT ⁽⁴⁾	E16000061	5,411	4,935	4,860	4,681
5LC	Westminster PCT	E16000057	2,422	2,295	2,205	2,270
Q37	South East Coast	E18000008	52,291	48,756	48,440	48,487
5LQ	Brighton & Hove City PCT	E16000063	3,266	2,980	2,946	2,950
5P7	East Sussex Downs & Weald PCT	E16000109	3,392	3,198	3,180	3,165
5QA	Eastern & Coastal Kent PCT	E16000132	8,553	7,918	7,882	7,912
5P8	Hastings & Rother PCT	E16000110	1,817	1,699	1,693	1,700
5L3	Medway PCT	E16000055	3,468	3,314	3,302	3,307
5P5	Surrey PCT ⁽⁴⁾	E16000107	14,454	13,050	12,919	12,947
5P9	West Kent PCT	E16000111	8,101	7,849	7,807	7,825
5P6	West Sussex PCT	E16000108	9,240	8,748	8,711	8,681
Q38	South Central	E18000009	53,147	50,856	50,459	50,609
5QG	Berkshire East PCT	E16000137	6,062	5,768	5,737	5,739
5QF	Berkshire West PCT	E16000136	6,586	6,273	6,183	6,235
5QD	Buckinghamshire PCT	E16000134	6,110	5,939	5,908	5,926
5QC	Hampshire PCT	E16000133	14,862	14,182	14,132	14,133
5QT	Isle of Wight Healthcare PCT	E16000147	1,319	1,215	1,198	1,217
5CQ	Milton Keynes PCT	E16000016	4,057	3,865	3,841	3,837
5QE	Oxfordshire PCT	E16000135	8,012	7,806	7,692	7,735
5FE	Portsmouth City Teaching PCT	E16000027	2,788	2,634	2,625	2,635
5L1	Southampton City PCT	E16000054	3,351	3,174	3,143	3,152

Table 10b: Number of children immunised by their 1st birthday, by Primary Care Trust 2010-11

		numbers				
		Number immunised by their 1st birthday				
	ONS Code	Number of children aged 1	Diphtheria Tetanus Polio Pertussis Hib (DTaP/IPV/Hib)	MenC	Pneumococcal Disease (PCV)	
Q39	South West	E18000010	59,068	55,907	55,631	55,832
5FL	Bath & North East Somerset PCT	E16000028	1,896	1,820	1,804	1,818
5QN	Bournemouth & Poole PCT ⁽⁴⁾	E16000143	4,108	3,468	3,458	3,490
5QJ	Bristol PCT	E16000139	6,239	5,930	5,872	5,896
5QP	Cornwall & Isles of Scilly PCT	E16000144	5,579	5,264	5,252	5,259
5QQ	Devon PCT	E16000145	7,512	7,135	7,087	7,112
5QM	Dorset PCT	E16000142	3,703	3,362	3,349	3,390
5QH	Gloucestershire PCT	E16000138	6,291	6,055	6,031	6,055
5M8	North Somerset PCT	E16000069	2,395	2,315	2,309	2,313
5F1	Plymouth Teaching PCT	E16000024	3,324	3,171	3,161	3,165
5QL	Somerset PCT	E16000141	5,230	4,984	4,975	4,986
5A3	South Gloucestershire PCT	E16000001	3,097	3,042	3,021	3,026
5K3	Swindon PCT	E16000044	2,905	2,740	2,709	2,713
TAL	Torbay Care Trust ⁽⁴⁾	E17000003	1,489	1,453	1,449	1,448
5QK	Wiltshire PCT	E16000140	5,300	5,168	5,154	5,161

⁽¹⁾ On 1st April 2010, 5CC - Blackburn with Darwen PCT became TAP - Blackburn and Darwen Teaching PCT Plus

⁽²⁾ On 1st April 2010, 5P3 - East & North Hertfordshire PCT and 5P4 - West Hertfordshire PCT merged to create 5QV - Hertfordshire PCT

⁽³⁾ 4 PCTs experienced data quality issues and thus may not present an accurate reflection of actual coverage.

⁽⁴⁾ 7 PCTs experienced data quality issues as a result of a recent migration to a new child health information system or problems with their existing child health information system.

⁽⁵⁾ 2 PCTs submitted partial datasets due to the unavailability of data from certain regions.

⁽⁶⁾ 1 PCT submitted estimated datasets based on data from 38 out of 53 GP practices.

⁽⁷⁾ Following submission of COVER data, Bury PCT reported that their data required updating. Due to late submission, it has not been possible to include the revised 2010-11 data in this year's publication.

⁽⁸⁾ 1 PCT reported that their data for 2009-10 was incorrect.

⁽⁹⁾ 1 PCT reported that there were data quality issues with their 2009-10 submission.

⁽¹⁰⁾ 1 PCT submitted partial datasets due to a PCT merger in quarter 4 of 2010-11.

Source: COVER

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Table 11: Percentage of children immunised by their 2nd birthday, by Strategic Health Authority 2010-11

percentages and thousands

		Percentage immunised by their 2nd birthday						
	ONS Code	Number of children aged 2 (thousands) (=100%)	Diphtheria Tetanus Polio Pertussis Hib (DTaP/IPV/Hib) %	MMR %	MenC %	Hib/MenC %	Pneumococcal Conjugate Vaccine (PCV) %	
Eng	England	669.8	96.0	89.1	94.8	91.6	89.3	
Q30	North East	E18000001	28.9	97.4	91.4	97.3	94.6	93.2
Q31	North West	E18000002	89.5	96.8	91.2	95.3	93.3	91.2
Q32	Yorkshire and the Humber	E18000003	66.1	96.8	90.7	96.4	94.2	91.5
Q33	East Midlands	E18000004	53.6	97.1	90.6	96.9	93.9	91.5
Q34	West Midlands	E18000005	69.4	97.3	91.5	96.1	93.6	92.5
Q35	East of England	E18000006	72.9	96.3	88.7	96.7	93.4	90.0
Q36	London	E18000007	125.7	92.9	83.8	89.8	84.9	82.4
Q37	South East Coast	E18000008	52.2	95.1	88.3	94.0	90.6	88.1
Q38	South Central	E18000009	53.0	97.0	91.3	95.2	92.8	91.0
Q39	South West	E18000010	58.5	96.7	89.6	95.9	92.0	90.1

Source: COVER

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Table 11a: Percentage of children immunised by their 2nd birthday, by Primary Care Trust 2010-11

percentages and thousands

Percentage immunised by their 2nd birthday

Eng	England	ONS Code	Number of children aged 2 (=100%)	Diphtheria	Tetanus	Polio	MMR %	MenC %	Hib/MenC %	Pneumococcal
				Pertussis Hib (DTaP/IPV/Hib) %						Conjugate Vaccine (PCV) %
			669.8	96.0	89.1	94.8				91.6
Q30	North East	E18000001	28.9	97.4	91.4	97.3				93.2
5ND	County Durham PCT	E16000085	4.6	97.8	91.8	98.2				92.9
5J9	Darlington PCT	E16000041	1.3	97.7	90.9	98.6				90.8
5KF	Gateshead PCT	E16000050	2.3	97.8	93.7	96.2				95.0
5D9	Hartlepool PCT	E16000019	1.1	95.2	85.4	93.6				85.1
5KM	Middlesbrough PCT ⁽⁵⁾	E16000053	2.0	94.3	86.4	95.4				95.3
5D7	Newcastle PCT	E16000017	3.1	96.5	89.7	96.1				90.7
5D8	North Tyneside PCT	E16000018	2.5	98.9	95.6	98.0				95.5
TAC	Northumberland Care Trust PCT	E17000001	3.2	98.3	92.8	98.9				93.9
5QR	Redcar & Cleveland PCT ⁽⁵⁾	E16000146	1.5	96.9	91.3	97.8				98.2
5KG	South Tyneside PCT	E16000051	1.7	98.7	95.3	97.6				96.1
5KL	Sunderland Teaching PCT	E16000052	3.1	97.4	90.2	98.0				91.5
5E1	Stockton-on-Tees Teaching PCT	E16000020	2.4	97.1	91.0	96.4				92.5
Q31	North West	E18000002	89.5	96.8	91.2	95.3				93.3
5HG	Ashton, Leigh & Wigan PCT	E16000032	3.8	96.6	92.7	96.0				93.5
TAP	Blackburn and Darwen Teaching PCT Plus ⁽¹⁾	E17000006	2.3	96.9	90.9	96.5				91.1
5HP	Blackpool PCT ⁽³⁾	E16000033	1.7	97.5	88.2	96.2				89.8
5HQ	Bolton PCT	E16000034	3.9	97.5	93.8	95.9				93.9
5JX	Bury PCT ⁽⁷⁾	E16000043	2.7	95.8	89.7	93.8				89.3
5NP	Central & Eastern Cheshire PCT	E16000095	5.2	97.5	91.8	95.6				95.1
5NG	Central Lancashire PCT ⁽⁴⁾⁽¹⁰⁾	E16000088	5.4	97.0	92.8	95.9				92.8
5NE	Cumbria PCT	E16000086	5.1	97.9	94.5	96.9				94.7
5NH	East Lancashire PCT	E16000089	7.4	96.1	88.9	95.5				89.4
5NM	Halton & St Helens PCT ⁽⁴⁾	E16000093	3.7	95.5	87.1	93.3				87.9
5NQ	Heywood, Middleton & Rochdale PCT	E16000096	3.1	97.0	93.6	95.1				92.3
5J4	Knowsley PCT	E16000038	1.9	94.8	89.3	94.3				84.3
5NL	Liverpool PCT	E16000092	5.4	97.2	92.1	95.9				93.2
5NT	Manchester PCT	E16000098	7.4	95.2	86.1	93.4				85.5
5NF	North Lancashire PCT	E16000087	3.2	97.4	89.3	95.7				88.8
5J5	Oldham PCT	E16000039	3.3	97.4	92.4	96.2				92.0
5F5	Salford PCT	E16000025	3.2	98.6	96.8	93.0				95.4
5NJ	Sefton PCT	E16000090	2.8	97.1	91.4	95.4				91.8
5F7	Stockport PCT	E16000026	3.4	96.9	91.0	95.6				91.0
5LH	Tameside & Glossop PCT	E16000062	3.0	96.7	92.2	95.2				90.8
5NR	Trafford PCT	E16000097	2.9	97.5	92.3	96.0				93.3
5J2	Warrington PCT	E16000037	2.4	97.4	91.8	96.1				91.0
5NN	Western Cheshire PCT	E16000094	2.7	96.6	93.3	94.5				90.6
5NK	Wirral PCT	E16000091	3.8	97.2	90.1	96.5				90.3
Q32	Yorkshire & the Humber	E18000003	66.1	96.8	90.7	96.4				94.2
5JE	Bamsley PCT	E16000042	2.9	97.4	92.6	98.2				93.8
5NY	Bradford & Airedale PCT	E16000102	8.6	95.7	88.9	91.7				89.8
5J6	Calderdale PCT	E16000040	2.7	96.8	87.5	96.9				88.9
5N5	Doncaster PCT	E16000078	3.8	96.5	88.8	97.8				90.3
5NW	East Riding of Yorkshire PCT	E16000100	3.1	97.9	93.3	97.7				93.9
5NX	Hull PCT	E16000101	3.7	97.7	93.7	97.6				93.0
5N2	Kirklees PCT	E16000075	5.6	97.3	92.2	97.4				92.2
5N1	Leeds PCT	E16000074	9.8	97.0	90.6	97.3				90.9
TAN	North East Lincolnshire PCT	E17000005	2.0	97.3	88.9	98.0				88.3
5EF	North Lincolnshire PCT	E16000021	1.9	96.8	88.2	98.0				89.1
5NV	North Yorkshire & York PCT	E16000099	8.2	95.8	90.1	94.9				91.6
5H8	Rotherham PCT	E16000031	3.1	97.2	91.8	97.7				92.8
5N4	Sheffield PCT	E16000077	6.7	96.6	91.4	96.3				92.3
5N3	Wakefield District PCT	E16000076	4.1	97.9	92.8	98.7				93.9
Q33	East Midlands	E18000004	53.6	97.1	90.6	96.9				93.9
5ET	Bassetlaw PCT	E16000023	1.2	95.9	85.9	96.9				87.6
5N7	Derby City PCT	E16000080	3.7	97.9	89.4	98.5				89.4
5N6	Derbyshire County PCT	E16000079	7.5	98.3	93.4	98.4				94.4
5PC	Leicester City PCT	E16000113	5.0	96.6	90.4	96.3				91.1
5PA	Leicestershire County & Rutland PCT	E16000112	7.3	98.1	91.8	97.9				92.8
5N9	Lincolnshire PCT	E16000082	8.0	95.4	89.9	93.9				91.3
5PD	Northamptonshire PCT	E16000114	9.0	97.7	92.7	97.4				93.7
5EM	Nottingham City PCT	E16000022	4.2	94.3	84.0	94.8				84.2
5N8	Nottinghamshire County PCT	E16000081	7.6	97.5	89.9	97.9				90.7
Q34	West Midlands	E18000005	69.4	97.3	91.5	96.1				93.6
5PG	Birmingham East & North PCT	E16000117	6.2	96.7	89.9	96.0				91.1
5MD	Coventry Teaching PCT	E16000070	4.2	98.5	95.1	97.6				95.1
5PE	Dudley PCT	E16000115	3.5	98.1	93.9	93.9				93.8
5MX	Heart of Birmingham Teaching PCT	E16000073	5.2	97.3	94.6	96.9				94.1
5CN	Herefordshire PCT	E16000015	1.9	95.0	85.0	95.0				86.6

Table 11a: Percentage of children immunised by their 2nd birthday, by Primary Care Trust 2010-11

percentages and thousands

		Percentage immunised by their 2nd birthday						
	ONS Code	Number of children aged 2 (=100%)	Diphtheria Tetanus Polio Pertussis Hib (DTaP/IPV/Hib) %	MMR %	MenC %	Hib/MenC %	Pneumococcal Conjugate Vaccine (PCV) %	
5PH	North Staffordshire PCT	E16000118	2.2	98.6	93.4	97.4	97.5	95.2
5PF	Sandwell PCT ⁽³⁾	E16000116	4.7	96.5	87.9	97.4	93.3	88.9
5M2	Shropshire County PCT	E16000065	2.8	98.3	93.2	97.2	96.5	95.0
TAM	Solihull Care Trust	E17000004	2.5	98.0	88.9	98.5	95.1	90.9
5M1	South Birmingham PCT	E16000064	4.7	96.2	89.8	96.0	91.6	90.7
5PK	South Staffordshire PCT	E16000120	7.0	97.9	90.0	97.5	93.9	91.5
5PJ	Stoke on Trent PCT	E16000119	3.8	97.8	93.9	96.2	97.0	94.9
5MK	Telford & Wrekin PCT	E16000071	2.2	97.7	92.9	95.9	95.0	94.1
5M3	Walsall Teaching PCT	E16000066	3.3	98.7	95.0	98.6	96.2	96.3
5PM	Warwickshire PCT	E16000122	5.6	98.7	95.1	98.4	95.4	95.7
5MV	Wolverhampton City PCT	E16000072	3.5	93.5	86.7	91.8	90.4	87.8
5PL	Worcestershire PCT	E16000121	6.2	96.7	89.9	91.1	93.5	90.7
Q35	East of England	E18000006	72.9	96.3	88.7	96.7	93.4	90.0
5P2	Bedfordshire PCT	E16000104	5.4	97.3	91.1	97.3	94.7	92.4
5PP	Cambridgeshire PCT	E16000124	7.4	96.2	88.9	95.9	93.9	89.5
5PR	Great Yarmouth & Waveney PCT	E16000126	2.5	96.2	85.9	97.1	92.4	87.3
5QV	Hertfordshire PCT ⁽²⁾	E16000150	15.3	95.8	88.9	96.7	93.3	89.6
5GC	Luton PCT ⁽⁴⁾	E16000029	3.5	95.2	86.8	95.8	89.9	88.0
5PX	Mid Essex PCT ⁽⁸⁾	E16000130	4.3	97.7	88.3	98.3	94.8	98.5
5PQ	Norfolk PCT	E16000125	7.9	96.5	87.7	96.5	92.8	88.4
5PW	North East Essex PCT	E16000129	3.6	95.3	87.2	96.0	92.5	88.1
5PN	Peterborough PCT	E16000123	2.9	95.2	86.4	94.6	90.4	86.2
5P1	South East Essex PCT	E16000103	4.0	96.3	88.6	97.0	94.2	89.5
5PY	South West Essex PCT	E16000131	5.7	97.0	89.8	97.5	95.1	91.0
5PT	Suffolk PCT	E16000127	7.0	96.1	89.5	96.4	92.9	89.8
5PV	West Essex PCT	E16000128	3.5	97.3	90.1	97.1	95.0	91.0
Q36	London	E18000007	125.7	92.9	83.8	89.8	84.9	82.4
5C2	Barking & Dagenham PCT	E16000009	3.8	88.7	81.4	77.5	79.4	78.2
5A9	Barnet PCT	E16000006	5.4	95.0	89.6	90.2	89.6	86.4
TAK	Bexley Care Trust	E17000002	3.0	93.6	81.3	93.8	85.6	79.4
5K5	Brent Teaching PCT	E16000045	4.8	93.7	88.2	87.6	89.3	86.0
5A7	Bromley PCT	E16000004	4.2	93.4	83.6	92.1	85.7	82.7
5K7	Camden PCT	E16000047	2.8	90.3	77.3	88.4	79.0	76.3
5C3	City & Hackney Teaching PCT	E16000010	4.3	89.6	75.4	81.7	74.1	88.8
5K9	Croydon PCT	E16000049	5.3	94.0	82.1	94.1	85.9	81.0
5HX	Ealing PCT	E16000035	5.9	95.7	86.5	89.6	87.1	86.2
5C1	Enfield PCT	E16000008	4.6	87.3	77.1	86.6	78.4	73.9
5A8	Greenwich Teaching PCT ⁽⁹⁾	E16000005	4.5	92.4	82.6	91.2	83.3	78.3
5H1	Hammersmith & Fulham PCT	E16000030	2.7	92.5	80.5	90.3	84.0	79.6
5C9	Haringey Teaching PCT ⁽⁶⁾	E16000013	4.0	92.2	85.3	89.2	83.5	82.7
5K6	Harrow PCT	E16000046	3.1	96.5	88.1	91.4	94.8	85.6
5A4	Havering PCT	E16000002	3.0	94.4	85.6	92.7	89.7	83.5
5AT	Hillingdon PCT	E16000007	3.9	96.2	89.0	94.2	91.6	89.4
5HY	Hounslow PCT	E16000036	4.3	93.1	81.8	90.1	80.2	80.7
5K8	Islington PCT	E16000048	2.8	93.5	85.4	91.4	85.6	82.2
5LA	Kensington & Chelsea PCT	E16000056	1.8	94.3	86.1	92.2	86.2	84.5
5A5	Kingston PCT	E16000003	2.7	95.0	83.7	92.8	83.0	82.1
5LD	Lambeth PCT	E16000058	4.6	93.3	82.3	92.4	83.4	80.2
5LF	Lewisham PCT ⁽³⁾	E16000060	4.6	91.8	81.2	90.8	81.0	76.6
5C5	Newham PCT ⁽³⁾	E16000012	6.1	88.5	80.8	81.9	82.8	70.0
5NA	Redbridge PCT	E16000083	4.2	92.6	85.2	89.3	86.2	83.7
5M6	Richmond & Twickenham PCT	E16000067	3.0	94.7	85.3	92.5	86.3	84.3
5LE	Southwark PCT	E16000059	4.5	91.4	80.4	90.5	82.4	78.7
5M7	Sutton & Merton PCT	E16000068	5.7	91.8	81.6	90.1	78.3	76.9
5C4	Tower Hamlets PCT	E16000011	3.9	97.7	94.4	95.6	94.2	93.5
5NC	Waltham Forest PCT	E16000084	4.6	94.8	87.0	92.8	89.4	85.4
5LG	Wandsworth PCT ⁽⁴⁾	E16000061	5.0	91.6	82.4	89.7	87.8	95.2
5LC	Westminster PCT	E16000057	2.5	93.2	89.3	88.9	90.2	89.2
Q37	South East Coast	E18000008	52.2	95.1	88.3	94.0	90.6	88.1
5LQ	Brighton & Hove City PCT	E16000063	3.1	93.7	85.9	92.0	89.3	86.5
5P7	East Sussex Downs & Weald PCT	E16000109	3.4	96.3	88.2	95.2	92.7	89.5
5QA	Eastern & Coastal Kent PCT	E16000132	8.5	96.3	89.6	95.6	91.1	89.1
5P8	Hastings & Rother PCT	E16000110	1.8	94.5	87.8	93.5	92.2	90.0
5L3	Medway PCT	E16000055	3.3	98.1	93.3	97.2	94.9	93.0
5P5	Surrey PCT ⁽⁴⁾	E16000107	14.7	91.3	82.2	90.1	83.8	80.8
5P9	West Kent PCT	E16000111	8.1	97.9	93.6	97.0	95.0	94.2
5P6	West Sussex PCT	E16000108	9.2	96.5	91.4	95.0	94.6	91.3
Q38	South Central	E18000009	53.0	97.0	91.3	95.2	92.8	91.0
5QG	Berkshire East PCT	E16000137	6.0	96.5	90.5	95.5	90.9	89.7
5QF	Berkshire West PCT	E16000136	6.7	96.3	91.1	93.7	91.1	89.4
5QD	Buckinghamshire PCT	E16000134	6.4	98.4	92.4	98.0	93.0	94.4

Table 11a: Percentage of children immunised by their 2nd birthday, by Primary Care Trust 2010-11

percentages and thousands

Percentage immunised by their 2nd birthday

		ONS Code	Number of children aged 2 (thousands) (=100%)	Diphtheria Tetanus Polio Pertussis Hib (DTaP/IPV/Hib) %	MMR %	MenC %	Hib/MenC %	Pneumococcal Conjugate Vaccine (PCV) %
5QC	Hampshire PCT	E16000133	14.9	96.8	90.9	95.9	93.6	90.4
5QT	Isle of Wight Healthcare PCT	E16000147	1.3	95.2	87.6	92.9	90.1	87.0
5CQ	Milton Keynes PCT	E16000016	4.0	96.5	91.2	95.3	92.5	90.0
5QE	Oxfordshire PCT	E16000135	7.9	97.7	93.4	92.4	95.0	94.5
5FE	Portsmouth City Teaching PCT	E16000027	2.7	97.3	89.4	96.4	93.2	88.6
5L1	Southampton City PCT	E16000054	3.3	96.5	91.5	96.0	90.9	89.5
Q39	South West	E18000010	58.5	96.7	89.6	95.9	92.0	90.1
5FL	Bath & North East Somerset PCT	E16000028	1.9	97.0	89.3	96.0	91.8	90.9
5QN	Bournemouth & Poole PCT ⁽⁴⁾	E16000143	4.0	94.9	79.9	94.2	84.9	79.7
5QJ	Bristol PCT	E16000139	6.0	96.3	85.8	94.6	90.1	85.1
5QP	Cornwall & Isles of Scilly PCT	E16000144	5.5	96.0	88.5	94.0	91.7	88.3
5QQ	Devon PCT	E16000145	7.3	96.6	90.0	95.9	92.3	91.1
5QM	Dorset PCT	E16000142	3.6	93.6	85.0	93.9	87.3	86.2
5QH	Gloucestershire PCT	E16000138	6.2	96.4	94.3	97.5	94.1	94.8
5M8	North Somerset PCT	E16000069	2.4	98.3	91.0	97.3	95.2	91.6
5F1	Plymouth Teaching PCT	E16000024	3.2	97.6	91.8	97.4	93.7	91.8
5QL	Somerset PCT	E16000141	5.2	97.8	94.2	97.0	93.9	95.1
5A3	South Gloucestershire PCT	E16000001	3.1	98.5	93.5	96.6	95.0	94.2
5K3	Swindon PCT	E16000044	3.0	95.2	88.2	94.0	90.1	89.1
TAL	Torbay Care Trust ⁽⁴⁾	E17000003	1.4	97.7	90.6	97.5	93.2	91.6
5QK	Wiltshire PCT	E16000140	5.5	98.4	91.6	97.7	95.1	92.6

⁽¹⁾ On 1st April 2010, 5CC - Blackburn with Darwen PCT became TAP - Blackburn and Darwen Teaching PCT Plus⁽²⁾ On 1st April 2010, 5P3 - East & North Hertfordshire PCT and 5P4 - West Hertfordshire PCT merged to create 5QV - Hertfordshire PCT⁽³⁾ 4 PCTs experienced data quality issues and thus may not present an accurate reflection of actual coverage.⁽⁴⁾ 7 PCTs experienced data quality issues as a result of a recent migration to a new child health information system or problems with their existing child health information system.⁽⁵⁾ 2 PCTs submitted partial datasets due to the unavailability of data from certain parts of the PCT.⁽⁶⁾ 1 PCT submitted estimated datasets based on data from 38 out of 53 GP practices.⁽⁷⁾ Following submission of COVER data, Bury PCT reported that their data required updating. Due to late submission, it has not been possible to include the revised 2010-11 data in this year's publication.⁽⁸⁾ 1 PCT reported that their data for 2009-10 was incorrect.⁽⁹⁾ 1 PCT reported that there were data quality issues with their 2009-10 submission⁽¹⁰⁾ 1 PCT submitted partial datasets due to a PCT merger in quarter 4 of 2010-11.

Source: COVER

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Table 11b: Number of children immunised by their 2nd birthday, by Primary Care Trust 2010-11

		numbers						
		Number immunised by their 2nd birthday						
Eng	ONS Code	Number of children aged 2	Diphtheria Tetanus Polio Pertussis Hib (DTaP/IPV/Hib)	MMR	MenC	Hib/MenC	Pneumococcal Conjugate Vaccine (PCV)	
England		669,800	642,849	596,965	634,803	613,451	598,414	
Q30 North East	E18000001	28,894	28,134	26,419	28,106	27,345	26,932	
5ND	County Durham PCT	E16000085	4,647	4,546	4,268	4,564	4,452	
5J9	Darlington PCT	E16000041	1,280	1,251	1,163	1,262	1,223	
5KF	Gateshead PCT	E16000050	2,320	2,268	2,174	2,231	2,203	
5D9	Hartlepool PCT	E16000019	1,148	1,093	980	1,074	1,005	
5KM	Middlesbrough PCT ⁽⁵⁾	E16000053	2,004	1,889	1,731	1,911	1,797	
5D7	Newcastle PCT	E16000017	3,143	3,033	2,820	3,020	2,937	
5D8	North Tyneside PCT	E16000018	2,485	2,457	2,375	2,435	2,415	
TAC	Northumberland Care Trust PCT	E17000001	3,230	3,176	2,998	3,193	3,114	
5QR	Redcar & Cleveland PCT ⁽⁵⁾	E16000146	1,475	1,429	1,347	1,442	1,399	
5KG	South Tyneside PCT	E16000051	1,667	1,646	1,588	1,627	1,619	
5KL	Sunderland Teaching PCT	E16000052	3,121	3,040	2,815	3,058	2,971	
5E1	Stockton-on-Tees Teaching PCT	E16000020	2,374	2,306	2,160	2,289	2,210	
Q31 North West	E18000002	89,470	86,647	81,584	85,299	83,466	81,605	
5HG	Ashton, Leigh & Wigan PCT	E16000032	3,831	3,701	3,553	3,677	3,574	
TAP	Blackburn and Darwen Teaching PCT Plus ⁽¹⁾	E17000006	2,298	2,226	2,090	2,218	2,152	
5HP	Blackpool PCT ⁽³⁾	E16000033	1,709	1,666	1,508	1,644	1,574	
5HQ	Bolton PCT	E16000034	3,939	3,839	3,694	3,776	3,693	
5JX	Bury PCT ⁽⁷⁾	E16000043	2,651	2,540	2,379	2,486	2,411	
5NP	Central & Eastern Cheshire PCT	E16000095	5,217	5,088	4,789	4,988	4,963	
5NG	Central Lancashire PCT ⁽⁴⁾⁽¹⁰⁾	E16000088	5,442	5,280	5,051	5,219	5,121	
5NE	Cumbria PCT	E16000086	5,080	4,975	4,801	4,924	4,909	
5NH	East Lancashire PCT	E16000089	7,418	7,132	6,598	7,086	6,937	
5NM	Halton & St Helens PCT ⁽⁴⁾	E16000093	3,677	3,510	3,204	3,431	3,432	
5NQ	Heywood, Middleton & Rochdale PCT	E16000096	3,062	2,971	2,865	2,911	2,853	
5J4	Knowsley PCT	E16000038	1,905	1,805	1,702	1,797	1,787	
5NL	Liverpool PCT	E16000092	5,378	5,229	4,952	5,155	5,055	
5NT	Manchester PCT	E16000098	7,350	6,999	6,325	6,866	6,306	
5NF	North Lancashire PCT	E16000087	3,174	3,092	2,835	3,038	2,935	
5J5	Oldham PCT	E16000039	3,250	3,165	3,003	3,127	3,047	
5F5	Salford PCT	E16000025	3,170	3,126	3,069	2,947	3,093	
5NJ	Sefton PCT	E16000090	2,768	2,689	2,530	2,640	2,579	
5F7	Stockport PCT	E16000026	3,449	3,341	3,140	3,297	3,220	
5LH	Tameside & Glossop PCT	E16000062	2,984	2,887	2,751	2,841	2,767	
5NR	Trafford PCT	E16000097	2,877	2,806	2,656	2,763	2,724	
5J2	Warrington PCT	E16000037	2,389	2,326	2,193	2,295	2,227	
5NN	Western Cheshire PCT	E16000094	2,667	2,576	2,487	2,521	2,549	
5NK	Wirral PCT	E16000091	3,785	3,678	3,409	3,652	3,558	
Q32 Yorkshire & the Humber	E18000003	66,108	63,987	59,991	63,729	62,295	60,492	
5JE	Bamsley PCT	E16000042	2,855	2,781	2,645	2,803	2,743	
5NY	Bradford & Airedale PCT	E16000102	8,572	8,200	7,621	7,858	7,885	
5J6	Calderdale PCT	E16000040	2,722	2,634	2,381	2,637	2,563	
5N5	Doncaster PCT	E16000078	3,796	3,664	3,372	3,713	3,573	
5NW	East Riding of Yorkshire PCT	E16000100	3,074	3,008	2,868	3,004	2,935	
5NX	Hull PCT	E16000101	3,664	3,580	3,432	3,575	3,461	
5N2	Kirklees PCT	E16000075	5,596	5,446	5,157	5,452	5,307	
5N1	Leeds PCT	E16000074	9,829	9,535	8,901	9,559	9,260	
TAN	North East Lincolnshire PCT	E17000005	1,993	1,939	1,772	1,953	1,921	
5EF	North Lincolnshire PCT	E16000021	1,886	1,826	1,663	1,848	1,761	
5NV	North Yorkshire & York PCT	E16000099	8,227	7,884	7,411	7,805	7,655	
5H8	Rotherham PCT	E16000031	3,118	3,030	2,862	3,045	2,976	
5N4	Sheffield PCT	E16000077	6,672	6,442	6,098	6,428	6,299	
5N3	Wakefield District PCT	E16000076	4,104	4,018	3,808	4,049	3,956	
Q33 East Midlands	E18000004	53,595	52,040	48,561	51,948	50,330	49,017	
5ET	Bassetlaw PCT	E16000023	1,185	1,137	1,018	1,148	1,087	
5N7	Derby City PCT	E16000080	3,741	3,664	3,345	3,684	3,467	
5N6	Derbyshire County PCT	E16000079	7,542	7,417	7,047	7,421	7,245	
5PC	Leicester City PCT	E16000113	5,036	4,867	4,554	4,852	4,696	
5PA	Leicestershire County & Rutland PCT	E16000112	7,322	7,181	6,722	7,171	6,997	
5N9	Lincolnshire PCT	E16000082	7,980	7,614	7,178	7,490	7,450	
5PD	Northamptonshire PCT	E16000114	8,979	8,775	8,325	8,748	8,561	
5EM	Nottingham City PCT	E16000022	4,176	3,940	3,507	3,959	3,654	
5N8	Nottinghamshire County PCT	E16000081	7,634	7,445	6,865	7,475	7,173	
Q34 West Midlands	E18000005	69,418	67,549	63,542	66,732	64,966	64,181	
5PG	Birmingham East & North PCT	E16000117	6,157	5,951	5,535	5,910	5,500	
5MD	Coventry Teaching PCT	E16000070	4,179	4,115	3,975	4,077	3,971	
5PE	Dudley PCT	E16000115	3,531	3,465	3,314	3,314	3,305	
5MX	Heart of Birmingham Teaching PCT	E16000073	5,178	5,039	4,898	5,016	4,856	
5CN	Herefordshire PCT	E16000015	1,872	1,779	1,591	1,779	1,595	

Table 11b: Number of children immunised by their 2nd birthday, by Primary Care Trust 2010-11

		numbers						
		Number immunised by their 2nd birthday						
		ONS Code	Number of children aged 2	Diphtheria Tetanus Polio Pertussis Hib (DTaP/IPV/Hib)	MMR	MenC	Hib/MenC	Pneumococcal Conjugate Vaccine (PCV)
5PH	North Staffordshire PCT	E16000118	2,157	2,126	2,014	2,100	2,104	2,053
5PF	Sandwell PCT ⁽³⁾	E16000116	4,737	4,571	4,166	4,615	4,419	4,212
5M2	Shropshire County PCT	E16000065	2,817	2,770	2,626	2,738	2,717	2,677
TAM	Solihull Care Trust	E17000004	2,469	2,419	2,195	2,432	2,347	2,245
5M1	South Birmingham PCT	E16000064	4,740	4,562	4,258	4,550	4,343	4,297
5PK	South Staffordshire PCT	E16000120	6,962	6,813	6,266	6,789	6,539	6,372
5PJ	Stoke on Trent PCT	E16000119	3,770	3,688	3,540	3,626	3,656	3,578
5MK	Telford & Wrekin PCT	E16000071	2,195	2,145	2,039	2,105	2,085	2,066
5M3	Walsall Teaching PCT	E16000066	3,318	3,276	3,152	3,270	3,191	3,194
5PM	Warwickshire PCT	E16000122	5,639	5,566	5,365	5,549	5,380	5,399
5MV	Wolverhampton City PCT	E16000072	3,453	3,227	2,995	3,171	3,121	3,033
5PL	Worcestershire PCT	E16000121	6,244	6,037	5,613	5,691	5,837	5,662
Q35	East of England	E18000006	72,873	70,175	64,617	70,433	68,044	65,606
5P2	Bedfordshire PCT	E16000104	5,397	5,249	4,919	5,253	5,109	4,985
5PP	Cambridgeshire PCT	E16000124	7,374	7,091	6,554	7,068	6,921	6,600
5PR	Great Yarmouth & Waveney PCT	E16000126	2,475	2,382	2,127	2,403	2,286	2,161
5QV	Hertfordshire PCT ⁽²⁾	E16000150	15,301	14,654	13,598	14,797	14,277	13,712
5GC	Luton PCT ⁽⁴⁾	E16000029	3,469	3,304	3,010	3,322	3,117	3,052
5PX	Mid Essex PCT ⁽⁸⁾	E16000130	4,260	4,164	3,761	4,188	4,037	4,197
5PQ	Norfolk PCT	E16000125	7,930	7,653	6,957	7,655	7,359	7,010
5PW	North East Essex PCT	E16000129	3,561	3,394	3,106	3,417	3,293	3,139
5PN	Peterborough PCT	E16000123	2,884	2,746	2,492	2,727	2,608	2,487
5P1	South East Essex PCT	E16000103	3,987	3,840	3,531	3,869	3,756	3,570
5PY	South West Essex PCT	E16000131	5,734	5,564	5,147	5,589	5,452	5,217
5PT	Suffolk PCT	E16000127	6,962	6,689	6,228	6,710	6,467	6,255
5PV	West Essex PCT	E16000128	3,539	3,445	3,187	3,435	3,362	3,221
Q36	London	E18000007	125,723	116,734	105,294	112,914	106,719	103,590
5C2	Barking & Dagenham PCT	E16000009	3,821	3,389	3,109	2,963	3,034	2,987
5A9	Barnet PCT	E16000006	5,405	5,137	4,844	4,874	4,842	4,670
TAK	Bexley Care Trust	E17000002	3,016	2,824	2,451	2,828	2,581	2,395
5K5	Brent Teaching PCT	E16000045	4,823	4,518	4,255	4,223	4,305	4,147
5A7	Bromley PCT	E16000004	4,210	3,933	3,518	3,877	3,609	3,482
5K7	Camden PCT	E16000047	2,845	2,570	2,198	2,516	2,247	2,172
5C3	City & Hackney Teaching PCT	E16000010	4,262	3,819	3,213	3,481	3,159	3,786
5K9	Croydon PCT	E16000049	5,293	4,974	4,344	4,983	4,545	4,285
5HX	Ealing PCT	E16000035	5,885	5,630	5,092	5,274	5,124	5,070
5C1	Enfield PCT	E16000008	4,647	4,058	3,584	4,026	3,641	3,432
5A8	Greenwich Teaching PCT ⁽⁹⁾	E16000005	4,512	4,167	3,725	4,115	3,757	3,531
5H1	Hammersmith & Fulham PCT	E16000030	2,730	2,526	2,197	2,466	2,294	2,174
5C9	Haringey Teaching PCT ⁽⁶⁾	E16000013	3,958	3,650	3,377	3,529	3,303	3,274
5K6	Harrow PCT	E16000046	3,116	3,008	2,744	2,847	2,954	2,667
5A4	Havering PCT	E16000002	3,017	2,849	2,583	2,797	2,705	2,520
5AT	Hillingdon PCT	E16000007	3,881	3,733	3,454	3,654	3,555	3,468
5HY	Hounslow PCT	E16000036	4,280	3,983	3,499	3,857	3,433	3,454
5K8	Islington PCT	E16000048	2,829	2,646	2,417	2,585	2,422	2,325
5LA	Kensington & Chelsea PCT	E16000056	1,826	1,722	1,572	1,684	1,574	1,543
5A5	Kingston PCT	E16000003	2,683	2,550	2,246	2,491	2,227	2,202
5LD	Lambeth PCT	E16000058	4,609	4,301	3,793	4,260	3,842	3,695
5LF	Lewisham PCT ⁽³⁾	E16000060	4,566	4,192	3,708	4,146	3,699	3,497
5C5	Newham PCT ⁽³⁾	E16000012	6,087	5,387	4,920	4,983	5,039	4,263
5NA	Redbridge PCT	E16000083	4,184	3,874	3,565	3,736	3,606	3,503
5M6	Richmond & Twickenham PCT	E16000067	3,001	2,842	2,559	2,775	2,590	2,530
5LE	Southwark PCT	E16000059	4,540	4,148	3,652	4,108	3,742	3,575
5M7	Sutton & Merton PCT	E16000068	5,745	5,273	4,690	5,177	4,501	4,418
5C4	Tower Hamlets PCT	E16000011	3,878	3,790	3,659	3,706	3,654	3,624
5NC	Waltham Forest PCT	E16000084	4,562	4,323	3,967	4,235	4,080	3,896
5LG	Wandsworth PCT ⁽⁴⁾	E16000061	5,042	4,617	4,154	4,522	4,428	4,802
5LC	Westminster PCT	E16000057	2,470	2,301	2,205	2,196	2,227	2,203
Q37	South East Coast	E18000008	52,232	49,654	46,134	49,083	47,303	46,018
5LQ	Brighton & Hove City PCT	E16000063	3,145	2,948	2,701	2,893	2,809	2,719
5P7	East Sussex Downs & Weald PCT	E16000109	3,443	3,316	3,037	3,277	3,193	3,082
5QA	Eastern & Coastal Kent PCT	E16000132	8,549	8,229	7,658	8,174	7,787	7,618
5P8	Hastings & Rother PCT	E16000110	1,818	1,718	1,596	1,699	1,676	1,636
5L3	Medway PCT	E16000055	3,308	3,244	3,086	3,216	3,140	3,076
5P5	Surrey PCT ⁽⁴⁾	E16000107	14,676	13,397	12,068	13,229	12,303	11,858
5P9	West Kent PCT	E16000111	8,136	7,968	7,619	7,892	7,730	7,665
5P6	West Sussex PCT	E16000108	9,157	8,834	8,369	8,703	8,665	8,364
Q38	South Central	E18000009	53,034	51,430	48,434	50,501	49,194	48,282
5QG	Berkshire East PCT	E16000137	5,971	5,764	5,401	5,704	5,429	5,357
5QF	Berkshire West PCT	E16000136	6,662	6,414	6,071	6,244	6,068	5,953
5QD	Buckinghamshire PCT	E16000134	6,416	6,314	5,931	6,287	5,968	6,056

Table 11b: Number of children immunised by their 2nd birthday, by Primary Care Trust 2010-11

		numbers						
		Number immunised by their 2nd birthday						
	ONS Code	Number of children aged 2	Diphtheria Tetanus Polio Pertussis Hib (DTaP/IPV/Hib)	MMR	MenC	Hib/MenC	Pneumococcal Conjugate Vaccine (PCV)	
5QC	Hampshire PCT	E16000133	14,889	14,411	13,529	14,277	13,932	13,467
5QT	Isle of Wight Healthcare PCT	E16000147	1,269	1,208	1,112	1,179	1,143	1,104
5CQ	Milton Keynes PCT	E16000016	4,008	3,869	3,654	3,819	3,706	3,607
5QE	Oxfordshire PCT	E16000135	7,855	7,673	7,335	7,257	7,463	7,423
5FE	Portsmouth City Teaching PCT	E16000027	2,697	2,624	2,412	2,599	2,514	2,390
5L1	Southampton City PCT	E16000054	3,267	3,153	2,989	3,135	2,971	2,925
Q39	South West	E18000010	58,453	56,499	52,389	56,058	53,789	52,691
5FL	Bath & North East Somerset PCT	E16000028	1,900	1,843	1,696	1,824	1,745	1,727
5QN	Bournemouth & Poole PCT ⁽⁴⁾	E16000143	4,042	3,836	3,230	3,809	3,432	3,222
5QJ	Bristol PCT	E16000139	6,028	5,804	5,171	5,701	5,429	5,131
5QP	Cornwall & Isles of Scilly PCT	E16000144	5,531	5,312	4,897	5,199	5,071	4,884
5QQ	Devon PCT	E16000145	7,345	7,094	6,610	7,046	6,781	6,690
5QM	Dorset PCT	E16000142	3,649	3,415	3,101	3,425	3,185	3,144
5QH	Gloucestershire PCT	E16000138	6,161	5,941	5,812	6,009	5,799	5,842
5M8	North Somerset PCT	E16000069	2,378	2,338	2,165	2,314	2,263	2,179
5F1	Plymouth Teaching PCT	E16000024	3,163	3,087	2,905	3,080	2,964	2,905
5QL	Somerset PCT	E16000141	5,241	5,124	4,936	5,084	4,923	4,986
5A3	South Gloucestershire PCT	E16000001	3,101	3,054	2,900	2,996	2,947	2,921
5K3	Swindon PCT	E16000044	2,991	2,847	2,637	2,812	2,694	2,665
TAL	Torbay Care Trust ⁽⁴⁾	E17000003	1,433	1,400	1,298	1,397	1,336	1,312
5QK	Wiltshire PCT	E16000140	5,490	5,404	5,031	5,362	5,220	5,083

⁽¹⁾ On 1st April 2010, 5CC - Blackburn with Darwen PCT became TAP - Blackburn and Darwen Teaching PCT Plus

⁽²⁾ On 1st April 2010, 5P3 - East & North Hertfordshire PCT and 5P4 - West Hertfordshire PCT merged to create 5QV - Hertfordshire PCT

⁽³⁾ 4 PCTs experienced data quality issues and thus may not present an accurate reflection of actual coverage.

⁽⁴⁾ 7 PCTs experienced data quality issues as a result of a recent migration to a new child health information system or problems with their existing child health information system.

⁽⁵⁾ 2 PCTs submitted partial datasets due to the unavailability of data from certain parts of the PCT.

⁽⁶⁾ 1 PCT submitted estimated datasets based on data from 38 out of 53 GP practices.

⁽⁷⁾ Following submission of COVER data, Bury PCT reported that their data required updating. Due to late submission, it has not been possible to include the revised 2010-11 data in this year's publication.

⁽⁸⁾ 1 PCT reported that their data for 2009-10 was incorrect.

⁽⁹⁾ 1 PCT reported that there were data quality issues with their 2009-10 submission

⁽¹⁰⁾ 1 PCT submitted partial datasets due to a PCT merger in quarter 4 of 2010-11.

Source: COVER

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Table 12: Percentage of children immunised by their 5th birthday, by Strategic Health Authority 2010-11

percentages and thousands

		Percentage immunised by their 5th birthday						
Eng	ONS Code	Number of children aged 5 (thousands) (=100%)	Diphtheria Tetanus, Polio	Hib	Diphtheria Tetanus, Polio, Pertussis	MMR		
			Primary %	Primary %	Booster %	first dose %	first and second dose %	
England		620.3	94.7	94.2	85.9	91.9	84.2	
Q30	North East	E18000001	27.4	96.5	96.0	90.5	94.4	88.7
Q31	North West	E18000002	84.4	96.1	94.9	88.2	94.3	86.4
Q32	Yorkshire and the Humber	E18000003	62.1	96.3	95.6	88.0	93.6	87.0
Q33	East Midlands	E18000004	50.1	96.0	95.8	88.9	93.6	86.7
Q34	West Midlands	E18000005	62.6	96.6	95.4	90.3	94.0	87.4
Q35	East of England	E18000006	68.6	95.0	94.0	87.2	89.6	84.5
Q36	London	E18000007	112.1	90.0	90.2	74.7	88.2	76.6
Q37	South East Coast	E18000008	48.5	92.5	92.6	84.4	89.0	80.9
Q38	South Central	E18000009	49.6	95.7	95.3	89.6	93.6	86.8
Q39	South West	E18000010	54.8	96.7	96.3	89.1	92.9	85.3

Source: COVER

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Table 12a: Percentage of children immunised by their 5th birthday, by Primary Care Trust 2010-11

percentages and thousands

		Percentage immunised by their 5th birthday						
Eng	ONS Code	Number of children aged 5 (thousands) (=100%)	Diphtheria Tetanus, Polio	Hib	Diphtheria Tetanus, Polio, Pertussis	MMR		
			Primary %	Primary %	Booster %	first dose %	first and second dose %	
England		620.3	94.7	94.2	85.9	91.9	84.2	
Q30 North East	E18000001	27.4	96.5	96.0	90.5	94.4	88.7	
5ND	County Durham PCT	E16000085	4.3	94.2	93.6	91.9	93.5	90.2
5J9	Darlington PCT	E16000041	1.2	98.7	98.1	88.6	96.0	85.9
5KF	Gateshead PCT	E16000050	2.1	97.0	96.6	85.3	95.0	82.6
5D9	Hartlepool PCT ⁽⁶⁾	E16000019	1.2	95.8	95.3	87.4	95.3	87.2
5KM	Middlesbrough PCT ⁽⁵⁾	E16000053	1.9	94.6	94.3	87.7	92.7	88.0
5D7	Newcastle PCT	E16000017	2.8	94.7	92.7	89.2	93.6	87.0
5D8	North Tyneside PCT	E16000018	2.4	98.0	97.8	94.3	96.8	92.0
TAC	Northumberland Care Trust PCT	E17000001	3.3	96.9	97.0	93.2	92.8	91.4
5QR	Redcar & Cleveland PCT ⁽⁵⁾	E16000146	1.5	98.0	98.0	93.5	95.7	91.9
5KG	South Tyneside PCT	E16000051	1.5	98.4	98.4	90.4	95.5	87.6
5KL	Sunderland Teaching PCT	E16000052	2.9	97.9	97.7	88.6	93.5	87.0
5E1	Stockton-on-Tees Teaching PCT	E16000020	2.3	97.0	96.8	91.9	95.6	89.6
Q31 North West	E18000002	84.4	96.1	94.9	88.2	94.3	86.4	
5HG	Ashton, Leigh & Wigan PCT	E16000032	3.7	96.4	96.0	89.4	94.1	87.6
TAP	Blackburn and Darwen Teaching PCT Plus ⁽¹⁾	E17000006	1.9	97.3	96.7	88.9	95.9	87.3
5HP	Blackpool PCT ⁽³⁾	E16000033	1.6	96.1	95.4	85.3	93.8	83.0
5HQ	Bolton PCT	E16000034	3.8	97.6	96.7	91.5	95.6	89.9
5JX	Bury PCT ⁽⁸⁾	E16000043	2.6	94.9	94.2	86.1	93.6	82.5
5NP	Central & Eastern Cheshire PCT	E16000095	5.1	97.5	94.2	89.0	95.1	87.4
5NG	Central Lancashire PCT ⁽⁴⁾⁽¹¹⁾	E16000088	5.2	97.1	96.3	90.2	94.0	89.0
5NE	Cumbria PCT	E16000086	5.0	96.3	96.1	92.8	95.9	91.4
5NH	East Lancashire PCT	E16000089	6.8	96.1	95.8	85.2	94.8	83.0
5NM	Halton & St Helens PCT ⁽⁴⁾	E16000093	3.6	95.4	90.3	78.6	92.0	79.9
5NQ	Heywood, Middleton & Rochdale PCT	E16000096	2.8	97.6	97.0	91.5	95.4	88.4
5J4	Knowsley PCT	E16000038	1.9	96.3	88.2	87.9	93.9	86.0
5NL	Liverpool PCT	E16000092	4.9	96.3	95.8	88.0	94.5	85.6
5NT	Manchester PCT	E16000098	6.3	92.8	91.9	81.3	91.1	81.0
5NF	North Lancashire PCT	E16000087	3.0	94.2	94.2	87.8	92.4	86.0
5J5	Oldham PCT	E16000039	3.0	97.9	96.3	92.1	96.7	92.0
5F5	Salford PCT	E16000025	2.9	97.6	97.6	95.3	97.3	95.1
5NJ	Sefton PCT	E16000090	2.6	96.9	96.1	89.0	94.9	85.3
5F7	Stockport PCT	E16000026	3.1	96.2	95.9	89.3	96.1	85.9
5LH	Tameside & Glossop PCT	E16000062	2.8	97.3	96.4	88.4	95.5	87.1
5NR	Trafford PCT	E16000097	2.9	94.4	94.4	88.4	93.0	85.4
5J2	Warrington PCT	E16000037	2.4	95.2	94.4	88.1	92.2	84.6
5NN	Western Cheshire PCT	E16000094	2.6	94.6	91.3	86.9	91.8	85.6
5NK	Wirral PCT	E16000091	3.7	96.3	96.2	91.1	94.7	88.2
Q32 Yorkshire & the Humber	E18000003	62.1	96.3	95.6	88.0	93.6	87.0	
5JE	Barnsley PCT	E16000042	2.6	98.6	98.1	94.7	95.9	92.7
5NY	Bradford & Airedale PCT	E16000102	8.1	95.1	94.4	84.8	93.7	85.0
5J6	Calderdale PCT	E16000040	2.7	96.6	96.2	82.7	93.5	81.6
5N5	Doncaster PCT	E16000078	3.6	96.5	95.7	88.6	92.9	87.4
5NW	East Riding of Yorkshire PCT	E16000100	3.1	96.7	96.4	90.8	93.3	89.0
5NX	Hull PCT	E16000101	3.2	97.0	95.8	89.1	94.9	87.4
5N2	Kirklees PCT	E16000075	5.3	98.0	97.0	91.7	95.8	90.2
5N1	Leeds PCT	E16000074	9.0	95.1	94.3	85.5	92.1	84.5
TAN	North East Lincolnshire PCT	E17000005	1.9	97.6	97.4	88.5	93.3	86.6
5EF	North Lincolnshire PCT	E16000021	1.9	97.7	97.5	87.1	93.6	84.6
5NV	North Yorkshire & York PCT	E16000099	7.9	96.3	95.6	87.0	93.0	87.3
5H8	Rotherham PCT	E16000031	2.9	96.4	95.5	90.8	94.0	89.1
5N4	Sheffield PCT	E16000077	6.1	95.0	94.3	87.9	92.8	86.4
5N3	Wakefield District PCT	E16000076	3.9	96.6	96.1	91.6	94.4	90.0
Q33 East Midlands	E18000004	50.1	96.0	95.8	88.9	93.6	86.7	
5ET	Bassetlaw PCT	E16000023	1.2	96.8	96.2	77.9	93.6	76.5
5N7	Derby City PCT	E16000080	3.3	98.1	97.0	88.8	95.8	88.3
5N6	Derbyshire County PCT	E16000079	7.4	98.4	98.5	93.4	96.2	90.5
5PC	Leicester City PCT	E16000113	4.6	96.6	94.9	89.7	94.1	88.4
5PA	Leicestershire County & Rutland PCT	E16000112	7.2	98.2	97.4	92.9	95.1	90.7
5N9	Lincolnshire PCT	E16000082	7.5	92.9	93.4	84.0	92.3	81.7
5PD	Northamptonshire PCT	E16000114	8.1	93.8	94.6	89.2	92.8	86.1
5EM	Nottingham City PCT	E16000022	3.6	92.6	91.7	82.7	87.8	81.3
5N8	Nottinghamshire County PCT	E16000081	7.1	97.5	97.2	89.3	93.3	87.1
Q34 West Midlands	E18000005	62.6	96.6	95.4	90.3	94.0	87.4	
5PG	Birmingham East & North PCT	E16000117	5.1	95.8	95.3	90.3	94.6	86.8
5MD	Coventry Teaching PCT	E16000070	3.2	97.9	97.6	95.1	97.8	93.6
5PE	Dudley PCT	E16000115	3.5	98.2	97.4	92.8	94.7	89.0
5MX	Heart of Birmingham Teaching PCT	E16000073	4.4	94.6	93.6	92.2	96.1	92.5
5CN	Herefordshire PCT	E16000015	1.8	93.8	94.2	84.7	89.0	80.8
5PH	North Staffordshire PCT	E16000118	2.0	98.8	97.3	94.7	96.0	92.2
5PF	Sandwell PCT ⁽³⁾	E16000116	4.0	95.6	86.8	84.9	92.6	83.6

Table 12a: Percentage of children immunised by their 5th birthday, by Primary Care Trust 2010-11

percentages and thousands

			Percentage immunised by their 5th birthday					
ONS Code		Number of children aged 5 (thousands) (=100%)	Diphtheria Tetanus, Polio	Hib	Diphtheria Tetanus, Polio, Pertussis	MMR		
			Primary %	Primary %	Booster %	first dose %	first and second dose %	
5M2	Shropshire County PCT	E16000065	2.9	97.7	97.5	93.7	95.1	90.0
TAM	Solihull Care Trust	E17000004	2.5	96.0	95.9	89.5	91.1	85.7
5M1	South Birmingham PCT	E16000064	3.9	95.7	95.3	85.6	93.4	82.7
5PK	South Staffordshire PCT	E16000120	6.7	97.5	97.6	90.5	92.3	85.6
5PJ	Stoke on Trent PCT	E16000119	3.3	97.6	93.3	92.6	96.0	90.6
5MK	Telford & Wrekin PCT	E16000071	2.1	97.7	97.1	92.8	95.2	89.8
5M3	Walsall Teaching PCT	E16000066	2.7	98.3	98.4	96.7	96.1	94.1
5PM	Warwickshire PCT	E16000122	5.2	97.3	97.2	94.7	95.2	91.7
5MV	Wolverhampton City PCT	E16000072	3.1	94.6	93.4	80.8	90.7	79.3
5PL	Worcestershire PCT	E16000121	6.2	95.8	95.4	86.1	92.1	82.2
Q35	East of England	E18000006	68.6	95.0	94.0	87.2	89.6	84.5
5P2	Bedfordshire PCT	E16000104	5.2	97.2	96.9	89.5	92.1	86.5
5PP	Cambridgeshire PCT	E16000124	6.8	92.6	91.9	87.9	88.0	85.5
5PR	Great Yarmouth & Waveney PCT	E16000126	2.3	93.5	93.2	82.6	88.7	80.6
5QV	Hertfordshire PCT ⁽²⁾	E16000150	14.2	95.5	95.2	88.0	89.1	85.0
5GC	Luton PCT ⁽⁴⁾	E16000029	3.2	93.6	82.9	80.4	88.4	79.1
5PX	Mid Essex PCT ⁽⁹⁾	E16000130	4.3	97.2	96.9	89.0	89.1	85.4
5PQ	Norfolk PCT	E16000125	7.4	96.0	95.4	85.5	90.5	83.1
5PW	North East Essex PCT	E16000129	3.4	93.2	92.7	85.5	89.1	83.2
5PN	Peterborough PCT	E16000123	2.4	94.1	91.5	83.2	90.9	81.7
5P1	South East Essex PCT	E16000103	3.8	95.3	94.6	88.9	90.4	86.4
5PY	South West Essex PCT	E16000131	5.3	95.7	95.2	89.5	91.1	86.5
5PT	Suffolk PCT	E16000127	6.9	94.0	93.2	87.5	89.5	84.6
5PV	West Essex PCT	E16000128	3.4	95.7	95.5	89.0	88.8	85.3
Q36	London	E18000007	112.1	90.0	90.2	74.7	88.2	76.6
5C2	Barking & Dagenham PCT	E16000009	3.3	83.3	84.5	70.1	85.9	69.4
5A9	Barnet PCT	E16000006	4.8	93.2	92.4	86.7	90.9	82.6
TAK	Bexley Care Trust	E17000002	2.8	94.7	94.7	80.3	88.2	79.0
5K5	Brent Teaching PCT	E16000045	4.2	94.4	86.5	78.3	92.7	82.2
5A7	Bromley PCT	E16000004	3.9	94.6	94.5	75.7	88.9	77.0
5K7	Camden PCT	E16000047	2.5	87.0	87.4	63.1	81.5	61.0
5C3	City & Hackney Teaching PCT	E16000010	3.8	89.9	89.9	57.7	86.5	64.8
5K9	Croydon PCT	E16000049	4.8	92.7	92.7	76.5	89.7	75.1
5HX	Ealing PCT	E16000035	5.3	93.8	93.8	84.6	92.0	80.1
5C1	Enfield PCT	E16000008	4.5	82.1	82.7	69.8	82.5	67.6
5A8	Greenwich Teaching PCT ⁽¹⁰⁾	E16000005	3.8	91.0	91.7	80.1	88.8	80.0
5H1	Hammersmith & Fulham PCT	E16000030	2.4	92.2	92.0	67.6	85.2	69.0
5C9	Haringey Teaching PCT ⁽⁷⁾	E16000013	3.4	87.9	87.9	54.4	84.3	77.8
5K6	Harrow PCT	E16000046	2.9	77.8	92.6	77.8	93.9	78.4
5A4	Havering PCT	E16000002	2.9	94.3	94.8	83.2	89.0	78.7
5AT	Hillingdon PCT	E16000007	3.6	94.6	94.1	89.8	91.4	86.8
5HY	Hounslow PCT	E16000036	3.9	89.1	89.1	67.2	88.9	68.0
5K8	Islington PCT	E16000048	2.3	92.5	93.0	77.6	88.2	75.0
5LA	Kensington & Chelsea PCT	E16000056	1.8	89.6	89.3	64.0	87.4	66.4
5A5	Kingston PCT	E16000003	2.3	93.4	93.3	74.7	89.2	82.2
5LD	Lambeth PCT	E16000058	4.1	92.9	93.3	73.8	88.5	75.2
5LF	Lewisham PCT ⁽³⁾	E16000060	4.2	90.3	90.3	62.5	85.3	65.8
5C5	Newham PCT ⁽³⁾	E16000012	5.5	84.7	84.6	69.6	81.1	77.0
5NA	Redbridge PCT	E16000083	3.8	89.8	89.8	78.8	88.1	77.2
5M6	Richmond & Twickenham PCT	E16000067	2.7	90.7	91.1	70.7	85.0	75.8
5LE	Southwark PCT	E16000059	3.9	86.5	86.9	67.7	83.7	68.9
5M7	Sutton & Merton PCT	E16000068	5.2	86.9	87.4	72.7	87.9	79.8
5C4	Tower Hamlets PCT	E16000011	3.3	95.5	96.3	94.4	95.7	93.7
5NC	Waltham Forest PCT	E16000084	3.9	91.9	91.4	82.1	89.5	80.7
5LG	Wandsworth PCT ⁽⁴⁾	E16000061	4.1	85.1	85.1	72.6	92.2	86.7
5LC	Westminster PCT	E16000057	2.1	91.1	91.1	88.8	91.4	87.6
Q37	South East Coast	E18000008	48.5	92.5	92.6	84.4	89.0	80.9
5LQ	Brighton & Hove City PCT	E16000063	2.9	91.6	91.1	80.4	88.8	76.8
5P7	East Sussex Downs & Weald PCT	E16000109	3.4	95.0	94.8	85.7	92.4	83.3
5QA	Eastern & Coastal Kent PCT	E16000132	7.4	96.3	96.7	90.1	93.5	87.0
5P8	Hastings & Rother PCT	E16000110	1.8	93.7	93.5	85.5	92.8	82.9
5L3	Medway PCT	E16000055	2.9	95.3	95.3	94.1	93.4	89.3
5P5	Surrey PCT ⁽⁴⁾	E16000107	14.3	87.7	87.8	73.2	80.6	70.1
5P9	West Kent PCT	E16000111	7.1	93.7	94.9	91.4	92.3	87.4
5P6	West Sussex PCT	E16000108	8.9	94.5	93.9	89.3	92.8	85.2
Q38	South Central	E18000009	49.6	95.7	95.3	89.6	93.6	86.8
5QG	Berkshire East PCT	E16000137	5.4	93.3	93.1	85.8	91.0	83.4
5QF	Berkshire West PCT	E16000136	6.0	96.0	94.9	87.7	94.8	85.4
5QD	Buckinghamshire PCT	E16000134	6.1	96.2	96.4	91.2	93.4	87.3
5QC	Hampshire PCT	E16000133	14.7	95.6	95.0	89.9	92.8	86.6
5QT	Isle of Wight Healthcare PCT	E16000147	1.4	95.1	94.3	83.6	92.0	80.5
5CQ	Milton Keynes PCT	E16000016	3.6	95.7	95.8	90.0	94.4	87.1
5QE	Oxfordshire PCT	E16000135	7.4	97.6	97.6	94.7	96.1	92.7

Table 12a: Percentage of children immunised by their 5th birthday, by Primary Care Trust 2010-11

percentages and thousands

		Percentage immunised by their 5th birthday						
	ONS Code	Number of children aged 5 (thousands) (=100%)	Diphtheria Tetanus, Polio	Hib	Diphtheria Tetanus, Polio, Pertussis	MMR		
			Primary %	Primary %	Booster %	first dose %	first and second dose %	
5FE	Portsmouth City Teaching PCT	E16000027	2.3	95.9	95.2	85.4	93.8	83.8
5L1	Southampton City PCT	E16000054	2.9	94.5	94.3	88.7	93.7	86.7
Q39	South West	E18000010	54.8	96.7	96.3	89.1	92.9	85.3
5FL	Bath & North East Somerset PCT	E16000028	1.9	97.7	97.4	90.1	92.2	84.5
5QN	Bournemouth & Poole PCT ⁽⁴⁾	E16000143	3.4	96.6	96.6	85.3	92.5	82.8
5QJ	Bristol PCT	E16000139	5.1	94.9	93.8	81.8	91.3	77.8
5QP	Cornwall & Isles of Scilly PCT	E16000144	5.4	95.5	95.1	87.2	92.6	84.4
5QQ	Devon PCT	E16000145	7.5	96.2	95.9	89.2	90.8	84.8
5QM	Dorset PCT	E16000142	3.6	97.0	97.3	86.5	92.9	84.0
5QH	Gloucestershire PCT	E16000138	5.3	95.4	95.5	91.9	92.6	88.2
5M8	North Somerset PCT	E16000069	2.3	97.7	97.4	90.1	94.6	85.3
5F1	Plymouth Teaching PCT	E16000024	2.8	97.7	97.1	90.3	94.6	87.3
5QL	Somerset PCT	E16000141	5.0	98.2	97.6	95.0	95.1	91.5
5A3	South Gloucestershire PCT	E16000001	3.0	97.2	96.8	94.0	94.2	89.0
5K3	Swindon PCT	E16000044	2.7	96.5	95.8	87.0	93.0	83.0
TAL	Torbay Care Trust ⁽⁴⁾	E17000003	1.4	96.8	96.9	87.0	90.9	83.3
5QK	Wiltshire PCT	E16000140	5.2	98.1	98.1	90.8	94.2	86.2

⁽¹⁾ On 1st April 2010, 5CC - Blackburn with Darwen PCT became TAP - Blackburn and Darwen Teaching PCT Plu

⁽²⁾ On 1st April 2010, 5P3 - East & North Hertfordshire PCT and 5P4 - West Hertfordshire PCT merged to create 5QV - Hertfordshire PCT

⁽³⁾ 4 PCTs experienced data quality issues and thus may not present an accurate reflection of actual coverage

⁽⁴⁾ 7 PCTs experienced data quality issues as a result of a recent migration to a new Child Health system or problems with their existing Child Health system.

⁽⁵⁾ 2 PCTs submitted partial datasets due to the unavailability of data from certain parts of the PCT

⁽⁶⁾ 1 PCT submitted partial datasets due to the unavailability of data from certain regions for Hib/MenC and PCV

⁽⁷⁾ 1 PCT submitted estimated datasets based on data from 38 out of 53 GP practices.

⁽⁸⁾ Following submission of COVER data, Bury PCT reported that their data required updating. Due to late submission, it has not been possible to include the revised 2010-11 data in this year's publication.

⁽⁹⁾ 1 PCT reported that their data for 2009-10 was incorrect

⁽¹⁰⁾ 1 PCT reported that there were data quality issues with their 2009-10 submission.

⁽¹¹⁾ 1 PCT submitted partial datasets due to a PCT merger in quarter 4 of 2010-11.

Source: COVER

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Table 12b: Number of children immunised by their 5th birthday, by Primary Care Trust 2010-11

		Number immunised by their 5th birthday					numbers	
Eng	ONS Code	Number of children aged 5 (thousands)	Diphtheria Tetanus, Polio	Hib	Diphtheria Tetanus, Polio, Pertussis	MMR		
			Primary	Primary	Booster	first dose	first and second dose	
England		620,342	587,460	584,298	532,815	570,230	522,384	
Q30 North East	E18000001	27,394	26,435	26,311	24,788	25,855	24,293	
5ND County Durham PCT	E16000085	4,341	4,089	4,063	3,989	4,061	3,914	
5J9 Darlington PCT	E16000041	1,187	1,172	1,164	1,052	1,140	1,020	
5KF Gateshead PCT	E16000050	2,129	2,066	2,056	1,815	2,023	1,758	
5D9 Hartlepool PCT ⁽⁶⁾	E16000019	1,157	1,108	1,103	1,011	1,103	1,009	
5KM Middlesbrough PCT ⁽⁵⁾	E16000053	1,881	1,780	1,774	1,650	1,743	1,655	
5D7 Newcastle PCT	E16000017	2,795	2,647	2,591	2,492	2,616	2,431	
5D8 North Tyneside PCT	E16000018	2,426	2,377	2,372	2,287	2,349	2,232	
TAC Northumberland Care Trust PCT	E17000001	3,273	3,172	3,175	3,050	3,037	2,992	
5QR Redcar & Cleveland PCT ⁽⁵⁾	E16000146	1,499	1,469	1,469	1,401	1,435	1,378	
5KG South Tyneside PCT	E16000051	1,517	1,493	1,493	1,371	1,448	1,329	
5KL Sunderland Teaching PCT	E16000052	2,926	2,866	2,860	2,591	2,737	2,547	
5E1 Stockton-on-Tees Teaching PCT	E16000020	2,263	2,196	2,191	2,079	2,163	2,028	
Q31 North West	E18000002	84,387	81,108	80,118	74,419	79,580	72,944	
5HG Ashton, Leigh & Wigan PCT	E16000032	3,708	3,574	3,559	3,314	3,490	3,250	
TAP Blackburn and Darwen Teaching PCT Plus ⁽¹⁾	E17000006	1,897	1,845	1,835	1,687	1,820	1,656	
5HP Blackpool PCT ⁽³⁾	E16000033	1,610	1,548	1,536	1,374	1,510	1,336	
5HQ Bolton PCT	E16000034	3,813	3,720	3,686	3,487	3,644	3,426	
5JX Bury PCT ⁽⁸⁾	E16000043	2,582	2,450	2,433	2,222	2,416	2,129	
5NP Central & Eastern Cheshire PCT	E16000095	5,059	4,934	4,765	4,503	4,812	4,422	
5NG Central Lancashire PCT ⁽⁴⁾⁽¹¹⁾	E16000088	5,227	5,075	5,035	4,716	4,914	4,653	
5NE Cumbria PCT	E16000086	5,037	4,853	4,840	4,674	4,828	4,603	
5NH East Lancashire PCT	E16000089	6,773	6,512	6,488	5,769	6,421	5,620	
5NM Halton & St Helens PCT ⁽⁴⁾	E16000093	3,624	3,458	3,272	2,849	3,335	2,895	
5NQ Heywood, Middleton & Rochdale PCT	E16000096	2,825	2,758	2,739	2,585	2,696	2,496	
5J4 Knowsley PCT	E16000038	1,927	1,855	1,700	1,694	1,809	1,658	
5NL Liverpool PCT	E16000092	4,903	4,723	4,698	4,315	4,635	4,195	
5NT Manchester PCT	E16000098	6,343	5,886	5,827	5,155	5,778	5,140	
5NF North Lancashire PCT	E16000087	3,027	2,851	2,851	2,658	2,797	2,604	
5J5 Oldham PCT	E16000039	3,014	2,950	2,901	2,775	2,914	2,773	
5F5 Salford PCT	E16000025	2,859	2,789	2,789	2,725	2,783	2,718	
5NJ Sefton PCT	E16000090	2,635	2,553	2,531	2,344	2,500	2,248	
5F7 Stockport PCT	E16000026	3,127	3,008	2,998	2,792	3,005	2,687	
5LH Tameside & Glossop PCT	E16000062	2,809	2,733	2,709	2,483	2,683	2,448	
5NR Trafford PCT	E16000097	2,881	2,721	2,721	2,546	2,680	2,461	
5J2 Warrington PCT	E16000037	2,360	2,247	2,228	2,080	2,176	1,997	
5NN Western Cheshire PCT	E16000094	2,625	2,482	2,396	2,280	2,409	2,248	
5NK Wirral PCT	E16000091	3,722	3,583	3,581	3,392	3,525	3,281	
Q32 Yorkshire & the Humber	E18000003	62,121	59,804	59,368	54,684	58,141	54,028	
5JE Barnsley PCT	E16000042	2,550	2,514	2,501	2,414	2,446	2,365	
5NY Bradford & Airedale PCT	E16000102	8,112	7,713	7,655	6,882	7,599	6,896	
5J6 Calderdale PCT	E16000040	2,650	2,559	2,548	2,192	2,479	2,162	
5N5 Doncaster PCT	E16000078	3,555	3,432	3,403	3,148	3,301	3,107	
5NW East Riding of Yorkshire PCT	E16000100	3,060	2,959	2,950	2,780	2,855	2,723	
5NX Hull PCT	E16000101	3,225	3,128	3,089	2,874	3,061	2,819	
5N2 Kirklees PCT	E16000075	5,300	5,195	5,141	4,861	5,079	4,778	
5N1 Leeds PCT	E16000074	9,005	8,566	8,490	7,700	8,297	7,608	
TAN North East Lincolnshire PCT	E17000005	1,936	1,890	1,885	1,713	1,806	1,676	
5EF North Lincolnshire PCT	E16000021	1,853	1,810	1,806	1,614	1,735	1,567	
5NV North Yorkshire & York PCT	E16000099	7,939	7,644	7,592	6,909	7,386	6,932	
5H8 Rotherham PCT	E16000031	2,917	2,811	2,787	2,649	2,741	2,600	
5N4 Sheffield PCT	E16000077	6,143	5,838	5,795	5,399	5,698	5,307	
5N3 Wakefield District PCT	E16000076	3,876	3,745	3,726	3,549	3,658	3,488	
Q33 East Midlands	E18000004	50,144	48,147	48,032	44,556	46,937	43,456	
5ET Bassetlaw PCT	E16000023	1,179	1,141	1,134	919	1,104	902	
5N7 Derby City PCT	E16000080	3,323	3,261	3,223	2,951	3,184	2,935	
5N6 Derbyshire County PCT	E16000079	7,430	7,308	7,319	6,938	7,144	6,723	
5PC Leicester City PCT	E16000113	4,622	4,467	4,386	4,145	4,351	4,085	
5PA Leicestershire County & Rutland PCT	E16000112	7,157	7,026	6,972	6,648	6,806	6,490	
5N9 Lincolnshire PCT	E16000082	7,541	7,004	7,045	6,331	6,962	6,159	
5PD Northamptonshire PCT	E16000114	8,101	7,598	7,664	7,230	7,514	6,972	
5EM Nottingham City PCT	E16000022	3,644	3,373	3,340	3,013	3,201	2,964	
5N8 Nottinghamshire County PCT	E16000081	7,147	6,969	6,949	6,381	6,671	6,226	
Q34 West Midlands	E18000005	62,589	60,446	59,733	56,489	58,804	54,687	
5PG Birmingham East & North PCT	E16000117	5,132	4,916	4,893	4,635	4,853	4,453	
5MD Coventry Teaching PCT	E16000070	3,233	3,164	3,156	3,075	3,161	3,026	
5PE Dudley PCT	E16000115	3,525	3,460	3,434	3,272	3,339	3,139	
5MX Heart of Birmingham Teaching PCT	E16000073	4,368	4,130	4,089	4,026	4,196	4,041	
5CN Herefordshire PCT	E16000015	1,808	1,696	1,704	1,531	1,609	1,461	
5PH North Staffordshire PCT	E16000118	1,998	1,975	1,944	1,892	1,919	1,843	
5PF Sandwell PCT ⁽³⁾	E16000116	4,009	3,833	3,479	3,404	3,712	3,350	

Table 12b: Number of children immunised by their 5th birthday, by Primary Care Trust 2010-11

			Number immunised by their 5th birthday					numbers	
ONS Code		Number of children aged 5 (thousands)	Diphtheria Tetanus, Polio	Hib	Diphtheria Tetanus, Polio, Pertussis	MMR			
			Primary	Primary	Booster	first dose	first and second dose		
5M2	Shropshire County PCT	E16000065	2,876	2,809	2,804	2,694	2,734	2,589	
TAM	Solihull Care Trust	E17000004	2,489	2,390	2,386	2,227	2,268	2,132	
5M1	South Birmingham PCT	E16000064	3,865	3,697	3,684	3,307	3,610	3,197	
5PK	South Staffordshire PCT	E16000120	6,703	6,535	6,539	6,065	6,184	5,738	
5PJ	Stoke on Trent PCT	E16000119	3,329	3,248	3,106	3,084	3,197	3,015	
5MK	Telford & Wrekin PCT	E16000071	2,057	2,010	1,998	1,909	1,959	1,848	
5M3	Walsall Teaching PCT	E16000066	2,692	2,646	2,649	2,602	2,588	2,532	
5PM	Warwickshire PCT	E16000122	5,175	5,037	5,030	4,900	4,925	4,743	
5MV	Wolverhampton City PCT	E16000072	3,104	2,936	2,899	2,508	2,815	2,462	
5PL	Worcestershire PCT	E16000121	6,226	5,964	5,939	5,358	5,735	5,118	
Q35	East of England	E18000006	68,645	65,238	64,536	59,883	61,527	58,018	
5P2	Bedfordshire PCT	E16000104	5,239	5,091	5,075	4,689	4,826	4,533	
5PP	Cambridgeshire PCT	E16000124	6,811	6,304	6,262	5,986	5,991	5,821	
5PR	Great Yarmouth & Waveney PCT	E16000126	2,304	2,154	2,147	1,902	2,044	1,856	
5QV	Hertfordshire PCT ⁽²⁾	E16000150	14,201	13,558	13,515	12,499	12,653	12,067	
5GC	Luton PCT ⁽⁴⁾	E16000029	3,191	2,988	2,646	2,565	2,820	2,523	
5PX	Mid Essex PCT ⁽⁹⁾	E16000130	4,299	4,180	4,165	3,828	3,830	3,672	
5PQ	Norfolk PCT	E16000125	7,354	7,057	7,014	6,286	6,653	6,111	
5PW	North East Essex PCT	E16000129	3,436	3,203	3,186	2,939	3,060	2,859	
5PN	Peterborough PCT	E16000123	2,378	2,238	2,176	1,979	2,162	1,942	
5P1	South East Essex PCT	E16000103	3,776	3,597	3,572	3,355	3,415	3,264	
5PY	South West Essex PCT	E16000131	5,336	5,107	5,078	4,775	4,859	4,615	
5PT	Suffolk PCT	E16000127	6,879	6,467	6,413	6,019	6,157	5,820	
5PV	West Essex PCT	E16000128	3,441	3,294	3,287	3,061	3,057	2,935	
Q36	London	E18000007	112,111	100,904	101,130	83,782	98,844	85,900	
5C2	Barking & Dagenham PCT	E16000009	3,316	2,763	2,801	2,323	2,849	2,302	
5A9	Barnet PCT	E16000006	4,841	4,511	4,473	4,198	4,402	3,999	
TAK	Bexley Care Trust	E17000002	2,811	2,661	2,661	2,256	2,479	2,221	
5K5	Brent Teaching PCT	E16000045	4,164	3,929	3,603	3,260	3,861	3,422	
5A7	Bromley PCT	E16000004	3,927	3,713	3,711	2,971	3,492	3,024	
5K7	Camden PCT	E16000047	2,500	2,174	2,184	1,577	2,037	1,525	
5C3	City & Hackney Teaching PCT	E16000010	3,768	3,388	3,388	2,176	3,258	2,442	
5K9	Croydon PCT	E16000049	4,762	4,415	4,415	3,643	4,273	3,574	
5HX	Ealing PCT	E16000035	5,274	4,949	4,949	4,463	4,854	4,227	
5C1	Enfield PCT	E16000008	4,497	3,693	3,717	3,139	3,712	3,038	
5A8	Greenwich Teaching PCT ⁽¹⁰⁾	E16000005	3,838	3,492	3,518	3,076	3,407	3,069	
5H1	Hammersmith & Fulham PCT	E16000030	2,435	2,245	2,241	1,646	2,075	1,679	
5C9	Haringey Teaching PCT ⁽⁷⁾	E16000013	3,361	2,954	2,954	1,828	2,832	2,615	
5K6	Harrow PCT	E16000046	2,930	2,279	2,714	2,279	2,750	2,297	
5A4	Havering PCT	E16000002	2,867	2,703	2,718	2,386	2,551	2,256	
5AT	Hillingdon PCT	E16000007	3,560	3,369	3,350	3,197	3,253	3,090	
5HY	Hounslow PCT	E16000036	3,899	3,475	3,475	2,621	3,466	2,652	
5K8	Islington PCT	E16000048	2,313	2,139	2,152	1,794	2,040	1,735	
5LA	Kensington & Chelsea PCT	E16000056	1,809	1,621	1,615	1,158	1,581	1,202	
5A5	Kingston PCT	E16000003	2,328	2,174	2,171	1,740	2,077	1,913	
5LD	Lambeth PCT	E16000058	4,119	3,826	3,841	3,038	3,647	3,097	
5LF	Lewisham PCT ⁽³⁾	E16000060	4,201	3,794	3,794	2,626	3,584	2,763	
5C5	Newham PCT ⁽³⁾	E16000012	5,538	4,691	4,686	3,853	4,492	4,264	
5NA	Redbridge PCT	E16000083	3,763	3,378	3,379	2,966	3,314	2,904	
5M6	Richmond & Twickenham PCT	E16000067	2,714	2,462	2,473	1,918	2,306	2,056	
5LE	Southwark PCT	E16000059	3,889	3,365	3,378	2,633	3,256	2,681	
5M7	Sutton & Merton PCT	E16000068	5,231	4,546	4,571	3,802	4,597	4,173	
5C4	Tower Hamlets PCT	E16000011	3,340	3,191	3,215	3,153	3,196	3,128	
5NC	Waltham Forest PCT	E16000084	3,902	3,587	3,566	3,204	3,491	3,147	
5LG	Wandsworth PCT ⁽⁴⁾	E16000061	4,068	3,463	3,463	2,952	3,750	3,525	
5LC	Westminster PCT	E16000057	2,146	1,954	1,954	1,906	1,962	1,880	
Q37	South East Coast	E18000008	48,547	44,930	44,976	40,953	43,220	39,256	
5LQ	Brighton & Hove City PCT	E16000063	2,912	2,668	2,654	2,340	2,586	2,237	
5P7	East Sussex Downs & Weald PCT	E16000109	3,440	3,268	3,260	2,948	3,180	2,864	
5QA	Eastern & Coastal Kent PCT	E16000132	7,367	7,097	7,123	6,638	6,887	6,410	
5P8	Hastings & Rother PCT	E16000110	1,757	1,646	1,643	1,502	1,630	1,456	
5L3	Medway PCT	E16000055	2,865	2,731	2,729	2,695	2,677	2,559	
5P5	Surrey PCT ⁽⁴⁾	E16000107	14,272	12,520	12,531	10,449	11,509	10,000	
5P9	West Kent PCT	E16000111	7,063	6,615	6,706	6,459	6,517	6,170	
5P6	West Sussex PCT	E16000108	8,871	8,385	8,330	7,922	8,234	7,560	
Q38	South Central	E18000009	49,639	47,511	47,328	44,491	46,464	43,108	
5QG	Berkshire East PCT	E16000137	5,430	5,066	5,057	4,659	4,942	4,529	
5QF	Berkshire West PCT	E16000136	5,970	5,729	5,664	5,238	5,657	5,097	
5QD	Buckinghamshire PCT	E16000134	6,109	5,878	5,889	5,571	5,703	5,333	
5QC	Hampshire PCT	E16000133	14,676	14,029	13,938	13,195	13,626	12,710	
5QT	Isle of Wight Healthcare PCT	E16000147	1,369	1,302	1,291	1,144	1,260	1,102	
5CQ	Milton Keynes PCT	E16000016	3,569	3,416	3,419	3,213	3,370	3,109	
5QE	Oxfordshire PCT	E16000135	7,373	7,199	7,199	6,982	7,084	6,834	

Table 12b: Number of children immunised by their 5th birthday, by Primary Care Trust 2010-11

			Number immunised by their 5th birthday					numbers	
	ONS Code	Number of children aged 5 (thousands)	Diphtheria Tetanus, Polio	Hib	Diphtheria Tetanus, Polio, Pertussis	MMR			
			Primary	Primary	Booster	first dose	first and second dose		
5FE	Portsmouth City Teaching PCT	E16000027	2,260	2,167	2,151	1,931	2,120	1,895	
5L1	Southampton City PCT	E16000054	2,883	2,725	2,720	2,558	2,702	2,499	
Q39	South West	E18000010	54,765	52,937	52,766	48,770	50,858	46,694	
5FL	Bath & North East Somerset PCT	E16000028	1,883	1,840	1,834	1,696	1,736	1,591	
5QN	Bournemouth & Poole PCT ⁽⁴⁾	E16000143	3,431	3,314	3,316	2,925	3,175	2,841	
5QJ	Bristol PCT	E16000139	5,100	4,838	4,786	4,174	4,655	3,967	
5QP	Cornwall & Isles of Scilly PCT	E16000144	5,390	5,150	5,127	4,698	4,992	4,550	
5QQ	Devon PCT	E16000145	7,511	7,227	7,203	6,701	6,821	6,371	
5QM	Dorset PCT	E16000142	3,644	3,536	3,545	3,151	3,385	3,060	
5QH	Gloucestershire PCT	E16000138	5,319	5,075	5,082	4,886	4,923	4,691	
5M8	North Somerset PCT	E16000069	2,319	2,266	2,258	2,089	2,194	1,979	
5F1	Plymouth Teaching PCT	E16000024	2,827	2,763	2,744	2,554	2,675	2,468	
5QL	Somerset PCT	E16000141	5,042	4,950	4,921	4,789	4,795	4,615	
5A3	South Gloucestershire PCT	E16000001	3,012	2,929	2,917	2,831	2,838	2,680	
5K3	Swindon PCT	E16000044	2,731	2,636	2,617	2,376	2,539	2,268	
TAL	Torbay Care Trust ⁽⁴⁾	E17000003	1,393	1,348	1,350	1,212	1,266	1,161	
5QK	Wiltshire PCT	E16000140	5,163	5,065	5,066	4,688	4,864	4,452	

⁽¹⁾ On 1st April 2010, 5CC - Blackburn with Darwen PCT became TAP - Blackburn and Darwen Teaching PCT Plus

⁽²⁾ On 1st April 2010, 5P3 - East & North Hertfordshire PCT and 5P4 - West Hertfordshire PCT merged to create 5QV - Hertfordshire PCT

⁽³⁾ 4 PCTs experienced data quality issues and thus may not present an accurate reflection of actual coverage.

⁽⁴⁾ 7 PCTs experienced data quality issues as a result of a recent migration to a new Child Health system or problems with their existing Child Health system.

⁽⁵⁾ 2 PCTs submitted partial datasets due to the unavailability of data from certain parts of the PCT.

⁽⁶⁾ 1 PCT submitted partial datasets due to the unavailability of data from certain regions for Hib/MenC and PCV.

⁽⁷⁾ 1 PCT submitted estimated datasets based on data from 38 out of 53 GP practices.

⁽⁸⁾ Following submission of COVER data, Bury PCT reported that their data required updating. Due to late submission, it has not been possible to include the revised 2010-11 data in this year's publication.

⁽⁹⁾ 1 PCT reported that their data for 2009-10 was incorrect

⁽¹⁰⁾ 1 PCT reported that there were data quality issues with their 2009-10 submission

⁽¹¹⁾ 1 PCT submitted partial datasets due to a PCT merger in quarter 4 of 2010-11

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 Strategic Health Authority 2010-11

		BCG vaccinations			Td/IPV
		all ages	age under 1	aged 1 and over	age 13-18
England		225.3	153.3	72.1	446.4
Q30	North East	2.5	2.3	0.2	24.3
Q31	North West	16.0	13.1	2.9	67.9
Q32	Yorkshire and the Humber	13.0	12.0	1.0	54.0
Q33	East Midlands	7.3	5.4	1.9	41.8
Q34	West Midlands	17.2	15.0	2.1	41.2
Q35	East of England	11.8	9.9	1.9	47.8
Q36	London	132.7	74.0	58.7	53.0
Q37	South East Coast	6.7	5.5	1.2	36.2
Q38	South Central	14.1	12.8	1.3	42.6
Q39	South West	4.1	3.3	0.8	37.7

For more information on the data quality issues surrounding the 2010-11 KC50 return please see Appendix B following the tables at the back of the NHS Immunisation Statistics, England publication

Source: Form KC50

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Table 13a: Number of persons receiving BCG vaccinations and number of reinforcing doses of diphtheria, tetanus and polio given to school leavers, by provider, 2010-11

		numbers			
		BCG vaccinations ⁽³⁵⁾			Td/IPV
		all ages	age under 1	aged 1 and over	age 13-18
Eng	England	225,316	153,253	72,063	446,449
Q30	North East	2,470	2,305	165	24,305
	5D7 Newcastle PCT	664	636	28	1,947
	5D8 North Tyneside PCT ⁽¹⁵⁾	*	109	*	2,454
	5D9 Hartlepool PCT	59	56	3	858
	5E1 Stockton-on-Tees Teaching PCT	300	280	20	1,672
	5J9 Darlington PCT	70	57	13	962
	5KF Gateshead PCT ⁽⁷⁾	177	170	7	1,853
	5KG South Tyneside PCT	*	115	*	1,624
	5KL Sunderland Teaching PCT ⁽¹⁹⁾	*	219	*	2,580
	5KM Middlesbrough PCT	460	441	19	1,282
	5ND County Durham PCT	141	123	18	4,899
	5QR Redcar & Cleveland PCT	16	14	2	1,074
	TAC Northumberland Care Trust	137	86	51	3,100
Q31	North West	15,985	13,080	2,910	67,944
	5F5 Salford PCT	378	376	2	2,576
	5F7 Stockport PCT	230	213	17	2,752
	5HP Blackpool PCT	72	40	32	1,176
	5HQ Bolton PCT	916	896	20	4,271
	5J2 Warrington PCT	171	127	44	1,737
	5J4 Knowsley PCT	71	30	41	1,346
	5J5 Oldham PCT	1,225	1,088	137	2,085
	5JX Bury PCT	280	276	4	1,618
	5LH Tameside and Glossop PCT ⁽²¹⁾	382	341	41	2,739
	5NE Cumbria PCT ⁽²⁹⁾	110	103	7	4,627
	5NF North Lancashire PCT ⁽³⁰⁾⁽³¹⁾	105	72	33	3,274
	5NG Central Lancashire PCT	95	21	74	5,235
	5NH East Lancashire PCT ⁽³²⁾	*	995	*	4,453
	5NJ Sefton PCT	0	0	0	2,933
	5NM Halton & St Helens PCT	84	59	25	2,929
	5NN West Cheshire PCT	197	166	31	2,030
	5NP Central & Eastern Cheshire PCT	531	300	231	3,882
	5NQ Heywood, Middleton & Rochdale PCT	828	807	21	2,295
	5NT Manchester PCT	6,315	4,378	1,937	2,727
	RBL Wirral University Teaching Hospital NHS Foundation Trust ⁽²³⁾⁽³¹⁾	204	168	36	3,678
	REP Liverpool Women's NHS Foundation Trust ⁽²⁹⁾	*	550	*	0
	RM4 Trafford Healthcare NHS Trust ⁽²²⁾	500	373	127	2,395
	RY1 Liverpool Community Health NHS Trust ⁽¹²⁾	*	728	*	2,494
	RY2 Ashton Leigh and Wigan Community Healthcare NHS Trust ⁽²⁾	235	187	48	3,058
	TAP Blackburn and Darwen Teaching PCT Plus ⁽¹⁾	*	784	*	1,634
Q32	Yorkshire and The Humber	13,025	12,020	1,010	54,006
	5EF North Lincolnshire PCT	210	118	92	1,144
	5H8 Rotherham PCT	*	354	*	2,200
	5J6 Calderdale PCT	547	491	56	2,168
	5JE Barnsley PCT	58	56	2	3,268
	5N1 Leeds PCT ⁽¹¹⁾	2,469	2,158	311	7,362
	5N2 Kirklees PCT	1,866	1,683	183	5,034
	5N3 Wakefield District PCT	347	311	36	5,744
	5N4 Sheffield PCT	1,723	1,640	83	5,429
	5N5 Doncaster PCT ⁽⁵⁾	*	211	*	4,165
	5NV North Yorkshire & York PCT ⁽³⁰⁾⁽³¹⁾	221	156	65	2,963
	5NW East Riding of Yorkshire PCT	218	180	38	3,437
	5NX Hull Teaching PCT	700	642	58	3,319
	5NY Bradford & Airedale Teaching PCT ⁽³⁾	4,000	3,928	72	6,292
	TAN North East Lincolnshire PCT	103	91	12	1,481
Q33	East Midlands	7,285	5,350	1,935	41,800
	5EM Nottingham City PCT ⁽³³⁾	1,292	1,084	208	1,168
	5ET Bassetlaw PCT	51	48	3	977
	5N6 Derbyshire County PCT ⁽²⁷⁾⁽²⁸⁾	0	0	0	6,452
	5N7 Derby City PCT ⁽²⁶⁾⁽²⁹⁾	892	714	178	2,945
	5N8 Nottinghamshire County Teaching PCT	534	358	176	3,562
	5N9 Lincolnshire Teaching PCT	*	*	102	8,214
	5PA Leicestershire County & Rutland PCT	635	418	217	7,592
	5PC Leicester City Teaching PCT	2,549	1,709	840	4,180
	5PD Northamptonshire Teaching PCT ⁽¹⁶⁾	1,095	927	168	6,710
	RFS Chesterfield Royal Hospital NHS Foundation Trust	135	94	41	0
Q34	West Midlands	17,155	15,035	2,120	41,170
	5CN Herefordshire PCT	36	18	18	1,522
	5M1 South Birmingham PCT	1,434	1,314	120	2,069
	5M2 Shropshire County PCT	132	90	42	2,902
	5M3 Walsall Teaching PCT	821	749	72	2,481
	5MD Coventry Teaching PCT	2,123	2,082	41	2,769
	5MK Telford and Wrekin PCT	324	199	125	1,965
	5MV Wolverhampton City PCT	1,619	1,473	146	2,744
	5MX Heart Of Birmingham Teaching PCT	4,731	3,733	998	1,209
	5PE Dudley PCT	590	529	61	2,738
	5PF Sandwell PCT ⁽²⁹⁾	987	925	62	3,850
	5PG Birmingham East & North PCT	2,742	2,522	220	2,342
	5PH North Staffordshire PCT ⁽¹⁴⁾	806	797	9	5,363
	5PL Worcestershire PCT	*	91	*	4,651

Table 13a: Number of persons receiving BCG vaccinations and number of reinforcing doses of diphtheria, tetanus and polio given to school leavers, by provider, 2010-11

		numbers			
		BCG vaccinations ⁽³⁵⁾			Td/IPV
		all ages	age under 1	aged 1 and over	age 13-18
5PM	Warwickshire PCT	588	392	196	4,153
TAM	Solihull Care Trust	130	121	9	412
Q35	East of England	11,805	9,885	1,920	47,752
5GC	Luton PCT	3,400	3,156	244	1,838
5P1	South East Essex PCT ⁽²⁹⁾	263	240	23	3,801
5P2	Bedfordshire PCT	1,076	898	178	3,893
5PN	Peterborough PCT	869	832	37	314
5PQ	Norfolk PCT ⁽¹³⁾	633	476	157	3,733
5PR	Great Yarmouth & Waveney Teaching PCT	96	66	30	1,620
5PT	Suffolk PCT	484	418	66	4,169
5PV	West Essex PCT	625	402	223	2,375
5PW	North East Essex PCT	422	217	205	5,659
5PX	Mid Essex PCT	457	287	170	2,700
5PY	South West Essex Teaching PCT	1,024	782	242	4,690
RGP	James Paget Healthcare NHS Trust	0	0	0	737
RGQ	Ipswich Hospital NHS Trust	374	336	38	0
RGT	Cambridge University Hospitals NHS Foundation Trust	*	500	*	0
RY4	Hertfordshire Community NHS Trust ⁽¹⁰⁾	911	603	308	11,225
RYV	Cambridgeshire Community Services NHS Trust ⁽²⁵⁾	*	670	*	998
Q36	London	132,695	73,970	58,730	53,009
5A4	Havering PCT ⁽³⁰⁾⁽³¹⁾	1,003	494	509	2,379
5A5	Kingston PCT	751	474	277	1,031
5A7	Bromley PCT	841	644	197	2,517
5A8	Greenwich Teaching PCT	2,960	2,716	244	1,576
5A9	Barnet PCT	3,014	2,376	638	1,464
5AT	Hillingdon PCT	*	2,204	*	2,399
5C1	Enfield PCT	2,334	2,165	169	1,667
5C2	Barking & Dagenham PCT ⁽³⁰⁾	3,279	3,087	192	916
5C3	City and Hackney PCT	3,472	2,901	571	538
5C4	Tower Hamlets PCT ⁽²⁹⁾	53,117	3,572	49,545	6,589
5C5	Newham PCT ⁽³⁴⁾	6,884	6,242	642	5,488
5C9	Haringey Teaching PCT ⁽³⁰⁾⁽³¹⁾	2,247	2,221	26	52
5H1	Hammersmith and Fulham PCT	1,325	1,074	251	703
5HX	Ealing PCT ⁽³¹⁾	4,761	4,726	35	1,594
5HY	Hounslow PCT ⁽²⁶⁾⁽³²⁾	3,131	3,113	18	468
5K5	Brent Teaching PCT	4,258	3,730	528	2,820
5K6	Harrow PCT	2,277	2,220	57	1,365
5K7	Camden PCT	2,457	2,060	397	553
5K8	Islington PCT	2,846	2,463	383	1,010
5K9	Croydon PCT ⁽²⁴⁾	2,308	2,011	297	2,824
5LA	Kensington and Chelsea PCT	789	675	114	103
5LC	Westminster PCT	3,104	1,987	1,117	25
5LD	Lambeth PCT	3,780	3,462	318	826
5LE	Southwark PCT	*	2,209	*	938
5LF	Lewisham PCT	4,103	3,771	332	1,160
5LG	Wandsworth PCT	1,868	1,198	670	1,480
5M6	Richmond and Twickenham PCT ⁽³²⁾⁽³³⁾	1,329	1,222	107	898
5M7	Sutton and Merton PCT	1,765	1,022	743	3,479
5NA	Redbridge PCT	3,636	3,628	8	2,796
5NC	Waltham Forest PCT	3,495	3,297	198	2,701
RVR	Waltham Forest PCT	213	185	28	0
TAK	Bexley Care Trust	937	820	117	650
Q37	South East Coast	6,727	5,547	1,180	36,248
5L3	Medway PCT	447	292	155	2,223
5LQ	Brighton & Hove City PCT	512	348	164	2,128
5P5	Surrey PCT ⁽²⁰⁾⁽³⁰⁾	2,532	2,392	140	6,577
5P6	West Sussex Teaching PCT	610	574	36	7,763
5P7	East Sussex Downs & Weald PCT	175	160	15	3,063
5P8	Hastings & Rother PCT ⁽³²⁾	96	90	6	1,419
5P9	West Kent PCT	1,111	797	314	6,697
5QA	Eastern & Coastal Kent Teaching PCT ⁽⁶⁾⁽²⁹⁾	1,040	761	279	6,378
RWF	Maidstone and Tunbridge Wells NHS Trust	204	133	71	0
Q38	South Central	14,085	12,760	1,320	42,553
5CQ	Milton Keynes PCT	1,309	1,129	180	2,026
5FE	Portsmouth City Teaching PCT ⁽³¹⁾	382	358	24	1,718
5L1	Southampton City PCT	570	449	121	1,899
5QC	Hampshire PCT ⁽⁹⁾	932	750	182	15,505
5QD	Buckinghamshire PCT ⁽⁴⁾	1,413	1,039	374	4,384
5QE	Oxfordshire PCT	1,083	1,000	83	6,701
5QF	Berkshire West PCT ⁽³¹⁾	1,190	942	248	5,149
5QG	Berkshire East Teaching PCT	1,461	1,414	47	3,784
5QT	Isle of Wight Healthcare PCT	9	4	5	1,387
RD7	Heatherwood and Wrexham Park Hospitals NHS Trust	*	2,803	*	0
RD8	Milton Keynes General Hospital NHS Trust	1,350	1,292	58	0
RHU	Portsmouth Hospitals NHS Trust	*	417	*	0
RTH	Oxford Radcliffe Hospitals NHS Trust	*	1,164	*	0
Q39	South West	4,085	3,305	785	37,662
5A3	South Gloucestershire PCT	292	253	39	681
5F1	Plymouth Teaching PCT	123	99	24	1,713
5FL	Bath and North East Somerset PCT	77	55	22	1,616

Table 13a: Number of persons receiving BCG vaccinations and number of reinforcing doses of diphtheria, tetanus and polio given to school leavers, by provider, 2010-11

		numbers			
		BCG vaccinations ⁽³⁵⁾			Td/IPV
		all ages	age under 1	aged 1 and over	age 13-18
5K3	Swindon PCT	463	417	46	2,115
5M8	North Somerset PCT	116	102	14	357
5QH	Gloucestershire PCT ⁽⁸⁾	309	211	98	2,390
5QJ	Bristol Teaching PCT ⁽²⁸⁾⁽²⁹⁾	1,273	1,159	114	764
5QK	Wiltshire PCT	257	195	62	4,004
5QL	Somerset PCT ⁽¹⁸⁾	160	125	35	5,493
5QM	Dorset PCT ⁽³⁰⁾⁽³¹⁾	72	60	12	874
5QN	Bournemouth & Poole PCT	210	150	60	2,541
5QQ	Devon PCT	308	178	130	9,311
RDZ	Royal Bournemouth and Christchurch Hospitals NHS Foundation Trust	*	174	*	0
REF	Royal Cornwall Hospitals NHS Trust ⁽¹⁷⁾	227	103	124	4,593
TAL	Torbay Care Trust	*	22	*	1,210

⁽¹⁾ On 1st April 2010, 5CC - Blackburn with Darwen PCT became TAP - Blackburn and Darwen Teaching PCT Plus

⁽²⁾ includes return for Ashton, Leigh and Wigan PCT

⁽³⁾ includes returns for Bradford Teaching Hospitals NHS Foundation Trust, Bradford District Care Trust and Airedale NHS Foundation Trust

⁽⁴⁾ includes return for Buckinghamshire Healthcare NHS Trust

⁽⁵⁾ includes return for Doncaster and Bassetlaw Hospitals NHS Foundation Trust

⁽⁶⁾ includes return for East Kent Hospitals University NHS Foundation Trust

⁽⁷⁾ includes return for Gateshead Health NHS Foundation Trust

⁽⁸⁾ includes return for Gloucestershire Hospitals NHS Foundation Trust

⁽⁹⁾ includes returns for Winchester and Eastleigh Healthcare NHS Trust and Basingstoke and North Hampshire NHS Foundation Trust

⁽¹⁰⁾ includes return for Hertfordshire PCT

⁽¹¹⁾ includes return for Leeds Teaching Hospitals NHS Trust

⁽¹²⁾ includes return for Liverpool PCT

⁽¹³⁾ includes returns for The Queen Elizabeth Hospital, King's Lynn NHS Foundation Trust and Norfolk Community Health and Care NHS Trust

⁽¹⁴⁾ includes returns for North Staffordshire Combined Healthcare NHS Trust and Stoke On Trent PCT

⁽¹⁵⁾ includes return for Northumbria Healthcare NHS Foundation Trust

⁽¹⁶⁾ includes return for Northampton General Hospital NHS Trust

⁽¹⁷⁾ includes return for Cornwall and Isles of Scilly PCT

⁽¹⁸⁾ includes returns for Taunton and Somerset NHS Foundation Trust and Yeovil District Hospital NHS Foundation Trust

⁽¹⁹⁾ includes return for City Hospitals Sunderland NHS Foundation Trust

⁽²⁰⁾ includes returns for Surrey and Sussex Healthcare NHS Trust and Ashford and St Peter's Hospitals NHS Foundation Trust

⁽²¹⁾ includes return for Tameside Hospital NHS Foundation Trust

⁽²²⁾ includes return for Trafford PCT

⁽²³⁾ includes return for Wirral PCT

⁽²⁴⁾ includes return for Croydon Health Services NHS Trust

⁽²⁵⁾ includes return for Cambridgeshire PCT

⁽²⁶⁾ includes return for West Middlesex University Hospital NHS Trust

⁽²⁷⁾ Figure reported for Td/IPV vaccinations shows a substantial reduction from the figure reported by the PCT for 2009-10. The PCT has reported that this is due to data collection issues from their GP systems in 2010-11.

⁽²⁸⁾ 3 Trusts reported data quality issues (e.g. where there was missing data) and therefore figures presented may not be an accurate reflection of numbers vaccinated for Td/IPV vaccinations.

⁽²⁹⁾ 8 Trusts reported data quality issues (e.g. where there was missing data) and therefore figures presented may not be an accurate reflection of numbers vaccinated for BCG vaccinations.

⁽³⁰⁾ 7 Trusts experienced data quality issues relating to BCG vaccination figures as a result of a recent migration to a new Child Health system or problems with their existing Child Health system. The figures presented for these PCTs may not therefore be an accurate reflection of numbers vaccinated.

⁽³¹⁾ 9 Trusts experienced data quality issues relating to Td/IPV vaccination figures as a result of a recent migration to a new Child Health system or problems with their existing Child Health system. The figures presented for these PCTs may not therefore be an accurate reflection of numbers vaccinated.

⁽³²⁾ 4 PCTs reported that previous years' data for Td/IPV vaccinations was incorrect.

⁽³³⁾ 2 PCTs reported that previous years' data for BCG vaccinations was incorrect.

⁽³⁴⁾ Following submission of vaccination data for Td/IPV and BCG, Newham PCT reported that their data was incorrect. Due to late submission, it has not been possible to include the revised 2010-11 data in this year's publication. Newham PCT has also reported that the Td/IPV and BCG vaccination data submitted for the 2009-10 publication was incorrect.

⁽³⁵⁾ Some BCG figures have been suppressed due to potential disclosure issues associated with small numbers as follows: Where the number vaccinated is 1 or less for either 'Age under 1' or 'Aged 1 and over', 'Number vaccinated' and 'All ages' total have been suppressed. Where Trusts have been suppressed, the relevant SHA totals have also been rounded to the nearest 5.

For more information on the data quality issues surrounding the 2010-11 KC50 return please see Appendix B following the tables at the back of the NHS Immunisation Statistics, England publication.

Source: KC50

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Table 14: Percentage of persons aged 65 and over immunised against influenza (seasonal flu) by Strategic Health Authority, 2010-11

		percentages
		percentage immunised during September 2010 - February 2011
England		72.8
Q30	North East	74.5
Q31	North West	74.6
Q32	Yorkshire and the Humber	73.4
Q33	East Midlands	72.9
Q34	West Midlands	71.3
Q35	East Of England	73.0
Q36	London	71.4
Q37	South East Coast	71.1
Q38	South Central	73.6
Q39	South West	73.0

Source: Department of Health

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Table 14a: Percentage of persons aged 65 and over immunised against influenza (seasonal flu) by Primary Care Trust, 2010-11

		percentages
		percentage immunised during September 2010 - February 2011
England		72.8
Q30	North East	74.5
	5ND County Durham PCT	72.3
	5J9 Darlington PCT	72.1
	5KF Gateshead PCT	75.9
	5D9 Hartlepool PCT	71.8
	5KM Middlesbrough PCT	75.1
	5D7 Newcastle PCT	76.0
	5D8 North Tyneside PCT	74.8
	TAC Northumberland Care Trust PCT	74.7
	5QR Redcar & Cleveland PCT	78.1
	5KG South Tyneside PCT	75.4
	5KL Sunderland Teaching PCT	76.2
	5E1 Stockton-on-Tees Teaching PCT	72.4
Q31	North West	74.6
	5HG Ashton, Leigh & Wigan PCT	73.7
	TAP Blackburn and Darwen Teaching PCT Plus ⁽¹⁾	73.5
	5HP Blackpool PCT	71.4
	5HQ Bolton PCT	72.0
	5JX Bury PCT	72.1
	5NP Central & Eastern Cheshire PCT	77.4
	5NG Central Lancashire PCT	74.7
	5NE Cumbria Teaching PCT	73.9
	5NH East Lancashire Teaching PCT	73.5
	5NM Halton & St Helens PCT	74.8
	5NQ Heywood, Middleton & Rochdale PCT	75.2
	5J4 Knowsley PCT	76.8
	5NL Liverpool PCT	74.8
	5NT Manchester PCT	71.8
	5NF North Lancashire Teaching PCT	75.1
	5J5 Oldham PCT	74.2
	5F5 Salford PCT	74.1
	5NJ Sefton PCT	73.6
	5F7 Stockport PCT	76.3
	5LH Tameside & Glossop PCT	76.1
	5NR Trafford PCT	78.7
	5J2 Warrington PCT	72.5
	5NN Western Cheshire PCT	74.9
	5NK Wirral PCT	75.6
Q32	Yorkshire & the Humber	73.4
	5JE Barnsley PCT	72.3
	5NY Bradford & Airedale Teaching PCT	74.4
	5J6 Calderdale PCT	70.7
	5N5 Doncaster PCT	73.3
	5NW East Riding of Yorkshire PCT	69.6
	5NX Hull Teaching PCT	73.6
	5N2 Kirklees PCT	70.4
	5N1 Leeds PCT	76.5
	TAN North East Lincolnshire Care Trust Plus	70.7
	5EF North Lincolnshire PCT	71.2
	5NV North Yorkshire & York PCT	74.1
	5H8 Rotherham PCT	74.9
	5N4 Sheffield PCT	74.7
	5N3 Wakefield District PCT	72.6
Q33	East Midlands	72.9
	5ET Bassetlaw PCT	73.0
	5N7 Derby City PCT	75.1
	5N6 Derbyshire County PCT	74.0
	5PC Leicester City PCT	70.1
	5PA Leicestershire County & Rutland PCT	72.2

Table 14a: Percentage of persons aged 65 and over immunised against influenza (seasonal flu) by Primary Care Trust, 2010-11

		percentages
		percentage immunised during September 2010 - February 2011
5N9	Lincolnshire Teaching PCT	72.0
5PD	Northamptonshire Teaching PCT	72.8
5EM	Nottingham City PCT	71.9
5N8	Nottinghamshire County Teaching PCT	74.4
Q34	West Midlands	71.3
5PG	Birmingham East & North PCT	69.3
5MD	Coventry Teaching PCT	69.2
5PE	Dudley PCT	69.6
5MX	Heart of Birmingham Teaching PCT	77.4
5CN	Herefordshire PCT	70.9
5PH	North Staffordshire PCT	73.1
5PF	Sandwell PCT	68.6
5M2	Shropshire County PCT	70.3
TAM	Solihull Care Trust	72.2
5M1	South Birmingham PCT	71.0
5PK	South Staffordshire PCT	70.5
5PJ	Stoke on Trent PCT	72.8
5MK	Telford & Wrekin PCT	69.1
5M3	Walsall Teaching PCT	71.5
5PM	Warwickshire PCT	73.2
5MV	Wolverhampton City PCT	69.9
5PL	Worcestershire PCT	73.3
Q35	East of England	73.0
5P2	Bedfordshire PCT	72.3
5PP	Cambridgeshire PCT	74.0
5PR	Great Yarmouth & Waveney PCT	72.4
5QV	Hertfordshire PCT ⁽²⁾	76.0
5GC	Luton PCT	71.6
5PX	Mid Essex PCT	71.6
5PQ	Norfolk PCT	72.0
5PW	North East Essex PCT	70.8
5PN	Peterborough PCT	72.2
5P1	South East Essex PCT	70.3
5PY	South West Essex PCT	74.1
5PT	Suffolk PCT	73.4
5PV	West Essex PCT	71.2
Q36	London	71.4
5C2	Barking & Dagenham PCT	69.4
5A9	Barnet PCT	73.8
TAK	Bexley Care Trust	69.0
5K5	Brent Teaching PCT	72.2
5A7	Bromley PCT	72.0
5K7	Camden PCT	72.2
5C3	City & Hackney Teaching PCT	73.7
5K9	Croydon PCT	67.2
5HX	Ealing PCT	68.6
5C1	Enfield PCT	73.3
5A8	Greenwich Teaching PCT	72.6
5H1	Hammersmith & Fulham PCT	69.3
5C9	Haringey Teaching PCT	71.0
5K6	Harrow PCT	72.2
5A4	Havering PCT	70.4
5AT	Hillingdon PCT	70.4
5HY	Hounslow PCT	71.4
5K8	Islington PCT	72.5
5LA	Kensington & Chelsea PCT	70.3
5A5	Kingston PCT	69.4
5LD	Lambeth PCT	68.5
5LF	Lewisham PCT	69.6
5C5	Newham PCT	73.8
5NA	Redbridge PCT	74.0

Table 14a: Percentage of persons aged 65 and over immunised against influenza (seasonal flu) by Primary Care Trust, 2010-11

		percentages
		percentage immunised during September 2010 - February 2011
5M6	Richmond & Twickenham PCT	76.7
5LE	Southwark PCT	70.7
5M7	Sutton & Merton PCT	70.6
5C4	Tower Hamlets PCT	76.6
5NC	Waltham Forest PCT	72.2
5LG	Wandsworth PCT	70.1
5LC	Westminster PCT	75.8
Q37	South East Coast	71.1
5LQ	Brighton & Hove City PCT	68.9
5P7	East Sussex Downs & Weald PCT	70.8
5QA	Eastern & Coastal Kent PCT	72.2
5P8	Hastings & Rother PCT	72.5
5L3	Medway PCT	73.3
5P5	Surrey PCT	68.4
5P9	West Kent PCT	73.4
5P6	West Sussex PCT	71.6
Q38	South Central	73.6
5QG	Berkshire East PCT	72.7
5QF	Berkshire West PCT	75.0
5QD	Buckinghamshire PCT	74.0
5QC	Hampshire PCT	73.4
5QT	Isle of Wight Healthcare PCT	70.3
5CQ	Milton Keynes PCT	71.0
5QE	Oxfordshire PCT	75.0
5FE	Portsmouth City Teaching PCT	74.4
5L1	Southampton City PCT	74.2
Q39	South West	73.0
5FL	Bath & North East Somerset PCT	74.7
5QN	Bournemouth & Poole PCT	71.9
5QJ	Bristol PCT	75.6
5QP	Cornwall & Isles of Scilly PCT	70.0
5QQ	Devon PCT	71.5
5QM	Dorset PCT	72.8
5QH	Gloucestershire PCT	75.0
5M8	North Somerset PCT	75.4
5F1	Plymouth Teaching PCT	73.6
5QL	Somerset PCT	73.3
5A3	South Gloucestershire PCT	78.7
5K3	Swindon PCT	72.6
TAL	Torbay Care Trust	70.0
5QK	Wiltshire PCT	73.2

⁽¹⁾ On 1st April 2010, 5CC - Blackburn with Darwen PCT became TAP - Blackburn and Darwen Teaching PCT Plus

⁽²⁾ On 1st April 2010, 5P3 - East & North Hertfordshire PCT and 5P4 - West Hertfordshire PCT merged to create 5QV - Hertfordshire PCT

Source: Department of Health

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Appendices

Appendix A – Glossary

For further information on the diseases included in the glossary above see ‘Immunisation against Infectious Diseases – the Green Book’¹⁹

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> ²⁰ .
CHIS	Child Health Information System.
Diphtheria	Diphtheria is a potentially fatal, contagious disease that usually involves the nose, throat, and air passages, but may also infect the skin ²¹ .
DTaP/IPV/Hib	Childhood vaccine providing protection against Diphtheria, Tetanus, Polio, Pertussis and <i>Haemophilus influenzae b</i>
<i>Haemophilus influenzae</i> type b	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 ²² .
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 ²³ .
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 ²⁴ .
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 ²⁵ .
MenC	Childhood vaccine providing protection against meningococcal group C disease
Meningococcal group	Meningococcal group C disease can cause meningitis, and

¹⁹ Source: <http://www.dh.gov.uk/en/PublicHealth/Immunisation/Greenbook/index.htm>

²⁰ Source: <http://www.nhs.uk/Conditions/BCG/Pages/Introduction.aspx>

²¹ Source: <http://www.nhs.uk/Conditions/Diphtheria/Pages/Introduction.aspx>

²² Source: <http://www.nhs.uk/conditions/hib/Pages/Introduction.aspx>

²³ Source: <http://www.nhs.uk/conditions/hpv-vaccination/pages/introduction.aspx>

²⁴ Source: <http://www.nhs.uk/conditions/flu/Pages/Introduction.aspx>

²⁵ Source: <http://www.nhs.uk/conditions/Measles/Pages/Introduction.aspx?url=Pages/What-is-it.aspx>

C disease	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
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 ²⁶ .
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 ²⁷ .
Pneumococcal disease (PCV)	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 ²⁸ .
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) ²⁹
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 ³⁰ .
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> ³¹ .
Tuberculosis	Tuberculosis (TB) is a bacterial infection. It is spread by inhaling tiny droplets of saliva from the coughs or sneezes of an infected person ³² .

²⁶ Source: <http://www.nhs.uk/conditions/Mumps/Pages/Introduction.aspx?url=Pages/What-is-it.aspx>

²⁷ Source: <http://www.nhs.uk/conditions/whooping-cough/pages/introduction.aspx>

²⁸ Source: <http://www.nhs.uk/conditions/pneumococcal-infections/pages/introduction.aspx>

²⁹ Source: <http://www.nhs.uk/conditions/polio-and-post-polio-syndrome-/pages/introduction.aspx>

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

³¹ Source: <http://www.nhs.uk/conditions/tetanus/pages/introduction.aspx>

³² Source: <http://www.nhs.uk/conditions/Tuberculosis/Pages/Introduction.aspx>

Appendix B – Data Quality

COVER Data

Information on childhood immunisation coverage at ages one, two and five is collected through the Cover of Vaccination Evaluated Rapidly (COVER) data collection from Child Health Information Systems (CHISs) for PCTs.

Data collections are quality assured at the time of collection by the HPA and further data validation and quality assurance processes are carried out by the NHS IC prior to publication. Extensive work has been undertaken to verify data submitted on the COVER return, particularly where comparisons to previous year's data demonstrated a significant year-on-year variation.

Issues with some CHISs over recent years (including issues associated with the implementation of new systems) have affected the quality of COVER data. Table B1 shows the data issues that have been reported by PCTs from 2005-06 to 2009-10.

Table B1: Data Issues associated with Child Health Information Systems

Year	Data issues
2005-06	Nine London PCTs* 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 ongoing 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 ongoing 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.

* There are 31 PCTs in London

As the breakdown in Table B1 shows, the data quality issues reported in recent years have been primarily, but not exclusively, associated with London PCTs.

In 2010-11, all 151 Primary Care Trusts were able to supply complete COVER data for childhood immunisations. Although some PCTs reported improvements in data quality in 2010-11, the number of trusts highlighting problems with data quality increased from 2009-10. Ten PCTs (including three London PCTs) identified data quality issues in 2010-11. Six of the ten PCTs reported that the quality issues were associated with CHIS implementation. In addition, two PCTs reported only partial data for their area and a further one London PCT reported figures that were estimates based on available data.

Due to the ongoing issues with 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. While this issue will be more apparent at a local level, it will also have an impact on the national figures.

KC50 data

Information about immunisation of children aged 13-18 years receiving a reinforcing dose of tetanus, diphtheria and polio (Td/IPV) and MMR and the BCG programme for all persons is collected on the KC50 return from Trusts providing immunisation services.

Data collections are quality assured by the NHS IC. Extensive work has been undertaken to verify data submitted on the KC50 form, particularly in relation to data which became mandatory for the first time in the 2010-11 collection (see below) and where comparisons to previous year's data demonstrated a significant year-on-year variation.

KC50 returns were received from all but one of the Trusts that provide an immunisation service.

Data quality/completeness issues were identified by 20 Trusts, 11 of which mentioned issues associated with Child Health Information Systems. Nine of the 20 Trusts reported that the data they had submitted was incomplete. In contrast to this, 16 Trusts reported improvements to either data quality, data reporting or data collection.

Tetanus, diphtheria and polio (Td/IPV)

Changes were made to the KC50 data collection for 2010-11, making it mandatory for PCTs to submit data on the numbers of children aged 13-18 years eligible for reinforcing doses of diphtheria, tetanus and polio (Td/IPV). The changes made to the KC50 also required PCTs to provide the Td/IPV data disaggregated into one year age bands. In previous years the provision of data on the eligible population and the age breakdown have not been mandatory and many providers of immunisation services were unable to extract this information from their CHISs. In particular, there were issues around supplying data for those aged over 16 and therefore those aged 17 and 18 who might have been vaccinated may not have been included in the KC50 return.

Despite the changes made to the KC50 collection for 2010-11, the quality of the Td/IPV data was mixed. Some PCTs were still unable to supply the data due to issues associated with extracting the data from CHISs (e.g. where CHIS providers had been unable to implement the required system changes in time for the 2010-11 collection). Other PCTs provided the required data on eligible population but, in many cases, validation of the data suggested that the eligible population had not been identified correctly.

Due to these quality issues the full data set has not been published in this report. The full dataset is, however, available via the following link:

www.ic.nhs.uk/pubs/immstats1011

Users are advised to read the Introductory Note that accompanies the data files as this details the quality issues identified in the dataset which should be considered when using it.

As in previous years, the numbers of those between the ages of 13 and 18 years receiving reinforcing doses of tetanus, diphtheria and polio (Td/IPV) has been reported. The number of Td/IPV vaccinations reported by many Trusts showed considerable year on year variation. The most common reasons reported by Trusts for these variations were:

- changes to local immunisation programmes (e.g. changes to the scheduling of vaccination programmes, more vaccination sessions run in schools, follow-ups, vaccination offered in GP surgeries)
- the impact of catch-up programmes (either in the current reporting year or in previous years)
- improvements to data collection/reporting.

Note that due to the issues around data quality and implementation of the changes to the KC50 collection, some caution should be exercised when comparing vaccination numbers between Trusts and over time, as apparent trends/differences could reflect changes in the quality/completeness of data reported as well as real changes in vaccinations given.

Tuberculosis (BCG)

Data quality issues (some associated with Child Health Information Systems) continue to affect the quality of data collected through the KC50 on **Tuberculosis (BCG)** vaccinations in some PCTs. Some caution should therefore be exercised when comparing vaccination statistics between Trusts and over time.

Once again, the number of Tuberculosis vaccinations (BCG) given at a local level varied. Extensive work has been undertaken to verify data submitted on the numbers of children vaccinated, particularly where comparisons to previous year's data demonstrated a significant year-on-year variation. The most common reasons reported by Trusts for variation in the numbers vaccinated from those reported in 2009-10 were:

- changes to local immunisation programmes (e.g. a greater focus on high risk groups from abroad, new community TB nursing service, catch up programmes)

run in the previous year, change in clinic location, a new programme delivered in maternity units).

- improvements to data quality, reporting and/or collection
- changes to the numbers of requiring vaccination (e.g. increases in the numbers of those at risk moving into the area)

Although data supplied relating to Mantoux tests has undergone some validation, these data have not been subject to the same level of validation as other data collected on the KC50. Some caution should, therefore, be exercised when interpreting these data.

Revisions to 2009-10 statistics

Subsequent to publishing the Immunisations Statistics 2009-10 bulletin on 30 November 2010, some local figures submitted by Torbay Care Trust were reported by the Trust as incorrect. Figures were not revised in the 2009-10 publication as the national impact of the changes was very limited. The correct figures reported by Torbay Care Trust are footnoted in the publication's Excel Tables file in tables 10a, 11a and 12a.

Some local figures for Telford and Wrekin PCT were also found to be in need of revision subsequent to publication. Again, the figures in the 2009-10 publication were not revised as the national impact of the changes was very limited. Full details of the revisions are footnoted within the publication's Excel Tables file in table 13a.

For the current report, any national or SHA figures for 2009-10 which were affected by the revisions to the two PCTs remain unaltered. This provides consistency with the national and SHA figures reported in the 2009-10 publication.

Appendix C – Feedback from Users

The publication webpage has a 'Have your say' link which invites users to comment on the publication. We have received comments from two users following the last two publications (NHS Immunisation Statistics, England, 2008-09 and 2009-10) covering the following areas:

The comments were received from:

Public Health Organisation	1
Private sector	1

When asked how useful the report was, the responses were:

Very useful	0
Useful	1
Not very useful	1
Not useful at all	0

One user queried if the data could be made available at local authority level. Unfortunately this is not possible as the data are collected in aggregated form from PCTs.

Another user queried why the influenza statistics for At Risk groups were not included in the 2008-09 publication. The 2009-10 publication included a link to the Department of Health publication which contains these statistics, making them more easily accessible.

Appendix D – KC50 Form

Page 1

Organisation code:

Form Number:

Work Area:

This is the only pag

Please ensure you have only one Omnibus window open at a time, even if you are logged in as different organisations. Opening more than one window can cause data to be saved incorrectly and lead to errors in your organisation's return.

Part A

Immunisations given to children aged 13-18 years within the reporting period

	Number of DT/FPV reinforcing doses given to children aged 13-18 only in the year		Number of courses of MMR completed in the year for children aged 13-18	
	(1) Number of eligible children	(2) Number vaccinated	(3) Number of eligible children	(4) Number vaccinated
Becoming age 13 years				
Becoming age 14 years				
Becoming age 15 years				
Becoming age 16 years				
Becoming age 17 years				
Becoming age 18 years				
Total Becoming all ages 13 - 18 years				

Part B

BCG (Tuberculosis) persons aged 1 year or over within the reporting period in at-risk categories

	Number of vaccinations in the year		
	(5) Number of Mantoux tests carried out in the year to determine whether BCG vaccine should be given	(6) Number identified as requiring vaccination	(7) Vaccinated
Under 1*			
Becoming 1-5 years			
Becoming 6-15 years			
Becoming 16 years or over			
Total			

*See Part C for neonatal BCG vaccinations

Part C

BCG (Tuberculosis) infants aged under 1 year within the reporting period in at-risk categories

	(8) Number identified as requiring vaccination	(9) Number vaccinated
All infants vaccinated routinely		
Infants in selective high-risk groups only		
Other programmes and opportunistic		
Total aged under 1 year		

Part D

Comments

Please record in the box below any factors that may have significantly increased or decreased the figures from the previous year.

Thank you for completing the collection. Please ensure that you click the Release Final button at the top right hand corner of the collection so the data is released back to The NHS Information Centre for health and social care.

Appendix E – KC50 Guidance Notes (2010-11)

General Guidance

The return needs to be completed to cover the period 1 April 2010 to 31 March 2011.

In compiling information about vaccination and immunisation programmes, it is suggested that Information Managers liaise with Immunisation Co-ordinators locally.

Childhood immunisation is included in tier 2 of 'Vital Signs' under the heading: "VSB10: Individuals who complete immunisation by recommended ages."

Full technical definitions for all indicators is available through Unify2.

Lines 19 to 21 relate to children aged 13-18 immunised with a booster dose of tetanus, diphtheria and polio.

Specific Guidance

The KC50 records information on the immunisation of children aged 13-18 years receiving a reinforcing dose of tetanus, diphtheria and polio (Td/IPV) and MMR, and the BCG programme for all persons, within each PCT, including those provided by GPs and other community/primary care staff.

Childhood immunisation is included in tier 2 of 'Vital Signs' under the heading: "VSB10: Individuals who complete immunisation by recommended ages." Full technical definitions for all indicators is available through Unify2. Lines 19 to 21 relate to children aged 13-18 immunised with a booster dose of tetanus, diphtheria and polio.

The following groups of children are to be included as PCT responsible population for KC50 data.

Children for whom the PCT is responsible are:

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

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

The KC50 return relates to the number of courses of immunisation completed in the year.

With the extension of the COVER collection (see below), the KC50 return is now to be used

only for BCG (at any age), and for booster doses given to school leavers and other 13-18 year olds.

Information about uptake of immunisation at ages 1, 2 and 5, formerly collected on the KC51 return, is collected through the "COVER" (cover of vaccination evaluated rapidly) returns made to the Communicable Disease Surveillance Centre (CDSC).

Trusts are asked to ensure that all the relevant immunisation activity in their area is recorded, including that provided by GPs or other community/primary care staff. If necessary please liaise with neighbouring Trusts to ensure that full information about your Trust's immunisation programme is obtained, and that there is no duplication. If you are unable to provide complete data for your trust please say so on the KC50 return in the box provided at the end of the collection form.

In compiling information about vaccination and immunisation programmes, it is suggested that Information Managers liaise with Immunisation Co-ordinators locally.

The information obtained from the KC50 collection is published annually, and is available from the following web page; statistics-and-data-collections/health-and-lifestyles/immunisation

MAIN CHANGES TO THE 2010-11 COLLECTION

1. Age is defined as age when vaccinated during the reporting period – see detailed guidance below for parts A and B.
2. Part A:
Provision of data disaggregated by 13 - 18 age bands is now mandatory. Provision of denominator data (number of eligible children) is now mandatory.
3. Part B:
Provision of data is now mandatory for:
 - i. under 1 year of age
 - ii. 1 – 5 years of age
 - iii. 6 – 15 years of age
 - iv. 16 years of age or over

Part A – Immunisations given to school leavers and other children aged 13-18

Note that this relates children who receive a booster or reinforcing dose who became 13 -18 years within the reporting period.

Column (1 and 3): record the number of children who were eligible for vaccination (i.e. who had not been previously vaccinated at an earlier age).

The number of children who are eligible is those children who become 13 -18 years within the reporting period. See Table 1 below for definitions.

Table 1. Definitions of in year age to determine the denominator of those who should be offered the Td/IPV vaccination within the reporting period between 1 April 2010 and 31 March 2011.

Age within the reporting period	Born between
Becoming 13 years	1 April 1997 and 31 March 1998
Becoming 14 years	1 April 1996 and 31 March 1997
Becoming 15 years	1 April 1995 and 31 March 1996
Becoming 16 years	1 April 1994 and 31 March 1995
Becoming 17 years	1 April 1993 and 31 March 1994
Becoming 18 years	1 April 1992 and 31 March 1993

Column (2) record the total number of booster low dose Diphtheria, Tetanus and Polio (Td/IPV) given to school leavers during the financial year.

Column (4) record the total number of children aged 13-18 on receipt of MMR.

Part B - BCG (Tuberculosis) Persons aged 1 year or over in at-risk categories

Part B relates to persons who receive BCG vaccinations as part of the risk-based immunisation programme (Immunisation Against Infectious Disease, 2006 (The 'Green Book')) who became 1 year or over during the reporting period. Please note that the recording of BCG vaccinations for children aged under 1 year during the reporting period is now in part C of the KC50 return.

See Table 2 below for definitions.

Column (5) record the number of skin tests carried out within the reporting period to determine whether BCG vaccine should be given. A tuberculin skin test is necessary prior to

BCG vaccination for individuals aged six years and over; infants and children under 6 years of age with a history of residence or prolonged stay (more than 3 months) in a country with an annual TB incidence of 40/100,000 or greater; those who have had close contact with a person with known TB; and those who have a family history of TB within the last five years.

Columns (6) – (7): Record the estimated number of people that fell into the high-risk groups covered and the number of vaccinations given.

Part C - BCG (Tuberculosis) Children aged under 1 year

Column 8 should be used as follows: where all children aged under one year of age are routinely vaccinated, enter the number of infants aged under one year during the reporting period the trust is responsible for. Where vaccination is limited to selective high-risk groups, enter the estimated number of infants aged under one year during the reporting period that fell into the high-risk groups covered.

Column 9: record the actual number of infants who were vaccinated and aged under 1 year during the reporting period. For routine and high-risk programmes, this should relate only to those infants shown in column 8; but if this information is not available enter the actual number vaccinated. For other and opportunistic, enter the number of vaccinations given in the year.

Table 2. Definitions of in year age to determine the appropriate age band for reporting those who were offered the BCG vaccination within the reporting period between 1 April 2010 and 31 March 2011.

Age within the reporting period	Born between
Under 1 year	1 April 2010 and 31 March 2011
Becoming 1 – to becoming 5 years	1 April 2005 and 31 March 2010
Becoming 6-15 years	1 April 1995 and 31 March 2005

Age within the reporting period	Born before and up to
Becoming 16 years or over	31 March 1995

Appendix F – COVER Data Collection Form

PCT Name/Code:

2010/2011 - 4 REQUEST PARAMETERS FOR COVER DATA: ANNUAL REQUEST 01/04/10 to 31/03/11

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

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

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

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

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

Request 1: 12 MONTH COHORT

1. Total number of children for whom the PCT is responsible on 31/03/11 reaching their 1st birthday during the above evaluation quarter.

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

DTaP/IPV/Hib	MenC	PCV
%	%	%

Request 2: 24 MONTH COHORT

3. Total number of children for whom the PCT is responsible on 31/03/11 reaching their 2nd birthday during the above evaluation quarter.

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

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

Request 3: 5 YEAR COHORT

5. Total number of children for whom the PCT is responsible on 31/03/11 reaching their 5th birthday during the above evaluation quarter.

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

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

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

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

PCT Name/Code:

HEPATITIS B - 12 MONTH COHORT

8. Total **number** included in line 1 with maternal HB status positive**** and reaching their first birthday during the above evaluation period (i.e. born between 01/04/09 - 31/03/10)

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

HEPATITIS B - 24 MONTH COHORT

10. Total **number** included in line 3 with maternal HB status positive**** and reaching their second birthday during the above evaluation period (i.e. born between 01/04/08 - 31/03/09)

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

Footnotes:

Notes on definitions of COVER parameters:

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

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

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

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

DTaP/IPV/Hib is 3 doses before 2nd birthday; if child received primary immunisations outside UK then 3 doses of each: DTP or DTaP, IPV or OPV before 2nd birthday
MMR1 is 1 dose on or after 1st birthday and before 2nd birthday (i.e. excludes MMR given before 1st birthday)
MenC infant is 2 doses before 1st birthday
Hib/MenC booster is either (i) one dose of combined Hib/MenC vaccine on or after 12 months and before 2nd birthday or (ii) 1 dose of DTaP/IPV/Hib and 1 dose of MenC, both given on or after 1st birthday and before 2nd birthday (i.e. children completing primary course after 1st birthday)
PCV booster is one dose on or after 12 months (irrespective of the number of doses before that age) and before 2nd birthday

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

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

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

Notes:

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

Return by 26th May 2011 to:

E-mail: COVER@hpa.org.uk / **Fax:** 020 8327 7404/**or post:**

COVER

Immunisation Department

Centre for Infections

Health Protection Agency

81 Colindale Avenue

LONDON NW9 5EQ

copies of this can also be f www.hpa.org.uk/infections/topics_az/cover/default.htm

Appendix G - Related Publications and Useful Web Links

This bulletin can be found on the internet at:

<http://www.ic.nhs.uk/statistics-and-data-collections/health-and-lifestyles/immunisation>

Copies of previous editions published by the NHS IC 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://www.dh.gov.uk/en/Publicationsandstatistics/Statistics/StatisticalWorkAreas/StatisticalHealthcare/DH_4086491

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

<http://www.dh.gov.uk/en/PublicHealth/Immunisation/Greenbook/index.htm>

Annual HPV vaccine coverage in England: 2009-10, Department of Health

http://www.dh.gov.uk/prod_consum_dh/groups/dh_digitalassets/documents/digitalasset/dh_123826.pdf

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

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

More information on the seasonal flu vaccination is available from the Department of Health at:

http://www.dh.gov.uk/en/Publicationsandstatistics/Lettersandcirculars/Professionalletters/Chiefmedicalofficerletters/DH_116507

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

http://www.dh.gov.uk/en/PublicHealth/Immunisation/Keyvaccineinformation/DH_104070

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

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

Annex A - Hepatitis B – Experimental Statistics

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

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

The data presented in Tables A1 and A2 represents reported coverage for three doses of hepatitis B vaccine in those infants born to HBsAg positive 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 (2010-11).

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

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

Important Note on Data Quality

The figures presented have been reported by Trusts through the COVER programme and have not been validated by the HPA or the NHS IC like the other statistics presented in the main body of this report. There are a number of issues with the hepatitis B dataset which have either impacted on data quality or have raised potential concerns around the quality of the data. Due to these issues, which are outlined below, it would be inadvisable to draw conclusions from these data and it should be noted that no national or regional data have been published.

The data quality issues identified in 2010-11 returns include:

- No data was received from 21 Trusts.
- For the 12 month cohort, 7 Trusts reported the number of children immunised but did not report the eligible population. For the 24 month cohort, 7 Trusts reported the number of children immunised but did not report the eligible population.
- For the 12 month cohort, 32 Trusts returned a denominator and numerator of zero, indicating no children at risk and none vaccinated (see Table A1). For the 24 month cohort, 36 Trusts returned denominators and numerators of zero (see Table A2). It is unclear whether these returns represent valid data for areas with a low prevalence of infection or missing data. There are not likely to be many Trusts with no infants at risk.

It is hoped that Trusts that have been unable to submit data for 2010-11 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. Publication of these data may highlight, to some Trusts, shortcomings with data collection that need addressing. If Trusts advise the NHS IC of any errors in their reported figures on or shortly after publication, the NHS IC will publish revised tables at the end of November 2011. Trusts wishing to revise their reported figures should contact the NHS IC at enquires@ic.nhs.uk.

A key part of the “Experimental statistics” label is user engagement in the evaluation of those statistics. The NHS IC invites readers to comment on the Hepatitis B statistics, which will help inform the next report. Comments may be sent to enquires@ic.nhs.uk.

Table A1: Experimental Statistics - Percentage of children immunised for Hepatitis B by their 1st birthday, by Primary Care Trust 2010-11⁽³⁾

See **Important Note on Data Quality** below

		Full data submitted		Number immunised only submitted		Zero returns submitted	
		Number immunised only submitted		Zero returns submitted		No data submitted	
		Zero returns submitted		No data submitted			
		No data submitted					
		ONS Code	Eligible population ⁽¹⁾	Number of children immunised ⁽²⁾	Coverage (%)		Data type
England							
Q30	North East	E18000001					
5D7	Newcastle PCT	E16000017	21	14	66.7	Full data submitted	
TAC	Northumberland Care Trust PCT	E17000001	*	*	*	Full data submitted	
5KL	Sunderland Teaching PCT	E16000052	-	10	-	Number immunised only submitted	
5ND	County Durham PCT	E16000085	0	0	-	Zero returns submitted	
5J9	Darlington PCT	E16000041	0	0	-	Zero returns submitted	
5D8	North Tyneside PCT	E16000018	0	0	-	Zero returns submitted	
5KG	South Tyneside PCT	E16000051	0	0	-	Zero returns submitted	
5KF	Gateshead PCT	E16000050	-	-	-	No data submitted	
5D9	Hartlepool PCT	E16000019	-	-	-	No data submitted	
5KM	Middlesbrough PCT	E16000053	-	-	-	No data submitted	
5QR	Redcar & Cleveland PCT	E16000146	-	-	-	No data submitted	
5E1	Stockton-on-Tees Teaching PCT	E16000020	-	-	-	No data submitted	
Q31	North West	E18000002					
5NP	Central & Eastern Cheshire PCT	E16000095	5	5	100	Full data submitted	
5NG	Central Lancashire PCT	E16000088	11	11	100	Full data submitted	
5NL	Liverpool PCT	E16000092	16	16	100	Full data submitted	
5J2	Warrington PCT	E16000037	3	3	100	Full data submitted	
5F5	Salford PCT	E16000025	37	35	94.6	Full data submitted	
5NJ	Sefton PCT	E16000090	7	6	85.7	Full data submitted	
5NT	Manchester PCT	E16000098	45	38	84.4	Full data submitted	
5HG	Ashton, Leigh & Wigan PCT	E16000032	5	4	80.0	Full data submitted	
5NR	Trafford PCT	E16000097	10	8	80.0	Full data submitted	
5J5	Oldham PCT	E16000039	41	29	70.7	Full data submitted	
5LH	Tameside & Glossop PCT	E16000062	30	16	53.3	Full data submitted	
5HQ	Bolton PCT	E16000034	23	8	34.8	Full data submitted	
5NH	East Lancashire PCT	E16000089	23	7	30.4	Full data submitted	
5NN	Western Cheshire PCT	E16000094	*	*	*	Full data submitted	
TAP	Blackburn with Darwen PCT	E17000006	*	*	*	Full data submitted	
5NK	Wirral PCT	E16000091	*	*	*	Full data submitted	
5NQ	Heywood, Middleton & Rochdale PCT	E16000096	-	1	-	Number immunised only submitted	
5HP	Blackpool PCT	E16000033	0	0	-	Zero returns submitted	
5JX	Bury PCT	E16000043	0	0	-	Zero returns submitted	
5NE	Cumbria PCT	E16000086	0	0	-	Zero returns submitted	
5NM	Halton & St Helens PCT	E16000093	0	0	-	Zero returns submitted	
5NF	North Lancashire PCT	E16000087	0	0	-	Zero returns submitted	
5F7	Stockport PCT	E16000026	0	0	-	Zero returns submitted	
5J4	Knowsley PCT	E16000038	-	-	-	No data submitted	
Q32	Yorkshire & the Humber	E18000003					
5NY	Bradford & Airedale PCT	E16000102	41	41	100	Full data submitted	
5J6	Calderdale PCT	E16000040	4	4	100	Full data submitted	
5N5	Doncaster PCT	E16000078	10	10	100	Full data submitted	
5N2	Kirklees PCT	E16000075	48	48	100	Full data submitted	
5N1	Leeds PCT	E16000074	36	36	100	Full data submitted	
5NV	North Yorkshire & York PCT	E16000099	3	3	100	Full data submitted	
5N3	Wakefield District PCT	E16000076	13	12	92.3	Full data submitted	
5N4	Sheffield PCT	E16000077	*	*	*	Full data submitted	
5NW	East Riding of Yorkshire PCT	E16000100	-	15	-	Number immunised only submitted	
5NX	Hull PCT	E16000101	-	39	-	Number immunised only submitted	
TAN	North East Lincolnshire	E17000005	-	10	-	Number immunised only submitted	
5JE	Barnsley PCT	E16000042	0	0	-	Zero returns submitted	
5EF	North Lincolnshire PCT	E16000021	0	0	-	Zero returns submitted	
5H8	Rotherham PCT	E16000031	0	0	-	Zero returns submitted	
Q33	East Midlands	E18000004					
5N8	Nottinghamshire County PCT	E16000081	5	5	100	Full data submitted	
5N7	Derby City PCT	E16000080	20	18	90.0	Full data submitted	
5PD	Northamptonshire PCT	E16000114	46	38	82.6	Full data submitted	
5EM	Nottingham City PCT	E16000022	17	12	70.6	Full data submitted	
5N9	Lincolnshire PCT	E16000082	108	50	46.3	Full data submitted	
5ET	Bassetlaw PCT	E16000023	0	0	-	Zero returns submitted	
5N6	Derbyshire County PCT	E16000079	0	0	-	Zero returns submitted	
5PC	Leicester City PCT	E16000113	-	-	-	No data submitted	
5PA	Leicestershire County & Rutland PCT	E16000112	-	-	-	No data submitted	
Q34	West Midlands	E18000005					
5PE	Dudley PCT	E16000115	6	6	100	Full data submitted	
5PJ	Stoke on Trent PCT	E16000119	13	13	100	Full data submitted	
5M3	Walsall Teaching PCT	E16000066	8	8	100	Full data submitted	
5MD	Coventry Teaching PCT	E16000070	32	31	96.9	Full data submitted	
5M1	South Birmingham PCT	E16000064	16	15	93.8	Full data submitted	
5PF	Sandwell PCT	E16000116	13	12	92.3	Full data submitted	
5PM	Warwickshire PCT	E16000122	6	5	83.3	Full data submitted	
5PG	Birmingham East & North PCT	E16000117	53	40	75.5	Full data submitted	

Table A1: Experimental Statistics - Percentage of children immunised for Hepatitis B by their 1st birthday, by Primary Care Trust 2010-11⁽³⁾

See **Important Note on Data Quality** below

		ONS Code	Eligible population ⁽¹⁾	Number of children immunised ⁽²⁾	Coverage (%)	Data type
						Full data submitted
						Number immunised only submitted
						Zero returns submitted
						No data submitted
England						
5MX	Heart of Birmingham Teaching PCT	E16000073	53	40	75.5	Full data submitted
5CN	Herefordshire PCT	E16000015	*	*	*	Full data submitted
5PH	North Staffordshire PCT	E16000118	*	*	*	Full data submitted
TAM	Solihull Care Trust	E17000004	*	*	*	Full data submitted
5M2	Shropshire County PCT	E16000065	0	0	-	Zero returns submitted
5PK	South Staffordshire PCT	E16000120	0	0	-	Zero returns submitted
5MK	Telford & Wrekin PCT	E16000071	0	0	-	Zero returns submitted
5MV	Wolverhampton City PCT	E16000072	-	-	-	No data submitted
5PL	Worcestershire PCT	E16000121	-	-	-	No data submitted
Q35	East of England	E18000006				
5PR	Great Yarmouth & Waveney PCT	E16000126	4	4	100	Full data submitted
5QV	Hertfordshire PCT	E16000150	16	15	93.8	Full data submitted
5PQ	Norfolk PCT	E16000125	12	11	91.7	Full data submitted
5PY	South West Essex PCT	E16000131	20	18	90.0	Full data submitted
5PV	West Essex PCT	E16000128	7	6	85.7	Full data submitted
5P2	Bedfordshire PCT	E16000104	31	25	80.6	Full data submitted
5PT	Suffolk PCT	E16000127	9	7	77.8	Full data submitted
5GC	Luton PCT	E16000029	64	41	64.1	Full data submitted
5PN	Peterborough PCT	E16000123	14	7	50.0	Full data submitted
5PX	Mid Essex PCT	E16000130	*	*	*	Full data submitted
5PP	Cambridgeshire PCT	E16000124	*	*	*	Full data submitted
5P1	South East Essex PCT	E16000103	*	*	*	Full data submitted
5PW	North East Essex PCT	E16000129	-	33	-	Number immunised only submitted
Q36	London	E18000007				
5K9	Croydon PCT	E16000049	34	34	100	Full data submitted
5C4	Tower Hamlets PCT	E16000011	36	36	100	Full data submitted
5C9	Haringey Teaching PCT**	E16000013	23	23	100	Full data submitted
TAK	Bexley Care Trust PCT	E17000002	9	9	100	Full data submitted
5NC	Waltham Forest PCT	E16000084	49	48	98.0	Full data submitted
5LD	Lambeth PCT	E16000058	34	33	97.1	Full data submitted
5LE	Southwark PCT	E16000059	51	48	94.1	Full data submitted
5LF	Lewisham PCT	E16000060	12	11	91.7	Full data submitted
5C1	Enfield PCT	E16000008	10	9	90.0	Full data submitted
5A8	Greenwich Teaching PCT	E16000005	46	39	84.8	Full data submitted
5M7	Sutton & Merton PCT	E16000068	13	11	84.6	Full data submitted
5A7	Bromley PCT	E16000004	16	13	81.3	Full data submitted
5LG	Wandsworth PCT	E16000061	21	17	81.0	Full data submitted
5K5	Brent Teaching PCT	E16000045	231	178	77.1	Full data submitted
5M6	Richmond & Twickenham PCT	E16000067	13	10	76.9	Full data submitted
5A9	Barnet PCT	E16000006	53	38	71.7	Full data submitted
5HY	Hounslow PCT	E16000036	7	5	71.4	Full data submitted
5HX	Ealing PCT	E16000035	24	16	66.7	Full data submitted
5H1	Hammersmith & Fulham PCT	E16000030	8	5	62.5	Full data submitted
5C5	Newham PCT	E16000012	62	33	53.2	Full data submitted
5NA	Redbridge PCT	E16000083	6	2	33.3	Full data submitted
5A4	Havering PCT	E16000002	5	*	*	Full data submitted
5C2	Barking & Dagenham PCT	E16000009	10	*	*	Full data submitted
5K7	Camden PCT	E16000047	0	0	-	Zero returns submitted
5AT	Hillingdon PCT	E16000007	0	0	-	Zero returns submitted
5A5	Kingston PCT	E16000003	0	0	-	Zero returns submitted
5C3	City & Hackney Teaching PCT	E16000010	-	-	-	No data submitted
5K6	Harrow PCT	E16000046	-	-	-	No data submitted
5K8	Islington PCT	E16000048	-	-	-	No data submitted
5LA	Kensington & Chelsea PCT	E16000056	-	-	-	No data submitted
5LC	Westminster PCT	E16000057	-	-	-	No data submitted
Q37	South East Coast	E18000008				
5P5	Surrey PCT	E16000107	3	3	100	Full data submitted
5P9	West Kent PCT	E16000111	23	22	95.7	Full data submitted
5QA	Eastern & Coastal Kent PCT	E16000132	29	24	82.8	Full data submitted
5L3	Medway PCT	E16000055	16	13	81.3	Full data submitted
5LQ	Brighton & Hove City PCT	E16000063	0	0	-	Zero returns submitted
5P7	East Sussex Downs & Weald PCT	E16000109	0	0	-	Zero returns submitted
5P8	Hastings & Rother PCT	E16000110	0	0	-	Zero returns submitted
5P6	Sussex Community NHS Trust	E16000108	-	-	-	No data submitted
Q38	South Central	E18000009				
5QG	Berkshire East PCT	E16000137	24	24	100	Full data submitted
5CQ	Milton Keynes PCT	E16000016	16	16	100	Full data submitted
5QE	Oxfordshire PCT	E16000135	16	16	100	Full data submitted
5QF	Berkshire West PCT	E16000136	34	33	97.1	Full data submitted
5L1	Southampton City PCT	E16000054	12	11	91.7	Full data submitted
5QD	Buckinghamshire PCT	E16000134	8	7	87.5	Full data submitted
5QC	Hampshire PCT	E16000133	*	*	*	Full data submitted

Table A1: Experimental Statistics - Percentage of children immunised for Hepatitis B by their 1st birthday, by Primary Care Trust 2010-11⁽³⁾

See **Important Note on Data Quality** below

		<div style="display: flex; justify-content: space-between; font-size: 8px;"> Full data submitted Number immunised only submitted Zero returns submitted No data submitted </div>				
	ONS Code	Eligible population ⁽¹⁾	Number of children immunised ⁽²⁾	Coverage (%)	Data type	
England						
5QT	Isle of Wight Healthcare PCT	E16000147	0	0	- Zero returns submitted	
5FE	Portsmouth City Teaching PCT	E16000027	0	0	- Zero returns submitted	
Q39	South West	E18000010				
5K3	Swindon PCT	E16000044	10	10	100 Full data submitted	
5F1	Plymouth Teaching PCT	E16000024	54	38	70.4 Full data submitted	
5QH	Gloucestershire PCT	E16000138	6	1	16.7 Full data submitted	
5QQ	Devon PCT	E16000145	*	*	* Full data submitted	
5QM	Dorset PCT	E16000142	*	*	* Full data submitted	
5QL	Somerset PCT	E16000141	*	*	* Full data submitted	
5QK	Wiltshire PCT	E16000140	-	6	- Number immunised only submitted	
5FL	Bath & North East Somerset PCT	E16000028	0	0	- Zero returns submitted	
5QJ	Bristol PCT	E16000139	0	0	- Zero returns submitted	
5M8	North Somerset PCT	E16000069	0	0	- Zero returns submitted	
5A3	South Gloucestershire PCT	E16000001	0	0	- Zero returns submitted	
5QN	Bournemouth & Poole PCT	E16000143	-	-	- No data submitted	
5QP	Cornwall & Isles of Scilly PCT	E16000144	-	-	- No data submitted	
TAL	Torbay Care Trust	E17000003	-	-	- No data submitted	

⁽¹⁾ Total number of children reaching their first 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

* Some figures in the above table have been suppressed due to potential disclosure issues associated with small numbers, as follows:

Where the number of number of children reaching their first birthday during the specified evaluation period with maternal Hep B positive status is 1 or 2, all figures for that Trust have been suppressed.

Where the number of eligible children is greater than 0 and the number of children vaccinated is 1 or less, the number of children vaccinated and coverage have been suppressed.

**Haringey PCT experienced data collection issues and therefore submitted partial data. These figures are for Q3 and Q4 2010-11 only.

Source: COVER

Important Note on Data Quality

These statistics, which are published for the first time in this year's NHS Immunisation Statistics, England, are published as 'experimental statistics' as they are undergoing evaluation. The figures presented have been reported by Trusts through the COVER programme and have not been validated by the HPA or the NHS IC. There are a number of issues with the hepatitis B dataset which have either impacted on data quality or have raised potential concerns around the quality of the data (see Annex A of NHS Immunisation Statistics, England, 2010-11 for more information). Due to these issues, it would be inadvisable to draw conclusions from these data. Publication of these data may highlight to some Trusts, shortcomings with data collection that need addressing.

⁽³⁾ Figures for the following PCTs were revised in December 2011: Haringey Teaching PCT, Great Yarmouth & Waveney PCT, Bexley Care Trust PCT, Buckinghamshire PCT, Wirral PCT and Suffolk PCT.

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Table A2: Experimental Statistics - Percentage of children immunised for Hepatitis B by their 2nd birthday, by Primary Care Trust 2010-11⁽³⁾

See Important Note on Data Quality below

		<table border="1" style="display: inline-table; margin-right: 20px;"> <tr><td style="background-color: #d9ead3;">Full data submitted</td></tr> <tr><td style="background-color: #f4cccc;">Number immunised only submitted</td></tr> <tr><td style="background-color: #fce4d6;">Zero returns submitted</td></tr> <tr><td style="background-color: #f8cbad;">No data submitted</td></tr> </table>				Full data submitted	Number immunised only submitted	Zero returns submitted	No data submitted	
Full data submitted										
Number immunised only submitted										
Zero returns submitted										
No data submitted										
	ONS Code	Eligible population ⁽¹⁾	Number of children immunised ⁽²⁾	Coverage (%)	Data type					
England										
Q30	North East	E18000001								
5D7	Newcastle PCT	E16000017	17	4	23.5 Full data submitted					
5J9	Darlington PCT	E16000041	*	*	* Full data submitted					
5D8	North Tyneside PCT	E16000018	*	*	* Full data submitted					
TAC	Northumberland Care Trust PCT	E17000001	*	*	* Full data submitted					
5ND	County Durham PCT	E16000085	-	1	- Number immunised only submitted					
5KL	Sunderland Teaching PCT	E16000052	-	4	- Number immunised only submitted					
5KG	South Tyneside PCT	E16000051	0	0	0.0 Zero returns submitted					
5KF	Gateshead PCT	E16000050	-	-	- No data submitted					
5D9	Hartlepool PCT	E16000019	-	-	- No data submitted					
5KM	Middlesbrough PCT	E16000053	-	-	- No data submitted					
5QR	Redcar & Cleveland PCT	E16000146	-	-	- No data submitted					
5E1	Stockton-on-Tees Teaching PCT	E16000020	-	-	- No data submitted					
Q31	North West	E18000002								
5HG	Ashton, Leigh & Wigan PCT	E16000032	5	5	100 Full data submitted					
5NG	Central Lancashire PCT	E16000088	9	9	100 Full data submitted					
5NL	Liverpool PCT	E16000092	26	26	100 Full data submitted					
5NT	Manchester PCT	E16000098	60	52	86.7 Full data submitted					
5NK	Wirral PCT	E16000091	8	6	75.0 Full data submitted					
5NP	Central & Eastern Cheshire PCT	E16000095	4	3	75.0 Full data submitted					
5NJ	Sefton PCT	E16000090	11	8	72.7 Full data submitted					
5F5	Salford PCT	E16000025	7	4	57.1 Full data submitted					
5NR	Trafford PCT	E16000097	15	8	53.3 Full data submitted					
5J5	Oldham PCT	E16000039	63	31	49.2 Full data submitted					
5HQ	Bolton PCT	E16000034	28	10	35.7 Full data submitted					
5LH	Tameside & Glossop PCT	E16000062	46	5	10.9 Full data submitted					
5J2	Warrington PCT	E16000037	*	*	* Full data submitted					
5NN	Western Cheshire PCT	E16000094	*	*	* Full data submitted					
TAP	Blackburn and Darwen Teaching PCT Plus	E17000006	*	*	* Full data submitted					
5NH	East Lancashire PCT	E16000089	6	*	* Full data submitted					
5NQ	Heywood, Middleton & Rochdale PCT	E16000096	-	10	- Number immunised only submitted					
5HP	Blackpool PCT	E16000033	0	0	- Zero returns submitted					
5JX	Bury PCT	E16000043	0	0	- Zero returns submitted					
5NE	Cumbria PCT	E16000086	0	0	- Zero returns submitted					
5NM	Halton & St Helens PCT	E16000093	0	0	- Zero returns submitted					
5NF	North Lancashire PCT	E16000087	0	0	- Zero returns submitted					
5F7	Stockport PCT	E16000026	0	0	- Zero returns submitted					
5J4	Knowsley PCT	E16000038	-	-	- No data submitted					
Q32	Yorkshire & the Humber	E18000003								
5J6	Calderdale PCT	E16000040	3	3	100 Full data submitted					
5NY	Bradford & Airedale PCT	E16000102	29	28	96.6 Full data submitted					
5N3	Wakefield District PCT	E16000076	9	8	88.9 Full data submitted					
5N5	Doncaster PCT	E16000078	13	9	69.2 Full data submitted					
5N1	Leeds PCT	E16000074	30	17	56.7 Full data submitted					
5NV	North Yorkshire & York PCT	E16000099	5	2	40.0 Full data submitted					
5N2	Kirklees PCT	E16000075	76	24	31.6 Full data submitted					
5H8	Rotherham PCT	E16000031	*	*	* Full data submitted					
5N4	Sheffield PCT	E16000077	*	*	* Full data submitted					
5JE	Barnsley PCT	E16000042	0	0	- Zero returns submitted					
5EF	North Lincolnshire PCT	E16000021	0	0	- Zero returns submitted					
5NW	East Riding of Yorkshire PCT	E16000100	-	34	- Number immunised only submitted					
5NX	Hull PCT	E16000101	-	81	- Number immunised only submitted					
TAN	North East Lincolnshire	E17000005	-	12	- Number immunised only submitted					
Q33	East Midlands	E18000004								
5N8	Nottinghamshire County PCT	E16000081	7	7	100 Full data submitted					
5EM	Nottingham City PCT	E16000022	24	20	83.3 Full data submitted					
5N7	Derby City PCT	E16000080	14	11	78.6 Full data submitted					
5PD	Northamptonshire PCT	E16000114	119	12	10.1 Full data submitted					
5N9	Lincolnshire PCT	E16000082	83	2	2.4 Full data submitted					
5ET	Bassetlaw PCT	E16000023	0	0	- Zero returns submitted					
5N6	Derbyshire County PCT	E16000079	0	0	- Zero returns submitted					
5PC	Leicester City PCT	E16000113	-	-	- No data submitted					
5PA	Leicestershire County & Rutland PCT	E16000112	-	-	- No data submitted					
Q34	West Midlands	E18000005								
5PE	Dudley PCT	E16000115	8	8	100 Full data submitted					
5PF	Sandwell PCT	E16000116	18	18	100 Full data submitted					
5PJ	Stoke on Trent PCT	E16000119	5	5	100 Full data submitted					
5MD	Coventry Teaching PCT	E16000070	22	21	95.5 Full data submitted					

Table A2: Experimental Statistics - Percentage of children immunised for Hepatitis B by their 2nd birthday, by Primary Care Trust 2010-11⁽³⁾

See **Important Note on Data Quality** below

		Full data submitted		Number immunised only submitted		Zero returns submitted	
		Number immunised only submitted		Zero returns submitted		No data submitted	
		Zero returns submitted		No data submitted			
	ONS Code	Eligible population ⁽¹⁾	Number of children immunised ⁽²⁾	Coverage (%)			Data type
England							
5M3	Walsall Teaching PCT	E16000066	4	3	75.0	Full data submitted	
5M1	South Birmingham PCT	E16000064	14	10	71.4	Full data submitted	
5MX	Heart of Birmingham Teaching PCT	E16000073	74	51	68.9	Full data submitted	
5PG	Birmingham East & North PCT	E16000117	42	24	57.1	Full data submitted	
5PM	Warwickshire PCT	E16000122	4	2	50.0	Full data submitted	
5PH	North Staffordshire PCT	E16000118	*	*	*	Full data submitted	
5CN	Herefordshire PCT	E16000015	*	*	*	Full data submitted	
TAM	Soihull Care Trust	E17000004	*	*	*	Full data submitted	
5M2	Shropshire County PCT	E16000065	0	0	-	Zero returns submitted	
5PK	South Staffordshire PCT	E16000120	0	0	-	Zero returns submitted	
5MK	Telford & Wrekin PCT	E16000071	0	0	-	Zero returns submitted	
5MV	Wolverhampton City PCT	E16000072	-	-	-	No data submitted	
5PL	Worcestershire PCT	E16000121	-	-	-	No data submitted	
Q35	East of England	E18000006					
5QV	Hertfordshire PCT	E16000150	10	10	100	Full data submitted	
5PQ	Norfolk PCT	E16000125	6	6	100	Full data submitted	
5PN	Peterborough PCT	E16000123	9	8	88.9	Full data submitted	
5PY	South West Essex PCT	E16000131	23	19	82.6	Full data submitted	
5P2	Bedfordshire PCT	E16000104	37	30	81.1	Full data submitted	
5PV	West Essex PCT	E16000128	4	3	75.0	Full data submitted	
5PT	Suffolk PCT	E16000127	3	2	66.7	Full data submitted	
5GC	Luton PCT	E16000029	80	25	31.3	Full data submitted	
5PP	Cambridgeshire PCT	E16000124	*	*	*	Full data submitted	
5PX	Mid Essex PCT	E16000130	*	*	*	Full data submitted	
5PR	Great Yarmouth & Waveney PCT	E16000126	*	*	*	Full data submitted	
5P1	South East Essex PCT	E16000103	0	0	-	Zero returns submitted	
5PW	North East Essex PCT	E16000129	-	10	-	Number immunised only submitted	
Q36	London	E18000007					
5LG	Wandsworth PCT	E16000061	14	14	100	Full data submitted	
5C4	Tower Hamlets PCT	E16000011	40	38	95.0	Full data submitted	
5NC	Waltham Forest PCT	E16000084	52	49	94.2	Full data submitted	
5LF	Lewisham PCT	E16000060	45	42	93.3	Full data submitted	
5K9	Croydon PCT	E16000049	44	39	88.6	Full data submitted	
5A7	Bromley PCT	E16000004	7	6	85.7	Full data submitted	
5A8	Greenwich Teaching PCT	E16000005	49	42	85.7	Full data submitted	
5H1	Hammersmith & Fulham PCT	E16000030	9	7	77.8	Full data submitted	
5LD	Lambeth PCT	E16000058	31	24	77.4	Full data submitted	
5LE	Southwark PCT	E16000059	56	43	76.8	Full data submitted	
TAK	Bexley Care Trust PCT	E17000002	6	3	50.0	Full data submitted	
5M6	Richmond & Twickenham PCT	E16000067	4	2	50.0	Full data submitted	
5HX	Ealing PCT	E16000035	34	15	44.1	Full data submitted	
5K5	Brent Teaching PCT	E16000045	284	55	19.4	Full data submitted	
5A9	Barnet PCT	E16000006	71	7	9.9	Full data submitted	
5C1	Enfield PCT	E16000008	*	*	*	Full data submitted	
5M7	Sutton & Merton PCT	E16000068	*	*	*	Full data submitted	
5HY	Hounslow PCT	E16000036	3	*	*	Full data submitted	
5C2	Barking & Dagenham PCT	E16000009	0	0	-	Zero returns submitted	
5K7	Camden PCT	E16000047	0	0	-	Zero returns submitted	
5A4	Havering PCT	E16000002	0	0	-	Zero returns submitted	
5AT	Hillingdon PCT	E16000007	0	0	-	Zero returns submitted	
5A5	Kingston PCT	E16000003	0	0	-	Zero returns submitted	
5C5	Newham PCT	E16000012	0	0	-	Zero returns submitted	
5NA	Redbridge PCT	E16000083	0	0	-	Zero returns submitted	
5C3	City & Hackney Teaching PCT	E16000010	-	-	-	No data submitted	
5C9	Haringey Teaching PCT	E16000013	-	-	-	No data submitted	
5K6	Harrow PCT	E16000046	-	-	-	No data submitted	
5K8	Islington PCT	E16000048	-	-	-	No data submitted	
5LA	Kensington & Chelsea PCT	E16000056	-	-	-	No data submitted	
5LC	Westminster PCT	E16000057	-	-	-	No data submitted	
Q37	South East Coast	E18000008					
5P5	Surrey PCT	E16000107	4	3	75.0	Full data submitted	
5L3	Medway PCT	E16000055	10	4	40.0	Full data submitted	
5QA	Eastern & Coastal Kent PCT	E16000132	20	7	35.0	Full data submitted	
5P9	West Kent PCT	E16000111	17	4	23.5	Full data submitted	
5LQ	Brighton & Hove City PCT	E16000063	0	0	-	Zero returns submitted	
5P7	East Sussex Downs & Weald PCT	E16000109	0	0	-	Zero returns submitted	
5P8	Hastings & Rother PCT	E16000110	0	0	-	Zero returns submitted	
5P6	Sussex Community NHS Trust	E16000108	-	-	-	No data submitted	

Table A2: Experimental Statistics - Percentage of children immunised for Hepatitis B by their 2nd birthday, by Primary Care Trust 2010-11⁽³⁾

See **Important Note on Data Quality** below

		<div style="display: flex; justify-content: space-between; font-size: 8px; margin-bottom: 2px;"> Full data submitted Number immunised only submitted Zero returns submitted No data submitted </div>				
	ONS Code	Eligible population ⁽¹⁾	Number of children immunised ⁽²⁾	Coverage (%)	Data type	
England						
Q38	South Central	E1800009				
5CQ	Milton Keynes PCT	E16000016	13	13	100 Full data submitted	
5L1	Southampton City PCT	E16000054	18	18	100 Full data submitted	
5QE	Oxfordshire PCT	E16000135	16	14	87.5 Full data submitted	
5QG	Berkshire East PCT	E16000137	25	21	84.0 Full data submitted	
5QF	Berkshire West PCT	E16000136	33	25	75.8 Full data submitted	
5QC	Hampshire PCT	E16000133	*	*	* Full data submitted	
5QD	Buckinghamshire PCT	E16000134	*	*	* Full data submitted	
5QT	Isle of Wight Healthcare PCT	E16000147	0	0	- Zero returns submitted	
5FE	Portsmouth City Teaching PCT	E16000027	0	0	- Zero returns submitted	
Q39	South West	E18000010				
5QK	Wiltshire PCT	E16000140	5	3	60.0 Full data submitted	
5K3	Swindon PCT	E16000044	7	3	42.9 Full data submitted	
5F1	Plymouth Teaching PCT	E16000024	5	*	* Full data submitted	
5QM	Dorset PCT	E16000142	3	*	* Full data submitted	
5A3	South Gloucestershire PCT	E16000001	*	*	* Full data submitted	
5FL	Bath & North East Somerset PCT	E16000028	0	0	- Zero returns submitted	
5QJ	Bristol PCT	E16000139	0	0	- Zero returns submitted	
5QQ	Devon PCT	E16000145	0	0	- Zero returns submitted	
5QH	Gloucestershire PCT	E16000138	0	0	- Zero returns submitted	
5M8	North Somerset PCT	E16000069	0	0	- Zero returns submitted	
5QL	Somerset PCT	E16000141	0	0	- Zero returns submitted	
5QN	Bournemouth & Poole PCT	E16000143	-	-	- No data submitted	
5QP	Cornwall & Isles of Scilly PCT	E16000144	-	-	- No data submitted	
TAL	Torbay Care Trust	E17000003	-	-	- No data submitted	

⁽¹⁾ Total number of children reaching their second 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

* Some figures in the above table have been suppressed due to potential disclosure issues associated with small numbers, as follows:

Where the number of number of children reaching their first birthday during the specified evaluation period with maternal Hep B positive status is 1 or 2, all figures for that Trust have been suppressed.

Where the number of eligible children is greater than 0 and the number of children vaccinated is 1 or less, the number of children vaccinated and coverage have been suppressed.

Source: COVER

Important Note on Data Quality

These statistics, which are published for the first time in this year's NHS Immunisation Statistics, England, are published as 'experimental statistics' as they are undergoing evaluation. The figures presented have been reported by Trusts through the COVER programme and have not been validated by the HPA or the NHS IC. There are a number of issues with the hepatitis B dataset which have either impacted on data quality or have raised potential concerns around the quality of the data (see Annex A of NHS Immunisation Statistics, England, 2010-11 for more information). Due to these issues, it would be inadvisable to draw conclusions from these data. Publication of these data may highlight to some Trusts, shortcomings with data collection that need addressing.

⁽³⁾ Figures for the following PCTs were revised in December 2011: Great Yarmouth & Waveney PCT, Bexley Care Trust PCT, Buckinghamshire PCT Wirral PCT and Suffolk PCT.

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