



# NHS Immunisation Statistics England 2008-09



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## Experimental Statistics

The series collecting information on immunisation is well established. This year there was additional data available on Hib/MenC combined and PCV at 2 years of age and HPV for 12-13 year olds.

These new parts of the collection have been through quality assurance procedures but have been labelled as 'experimental statistics' since, being new series, there are no previous results with which to compare them and they are still undergoing evaluation.

Further information is available at:

<http://www.statistics.gov.uk/cci/nugget.asp?id=173>

We welcome feedback on the usefulness of these new statistics and the data held within this report. Please send your comments to [enquiries@ic.nhs.uk](mailto:enquiries@ic.nhs.uk)

# Main Findings

- Immunisation of 12-13 year old girls (school year 8) against HPV, and thus protecting them against most cervical cancers, has started well with just over 87% of eligible girls receiving the first dose and 70% of eligible girls completing the programme of all 3 doses. Figures are published at England, Strategic Health Authority (SHA) and Primary Care Trust (PCT) level.
- 78% of children received first and second doses of MMR vaccine between the ages of 2 and 5, a full 4 percentage point increase on the previous year's figure; this coincides with the launch of an MMR catch-up campaign which began in August 2008. Although London remains below the national average, coverage for this age band has increased significantly from 49% for both doses in 2007-08 to 63% this year. <sup>(1)</sup>
- After falling to 80% in 2003-04, uptake of the MMR vaccine for children reaching their second birthday increased steadily to 85% in 2006-07, where it has remained through to 2008-09. <sup>(1)</sup>
- For children reaching their second birthday in 2008-09, uptake of vaccines against Diphtheria, Tetanus, Polio, Pertussis, Haemophilus influenzae type b and Meningitis C was between 92% and 94% and has been stable for the last five years. <sup>(1)</sup>
- There were 239,241 BCG vaccinations in 2008-09, an increase of 10% on the previous year (217,294) given to those in specified at risk categories. While this increase may be due in part to increased familiarity with the new BCG policy, it may also be due to better recording and reporting of BCG immunisation.
- In the second year of reporting, uptake of the Pneumococcal Conjugate Vaccine (PCV) has increased from 84% for children immunised by their first birthday to 91%.
- The number of people aged 65 and over immunised against influenza was 74% in 2008-09, representing no change from the previous two years but still remaining close to WHO target of 75%.

<sup>(1)</sup> Data on childhood immunisation should be treated with some caution as small movements could be partly due to data issues in London where uptake rates are lower than elsewhere in the country. See section on Data Quality

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Figure 1: Percentage of children immunised against DTaP/IPV/Hib at 12 months, by Primary Care Trust, 2008-09

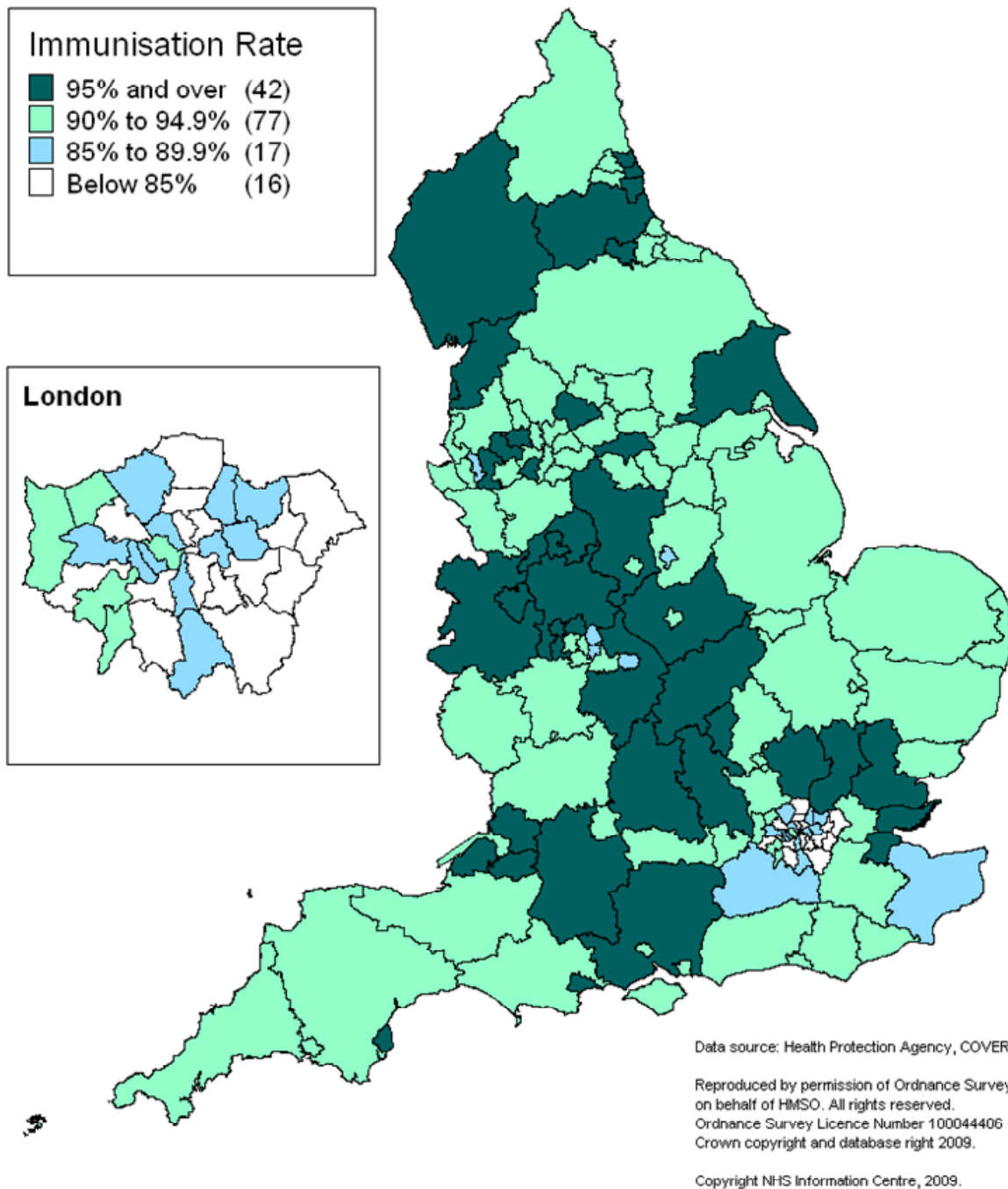
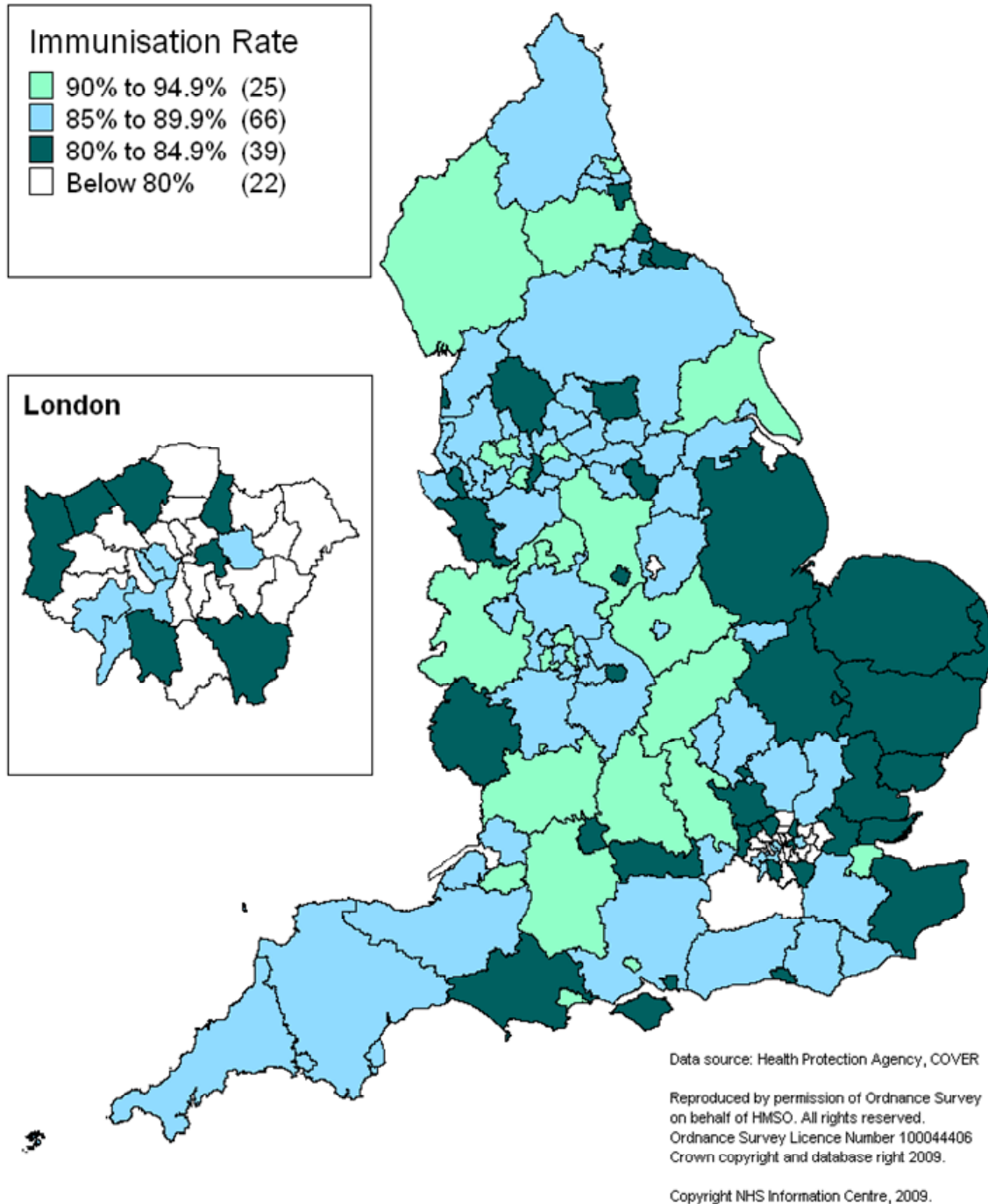


Figure 2: Percentage of children immunised against MMR at 24 months, by Primary Care Trust, 2008-09



# Introduction

The information in this bulletin, about immunisation statistics in England, comes from:

- 1) The Health Protection Agency (HPA) Centre for Infections (Cfi) for information on childhood immunisation uptake at ages 1, 2 and 5, collected through the Cover of Vaccination Evaluated Rapidly (COVER) data collection for PCTs.
- 2) The Information Centre (IC) for information about the BCG programme and reinforcing doses on the KC50 return from known providers of immunisation services.
- 3) The Department of Health (DH) for information regarding:
  - Persons aged 65 and over immunised against influenza for all PCTs (produced in conjunction with HPA).
  - HPV immunisation uptake for girls aged 12-13 collected through the ImmForm website for each PCT.

Current recommendations by the World Health Organisation (WHO) are that nationally at least 95% of children receive three primary doses of diphtheria, tetanus, polio and pertussis in the first year of life, and one dose of a measles, mumps and rubella vaccine by 2 years of age.

A revised immunisation schedule has been used from September 2008 which now includes the Human Papillomavirus (HPV) vaccinations for school age girls. **(Table A)**

Vaccine	Age	Notes
Diphtheria, tetanus, pertussis, polio and Hib (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
Meningitis C (MenC)	1st dose: 3 months 2nd dose: 4 months	primary course
Hib / MenC	around 12 months	Booster
Measles/mumps/rubella (MMR)	around 13 months	Primary course
Pneumococcal disease (PCV)	around 13 months	Booster
Diphtheria, tetanus, pertussis, and polio (dTaP/IPV or DTaP/IPV)	3yrs/4 mths to 5yrs	Booster: 3 yrs after completion of primary course
MMR second dose	3yrs/4 mths to 5yrs	
Tuberculosis (BCG)	at or soon after birth, to 'at-risk' infants only	
Cervical cancer (HPV)	Girls aged 12-13 yrs	primary course
Diphtheria, tetanus and polio (Td/IPV)	13 to 18yrs	Booster

Further details on the immunisation programme can be found at: <http://www.immunisation.nhs.uk/>

The BCG vaccination programme is targeted at those individuals who are at greatest risk. The programme identifies and vaccinates babies and older people who are most likely to catch the disease, especially those living in areas with a high rate of TB or whose parents or grandparents were born in a TB high prevalence country.

Full details of the at-risk groups can be found at: [http://www.dh.gov.uk/en/PublicHealth/HealthProtection/Immunisation/Greenbook/DH\\_4097254](http://www.dh.gov.uk/en/PublicHealth/HealthProtection/Immunisation/Greenbook/DH_4097254)

# Data Quality

## COVER Data

For the fourth consecutive year there have been continuing difficulties relating to data quality with Child Health Systems in London and to a lesser extent the rest of the country as a result of upgrades, malfunctions and replacement of existing IT services.

A specific problem which has become apparent is the inflation of denominator data leading to lower coverage reporting, particularly in the capital. Work is ongoing to rectify this problem.

The situation has improved from last year as only one London trust was unable to give a full year's data alongside one trust in the North West, but all trusts were able to report at least partial data (in 2007-08 6 London PCTs and 1 South West PCT were unable to return any data). Continuing data quality problems, however, have meant that – particularly in London – there is still doubt about the accuracy of data reported.

Although this non-submission of data due to problems with Child Health Systems has improved this year, there remain concerns with data quality as more PCTs are reporting issues with the return of accurate data as a result of system upgrades, replacements or malfunctions. In previous years this has mainly been restricted to the capital where there was a known issue with the CHIA system which is now being replaced by RiO. This year there were 13 instances of data quality concerns as a result of computer systems, 2 of which were outside London.

The problem becomes more pronounced when considering the quarterly data in which there are many more reports of Child Health systems causing data quality issues outside the capital. The continuation of this problem will be the focus of further observation in the coming year.

The PCT-specific data quality issues are likely to have marginal effect on national figures. Any assessment of vaccination levels over a yearly time-series, however, needs to take into account the incomplete picture in London for the previous three years.

## KC50 Data

Extensive work has been undertaken to verify data submitted on the KC50 form, particularly where comparisons to previous year's data demonstrates a significant year-on-year variation. Consultation with trusts revealed a variety of reasons for these fluctuations including; changes in internal procedures, increased immigrant population, initiation or completion of catch-up programmes and a change in the number of geographic locations covered.

A number of trusts commented that their data was an improvement on last year's. Others, however, noted that data quality was impeded by issues with the child health reporting systems.

The most significant specific issue highlighted regards the age bands requested on the KC50 form. Part A of the form requests the number of vaccinations given to children aged 13 to 18. Discussions with trusts and child health system suppliers revealed that current extracts from some of these systems can only deliver data on children aged 13 to 16. Furthermore, the age bands requested in Part B of the collection are not currently supplied by a number of child health systems.

A more comprehensive guide to the data quality issues surrounding the KC50 return is provided in Appendix A.

## Denominators

It should be noted that the COVER data uses responsible populations as the denominator, a definition of which can be found on the COVER request form. This measure is derived from, yet different to, resident population figures produced by the Office of National Statistics (ONS) for each PCT, and registered population figures which are obtained from GP Systems and reflected in the Connecting for Health (CfH) "Exeter" payment system.

		<i>Thousands</i>					
		12 Months		24 Months		5 Years	
SHA Code	SHA	ONS 2007	COVER 08/09	ONS 2007	COVER 08/09	ONS 2007	COVER 08/09
Q30	North East	28.9	30.0	28.0	29.3	26.0	27.0
Q31	North West	83.0	85.5	81.2	83.0	74.9	78.0
Q32	Yorkshire and Humber	61.3	64.9	60.2	63.1	55.8	59.5
Q33	East Midlands	50.1	50.3	48.9	48.3	46.2	46.2
Q34	West Midlands	66.2	69.8	65.8	67.6	60.8	63.7
Q35	East of England	66.8	70.7	66.3	69.1	62.9	67.5
Q36	London	111.3	124.5	105.2	116.8	89.4	105.6
Q37	South East Coast	49.0	48.6	48.2	48.0	46.6	49.9
Q38	South Central	48.6	52.5	47.6	50.6	44.3	48.6
Q39	South West	54.3	57.2	54.3	55.3	51.6	53.4
England		619.7	654.1	605.6	631.2	558.6	599.3

PCO Mid Year Population Estimates, 2001 Population Census Based. ONS Population Estimates

Table B shows a comparison of the COVER denominator figure to ONS population data to demonstrate the differences between resident population and responsible population. It is worth noting that due to these differences any attempt to produce statistics using COVER numerators and resident population as opposed to responsible population would result in entirely different coverage statistics. It is likely that similar differences would also be evident between COVER and GP registered population figures.

## Changes to this Report

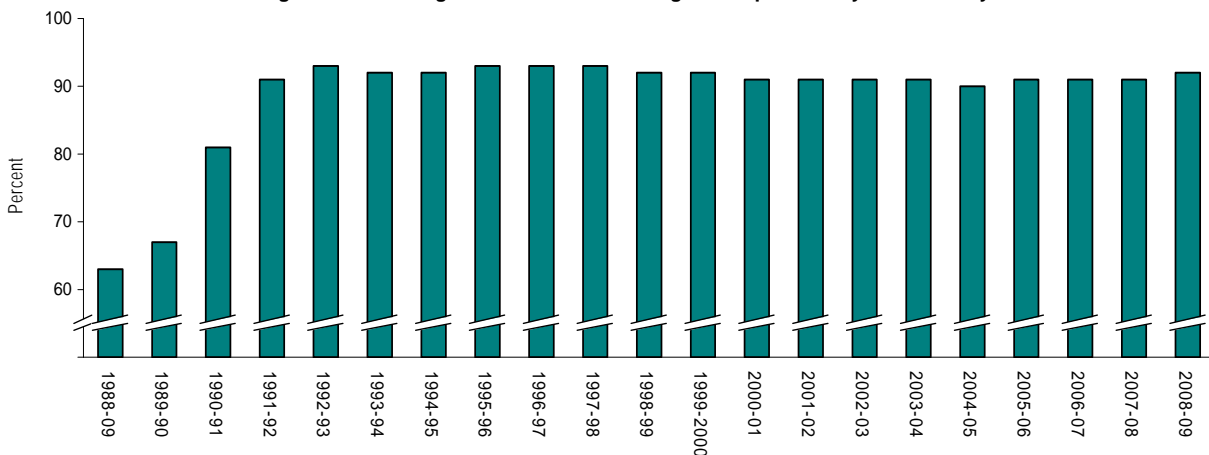
- Reporting of Pneumococcal conjugate vaccine (PCV) booster dose around 13 months of age. Last year the initial 2 doses of the vaccine were reported on for the first time. This year it has been possible to introduce figures for the booster vaccination at 2 years on an experimental basis. These figures have been validated as much as is possible with experimental data.
- Introduction of a combined Haemophilus Influenzae type B (Hib) and Meningococcal disease type C (MenC) vaccination at around 12 months of age. The programme began in September 2006 and is reported for the first time this year, described as experimental data. Validation has been carried out to the fullest extent possible with such data. This new programme has still been captured alongside the original stand-alone MenC vaccination for this year as the two schemes overlap.
- Introduction of the Human Papillomavirus (HPV) vaccination, which is also categorised as experimental data. This is administered to girls aged 12-13 (school year 8) as part of a largely schools-based immunisation programme. This programme began in September 2008 and as such this data represents only a partial year's figures.

# Analysis and Commentary

## Overview

92% of children reaching their first birthday in 2008-09 have received their first vaccination for Diphtheria, Polio, Pertussis and Hib (DTaP/IPV/Hib '5 in 1'). This continues a trend for Diphtheria vaccination uptake which has been stable almost since its initial introduction in 1991-92 (**Figure 3**). Notable is the increase in coverage in the South East Coast SHA area from 89% in 2007-08 to 92% this year.

Figure 3: Percentage children immunised against Diphtheria by first birthday

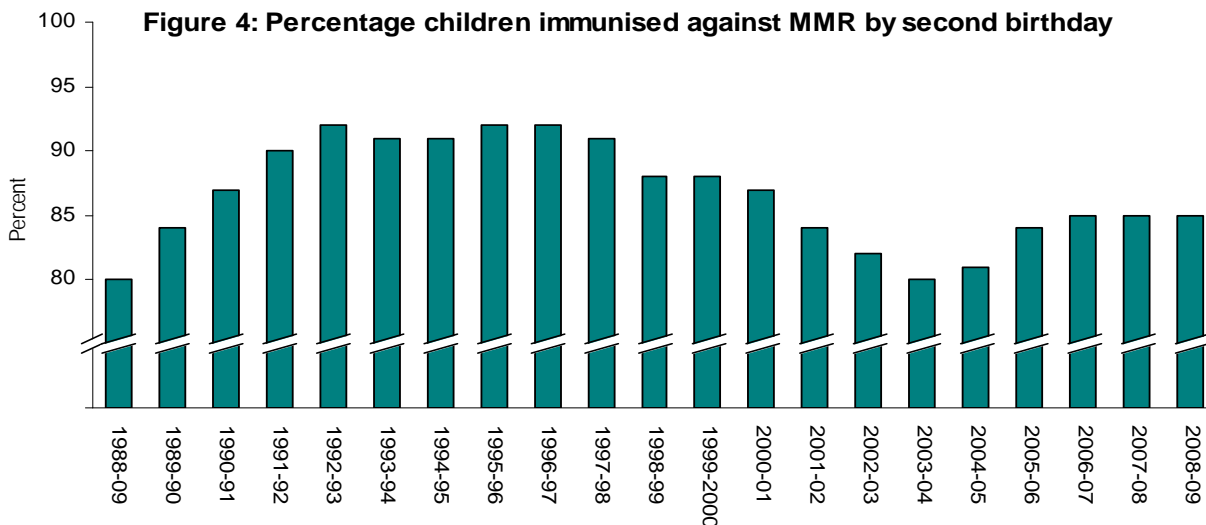


For children reaching their second birthday, uptake of the combined DTaP/IPV/Hib vaccine and meningitis C was between 92% and 94% and has remained stable for the last five years. Although London does show a fall from 84% last year to 80%, this is perhaps a result of improved reporting, since 6 PCTs were unable to submit data in 2007-8.

These are, however, mature programmes and changes from previous years are generally small.

After falling to 80% in 2003-04 uptake of the MMR vaccine for children reaching their second birthday increased steadily to 85% in 2006-07 and has remained at 85% through 2007-08 and into 2008-09. **Figure 4** shows the progression of uptake for the MMR vaccine over the past 20 years.

Figure 4: Percentage children immunised against MMR by second birthday

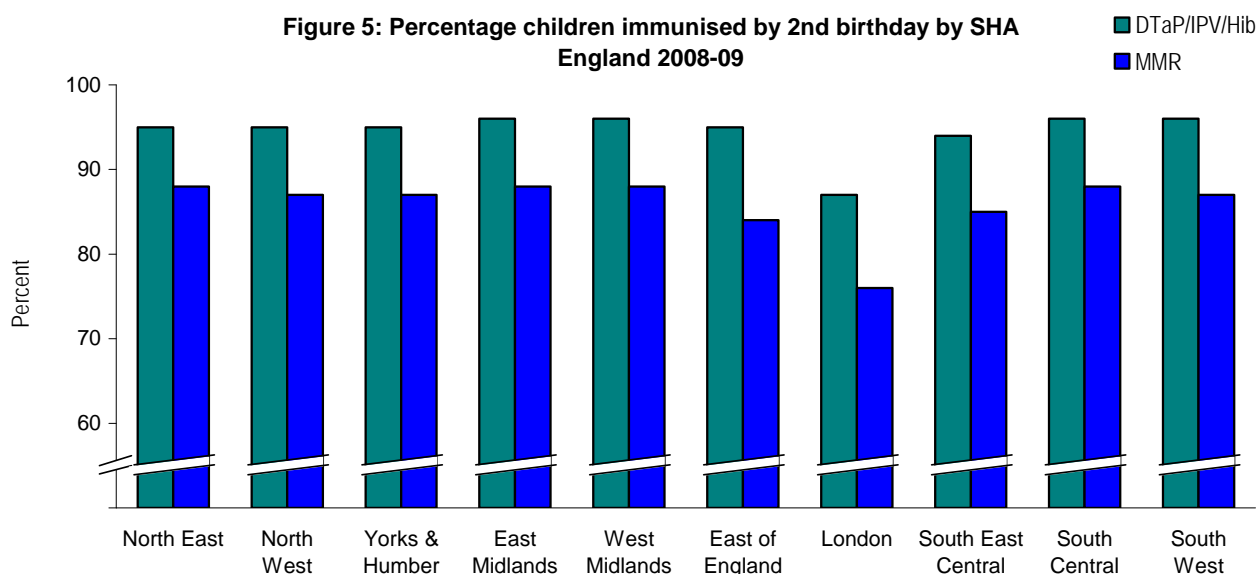


## Immunisation by first and second birthday (Tables 1, 2, 4, 9, 9a, 10 & 10a and Figures 1-5)

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

In 2008-09, 92% of children had completed primary immunisation courses against Diphtheria, Tetanus, Polio, Pertussis and Hib by their first birthday. At a local level (**Figure 1**), 120 PCTs reported coverage at 12 months of 90% or over, of which 42 were 95% and above. 32 PCTs reported coverage of less than 90%.

The previous cohort, 91% of whom had been immunised by age 1 in 2007-08, reached their 2nd birthday in 2008-09, by which time a further 3% were immunised, bringing the 2-year uptake to 94%.



At a regional level (**Figure 5**) all 10 SHAs, with the exception of London, reported uptake rates above 90%, of which 8 were 95% or above at 2 years of age.

- Measles, Mumps and Rubella (MMR)**

In 2008-09, 85% of children in England reaching the age of 2 had been immunised against Measles, Mumps and Rubella with the combined MMR vaccine, maintaining the same level for the third consecutive year.

At a regional level (**Figure 5**) all 10 SHAs reported MMR coverage of below 90%. London was the only SHA to record uptake of less than 80%. At a local level (**Figure 2**), 24 PCTs reported uptake of 90% or above, although none were greater than 95%. 128 PCTs reported uptake below 90%, of which 21 had uptake of less than 80%.

Data on the use of single vaccines is not collected. As a result the proportion of children fully or partially protected against measles and rubella may be slightly higher than that identified by COVER.

- **Meningitis C (MenC)**

In 2008-09, 91% of children had completed primary immunisation courses against MenC by their first birthday, rising by one percentage point on 2007-08 figures.

This rise shows a recovery to the level of coverage seen in 2006-07, after the one percentage point drop seen last year, suggesting that the problems with recording the new two dose schedule introduced in September 2006 have now been resolved.

By their second birthday 92% of children had been immunised. These figures are one percentage point lower than those for 2007-08, but overall the coverage for the vaccine has remained stable for at least the past 5 years.

## **Immunisation at age 5 (Tables 3, 11 & 11a)**

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

The reported uptake shows that for Diphtheria, Tetanus and Polio, 80% of children have received their primary course and their booster by age 5, improving by two percentage points from 78% in 2007-08.

- **Haemophilus Influenzae Type B (Hib)**

Coverage for Hib at 5 years of age has remained stable at 91% from the previous year after a slight dip from 93% in 2006-07.

- **Measles, Mumps and Rubella (MMR)**

Reported figures show that 78% of children have received their first and second dose of MMR vaccine by age 5, showing an increase of four percentage points on last years coverage.

The fact that coverage has increased so dramatically is encouraging, suggesting that MMR immunisation rates are improving, coinciding with the MMR catch-up campaign which has been operating since August 2008. The coverage rates in London, although lower than the national average, have shown significant improvement - increasing from 49% coverage for both doses of MMR in 2007-08 to 63% this year.

## **Reinforcing doses given to school leavers (Tables 12 & 12a)**

Over 413,400 children (aged 13-18) were reported as receiving reinforcing doses of Diphtheria, Tetanus and Polio in 2008-09. This figure is likely to be under-reported due to the problems with age bands on this return as previously noted (see section on Data Quality).

## **BCG (Tables 5, 6, 12 & 12a)**

The substantial decline in the number of skin tests and BCG vaccinations since 2004-05 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.

There were 239,241 BCG vaccinations in 2008-09 an increase of 10% on the previous year (217,294) given to those in specified at-risk categories. Although babies, under the age of one, account for nearly two thirds of the BCG vaccinations, most of this increase came from vaccination of those aged over one, which rose to over 90,000.

While this increase may be due, in part, to increased familiarity with the new BCG policy, it may also be due to better recording and reporting of BCG immunisation.

## **Provider level KC50 data (Table 12a)**

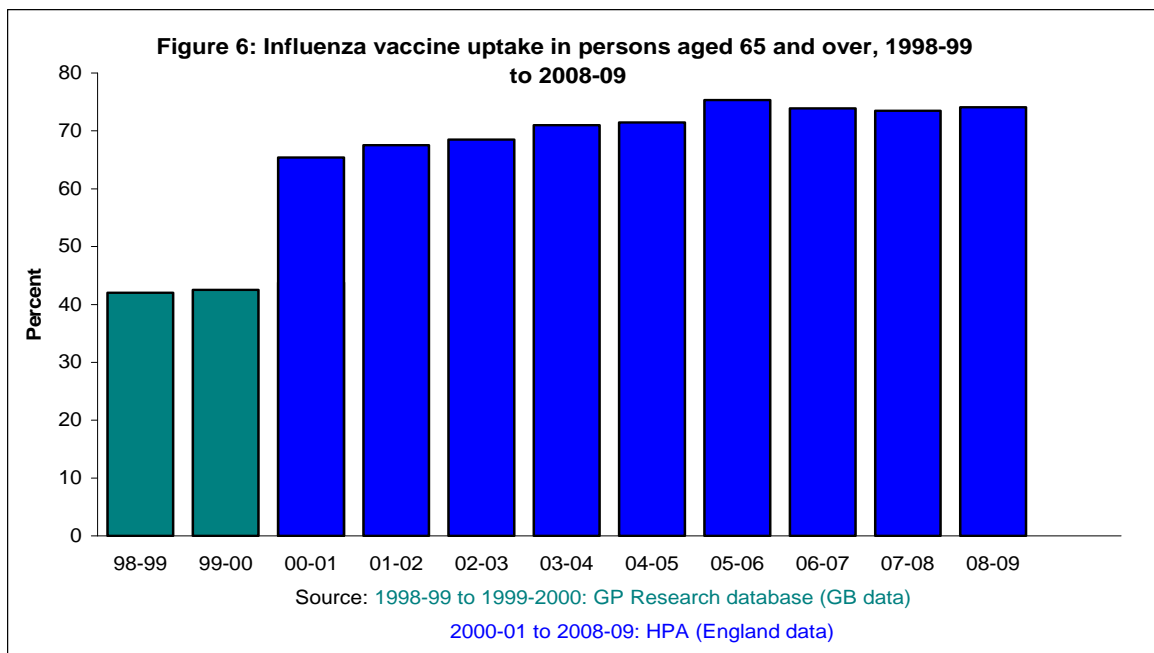
Information by provider about BCG vaccinations and school leavers' reinforcing doses is shown in Table 12a. Although all trusts are listed in the table, immunisation services are provided by approximately half of them.

## **Human Papillomavirus HPV (Table 13)**

Provisional data is reported for girls of 12-13 years of age (school year 8) who were offered the HPV vaccination since September 2008. The figures show that 87% of girls received the first dose and 70% completed the 3 dose course. It is thought that the third dose figures may increase slightly by end of the year. As this is currently experimental data, and represents only a partial year, the data itself cannot be commented on further at this time but will be examined more closely next year.

## **Influenza vaccine (Tables 14 & 14a and Figure 6)**

The targeted risk groups for vaccination against influenza are persons aged 65 and over and persons in clinical high risk groups – which include those with chronic heart disease, lung disease (including asthma), renal disease or diabetes, and those with immuno-suppression.



A new campaign to immunise persons aged 65 and over against influenza was introduced in 2000-01. Uptake for this age group in England was 74% in 2008-09, remaining the same for the third consecutive year. **(Figure 6)**

## UK data (Table C)

Region/country	% coverage at 12 months		% coverage at 24 months		
	DTaP/IPV/Hib	MenC	DTaP/IPV/Hib	MMR	MenC
North East	95	94	95	88	97
North West	94	93	95	87	94
Yorkshire and The Humber	94	93	95	87	95
East Midlands	94	94	96	88	96
West Midlands	94	94	96	88	95
East of England	94	93	95	84	95
London	83	82	87	76	80
South East Coast	92	91	94	85	91
South Central	95	94	96	88	95
South West	95	94	96	87	95
England	92	91	94	85	92
Wales	96	95	97	88	95
Scotland	97	97	98	92	96
Northern Ireland	97	97	98	91	96
United Kingdom	93	92	94	86	92

The COVER system also receives data from equivalent bodies in Wales, Scotland and Northern Ireland. Tables of COVER statistics on uptake in the whole of the UK are published quarterly by Cfl in the Health Protection Report:

[http://www.hpa.org.uk/infections/topics\\_az/cover/default.htm](http://www.hpa.org.uk/infections/topics_az/cover/default.htm)).

Table C is an annual version for 2008-09 of these tables and shows that England has considerably lower coverage for all antigens than the other UK countries. This is primarily because coverage is lower in London than in any other region.

## Definitions

COVER data relates to children for whom the PCT is responsible (See COVER request form for definitions).

Where a primary course consists of more than one dose of vaccine, administered at set intervals, immunised means having had the full course of vaccinations.

A copy of the KC50 and guidance notes is at the end of this bulletin together with the COVER data request form.

## Editorial Notes

Any enquiries about the data contained in this Bulletin or requests for further information should be addressed to:

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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 publications can also be accessed via this link.

Media enquiries should be made to the media relations manager.

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Further information on immunisation, including uptake rates of Hepatitis B, can be found on the Health Protection Agency's website:

<http://www.hpa.org.uk/webw/HPAweb&Page&HPAwebAutoListName/Page/1204031507699>

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Table 1: Completed primary courses: percentage of children immunised by their first birthday, 1997-98 to 2008-09

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	.	93	93	92	91	92	.
1998-99	.	92	92	92	91	92	.	.
1999-2000	.	92	92	92	91	92	.	.
2000-01	.	91	91	91	90	91	.	.
2001-02	.	91	91	91	90	90	89	.
2002-03	.	91	91	91	90	91	90	.
2003-04	.	91	91	91	91	91	90	.
2004-05	.	90	90	90	90	90	90	.
2005-06 <sup>(1)</sup>	.	91	91	91	91	91	91	.
2006-07 <sup>(2)</sup>	91	.	.	.	.	.	91	.
2007-08 <sup>(3)</sup>	91	.	.	.	.	.	90	84
2008-09	92	.	.	.	.	.	91	91

Table 2: Completed primary courses: percentage of children immunised by their second birthday, 1997-98 to 2008-09

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 Experimental	Pneumococcal Disease (PCV) Experimental
	1997-98	.	96	96	96	94	95	91	.	.
1998-99	.	95	95	95	94	95	88	.	.	.
1999-2000	.	95	95	95	94	94	88	.	.	.
2000-01	.	94	95	94	94	94	87	.	.	.
2001-02	.	94	94	94	93	93	84	85	.	.
2002-03	.	94	94	93	93	93	82	92	.	.
2003-04	.	94	94	94	93	93	80	93	.	.
2004-05	.	94	94	93	93	93	81	93	.	.
2005-06 <sup>(1)</sup>	.	94	94	94	94	94	84	93	.	.
2006-07 <sup>(2)</sup>	93	.	.	.	.	.	85	93	.	.
2007-08 <sup>(3)</sup>	94	.	.	.	.	.	85	93	.	.
2008-09	94	.	.	.	.	.	85	92	85	81

Table 3: Completed primary courses: percentage of children immunised by their fifth birthday, 1999-2000 to 2008-09

England		percentages					
Year of 5th birthday	Diphtheria, Tetanus, Polio		Diphtheria Tetanus Polio Pertussis	Pertussis	Hib	MMR	
	Primary	Primary and booster	Booster	Primary	Primary	First dose	First and second dose
1999-2000	94	82	.	93	93	93	76
2000-01	94	80	.	92	93	92	75
2001-02	94	81	.	93	93	91	74
2002-03	94	80	.	93	93	90	75
2003-04	94	80	.	93	93	90	75
2004-05	93	79	.	93	93	89	73
2005-06 <sup>(1)</sup>	94	80	.	93	93	87	74
2006-07 <sup>(2)</sup>	93	.	79	93	93	86	73
2007-08 <sup>(3)</sup>	93	.	78	.	91	87	74
2008-09 <sup>(4)</sup>	93	.	80	.	91	89	78

<sup>(1)</sup> In 2005-06 9 PCTs were unable to submit data due to problems relating to the implementation of a new child health system<sup>(2)</sup> In 2006-07 7 PCTs were unable to provide reliable annual data due to ongoing problems relating to the implementation of a new child health system.<sup>(3)</sup> In 2007-08 6 PCTs did not provide any data, with a further 7 had some missing data for 5 year cohort due to ongoing problems relating to the implementation of a new child health system. 1 PCT was unable to provide data due to a major problem with the child health computer system<sup>(4)</sup> In 2008-09 2 Trusts in London were not able to provide Hib figures for the 5-year cohort

Source: COVER

Table 4: Completed primary courses: percentage of children immunised by their second birthday, by Strategic Health Authority, 2001-02 to 2008-09

Year of 2nd birthday	percentages										
	England	North East	North West	Yorkshire and the Humber	East Midlands	West Midlands	East of England	London <sup>(2)(3)(4)</sup>	South East Coast	South Central	South West <sup>(4)</sup>
<b>Diphtheria, Tetanus and Polio<sup>(1)</sup></b>											
2001-02	94	95	95	94	96	95	94	89	94	93	96
2002-03	94	95	95	94	96	94	95	88	95	92	96
2003-04	94	95	95	94	96	95	95	88	94	94	96
2004-05	94	95	95	93	96	95	95	87	94	95	95
2005-06 <sup>(2)</sup>	94	95	95	94	96	95	95	88	94	94	96
<b>Pertussis (whooping cough)</b>											
2001-02	93	94	94	93	96	94	94	88	94	93	95
2002-03	93	94	94	94	96	94	95	88	95	91	95
2003-04	93	95	94	94	96	94	94	88	94	94	95
2004-05	93	95	94	93	96	95	94	87	94	94	94
2005-06 <sup>(2)</sup>	94	95	95	93	96	95	94	88	93	94	95
<b>Diphtheria, Tetanus, Polio, Pertussis (whooping cough) and Hib</b>											
2006-07 <sup>(3)</sup>	93	96	95	93	95	95	95	86	91	95	96
2007-08 <sup>(4)</sup>	94	96	96	94	95	96	95	85	93	95	96
2008-09	94	95	95	95	96	96	95	87	94	96	96
<b>MMR</b>											
2001-02	84	87	86	86	88	86	85	75	83	84	86
2002-03	82	85	84	84	87	84	83	72	82	81	83
2003-04	80	83	83	84	85	82	80	70	77	82	81
2004-05	81	85	84	83	86	83	81	71	80	83	80
2005-06 <sup>(2)</sup>	84	87	86	86	88	85	84	73	83	86	86
2006-07 <sup>(3)</sup>	85	89	88	87	88	88	86	75	84	88	*87
2007-08 <sup>(4)</sup>	85	88	87	85	89	88	84	74	83	86	88
2008-09	85	88	87	87	88	88	84	76	85	88	87

<sup>(1)</sup> 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.

<sup>(2)</sup> 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

<sup>(3)</sup> 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.

<sup>(4)</sup> 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.

\* In South West for 2007/08 1 PCT reported that previous years' data was incorrect. This has been revised.

Source: COVER

Table 5: Tuberculin Mantoux tests and BCG vaccinations by age, 2008-09

England		
thousands		
Age (in years)	Number of Mantoux tests	Total Vaccinations
All Ages <sup>(1)</sup>	13.1	239.2
Under 1	.	148.9
1-5	.	33.7
6-15	8.5	29.5
16 or over	3.0	24.5

Source : Form KC50

Table 6: Tuberculin skin tests by result and BCG vaccinations, 1996-97 to 2008-09

England							
thousands							
	Number of skin tests				% of skin tests found negative	Number of mantoux tests	Number of vaccinations
	Total	Found positive	Found negative				
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	

<sup>(1)</sup> 'All Ages' does not equal sum of separate parts due to some PCTs not providing the age breakdown

Table 7: Completed primary courses: percentage of children immunised by their first birthday against Diphtheria, 1988-89 to 2008-09

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	93
1998-99	92
1999-2000	92
2000-01	91
2001-02	91
2002-03	91
2003-04	91
2004-05	90
2005-06	91
2006-07 <sup>(3)</sup>	91
2007-08 <sup>(3)</sup>	91
2008-09 <sup>(3)</sup>	92

Table 8: Completed primary courses: percentage of children immunised by their second birthday against Measles Mumps and Rubella (MMR), 1988-89 to 2008-09

England	percentages
Year of 2nd birthday	Measles Mumps Rubella (MMR)
1988-89 <sup>(1)</sup>	80
1989-90 <sup>(1)</sup>	84
1990-91	87
1991-92	90
1992-93	92
1993-94	91
1994-95	91
1995-96	92
1996-97	92
1997-98	91
1998-99	88
1999-2000	88
2000-01	87
2001-02	84
2002-03	82
2003-04	80
2004-05	81
2005-06 <sup>(2)</sup>	84
2006-07 <sup>(4)</sup>	85
2007-08 <sup>(5)</sup>	85
2008-09	85

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

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

<sup>(3)</sup> Figures from 2006-07 to present are for the DTaP/IPV/Hib '5-in1' vaccine which includes Diphtheria, Tetanus, Polio, Pertussis and Hib

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

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

Source: COVER

Table 9: Percentage of children immunised by their 1st birthday, by Strategic Health Authority 2008-09

		Percentage immunised by their 1st birthday			
		Number of children aged 1 (thousands) (=100%)	Diphtheria Tetanus Polio Pertussis Hib (DTaP/IPV/Hib)	MenC	Pneumococcal Disease (PCV)
England		654.2	92	91	91
Q30	North East	30.0	95	94	94
Q31	North West	85.7	94	93	93
Q32	Yorkshire and the Humber	64.9	94	93	93
Q33	East Midlands	50.3	94	94	94
Q34	West Midlands	69.8	94	94	94
Q35	East of England	70.7	94	93	93
Q36	London	124.5	83	82	82
Q37	South East Coast	48.6	92	91	91
Q38	South Central	52.5	95	94	94
Q39	South West	57.2	95	94	94

Source: COVER

Table 9a: Percentage of children immunised by their 1st birthday, by Primary Care Trust 2008-09

		Percentage immunised by their 1st birthday			
		Number of children aged 1 (thousands) (=100%)	Diphtheria Tetanus Polio Pertussis Hib (DTaP/IPV/Hib)	MenC	Pneumococcal Disease (PCV)
England		654.2	92	91	91
Q30	North East	30.0	95	94	94
	5ND County Durham PCT	5.8	97	96	96
	5J9 Darlington PCT	1.3	96	96	96
	5KF Gateshead PCT	2.2	94	93	93
	5D9 Hartlepool PCT	1.1	93	93	92
	5KM Middlesbrough PCT	2.0	90	89	89
	5D7 Newcastle PCT	3.2	93	91	91
	5D8 North Tyneside PCT	2.4	98	98	98
	TAC Northumberland Care Trust PCT	3.2	95	94	95
	5QR Redcar & Cleveland PCT	1.5	93	92	91
	5KG South Tyneside PCT	1.7	97	96	96
	5KL Sunderland Teaching PCT	3.3	96	95	95
	5E1 Stockton - on - Tees PCT	2.3	95	95	95
Q31	North West	85.7	94	93	93
	5HG Ashton, Leigh & Wigan PCT	3.8	95	95	96
	5CC Blackburn with Darwen PCT	2.4	93	93	93
	5HP Blackpool PCT	1.6	96	95	95
	5HQ Bolton PCT	3.8	95	95	95
	5JX Bury PCT	2.5	93	92	92
	5NP Central & Eastern Cheshire PCT	5.1	95	93	93
	5NG Central Lancashire PCT	5.4	94	94	94
	5NE Cumbria PCT	5.1	97	97	97
	5NH East Lancashire PCT	4.9	93	91	89
	5NM Halton & St Helens PCT	3.7	96	95	95
	5NQ Heywood, Middleton & Rochdale PCT	3.1	93	93	93
	5J4 Knowsley PCT	1.9	89	88	89
	5NL Liverpool PCT	5.5	93	93	93
	5NT Manchester PCT	7.3	90	89	89
	5NF North Lancashire PCT	3.2	95	95	95
	5J5 Oldham PCT <sup>(4)</sup>	3.4	94	94	94
	5F5 Salford PCT	3.2	91	90	90
	5NJ Sefton PCT	2.7	94	93	92
	5F7 Stockport PCT	3.4	94	94	93
	5LH Tameside & Glossop PCT	3.1	94	94	94
	5NR Trafford PCT	3.0	96	95	95
	5J2 Warrington PCT <sup>(2)(4)</sup>	1.3	95	95	95
	5NN Western Cheshire PCT	2.6	94	94	94
	5NK Wirral PCT	3.7	93	93	93
Q32	Yorkshire & the Humber	64.9	94	93	93
	5JE Barnsley PCT	2.8	97	96	97
	5NY Bradford & Airedale PCT	8.5	95	92	92
	5J6 Calderdale PCT	2.6	95	95	95
	5N5 Doncaster PCT	3.7	93	92	93
	5NW East Riding of Yorkshire PCT	3.1	97	96	96
	5NX Hull PCT	3.7	93	93	93
	5N2 Kirklees PCT	5.6	94	94	94
	5N1 Leeds PCT <sup>(1)</sup>	9.4	93	92	92
	TAN North East Lincolnshire PCT	2.0	94	93	94
	5EF North Lincolnshire PCT	1.9	94	94	94
	5NV North Yorkshire & York PCT	7.9	93	92	91
	5H8 Rotherham PCT	3.1	94	93	94
	5N4 Sheffield PCT	6.7	93	92	90
	5N3 Wakefield District PCT	4.2	95	94	94
Q33	East Midlands	50.3	94	94	94
	5ET Bassettlaw PCT	1.2	94	93	93
	5N7 Derby City PCT	3.9	93	92	92
	5N6 Derbyshire County PCT	7.7	97	96	96
	5PC Leicester City PCT	5.1	93	92	94
	5PA Leicestershire County & Rutland PCT	7.1	97	96	97
	5N9 Lincolnshire PCT <sup>(1)</sup>	5.0	94	93	93
	5PD Northamptonshire PCT	8.5	97	96	97
	5EM Nottingham City PCT	4.2	87	86	85
	Nottinghamshire County PCT	7.6	93	93	92
Q34	West Midlands	69.8	94	94	94
	5PG Birmingham East & North PCT	6.2	90	89	90
	5MD Coventry Teaching PCT	4.7	88	87	88
	5PE Dudley PCT	3.4	96	96	96
	5MX Heart of Birmingham Teaching PCT	5.4	93	93	93
	5CN Herefordshire PCT	1.8	92	92	92
	5PH North Staffordshire PCT	2.0	98	97	97
	5PF Sandwell PCT	4.6	95	95	95
	5M2 Shropshire County PCT	2.9	97	97	97
	TAM Solihull Care Trust	2.4	94	94	94
	5M1 South Birmingham PCT	4.5	91	91	91
	5PK South Staffordshire PCT	6.8	96	96	96
	5PJ Stoke on Trent PCT	3.9	96	96	95
	5MK Telford & Wrekin PCT	2.2	97	96	97
	5M3 Walsall Teaching PCT	3.2	97	97	97
	5PM Warwickshire PCT	6.0	95	95	95
	5MV Wolverhampton City PCT	3.2	95	94	98
	5PL Worcestershire PCT	6.4	95	94	94

Table 9a: Percentage of children immunised by their 1st birthday, by Primary Care Trust 2008-09

		Percentage immunised by their 1st birthday			
		Number of children aged 1 (thousands) (=100%)	Diphtheria Tetanus Polio Pertussis Hib (DTaP/IPV/Hib)	MenC	Pneumococcal Disease (PCV)
England		654.2	92	91	91
Q35	East of England	70.7	94	93	93
	5P2 Bedfordshire PCT	5.3	94	94	92
	5PP Cambridgeshire PCT	7.1	93	92	92
	5P3 East & North Hertfordshire PCT	7.1	96	95	95
	5PR Great Yarmouth & Waveney PCT	2.4	93	92	92
	5GC Luton PCT	3.5	90	90	89
	5PX Mid Essex PCT	4.0	96	95	95
	5PQ Norfolk PCT	7.6	94	93	93
	5PW North East Essex PCT	3.5	93	93	92
	5PN Peterborough PCT	2.7	94	92	92
	5P1 South East Essex PCT	3.8	95	95	94
	5PY South West Essex PCT	5.6	94	93	93
	5PT Suffolk PCT	6.7	95	94	95
	5PV West Essex PCT	3.6	96	95	95
	5P4 West Hertfordshire PCT	7.7	94	93	94
Q36	London	124.5	83	82	82
	5C2 Barking & Dagenham PCT <sup>(2)</sup>	3.3	74	74	74
	5A9 Barnet PCT	5.3	89	85	85
	TAK Bexley Care Trust <sup>(2)</sup>	2.8	83	83	81
	5K5 Brent Teaching PCT <sup>(1)</sup>	5.5	65	67	65
	5A7 Bromley PCT	4.2	76	74	75
	5K7 Camden PCT <sup>(2)</sup>	2.5	86	84	85
	5C3 City & Hackney Teaching PCT <sup>(2)</sup>	4.4	76	75	75
	5K9 Croydon PCT	5.4	90	89	88
	5HX Ealing PCT	5.9	89	84	86
	5C1 Enfield PCT	4.7	78	76	77
	5A8 Greenwich Teaching PCT	4.6	79	77	78
	5H1 Hammersmith & Fulham PCT	2.6	85	82	83
	5C9 Haringey Teaching PCT <sup>(2)</sup>	4.2	66	63	66
	5K6 Harrow PCT	2.5	95	92	90
	5A4 Havering PCT <sup>(2)</sup>	3.0	83	83	84
	5AT Hillingdon PCT <sup>(2)</sup>	3.9	91	86	88
	5HY Hounslow PCT <sup>(2)</sup>	4.7	80	79	80
	5K8 Islington PCT <sup>(2)</sup>	2.8	85	84	84
	5LA Kensington & Chelsea PCT	2.1	88	86	85
	5A5 Kingston PCT <sup>(2)(4)</sup>	1.5	91	90	90
	5LD Lambeth PCT	4.8	86	85	84
	5LF Lewisham PCT	4.7	83	80	81
	5C5 Newham PCT <sup>(1)</sup>	5.5	89	87	87
	5NA Redbridge PCT <sup>(2)</sup>	4.2	89	87	87
	5M6 Richmond & Twickenham PCT	2.9	95	92	94
	5LE Southwark PCT	4.8	81	78	80
	5M7 Sutton & Merton PCT	6.2	81	83	80
	5C4 Tower Hamlets PCT	4.1	89	90	89
	5NC Waltham Forest PCT	4.2	88	85	86
	5LG Wandsworth PCT	4.9	85	86	86
	5LC Westminster PCT	2.4	92	87	88
Q37	South East Coast	48.6	92	91	91
	5LQ Brighton & Hove City PCT	3.3	91	90	90
	5P7 East Sussex Downs & Weald PCT	3.3	94	93	93
	5QA Eastern & Coastal Kent PCT	8.3	89	89	89
	5P8 Hastings & Rother PCT	1.8	93	93	92
	5L3 Medway PCT	3.1	96	96	96
	5P5 Surrey PCT <sup>(3)</sup>	11.5	90	90	89
	5P9 West Kent PCT	8.4	91	90	91
	5P6 West Sussex PCT	8.9	95	94	94
Q38	South Central	52.5	95	94	94
	5QG Berkshire East PCT	5.9	95	95	94
	5QF Berkshire West PCT	6.6	90	90	89
	5QD Buckinghamshire PCT	6.2	98	97	97
	5QC Hampshire PCT	14.8	95	95	95
	5QT Isle of Wight Healthcare PCT	1.3	91	91	91
	5CQ Milton Keynes PCT	3.8	95	94	94
	5QE Oxfordshire PCT	8.1	97	94	96
	5FE Portsmouth City Teaching PCT	2.6	94	94	94
	5L1 Southampton City PCT	3.3	95	93	93
Q39	South West	57.2	95	94	94
	5FL Bath & North East Somerset PCT	1.7	98	98	97
	5QN Bournemouth & Poole PCT	3.9	96	97	98
	5QJ Bristol PCT	6.0	94	93	93
	5QP Cornwall & Isles of Scilly PCT	5.4	94	94	94
	5QQ Devon PCT	7.1	95	94	94
	5QM Dorset PCT <sup>(1)</sup>	3.6	92	93	93
	5QH Gloucestershire PCT	5.9	95	94	94
	5M8 North Somerset PCT	2.3	96	96	96
	5F1 Plymouth Teaching PCT	3.3	93	93	94
	5QL Somerset PCT	5.5	93	93	93
	5A3 South Gloucestershire PCT	3.1	97	96	97
	5K3 Swindon PCT <sup>(2)</sup>	2.9	91	90	90
	TAL Torbay Care Trust	1.5	96	95	96
	5QK Wiltshire PCT	4.9	98	97	97

<sup>(1)</sup> 5 PCTs experienced data quality issues and thus may not present an accurate reflection of actual uptake.<sup>(2)</sup> 13 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, leading to a lack of confidence in data reported.<sup>(3)</sup> 1 PCT submitted partial datasets due to the unavailability of data from certain regions.<sup>(4)</sup> 3 PCTs submitted data based upon quarter data due to problems with the reporting of an annual figure.

Trusts' data: where there has been missing data, or large movements year on year, these have been queried with the trusts and data withdrawn, estimated or published in agreement with them.

Table 10: Percentage of children immunised by their 2nd birthday, by Strategic Health Authority 2008-09

		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	Pneumococcal Conjugate Vaccine (PCV)
			Experimental			Experimental	
England		631.3	94	85	92	85	81
Q30	North East	29.3	95	88	97	91	87
Q31	North West	83.1	95	87	94	88	84
Q32	Yorkshire and the Humber	63.1	95	87	95	89	85
Q33	East Midlands	48.3	96	88	96	88	86
Q34	West Midlands	67.6	96	88	95	90	86
Q35	East of England	69.1	95	84	95	89	82
Q36	London	116.8	87	76	80	70	67
Q37	South East Coast	48.0	94	85	91	86	83
Q38	South Central	50.6	96	88	95	90	86
Q39	South West	55.3	96	87	95	89	85

The Hib/MenC and Pneumococcal conjugate vaccine (PCV) data has been published for the first time and therefore labelled as experimental.

Source: COVER

Table 10a: Percentage of children immunised by their 2nd birthday, by Primary Care Trust 2008-09

		Percentage immunised by their 2nd birthday					
		Number of children aged 2 (thousands) (=100%)	Diphtheria Tetanus Polio Pertussis Hib	MMR	MenC	Hib/MenC	Pneumococcal Conjugate Vaccine (PCV) Experimental
			(DTaP/IPV/Hib)			Experimental	
England		631.3	94	85	92	85	81
Q30	North East	29.3	95	88	97	91	87
	5ND County Durham PCT	5.7	91	91	97	92	90
	5J9 Darlington PCT	1.2	97	90	97	92	88
	5KF Gateshead PCT	2.3	96	90	94	91	90
	5D9 Hartlepool PCT	1.1	96	81	94	87	83
	5KM Middlesbrough PCT	1.9	94	82	95	86	76
	5D7 Newcastle PCT	3.0	93	86	95	88	86
	5D8 North Tyneside PCT	2.3	99	95	98	95	92
	TAC Northumberland Care Trust PCT	3.1	96	88	99	90	86
	5QR Redcar & Cleveland PCT	1.5	96	85	98	91	79
	5KG South Tyneside PCT	1.6	98	89	96	93	90
	5KL Sunderland Teaching PCT	3.2	97	85	98	92	85
	5E1 Stockton - on - Tees PCT	2.4	96	88	95	87	88
Q31	North West	83.1	95	87	94	88	84
	5HG Ashton, Leigh & Wigan PCT	3.6	97	91	96	93	91
	5CC Blackburn with Darwen PCT	2.4	97	89	92	89	85
	5HP Blackpool PCT	1.6	98	85	96	91	84
	5HQ Bolton PCT	3.7	97	92	95	97	91
	5JX Bury PCT	2.4	96	89	93	90	87
	5NP Central & Eastern Cheshire PCT	5.0	94	86	91	79	84
	5NG Central Lancashire PCT	5.3	92	89	96	89	86
	5NE Cumbria PCT	5.0	98	91	97	95	92
	5NH East Lancashire PCT	4.6	94	83	92	83	76
	5NM Halton & St Helens PCT	3.6	97	90	95	92	84
	5NQ Heywood, Middleton & Rochdale PCT	2.8	96	87	95	88	85
	5J4 Knowsley PCT	1.9	95	87	89	78	76
	5NL Liverpool PCT	5.3	95	84	93	88	81
	5NT Manchester PCT	7.1	93	82	91	83	77
	5NF North Lancashire PCT	3.2	97	89	96	92	87
	5J5 Oldham PCT <sup>(4)</sup>	3.2	96	90	94	90	86
	5F5 Salford PCT	3.1	95	88	92	88	87
	5NJ Sefton PCT	2.6	96	86	94	87	77
	5F7 Stockport PCT	3.4	95	88	94	89	88
	5LH Tameside & Glossop PCT	2.9	96	88	95	90	85
	5NR Trafford PCT	2.8	97	90	96	92	90
	5J2 Warrington PCT <sup>(2)(4)</sup>	1.1	96	87	95	86	77
	5NN Western Cheshire PCT	2.8	89	81	86	81	78
	5NK Wirral PCT	3.7	95	87	95	84	79
Q32	Yorkshire & the Humber	63.1	95	87	95	89	85
	5JE Barnsley PCT	2.7	98	88	99	95	89
	5NY Bradford & Airedale PCT	8.3	95	90	91	90	85
	5J6 Calderdale PCT	2.5	97	87	97	90	87
	5N5 Doncaster PCT	3.6	95	85	93	87	82
	5NW East Riding of Yorkshire PCT	3.0	98	91	98	94	87
	5NX Hull PCT	3.5	95	90	96	89	85
	5N2 Kirklees PCT	5.4	97	88	97	90	88
	5N1 Leeds PCT <sup>(1)</sup>	9.1	94	81	96	86	81
	TAN North East Lincolnshire PCT	2.0	96	89	98	90	85
	5EF North Lincolnshire PCT	1.8	96	87	98	92	87
	5NV North Yorkshire & York PCT	8.0	94	88	93	86	86
	5H8 Rotherham PCT	2.9	95	84	97	89	84
	5N4 Sheffield PCT	6.4	95	86	96	87	86
	5N3 Wakefield District PCT	3.9	95	86	98	89	82
Q33	East Midlands	48.3	96	88	96	88	86
	5ET Bassetlaw PCT	1.1	96	86	96	87	83
	5N7 Derby City PCT	3.6	94	81	96	87	80
	5N6 Derbyshire County PCT	7.4	98	91	98	95	91
	5PC Leicester City PCT	4.8	95	90	94	85	83
	5PA Leicestershire County & Rutland PCT	7.1	98	92	97	91	89
	5N9 Lincolnshire PCT <sup>(1)</sup>	4.8	93	85	92	85	84
	5PD Northamptonshire PCT	8.2	98	92	97	92	89
	5EM Nottingham City PCT	3.9	92	77	93	75	73
	5N8 Nottinghamshire County PCT	7.4	97	86	98	87	85
Q34	West Midlands	67.6	96	88	95	90	86
	5PG Birmingham East & North PCT	6.0	92	88	91	85	83
	5MD Coventry Teaching PCT	4.7	92	81	91	84	77
	5PE Dudley PCT	3.3	97	91	96	91	89
	5MX Heart of Birmingham Teaching PCT	5.2	96	94	94	90	89
	5CN Herefordshire PCT	1.8	95	84	94	88	84
	5PH North Staffordshire PCT	2.0	99	94	97	97	94
	5PF Sandwell PCT	4.3	97	87	95	88	84
	5M2 Shropshire County PCT	2.9	98	92	97	94	88
	TAM Solihull Care Trust	2.4	97	86	93	91	87
	5M1 South Birmingham PCT	4.4	95	85	93	87	82
	5PK South Staffordshire PCT	6.6	98	88	97	93	88
	5PJ Stoke on Trent PCT	3.4	98	92	94	95	92
	5MK Telford & Wrekin PCT	2.1	98	89	96	89	84
	5M3 Walsall Teaching PCT	3.1	98	93	98	88	89
	5PM Warwickshire PCT	5.9	97	88	96	91	87
	5MV Wolverhampton City PCT	3.3	96	89	94	89	81
	5PL Worcestershire PCT	6.4	97	88	95	91	90

Table 10a: Percentage of children immunised by their 2nd birthday, by Primary Care Trust 2008-09

		Percentage immunised by their 2nd birthday					
		Number of children aged 2 (thousands) (=100%)	Diphtheria Tetanus Polio Pertussis Hib	MMR	MenC	Hib/MenC Experimental	Pneumococcal Conjugate Vaccine (PCV) Experimental
			(DTaP/IPV/Hib)				
England		631.3	94	85	92	85	81
Q35	East of England	69.1	95	84	95	89	82
	5P2 Bedfordshire PCT	5.2	95	85	93	81	72
	5PP Cambridgeshire PCT	6.9	94	82	95	89	78
	5P3 East & North Hertfordshire PCT	7.1	96	85	96	92	84
	5PR Great Yarmouth & Waveney PCT	2.4	94	81	96	89	80
	5GC Luton PCT	3.2	96	84	95	79	77
	5PX Mid Essex PCT	3.8	97	84	97	92	86
	5PQ Norfolk PCT	7.6	96	85	95	90	85
	5PW North East Essex PCT	3.4	94	83	96	89	84
	5PN Peterborough PCT	2.6	97	88	95	89	83
	5P1 South East Essex PCT	3.9	95	84	96	93	86
	5PY South West Essex PCT	5.4	95	82	96	90	84
	5PT Suffolk PCT	6.7	95	85	96	90	84
	5PV West Essex PCT	3.4	96	85	97	90	85
	5P4 West Hertfordshire PCT	7.5	93	83	95	91	84
Q36	London	116.8	87	76	80	70	67
	5C2 Barking & Dagenham PCT <sup>(2)</sup>	3.2	84	73	82	74	69
	5A9 Barnet PCT	5.0	96	80	80	74	69
	TAK Bexley Care Trust <sup>(2)</sup>	2.8	88	71	64	33	58
	5K5 Brent Teaching PCT <sup>(1)</sup>	5.3	70	56	68	46	42
	5A7 Bromley PCT	4.0	93	82	71	82	75
	5K7 Camden PCT <sup>(2)</sup>	2.3	88	72	82	68	65
	5C3 City & Hackney Teaching PCT <sup>(2)</sup>	4.3	81	70	81	57	55
	5K9 Croydon PCT	5.0	93	79	89	78	65
	5HX Ealing PCT	5.6	90	76	83	71	74
	5C1 Enfield PCT	4.4	84	74	56	68	64
	5A8 Greenwich Teaching PCT	4.4	82	68	64	64	57
	5H1 Hammersmith & Fulham PCT	2.6	88	70	78	60	46
	5C9 Haringey Teaching PCT <sup>(2)</sup>	3.9	64	56	66	53	60
	5K6 Harrow PCT	2.3	95	85	92	87	83
	5A4 Havering PCT <sup>(2)</sup>	3.0	90	77	88	81	77
	5AT Hillingdon PCT <sup>(2)</sup>	3.7	93	81	87	83	76
	5HY Hounslow PCT <sup>(2)</sup>	4.2	80	67	74	64	60
	5K8 Islington PCT <sup>(2)</sup>	2.5	89	74	87	70	67
	5LA Kensington & Chelsea PCT	1.8	95	86	93	81	81
	5A5 Kingston PCT <sup>(2)(4)</sup>	1.3	92	86	94	70	84
	5LD Lambeth PCT	4.4	89	74	86	73	63
	5LF Lewisham PCT	4.5	84	74	78	67	56
	5C5 Newham PCT <sup>(1)</sup>	5.2	88	88	86	83	86
	5NA Redbridge PCT <sup>(2)</sup>	4.0	90	79	87	78	66
	5M6 Richmond & Twickenham PCT	2.7	94	86	87	82	74
	5LE Southwark PCT	4.4	84	75	81	65	61
	5M7 Sutton & Merton PCT	5.9	79	84	72	68	71
	5C4 Tower Hamlets PCT	3.8	92	82	87	78	87
	5NC Waltham Forest PCT	3.9	91	84	85	79	75
	5LG Wandsworth PCT	4.1	89	86	89	77	84
	5LC Westminster PCT	2.3	93	88	86	79	61
Q37	South East Coast	48.0	94	85	91	86	83
	5LQ Brighton & Hove City PCT	3.1	92	82	90	85	81
	5P7 East Sussex Downs & Weald PCT	3.4	96	88	95	89	84
	5QA Eastern & Coastal Kent PCT	8.2	95	85	89	86	81
	5P8 Hastings & Rother PCT	1.8	95	86	94	90	85
	5L3 Medway PCT	3.1	98	94	92	93	93
	5P5 Surrey PCT <sup>(3)</sup>	11.3	91	77	89	78	74
	5P9 West Kent PCT	8.2	96	86	90	85	85
	5P6 West Sussex PCT	9.0	95	89	95	93	89
Q38	South Central	50.6	96	88	95	90	86
	5QG Berkshire East PCT	5.6	96	86	94	89	85
	5QF Berkshire West PCT	6.1	93	84	91	83	78
	5QD Buckinghamshire PCT	6.0	98	91	97	93	93
	5QC Hampshire PCT	14.7	97	89	95	91	88
	5QT Isle of Wight Healthcare PCT	1.3	93	84	92	84	78
	5CQ Milton Keynes PCT	3.7	97	87	94	90	86
	5QE Oxfordshire PCT	7.7	97	91	95	92	85
	5FE Portsmouth City Teaching PCT	2.5	95	83	94	88	81
	5L1 Southampton City PCT	3.0	96	90	94	90	88
Q39	South West	55.3	96	87	95	89	85
	5FL Bath & North East Somerset PCT	1.8	98	92	98	95	91
	5QN Bournemouth & Poole PCT	3.7	92	91	96	91	90
	5QJ Bristol PCT	5.5	95	80	94	84	76
	5QP Cornwall & Isles of Scilly PCT	5.3	96	88	93	89	87
	5QQ Devon PCT	7.2	96	87	94	90	87
	5QM Dorset PCT <sup>(1)</sup>	3.5	95	85	95	85	79
	5QH Gloucestershire PCT	5.8	95	92	96	90	88
	5M8 North Somerset PCT	2.3	97	86	97	91	82
	5F1 Plymouth Teaching PCT	3.1	96	87	95	91	87
	5QL Somerset PCT	5.4	96	87	94	89	88
	5A3 South Gloucestershire PCT	2.9	97	88	97	91	86
	5K3 Swindon PCT <sup>(2)</sup>	2.7	92	80	91	84	75
	TAL Torbay Care Trust	1.4	98	89	96	93	89
	5QK Wiltshire PCT	4.8	98	93	98	94	90

The Hib/MenC and Pneumococcal conjugate vaccine (PCV) data has been published for the first time and therefore labelled as experimental.

<sup>(1)</sup> 5 PCTs experienced data quality issues and thus may not present an accurate reflection of actual uptake

<sup>(2)</sup> 13 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, leading to a lack of confidence in data reported.

<sup>(3)</sup> 1 PCT submitted partial datasets due to the unavailability of data from certain regions

<sup>(4)</sup> 3 PCTs submitted data based upon quarter data due to problems with the reporting of an annual figure

Trusts' data: where there has been missing data, or large movements year on year, these have been queried with the trusts and data withdrawn, estimated or published in agreement with them.

Source: COVER

Table 11: Percentage of children immunised by their 5th birthday, by Strategic Health Authority 2008-09

		Percentage immunised by their 5th birthday					
		Diphtheria Tetanus, Polio	Hib	Diphtheria Tetanus, Polio, Pertussis	MMR		
		Primary	Primary	Booster	first dose	first and second dose	
Number of children aged 5 (thousands) (=100%)							
England		598.8	93	91	80	89	78
Q30	North East	27.0	96	96	88	93	85
Q31	North West	77.5	95	94	85	93	83
Q32	Yorkshire and the Humber	59.5	95	94	83	92	82
Q33	East Midlands	46.2	95	95	87	92	84
Q34	West Midlands	63.7	96	94	87	91	82
Q35	East of England	67.5	94	93	82	87	78
Q36	London <sup>(1)</sup>	105.6	83	77	58	81	63
Q37	South East Coast	49.9	92	92	82	87	76
Q38	South Central	48.6	93	93	84	90	79
Q39	South West	53.4	96	95	87	92	83

<sup>(1)</sup> In 2008-09 2 Trusts in London were not able to provide Hib figures for the 5-year cohort

Source: COVER

Table 11a: Percentage of children immunised by their 5th birthday, by Primary Care Trust 2008-09

		Number of children aged 5 (thousands) (=100%)	Percentage immunised by their 5th birthday					
			Diphtheria Tetanus, Polio		Hib	Diphtheria Tetanus, Polio, Pertussis		MMR
			Primary	Primary	Booster	first dose	first and second dose	
England		598.8	93	91	80	89	78	
Q30	North East	27.0	96	96	88	93	85	
	5ND County Durham PCT	5.3	97	97	91	94	88	
	5J9 Darlington PCT	1.2	98	98	93	95	90	
	5KF Gateshead PCT	2.0	94	94	83	93	77	
	5D9 Hartlepool PCT	1.0	95	95	84	93	82	
	5KM Middlesbrough PCT	1.8	93	92	86	89	83	
	5D7 Newcastle PCT	2.6	93	93	84	91	83	
	5D8 North Tyneside PCT	1.6	98	98	92	97	87	
	TAC Northumberland Care Trust PCT	3.3	98	97	88	93	85	
	5QR Redcar & Cleveland PCT	1.4	94	94	90	89	86	
	5KG South Tyneside PCT	1.6	98	98	91	95	87	
	5KL Sunderland Teaching PCT	2.8	98	97	86	91	83	
	5E1 Stockton - on - Tees PCT	2.1	96	96	89	96	87	
Q31	North West	77.5	95	94	85	93	83	
	5HG Ashton, Leigh & Wigan PCT	3.5	97	96	86	93	84	
	5CC Blackburn with Darwen PCT	2.2	96	96	87	95	86	
	5HP Blackpool PCT	1.5	97	97	91	92	88	
	5HQ Bolton PCT	3.6	98	97	89	95	86	
	5JX Bury PCT	2.3	96	96	88	93	84	
	5NP Central & Eastern Cheshire PCT	4.9	94	90	85	91	86	
	5NG Central Lancashire PCT	5.1	96	94	87	93	85	
	5NE Cumbria PCT	5.1	98	97	92	94	89	
	5NH East Lancashire PCT	4.4	96	96	80	94	78	
	5NM Halton & St Helens PCT	3.5	97	97	89	93	85	
	5NQ Heywood, Middleton & Rochdale PCT	2.6	97	96	89	95	84	
	5J4 Knowsley PCT	1.9	94	85	81	90	78	
	5NL Liverpool PCT	5.0	94	94	74	92	71	
	5NT Manchester PCT	5.8	91	88	77	90	75	
	5NF North Lancashire PCT	3.0	97	97	89	94	87	
	5J5 Oldham PCT <sup>(5)</sup>	2.4	97	94	86	95	83	
	5F5 Salford PCT	2.6	94	93	82	93	80	
	5NU Sefton PCT	2.6	95	95	81	92	75	
	5F7 Stockport PCT	3.1	96	96	85	95	84	
	5LH Tameside & Glossop PCT	2.7	96	95	89	95	87	
	5NR Trafford PCT	2.8	93	94	85	91	86	
	5J2 Warrington PCT <sup>(2)(4)</sup>	1.2	92	92	80	87	75	
	5NN Western Cheshire PCT	2.5	92	89	87	85	84	
	5NK Wirral PCT	3.5	96	96	88	93	84	
Q32	Yorkshire & the Humber	59.5	95	94	83	92	82	
	5JE Barnsley PCT	2.4	99	98	94	96	92	
	5NY Bradford & Airedale PCT	7.7	95	94	87	94	86	
	5J6 Calderdale PCT	2.5	96	95	81	92	79	
	5N5 Doncaster PCT	3.4	94	93	80	92	77	
	5NW East Riding of Yorkshire PCT	3.1	96	96	88	92	85	
	5NX Hull PCT	3.2	95	94	82	92	81	
	5N2 Kirklees PCT	5.1	97	96	87	93	86	
	5N1 Leeds PCT <sup>(1)</sup>	8.3	91	91	76	87	75	
	TAN North East Lincolnshire PCT	1.8	98	97	88	89	85	
	5EF North Lincolnshire PCT	1.8	96	96	83	93	79	
	5NV North Yorkshire & York PCT	7.6	93	93	83	91	84	
	5H8 Rotherham PCT	2.7	96	95	80	92	79	
	5N4 Sheffield PCT	6.1	95	94	82	92	81	
	5N3 Wakefield District PCT	3.9	96	95	86	93	84	
Q33	East Midlands	46.2	95	95	87	92	84	
	5ET Bassetlaw PCT	1.1	95	94	81	92	79	
	5N7 Derby City PCT	3.4	95	94	83	92	81	
	5N6 Derbyshire County PCT	7.1	98	99	91	94	87	
	5PC Leicester City PCT	4.4	97	96	87	94	84	
	5PA Leicestershire County & Rutland PCT	7.1	98	98	92	95	89	
	5N9 Lincolnshire PCT <sup>(1)</sup>	4.8	88	86	78	90	82	
	5PD Northamptonshire PCT	7.7	94	94	88	88	83	
	5EM Nottingham City PCT	3.4	91	90	79	86	76	
	5N8 Nottinghamshire County PCT	7.0	97	97	88	92	85	
Q34	West Midlands	63.7	96	94	87	91	82	
	5PG Birmingham East & North PCT	5.3	95	94	82	92	78	
	5MD Coventry Teaching PCT	4.3	92	90	78	87	74	
	5PE Dudley PCT	3.2	97	96	90	92	85	
	5MX Heart of Birmingham Teaching PCT	4.6	95	94	90	95	89	
	5CN Herefordshire PCT	1.8	95	95	85	89	79	
	5PH North Staffordshire PCT	2.0	98	96	95	94	91	
	5PF Sandwell PCT	3.8	95	93	85	91	81	
	5M2 Shropshire County PCT	3.0	97	96	89	92	83	
	TAM Solihull Care Trust	2.4	96	95	89	88	85	
	5M1 South Birmingham PCT	3.9	95	94	79	91	76	
	5PK South Staffordshire PCT	6.4	97	97	91	92	85	
	5PJ Stoke on Trent PCT	3.2	98	92	91	95	88	
	5MK Telford & Wrekin PCT	2.0	97	96	88	93	84	
	5M3 Walsall Teaching PCT	2.7	98	98	95	94	91	
	5PM Warwickshire PCT	5.6	97	95	89	91	84	
	5MV Wolverhampton City PCT	3.1	94	94	83	90	81	
	5PL Worcestershire PCT	6.4	94	93	85	89	78	

Table 11a: Percentage of children immunised by their 5th birthday, by Primary Care Trust 2008-09

		Number of children aged 5 (thousands) (=100%)	Percentage immunised by their 5th birthday					
			Diphtheria Tetanus, Polio		Hib	Diphtheria Tetanus, Polio, Pertussis		MMR
			Primary	Primary	Booster	first dose	first and second dose	
England		598.8	93	91	80	89	78	
Q35	East of England	67.5	94	93	82	87	78	
	5P2 Bedfordshire PCT	5.2	93	92	78	87	74	
	5PP Cambridgeshire PCT	6.8	92	92	82	85	80	
	5P3 East & North Hertfordshire PCT	7.1	94	93	87	87	81	
	5PR Great Yarmouth & Waveney PCT	2.5	94	94	80	90	78	
	5GC Luton PCT	3.0	85	84	62	84	59	
	5PX Mid Essex PCT	3.9	95	95	89	87	83	
	5PQ Norfolk PCT	7.3	95	94	83	91	79	
	5PW North East Essex PCT	3.3	92	91	81	85	76	
	5PN Peterborough PCT	2.2	95	93	85	92	83	
	5P1 South East Essex PCT	3.8	94	94	83	87	79	
	5PY South West Essex PCT	5.3	94	93	82	86	77	
	5PT Suffolk PCT	6.7	94	94	83	88	80	
	5PV West Essex PCT	3.3	95	95	84	88	80	
	5P4 West Hertfordshire PCT	7.1	94	94	84	85	78	
Q36	London	105.6	83	77	58	81	63	
	5C2 Barking & Dagenham PCT <sup>(2)(5)</sup>	3.0	68	0	33	73	55	
	5A9 Barnet PCT	4.8	87	87	76	84	82	
	TAK Bexley Care Trust <sup>(2)</sup>	2.7	86	86	68	78	58	
	5K5 Brent Teaching PCT <sup>(1)</sup>	5.7	62	58	25	60	32	
	5A7 Bromley PCT	3.9	89	88	74	82	71	
	5K7 Camden PCT <sup>(2)</sup>	2.0	89	89	54	81	51	
	5C3 City & Hackney Teaching PCT <sup>(2)</sup>	3.9	76	77	23	67	37	
	5K9 Croydon PCT	4.7	91	91	75	87	71	
	5HX Ealing PCT	4.9	88	82	65	85	63	
	5C1 Enfield PCT	4.1	71	71	50	78	62	
	5A8 Greenwich Teaching PCT	3.8	81	81	60	75	57	
	5H1 Hammersmith & Fulham PCT	2.4	89	89	54	81	51	
	5C9 Haringey Teaching PCT <sup>(2)</sup>	3.4	83	84	35	71	38	
	5K6 Harrow PCT	2.2	97	96	81	93	79	
	5A4 Havering PCT <sup>(2)(5)</sup>	2.9	80	0	21	82	68	
	5AT Hillingdon PCT <sup>(2)</sup>	3.6	89	88	75	83	70	
	5HY Hounslow PCT <sup>(2)</sup>	3.4	63	62	53	80	53	
	5K8 Islington PCT <sup>(2)</sup>	2.1	91	91	46	83	50	
	5LA Kensington & Chelsea PCT	1.4	86	84	61	79	63	
	5A5 Kingston PCT <sup>(2)(4)</sup>	1.3	88	91	76	85	77	
	5LD Lambeth PCT	3.8	88	88	64	83	63	
	5LF Lewisham PCT	3.7	85	85	51	79	51	
	5C5 Newham PCT <sup>(1)</sup>	4.4	89	61	70	89	80	
	5NA Redbridge PCT <sup>(2)</sup>	3.9	86	88	68	79	66	
	5M6 Richmond & Twickenham PCT	2.4	91	92	74	96	82	
	5LE Southwark PCT	3.8	81	81	55	77	55	
	5M7 Sutton & Merton PCT	5.2	80	80	69	86	79	
	5C4 Tower Hamlets PCT	3.4	91	89	67	90	79	
	5NC Waltham Forest PCT	3.4	89	88	66	86	72	
	5LG Wandsworth PCT	3.5	71	78	59	82	71	
	5LC Westminster PCT	2.0	84	84	73	94	81	
Q37	South East Coast	49.9	92	92	82	87	76	
	5LQ Brighton & Hove City PCT	2.8	89	89	73	85	69	
	5P7 East Sussex Downs & Weald PCT	3.5	95	94	87	91	82	
	5QA Eastern & Coastal Kent PCT	7.9	94	95	87	90	82	
	5P8 Hastings & Rother PCT	1.6	93	92	81	91	78	
	5L3 Medway PCT	3.1	94	95	93	91	87	
	5P5 Surrey PCT <sup>(3)</sup>	13.8	88	87	69	80	64	
	5P9 West Kent PCT	8.2	94	95	88	89	81	
	5P6 West Sussex PCT	9.0	94	93	87	90	82	
Q38	South Central	48.6	93	93	84	90	79	
	5QG Berkshire East PCT	5.2	93	91	75	89	71	
	5QF Berkshire West PCT	5.9	86	86	77	83	70	
	5QD Buckinghamshire PCT	5.8	97	97	88	92	83	
	5QC Hampshire PCT	14.8	94	93	87	90	83	
	5QT Isle of Wight Healthcare PCT	1.3	95	93	82	89	77	
	5CQ Milton Keynes PCT	3.6	94	92	82	90	77	
	5QE Oxfordshire PCT	7.4	96	95	89	94	84	
	5FE Portsmouth City Teaching PCT	2.1	94	94	81	91	78	
	5L1 Southampton City PCT	2.6	92	90	86	91	83	
Q39	South West	53.4	96	95	87	92	83	
	5FL Bath & North East Somerset PCT	1.6	98	97	94	91	86	
	5QN Bournemouth & Poole PCT	3.3	99	93	90	96	87	
	5QJ Bristol PCT	4.9	93	94	77	88	72	
	5QP Cornwall & Isles of Scilly PCT	5.2	96	95	88	93	85	
	5QQ Devon PCT	7.3	96	95	88	90	82	
	5QM Dorset PCT <sup>(1)</sup>	3.6	98	96	86	92	81	
	5QH Gloucestershire PCT	5.4	94	95	89	91	85	
	5M8 North Somerset PCT	2.2	96	97	85	92	79	
	5F1 Plymouth Teaching PCT	2.6	98	96	90	95	87	
	5QL Somerset PCT	5.6	95	95	86	91	81	
	5A3 South Gloucestershire PCT	2.9	97	97	90	92	85	
	5K3 Swindon PCT <sup>(2)</sup>	2.6	95	95	86	91	81	
	TAL Torbay Care Trust	1.4	96	95	85	92	83	
	5QK Wiltshire PCT	4.7	98	98	93	94	87	

<sup>(1)</sup> 5 PCTs experienced data quality issues and thus may not present an accurate reflection of actual uptake.

<sup>(2)</sup> 13 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, leading to a lack of confidence in data reported.

<sup>(3)</sup> 1 PCT submitted partial datasets due to the unavailability of data from certain regions.

<sup>(4)</sup> 3 PCTs submitted data based upon quarter data due to problems with the reporting of an annual figure.

<sup>(5)</sup> 2 PCTs in London were not able to provide Hib figures for the 5-year cohort

Trusts' data: where there has been missing data, or large movements year on year, these have been queried with the trusts and data withdrawn, estimated or published in agreement with them.

Table 12: Number of children receiving BCG vaccinations and reinforcing diphtheria, tetanus and polio doses given to school leavers, by Strategic Health Authority 2008-09

England		BCG vaccinations			Td/IPV <sup>(1)</sup>
		all ages	age under 1	aged 1 and over	age 13-18 <sup>(1)</sup>
<b>England</b>		<b>239.2</b>	<b>148.9</b>	<b>90.3</b>	<b>413.5</b>
Q30	North East	2.6	2.1	0.5	18.6
Q31	North West	18.2	14.0	4.1	61.4
Q32	Yorkshire and the Humber	11.8	11.1	0.7	50.0
Q33	East Midlands	6.8	5.8	1.0	53.4
Q34	West Midlands	13.7	12.2	1.4	37.7
Q35	East of England	40.4	10.0	30.4	36.9
Q36	London	114.1	69.5	44.6	46.4
Q37	South East Coast	12.8	8.0	4.8	38.1
Q38	South Central	15.4	13.3	2.1	35.0
Q39	South West	3.6	2.9	0.6	36.1

For more information on the data quality issues surrounding the 2008-09 KC50 return please see Appendix A following the tables at the back of the publication

Source: Form KC50

Table 12a: Number of children receiving BCG vaccinations and reinforcing doses given to school leavers by provider 2008-09

		BCG vaccinations			TdIPV <sup>(1)</sup>
		all ages	age under 1	Aged 1 and over	age 13-18 <sup>(1)</sup>
<b>England</b>		<b>239,241</b>	<b>148,948</b>	<b>90,293</b>	<b>413,476</b>
Q30	North East	2,568	2,062	506	18,553
	5D7 Newcastle PCT	666	616	50	1,652
	5D8 North Tyneside PCT	435	106	329	1,684
	5D9 Hartlepool PCT	77	77	0	791
	5E1 North Tees PCT	312	227	85	1,080
	5J9 Darlington PCT	46	46	0	829
	5KF Gateshead PCT	110	97	13	2,248
	5KG South Tyneside PCT	146	132	14	1,146
	5KL Sunderland Teaching PCT	222	222	0	129
	5KM Middlesbrough PCT	343	343	0	1,140
	5ND County Durham PCT	105	92	13	3,890
	5QR Redcar & Cleveland PCT	35	35	0	1,118
	RE9 South Tyneside NHS Foundation Trust	-	-	-	-
	RLN City Hospitals Sunderland NHS Foundation Trust	-	-	-	-
	RR7 Gateshead Health NHS Trust	-	-	-	-
	RTD The Newcastle Upon Tyne Hospitals NHS Trust	-	-	-	-
	RTF Northumbria Health Care NHS Trust	-	-	-	-
	RTR South Tees Hospitals NHS Trust	-	-	-	-
	RVW North Tees and Hartlepool NHS Trust	-	-	-	-
	RX3 Tees, Esk and Wear Valleys NHS Trust	-	-	-	-
	RX4 Northumberland, Tyne and Wear NHS Trust	-	-	-	-
	RX6 North East Ambulance Service NHS Trust	-	-	-	-
	RXP County Durham and Darlington Acute Hospitals NHS Trust	-	-	-	-
	TAC Northumberland Care Trust	71	69	2	2,846
Q31	North West	18,183	14,043	4,140	61,396
	5CC Blackburn with Darwen PCT	1,084	1,056	28	1,874
	5F5 Salford PCT	382	262	120	2,407
	5F7 Stockport PCT	325	166	159	1,954
	5HG Ashton, Leigh and Wigan PCT	369	236	133	2,884
	5HP Blackpool PCT	178	54	124	1,224
	5HQ Bolton PCT	1,502	1,124	378	2,584
	5J2 Warrington PCT	137	109	28	3,128
	5J4 Knowsley PCT	66	58	8	1,100
	5J5 Oldham PCT	1,225	1,088	137	2,766
	5JX Bury PCT	411	292	119	1,927
	5LH Tameside and Glossop PCT	459	324	135	2,815
	5NE Cumbria PCT	123	72	51	4,375
	5NF North Lancashire PCT	260	116	144	2,784
	5NG Central Lancashire PCT	657	591	66	3,197
	5NH East Lancashire PCT	1,143	1,104	39	3,180
	5NJ Sefton PCT	0	0	0	2,675
	5NK Wirral PCT	-	-	-	-
	5NL Liverpool PCT	855	855	0	3,443
	5NM Halton & St Helens PCT	141	76	65	2,563
	5NN West Cheshire PCT	196	157	39	1,953
	5NP Central & Eastern Cheshire PCT	653	337	316	3,675
	5NQ Heywood, Middleton & Rochdale PCT	911	892	19	2,004
	5NR Trafford PCT	-	-	-	-
	5NT Manchester PCT	6,157	4,318	1,839	3,266
	RBL The Wirral Hospital NHS Trust	-	-	-	-
	RBN St Helens and Knowsley Hospitals NHS Trust	-	-	-	-
	RBO The Cardiothoracic Centre - Liverpool NHS Trust	-	-	-	-
	RBS Royal Liverpool Childrens Hospital NHS Trust	-	-	-	-
	RBT The Mid Cheshire Hospital NHS Trust	-	-	-	-
	RBV Christie Hospital NHS Trust	-	-	-	-
	REM Aintree Hospitals NHS Trust	-	-	-	-
	REN Clatterbridge Centre for Oncology NHS Trust	-	-	-	-
	REP Liverpool Women's NHS Foundation Trust	756	756	0	0
	RET Walton Centre for Neurology and Neurosurgery NHS Trust	-	-	-	-
	RJN East Cheshire NHS Trust	-	-	-	-
	RJR Countess of Chester Hospital NHS Foundation Trust	-	-	-	-
	RJX Calderstones NHS Trust	-	-	-	-
	RM2 South Manchester University Hospitals NHS Trust	-	-	-	-
	RM3 Salford Royal Hospitals NHS Trust	-	-	-	-
	RM4 Trafford Healthcare NHS Trust	193	0	193	3,618
	RMC Bolton Hospitals NHS Trust	-	-	-	-
	RMP Tameside and Glossop Acute Services NHS Trust	-	-	-	-
	RNL North Cumbria Acute Hospitals NHS Trust	-	-	-	-
	RNN North Cumbria Mental Health and Learning Disabilities NHS Trust	-	-	-	-
	ROC Royal Liverpool and Broadgreen University Hospitals NHS Trust	-	-	-	-
	ROF Warrington, Wigan & Leigh NHS Trust	-	-	-	-
	RT2 Pennine Care NHS Trust	-	-	-	-
	RTV 5 Boroughs Partnership NHS Trust	-	-	-	-
	RTX Morecambe Bay Hospitals NHS Trust	-	-	-	-
	RVY Southport and Ormskirk Hospital NHS Trust	-	-	-	-
	RW3 Central Manchester and Manchester Children's University Hospitals NHS Trust	-	-	-	-
	RW4 Mersey Care NHS Trust	-	-	-	-
	RW5 Lancashire Care NHS Trust	-	-	-	-
	RW6 Pennine Acute Hospitals NHS Trust	-	-	-	-
	RWJ Stockport NHS Trust	-	-	-	-
	RWW North Cheshire Hospitals NHS Trust	-	-	-	-
	RX7 North West Ambulance Service NHS Trust	-	-	-	-
	RXA Cheshire and Wirral Partnership NHS Trust	-	-	-	-
	RXL Blackpool, Fylde and Wyre Hospitals NHS Trust	-	-	-	-
	RXN Lancashire Teaching Hospitals NHS Foundation Trust	-	-	-	-
	RXR East Lancashire Hospitals NHS Trust	-	-	-	-
	RXV Bolton, Salford and Trafford Mental Health NHS Trust	-	-	-	-
	TAE Manchester Mental Health and Social Care Trust	-	-	-	-

Table 12a: Number of children receiving BCG vaccinations and reinforcing doses given to school leavers by provider 2008-09

		BCG vaccinations			TdIPV <sup>(1)</sup>
		all ages	age under 1	Aged 1 and over	age 13-18 <sup>(1)</sup>
<b>England</b>		<b>239,241</b>	<b>148,948</b>	<b>90,293</b>	<b>413,476</b>
Q32	Yorkshire and The Humber	11,798	11,119	679	50,043
	TAN North East Lincolnshire PCT	78	60	18	1,727
	5EF North Lincolnshire PCT	97	97	0	2,107
	5H8 Rotherham PCT	364	364	0	2,007
	5J6 Calderdale PCT	426	401	25	1,915
	5JE Barnsley PCT	63	59	4	1,749
	5N1 Leeds PCT	2,122	2,048	74	5,485
	5N2 Kirkstoes PCT	1,767	1,448	319	4,964
	5N3 Wakefield District PCT	279	279	0	1,890
	5N4 Sheffield PCT	1,692	1,692	0	4,937
	5N5 Doncaster PCT	245	173	72	3,856
	5NV North Yorkshire & York PCT	0	0	0	7,495
	5NW East Riding of Yorkshire PCT	80	80	0	3,607
	5NX Hull Teaching PCT	297	297	0	3,377
	5NY Bradford & Airedale Teaching PCT	4,288	4,121	167	4,927
	RAE Bradford Teaching Hospitals NHS Foundation Trust	-	-	-	-
	RCB York Hospitals NHS Trust	-	-	-	-
	RCC Scarborough and North East Yorkshire Health Care NHS Trust	-	-	-	-
	RCD Harrogate and District NHS Foundation Trust	-	-	-	-
	RCF Airedale NHS Trust	-	-	-	-
	RCU Sheffield Children's Hospital NHS Trust	-	-	-	-
	RFF Barnsley Hospital NHS Foundation Trust	-	-	-	-
	RFR The Rotherham NHS Foundation Trust	-	-	-	-
	RGD Leeds Mental Health Teaching NHS Trust	-	-	-	-
	RHQ Sheffield Teaching Hospitals NHS Foundation Trust	-	-	-	-
	RJL Northern Lincolnshire & Goole Hospitals NHS Trust	-	-	-	-
	RPS Doncaster and Bassetlaw Hospitals NHS Trust	-	-	-	-
	RR8 Leeds Teaching Hospitals NHS Trust	-	-	-	-
	RV9 Humber Mental Health Teaching NHS Trust	-	-	-	-
	RWA Hull and East Yorkshire Hospitals NHS Trust	-	-	-	-
	RWY Calderdale and Huddersfield NHS Trust	-	-	-	-
	RXB Yorkshire Ambulance Service NHS Trust	-	-	-	-
	RXE Doncaster and South Humber Healthcare NHS Trust	-	-	-	-
	RXF Mid Yorkshire Hospitals NHS Trust	-	-	-	-
	RXG South West Yorkshire Mental Health NHS Trust	-	-	-	-
	TAD Bradford District Care Trust	-	-	-	-
	TAH Sheffield Care Trust	-	-	-	-
Q33	East Midlands	6,773	5,804	969	53,357
	5EM Nottingham City PCT	1,190	1,172	18	1,836
	5ET Bassetlaw PCT	56	30	26	945
	5N6 Derbyshire County PCT	124	78	46	3,628
	5N7 Derby City PCT	856	744	112	1,554
	5N8 Nottinghamshire County Teaching PCT	662	352	310	3,777
	5N9 Lincolnshire Teaching PCT	0	0	0	22,438
	5PA Leicestershire County & Rutland PCT	507	425	82	6,842
	5PC Leicester City Teaching PCT	2,033	1,784	249	3,460
	5PD Northamptonshire Teaching PCT	288	206	82	6,881
	RFS Chesterfield Royal Hospital NHS Foundation Trust	89	89	0	0
	RHA Nottinghamshire Healthcare NHS Trust	-	-	-	-
	RK5 Sherwood Forest Hospitals NHS Trust	-	-	-	-
	RNQ Kettering General Hospital NHS Trust	-	-	-	-
	RNS Northampton General Hospital NHS Trust	968	924	44	1,996
	RPH Northamptonshire Healthcare NHS Trust	-	-	-	-
	RP7 Lincolnshire Healthcare NHS Trust	-	-	-	-
	RT5 Leicestershire Partnership NHS Trust	-	-	-	-
	RTG Derby Hospitals NHS Foundation Trust	-	-	-	-
	RWD The United Lincolnshire Hospitals NHS Trust	-	-	-	-
	RWE University Hospitals of Leicester NHS Trust	-	-	-	-
	RX1 Nottingham University Hospitals NHS Trust	-	-	-	-
	RX9 East Midlands Ambulance Service NHS Trust	-	-	-	-
	RXM Derbyshire Mental Health Services NHS Trust	-	-	-	-
Q34	West Midlands	13,690	12,244	1,446	37,675
	5CN Herefordshire PCT	39	21	18	1,673
	5M1 South Birmingham PCT	1,175	1,079	96	2,517
	5M2 Shropshire County PCT	127	76	51	2,967
	5M3 Walsall Teaching PCT	920	879	41	2,668
	5MD Coventry Teaching PCT	1,621	1,476	145	592
	5MK Telford and Wrekin PCT	264	182	82	1,785
	5MV Wolverhampton City PCT	1,443	1,324	119	3,177
	5MX Heart Of Birmingham Teaching PCT	3,594	3,375	219	1,496
	5PE Dudley PCT	660	633	27	2,627
	5PF Sandwell PCT	1,432	1,367	65	1,627
	5PG Birmingham East & North PCT	1,264	1,140	124	2,666
	5PH North Staffordshire PCT	38	1	37	3,957
	5PJ Stoke on Trent Teaching PCT	-	-	-	-
	5PK South Staffordshire PCT	-	-	-	-
	5PL Worcestershire PCT	171	149	22	4,601
	5PM Warwickshire PCT	759	398	361	4,960
	RB7 Staffordshire Ambulance Service	-	-	-	-
	RBK Walsall Hospitals NHS Trust	-	-	-	-
	RJC South Warwickshire General Hospitals NHS Trust	-	-	-	-
	RJD Mid Staffordshire General Hospitals NHS Trust	-	-	-	-
	RJE University Hospital of North Staffordshire NHS Trust	-	-	-	-
	RJF Burton Hospitals NHS Trust	-	-	-	-
	RJH Good Hope Hospital NHS Trust	-	-	-	-
	RKB University Hospitals Coventry and Warwickshire NHS Trust	-	-	-	-
	RL1 Robert Jones and Agnes Hunt Orthopaedic and District Hospital NHS Trust	-	-	-	-
	RL4 The Royal Wolverhampton Hospitals NHS Trust	-	-	-	-
	RLQ Hereford Hospitals NHS Trust	-	-	-	-
	RLT The George Eliot Hospital NHS Trust	-	-	-	-
	RLU Birmingham Women's Healthcare NHS Trust	-	-	-	-
	RLY North Staffordshire Combined Healthcare NHS Trust	-	-	-	-
	RNA Dudley Group of Hospitals NHS Trust	-	-	-	-
	RQ3 Birmingham Children's Hospital NHS Trust	-	-	-	-
	RR1 Heart of England NHS Foundation Trust	-	-	-	-
	RRE South Staffordshire Healthcare NHS Trust	-	-	-	-
	RRJ Royal Orthopaedic Hospital NHS Trust	-	-	-	-
	RRK University Hospital Birmingham NHS Foundation Trust	-	-	-	-
	RWP Worcestershire Acute Hospitals NHS Trust	-	-	-	-
	RWQ Worcestershire Mental Health Partnership NHS Trust	-	-	-	-
	RXK Sandwell and West Birmingham Hospitals NHS Trust	-	-	-	-
	RXT Birmingham and Solihull Mental Health NHS Trust	-	-	-	-
	RXW Shrewsbury and Telford Hospital NHS Trust	-	-	-	-
	RYA West Midlands Ambulance Service NHS Trust	-	-	-	-
	TAJ Sandwell Mental Health NHS and Social Care Trust	-	-	-	-
	TAM Solihull Care Trust	183	144	39	362

Table 12a: Number of children receiving BCG vaccinations and reinforcing doses given to school leavers by provider 2008-09

		BCG vaccinations			TdIPV <sup>(1)</sup>
		all ages	age under 1	Aged 1 and over	age 13-18 <sup>(1)</sup>
<b>England</b>		<b>239,241</b>	<b>148,948</b>	<b>90,293</b>	<b>413,476</b>
Q35	East of England	40,368	10,007	30,361	36,878
	5GC Luton PCT	19,923	2,585	17,338	1,403
	5P1 South East Essex PCT	552	357	195	3,382
	5P2 Bedfordshire PCT	11,995	842	11,153	3,632
	5P3 East & North Hertfordshire PCT	245	130	115	4,050
	5P4 West Hertfordshire PCT	1,568	1,081	487	5,463
	5PN Peterborough PCT	962	962	0	86
	5PP Cambridgeshire PCT	769	769	0	301
	5PQ Norfolk PCT	622	469	153	3,056
	5PR Great Yarmouth & Waveney Teaching PCT	162	149	13	1,582
	5PT Suffolk PCT	555	345	210	3,752
	5PV West Essex PCT	534	386	148	1,338
	5PW North East Essex PCT	515	234	281	2,746
	5PX Mid Essex PCT	341	322	19	2,515
	5PY South West Essex Teaching PCT	757	612	145	3,572
	RAJ Southend Hospital NHS Trust	-	-	-	-
	RC1 Bedford Hospital NHS Trust	-	-	-	-
	RC9 Luton and Dunstable Hospital NHS Trust	-	-	-	-
	RCX The Queen Elizabeth Hospital King's Lynn NHS Trust	-	-	-	-
	RDD Basildon and Thurrock General Hospital NHS Trust	-	-	-	-
	RDE Essex Rivers Healthcare NHS Trust	-	-	-	-
	RGM Papworth Hospital NHS Foundation Trust	-	-	-	-
	RGN Peterborough and Stamford Hospitals NHS Foundation Trust	-	-	-	-
	RGP James Paget Healthcare NHS Trust	-	-	-	-
	RGQ Ipswich Hospital NHS Trust	364	260	104	0
	RGR West Suffolk Hospitals NHS Trust	-	-	-	-
	RGT Cambridge University Hospitals NHS Foundation Trust	504	504	0	0
	RM1 Norfolk and Norwich Health Care NHS Trust	-	-	-	-
	RMY Norfolk and Waveney Mental Health Partnership NHS Trust	-	-	-	-
	RQ8 Mid Essex Hospital Services NHS Trust	-	-	-	-
	RQQ Hinchinbrooke Healthcare NHS Trust	-	-	-	-
	RQW The Princess Alexandra Hospital NHS Trust	-	-	-	-
	RRD North Essex Mental Health Partnership NHS Trust	-	-	-	-
	RT1 Cambridgeshire and Peterborough Mental Health Partnership NHS Trust	-	-	-	-
	RT6 Suffolk Mental Health Partnership NHS Trust	-	-	-	-
	RV7 Bedfordshire and Luton Mental Health and Social Care NHS Trust	-	-	-	-
	RWG West Hertfordshire Hospitals NHS Trust	-	-	-	-
	RWH East and North Hertfordshire NHS Trust	-	-	-	-
	RWN South Essex Partnership NHS Trust	-	-	-	-
	RWR Hertfordshire Partnership NHS Trust	-	-	-	-
	RYC East of England Ambulance Service NHS trust	-	-	-	-
Q36	London	114,113	69,467	44,646	46,442
	5A4 Havering PCT	0	0	0	939
	5A5 Kingston PCT	815	583	232	1,116
	5A7 Bromley PCT	599	599	0	2,030
	5A8 Greenwich Teaching PCT	4,019	3,312	707	546
	5A9 Barnet PCT	2,530	1,927	603	1,020
	5AT Hillingdon PCT	3,036	3,023	13	2,443
	5C1 Enfield PCT	1,427	1,100	327	2,708
	5C2 Barking & Dagenham PCT	0	0	0	1,023
	5C3 City and Hackney PCT	3,080	2,932	148	637
	5C4 Tower Hamlets PCT	40,063	27,737	37,326	5,914
	5C5 Newham PCT	4,835	4,800	35	2,741
	5C9 Haringey Teaching PCT	3,156	3,108	48	3,440
	5H1 Hammersmith and Fulham PCT	1,317	1,317	0	679
	5HX Ealing PCT	3,361	3,318	43	1,451
	5HY Hounslow PCT	4,106	3,868	238	1,294
	5K5 Brent Teaching PCT	3,324	3,307	17	1,188
	5K6 Harrow PCT	1,856	1,437	419	485
	5K7 Camden PCT	2,600	2,252	338	0
	5K8 Islington PCT	2,214	2,043	171	800
	5K9 Croydon PCT	2,245	1,567	678	2,022
	5LA Kensington and Chelsea PCT	737	519	218	142
	5LC Westminster PCT	1,563	1,563	0	1,187
	5LD Lambeth PCT	4,712	4,388	324	784
	5LE Southwark PCT	0	0	0	0
	5LF Lewisham PCT	3,150	2,941	209	1,050
	5LG Wandsworth PCT	623	284	339	58
	5MG Richmond and Twickenham PCT	525	398	127	896
	5MT Sutton and Merton PCT	1,950	681	1,259	4,280
	5NA Redbridge PCT	4,136	4,121	15	2,270
	5NC Waltham Forest PCT	4,264	4,122	142	2,414
	RAL Royal Free Hampstead NHS Trust	-	-	-	-
	RAN Royal National Orthopaedic Hospital NHS Trust	-	-	-	-
	RAP North Middlesex University Hospital NHS Trust	-	-	-	-
	RAS Hillingdon Hospital NHS Trust	-	-	-	-
	RAT North East London Mental Health NHS Trust	-	-	-	-
	RAX Kingston Hospital NHS Trust	-	-	-	-
	RC3 Ealing Hospital NHS Trust	-	-	-	-
	RF4 Barking, Havering and Redbridge Hospitals NHS Trust	-	-	-	-
	RFW West Middlesex University Hospital NHS Trust	3,928	3,928	0	0
	RG2 Queen Elizabeth Hospital NHS Trust	-	-	-	-
	RG3 Bromley Hospitals NHS Trust	-	-	-	-
	RGC Whipps Cross University Hospital NHS Trust	-	-	-	-
	RGZ Queen Mary's Sidcup NHS Trust	-	-	-	-
	RJ1 Guys & St Thomas' NHS Foundation Trust	-	-	-	-
	RJ2 The Lewisham Hospital NHS Trust	-	-	-	-
	RJ5 St Mary's NHS Trust	-	-	-	-
	RJ6 Mayday HealthCare NHS Trust	1,644	1,627	17	0
	RJ7 St George's Healthcare NHS Trust	-	-	-	-
	RJZ King's College Hospital NHS Trust	-	-	-	-
	RKE The Whittington Hospital NHS Trust	-	-	-	-
	RKL West London Mental Health NHS Trust	-	-	-	-
	RNH Newham University Hospital NHS Trust	-	-	-	-
	RNJ Barts and the London NHS Trust	-	-	-	-
	RNK Tavistock and Portman NHS Trust	-	-	-	-
	RP4 Great Ormond Street Hospital For Sick Children NHS Trust	-	-	-	-
	RP6 Moorfields Eye Hospital NHS Foundation Trust	-	-	-	-
	RPG Oxleas NHS Trust	-	-	-	-
	RPY Royal Marsden Hospital NHS Foundation Trust	-	-	-	-
	RQM Chelsea and Westminster Healthcare NHS Trust	-	-	-	-
	RQN Hammersmith Hospitals NHS Trust	-	-	-	-
	RQX Homerton University Hospital NHS Foundation Trust	-	-	-	-
	RQY South West London & St George's Mental Health NHS Trust	-	-	-	-
	RRP Barnet, Enfield and Haringey Mental Health NHS Trust	-	-	-	-
	RRU London Ambulance service	-	-	-	-
	RRV University College London Hospitals NHS Foundation Trust	-	-	-	-
	RT3 Royal Brompton and Harefield NHS Trust	-	-	-	-
	RV3 Central and North West London Mental Health NHS Trust	-	-	-	-
	RV5 South London and Maudsley NHS Trust	-	-	-	-
	RV8 North West London Hospitals NHS Trust	1,934	1,492	442	792
	RVL Barnet and Chase Farm Hospitals NHS Trust	-	-	-	-
	RVR Epsom and St Helier University Hospitals NHS Trust	248	153	95	0
	RWK East London and the City Mental Health NHS Trust	-	-	-	-
	TAF Camden and Islington Mental Health and Social Care Trust	-	-	-	-
	TAK Bexley Care Trust	116	0	116	93

Table 12a: Number of children receiving BCG vaccinations and reinforcing doses given to school leavers by provider 2008-09

		BCG vaccinations			TdIPV <sup>(1)</sup>
		all ages	age under 1	Aged 1 and over	age 13-18 <sup>(1)</sup>
<b>England</b>		<b>239,241</b>	<b>148,948</b>	<b>90,293</b>	<b>413,476</b>
Q37	South East Coast	12,761	7,988	4,773	38,077
	5L3 Medway PCT	282	21	261	830
	5L0 Brighton and Hove City PCT	-	-	-	-
	5P5 Surrey PCT	4,643	2,983	1,660	8,333
	5P6 West Sussex Teaching PCT	1,225	229	996	8,087
	5P7 East Sussex Downs & Weald PCT	314	198	116	3,301
	5P8 Hastings & Rother PCT	201	142	59	1,578
	5P9 West Kent PCT	1,558	734	824	7,552
	5QA Eastern & Coastal Kent Teaching PCT	120	17	103	6,627
	RA2 Royal Surrey County Hospital NHS Trust	91	73	18	0
	RDR South Downs Health NHS Trust	380	151	229	1,769
	RDU Frimley Park Hospital NHS Foundation Trust	-	-	-	-
	RN7 Dartford and Gravesham NHS Trust	-	-	-	-
	RPA Medway NHS Trust	-	-	-	-
	RPC Queen Victoria Hospital NHS Foundation Trust	-	-	-	-
	RPL Worthing and Southlands Hospitals NHS Trust	-	-	-	-
	RPR Royal West Sussex NHS Trust	-	-	-	-
	RTK Ashford and St Peter's Hospitals NHS Trust	2,996	2,996	0	0
	RTP Surrey and Sussex Healthcare NHS Trust	-	-	-	-
	RVV East Kent Hospitals NHS Trust	608	235	373	0
	RWF Maidstone and Tunbridge Wells NHS Trust	343	209	134	0
	RX2 Sussex Partnership NHS Trust	-	-	-	-
	RXC East Sussex Hospitals NHS Trust	-	-	-	-
	RXH Brighton and Sussex University Hospitals NHS Trust	-	-	-	-
	RXJ West Kent NHS and Social Care Trust	-	-	-	-
	RXX Surrey & Borders Partnership NHS Trust	-	-	-	-
	RXY East Kent NHS and Social Care Partnership	-	-	-	-
	RYD South East Coast Ambulance Service NHS Trust	-	-	-	-
Q38	South Central	15,402	13,267	2,135	34,986
	5CQ Milton Keynes PCT	1,231	793	438	2,257
	5FE Portsmouth City Teaching PCT	348	332	16	1,896
	5L1 Southampton City PCT	550	432	118	1,959
	5QC Hampshire PCT	567	343	224	9,504
	5QD Buckinghamshire PCT	905	714	191	4,364
	5QE Oxfordshire PCT	984	765	199	5,263
	5QF Berkshire West PCT	1,040	903	137	4,774
	5QG Berkshire East Teaching PCT	3,052	2,983	69	3,163
	5QT Isle of Wight Healthcare PCT	14	0	14	1,630
	RBF Nuffield Orthopaedic Centre NHS Trust	-	-	-	-
	RD7 Heatherwood and Wexham Park Hospitals NHS Trust	3,989	3,989	0	0
	RD8 Milton Keynes General Hospital NHS Trust	893	893	0	0
	RHM Southampton University Hospitals NHS Trust	-	-	-	-
	RHU Portsmouth Hospitals NHS Trust	392	392	0	0
	RHW Royal Berkshire and Battle Hospitals NHS Trust	-	-	-	-
	RHX Oxfordshire Learning Disability NHS Trust	-	-	-	-
	RN1 Winchester and Eastleigh Healthcare NHS Trust	1	0	1	176
	RN5 North Hampshire Hospitals NHS Trust	-	-	-	-
	RNU Oxfordshire Mental Healthcare NHS Trust	-	-	-	-
	RTH Oxford Radcliffe Hospitals NHS Trust	1,456	728	728	0
	RW1 Hampshire Partnership NHS Trust	-	-	-	-
	RWX Berkshire Healthcare NHS Trust	-	-	-	-
	RXQ Buckinghamshire Hospitals NHS Trust	-	-	-	-
	RYE South Central Ambulance Service NHS Trust	-	-	-	-
Q39	South West	3,585	2,947	638	36,069
	5A3 South Gloucestershire PCT	243	208	35	291
	5F1 Plymouth Teaching PCT	-	-	-	-
	5FL Bath and North East Somerset PCT	93	60	33	1,445
	5K3 Swindon PCT	373	343	30	2,069
	5M8 North Somerset PCT	101	90	11	812
	5QH Gloucestershire PCT	405	282	123	3,846
	5QJ Bristol Teaching PCT	1,082	983	99	366
	5QK Wiltshire PCT	235	162	73	3,578
	5QL Somerset PCT	161	114	47	5,897
	5QM Dorset PCT	59	55	4	1,294
	5QN Bournemouth & Poole PCT	247	229	18	2,697
	5QP Cornwall & Isles of Scilly PCT	-	-	-	-
	5QQ Devon PCT	215	115	100	4,720
	RA3 Weston Area Health NHS Trust	-	-	-	-
	RA4 East Somerset NHS Trust	-	-	-	-
	RA7 United Bristol Healthcare NHS Trust	-	-	-	-
	RA9 South Devon Healthcare NHS Trust	-	-	-	-
	RBA Taunton and Somerset NHS Trust	-	-	-	-
	RBB Royal National Hospital for Rheumatic Disorders NHS foundation Trust	-	-	-	-
	RBD West Dorset General Hospitals NHS Trust	-	-	-	-
	RBZ North Devon Healthcare NHS Trust	-	-	-	-
	RD1 Royal United Hospital Bath NHS Trust	-	-	-	-
	RD3 Poole Hospital NHS Trust	-	-	-	-
	RDV Dorset Healthcare NHS Trust	-	-	-	-
	RDZ Royal Bournemouth and Christchurch Hospitals NHS Foundation Trust	212	212	0	0
	REF Royal Cornwall Hospitals NHS Trust	80	76	4	5,257
	RHS Somerset Partnership NHS and Social Care Trust	-	-	-	-
	RH8 Royal Devon and Exeter NHS Foundation Trust	-	-	-	-
	RJB Cornwall Partnership NHS Trust	-	-	-	-
	RK9 Plymouth Hospitals NHS Trust	67	9	58	2,017
	RN3 Swindon and Marlborough NHS Trust	-	-	-	-
	RNZ Salisbury Health Care NHS Trust	-	-	-	-
	RTE Gloucestershire Hospitals NHS Foundation Trust	-	-	-	-
	RTQ Gloucestershire Partnership NHS Trust	-	-	-	-
	RVJ North Bristol NHS Trust	-	-	-	-
	RVN Avon and Western Wiltshire Mental Health Care NHS Trust	-	-	-	-
	RWV Devon Partnership NHS Trust	-	-	-	-
	RX5 Great Western Ambulance Service NHS Trust	-	-	-	-
	RYF South Western Ambulance NHS Trust	-	-	-	-
	TAL Torbay Care Trust	12	9	3	1,780

For more information on the data quality issues surrounding the 2008-09 KC50 return please see Appendix A following the tables at the back of the publication

Source: Form KC50

Table 13: Percentage of children (school year 8 girls) receiving HPV vaccinations by Primary Care Trust, 2008-09  
**September 2008 to June 2009 only**

England		Number of girls aged 12-13 (thousands) (=100%)	HPV vaccinations (percentage immunised)		
			<b>Experimental Data</b>		
			Dose 1	Doses 1 & 2	All 3 doses
<b>England</b>		<b>305.8</b>	87	84	70
Q30 North East		15.1	91	87	80
5ND	County Durham PCT	2.8	92	77	65
5J9	Darlington PCT	0.7	89	87	83
5KF	Gateshead PCT	1.1	95	94	93
5D9	Hartlepool PCT	0.6	87	86	84
5KM	Middlesbrough PCT	0.9	73	73	59
5D7	Newcastle PCT	1.4	92	91	89
5E1	Stockton - on - Tees PCT	1.2	91	84	77
5D8	North Tyneside PCT	1.2	100	93	91
TAC	Northumberland Care Trust	1.7	99	98	84
5QR	Redcar & Cleveland PCT	1.0	83	81	75
5KG	South Tyneside PCT	0.9	87	85	85
5KL	Sunderland Teaching PCT	1.6	93	91	89
Q31 North West		42.2	89	86	78
5HG	Ashton, Leigh and Wigan PCT	1.8	94	94	91
5CC	Blackburn with Darwen PCT	1.1	86	86	83
5HP	Blackpool PCT	0.8	92	92	89
5HQ	Bolton PCT	1.8	93	92	59
5JX	Bury PCT	1.2	83	81	69
5NP	Central & Eastern Cheshire PCT	2.8	94	94	93
5NG	Central Lancashire PCT	2.7	88	88	84
5NE	Cumbria PCT	3.1	87	85	84
5NH	East Lancashire PCT	2.4	79	79	65
5NM	Halton & St Helens PCT	1.7	94	90	66
5NQ	Heywood, Middleton & Rochdale PCT	1.2	92	91	91
5J4	Knowsley PCT	0.7	90	88	78
5NL	Liverpool PCT	2.6	88	87	84
5NT	Manchester PCT	2.6	74	68	60
5NF	North Lancashire PCT	1.7	92	90	87
5J5	Oldham PCT	1.5	96	85	82
5F5	Salford PCT	1.2	83	82	79
5NJ	Sefton PCT	1.8	91	89	77
5F7	Stockport PCT	1.8	82	63	36
5LH	Tameside and Glossop PCT	1.5	95	93	68
5NR	Trafford PCT	1.5	88	88	87
5J2	Warrington PCT	1.2	97	91	87
5NN	West Cheshire PCT	1.2	94	93	91
5NK	Wirral PCT	2.0	94	94	93

Table 13: Percentage of children (school year 8 girls) receiving HPV vaccinations by Primary Care Trust, 2008-09  
**September 2008 to June 2009 only**

England		Number of girls aged 12-13 (thousands) (=100%)	HPV vaccinations (percentage immunised)		
			<b>Experimental Data</b>		
			Dose 1	Doses 1 & 2	All 3 doses
<b>England</b>		<b>305.8</b>	87	84	70
Q32 Yorkshire and The Humber		30.9	93	89	74
5JE	Barnsley PCT	1.3	91	91	89
5NY	Bradford & Airedale Teaching PCT	3.0	91	90	79
5J6	Calderdale PCT	1.4	95	93	86
5N5	Doncaster PCT	1.8	93	93	79
5NW	East Riding of Yorkshire PCT	2.0	100	97	85
5NX	Hull Teaching PCT	1.4	94	92	90
5N2	Kirklees PCT	2.5	86	86	75
5N1	Leeds PCT	4.1	99	85	49
TAN	North East Lincolnshire PCT	0.9	93	92	89
5EF	North Lincolnshire PCT	1.0	91	91	85
5NV	North Yorkshire & York PCT	4.6	90	89	77
5H8	Rotherham PCT	1.8	96	95	91
5N4	Sheffield PCT	3.0	85	79	50
5N3	Wakefield District PCT	2.2	96	94	72
Q33 East Midlands		26.6	87	86	66
5ET	Bassetlaw PCT	0.6	99	99	0
5N7	Derby City PCT	1.4	90	90	89
5N6	Derbyshire County PCT	4.3	88	84	62
5PC	Leicester City Teaching PCT	1.9	78	78	73
5PA	Leicestershire County & Rutland PCT	4.2	92	91	86
5N9	Lincolnshire Teaching PCT	4.4	85	84	18
5PD	Northamptonshire Teaching PCT	4.2	88	86	84
5EM	Nottingham City PCT	1.6	80	78	78
5N8	Nottinghamshire County Teaching PCT	4.0	87	86	76
Q34 West Midlands		34.2	87	83	65
5PG	Birmingham East & North PCT	2.8	74	68	31
5MD	Coventry Teaching PCT	1.9	97	90	37
5PE	Dudley PCT	1.9	95	95	95
5MX	Heart Of Birmingham Teaching PCT	1.8	54	52	-
5CN	Herefordshire PCT	1.0	86	85	75
5PH	North Staffordshire PCT	1.3	92	92	84
5PF	Sandwell PCT	1.7	96	96	94
5M2	Shropshire County PCT	1.8	83	83	80
TAM	Solihull Care Trust	1.7	87	87	81
5M1	South Birmingham PCT	2.7	81	75	59
5PK	South Staffordshire PCT	3.5	92	89	55
5PJ	Stoke on Trent Teaching PCT	1.3	91	90	80
5MK	Telford and Wrekin PCT	1.0	85	85	81
5M3	Walsall Teaching PCT	1.8	87	86	65
5PM	Warwickshire PCT	3.2	82	82	68
5MV	Wolverhampton City PCT	1.3	97	95	78
5PL	Worcestershire PCT	3.4	100	84	83

Table 13: Percentage of children (school year 8 girls) receiving HPV vaccinations by Primary Care Trust, 2008-09  
September 2008 to June 2009 only

England		Number of girls aged 12-13 (thousands) (=100%)	HPV vaccinations (percentage immunised)		
			<b>Experimental Data</b>		
			Dose 1	Doses 1 & 2	All 3 doses
<b>England</b>		<b>305.8</b>	87	84	70
Q35	East of England	34.8	88	85	81
5P2	Bedfordshire PCT	2.5	91	89	75
5PP	Cambridgeshire PCT	3.2	95	95	94
5P3	East & North Hertfordshire PCT	3.6	84	83	82
5PR	Great Yarmouth & Waveney Teaching PCT	1.2	90	90	88
5GC	Luton PCT	1.1	82	64	43
5PX	Mid Essex PCT	1.9	95	95	91
5PQ	Norfolk PCT	4.2	88	87	80
5PW	North East Essex PCT	2.0	84	80	79
5PN	Peterborough PCT	1.2	83	82	80
5P1	South East Essex PCT	2.3	83	83	81
5PY	South West Essex Teaching PCT	2.6	90	88	85
5PT	Suffolk PCT	3.4	91	91	89
5PV	West Essex PCT	1.7	93	70	66
5P4	West Hertfordshire PCT	3.9	81	81	79
Q36	London	41.7	80	76	63
5C2	Barking & Dagenham PCT	1.1	83	83	77
5A9	Barnet PCT	1.8	67	67	62
TAK	Bexley Care Trust	1.6	91	73	47
5K5	Brent Teaching PCT	1.4	92	92	66
5A7	Bromley PCT	1.9	81	80	79
5K7	Camden PCT	1.1	68	66	64
5C3	City and Hackney PCT	1.4	65	64	60
5K9	Croydon PCT	2.0	78	77	71
5HX	Ealing PCT	1.5	78	73	1
5C1	Enfield PCT	1.7	76	75	75
5A8	Greenwich Teaching PCT	1.3	83	80	67
5H1	Hammersmith and Fulham PCT	0.9	76	72	71
5C9	Haringey Teaching PCT	1.2	82	81	73
5K6	Harrow PCT	1.3	66	65	44
5A4	Havering PCT	1.6	84	83	40
5AT	Hillingdon PCT	1.7	89	88	81
5HY	Hounslow PCT	1.4	64	57	30
5K8	Islington PCT	0.7	71	71	66
5LA	Kensington and Chelsea PCT	0.4	83	83	72
5A5	Kingston PCT	1.0	84	81	81
5LD	Lambeth PCT	1.0	84	84	61
5LF	Lewisham PCT	1.2	77	72	43
5C5	Newham PCT	1.8	90	89	85
5NA	Redbridge PCT	1.6	87	84	79
5M6	Richmond and Twickenham PCT	0.9	80	80	78
5LE	Southwark PCT	1.2	89	71	28
5M7	Sutton and Merton PCT	2.3	78	68	64
5C4	Tower Hamlets PCT	1.3	99	98	98
5NC	Waltham Forest PCT	1.5	72	71	68
5LG	Wandsworth PCT	1.2	73	71	71
5LC	Westminster PCT	1.0	74	70	65

Table 13: Percentage of children (school year 8 girls) receiving HPV vaccinations by Primary Care Trust, 2008-09  
**September 2008 to June 2009 only**

England		Number of girls aged 12-13 (thousands) (=100%)	HPV vaccinations (percentage immunised)		
			<b>Experimental Data</b>		
			Dose 1	Doses 1 & 2	All 3 doses
<b>England</b>		<b>305.8</b>	87	84	70
Q37	South East Coast	26.6	84	81	65
	5LQ Brighton and Hove City PCT	1.3	80	79	78
	5P7 East Sussex Downs & Weald PCT	2.1	80	70	51
	5QA Eastern & Coastal Kent Teaching PCT	4.7	84	77	38
	5P8 Hastings & Rother PCT	1.1	90	86	48
	5L3 Medway PCT	1.7	87	87	68
	5P5 Surrey PCT	6.9	80	77	72
	5P9 West Kent PCT	4.1	92	92	73
	5P6 West Sussex Teaching PCT	4.6	85	85	79
Q38	South Central	23.6	91	89	73
	5QG Berkshire East Teaching PCT	2.4	89	88	86
	5QF Berkshire West PCT	2.6	88	86	85
	5QD Buckinghamshire PCT	3.3	84	80	40
	5QC Hampshire PCT	7.6	94	92	64
	5QT Isle of Wight Healthcare PCT	0.8	94	91	88
	5CQ Milton Keynes PCT	1.4	89	89	86
	5QE Oxfordshire PCT	3.4	93	92	89
	5FE Portsmouth City Teaching PCT	1.1	92	92	88
	5L1 Southampton City PCT	1.1	91	91	81
Q39	South West	30.3	86	83	61
	5FL Bath and North East Somerset PCT	1.4	80	79	72
	5QN Bournemouth & Poole PCT	1.7	84	84	83
	5QJ Bristol Teaching PCT	1.8	87	79	0
	5QP Cornwall & Isles of Scilly PCT	3.0	82	76	8
	5QQ Devon PCT	4.2	84	84	79
	5QM Dorset PCT	2.4	89	88	80
	5QH Gloucestershire PCT	3.7	88	84	80
	5M8 North Somerset PCT	1.2	88	87	80
	5F1 Plymouth Teaching PCT	1.5	86	84	74
	5QL Somerset PCT	3.2	83	82	63
	5A3 South Gloucestershire PCT	1.4	95	86	-
	5K3 Swindon PCT	1.1	93	93	91
	TAL Torbay Care Trust	0.7	91	89	79
	5QK Wiltshire PCT	2.9	81	80	71

**The HPV immunisation programme began in, and the data has been collected for the first time from, September 2008; the above data is consequently incomplete, being only to end June 2009, and therefore has been labelled as experimental**

Source: Department of Health June Survey (Data from 01/09/2008 to 31/06/2009)

Table 14: Percentage of persons aged 65 and over immunised against influenza, by Strategic Health Authority, 2008-09

England	percentages
percentage immunised during October 2008 - January 2009	
<b>England</b>	<b>74</b>
Q30 North East	76
Q31 North West	75
Q32 Yorkshire and the Humber	75
Q33 East Midlands	74
Q34 West Midlands	73
Q35 East Of England	75
Q36 London	73
Q37 South East Coast	73
Q38 South Central	75
Q39 South West	74

Source: Department of Health

Table 14a: Percentage of persons aged 65 and over immunised against influenza, by Primary Care Trust, 2008-09

England		percentages
		percentage immunised during October 2008 - January 2009
<b>England</b>		<b>74</b>
Q30	North East	76
	5ND County Durham PCT	74
	5J9 Darlington PCT	75
	5KF Gateshead PCT	76
	5D9 Hartlepool PCT	74
	5KM Middlesbrough PCT	75
	5D7 Newcastle PCT	78
	5D8 North Tyneside PCT	77
	TAC Northumberland Care Trust PCT	75
	5QR Redcar & Cleveland PCT	77
	5KG South Tyneside PCT	77
	5KL Sunderland Teaching PCT	77
	5E1 Stockton - on - Tees PCT	74
Q31	North West	75
	5HG Ashton, Leigh & Wigan PCT	74
	5CC Blackburn with Darwen PCT	74
	5HP Blackpool PCT	72
	5HQ Bolton PCT	73
	5JX Bury PCT	72
	5NP Central & Eastern Cheshire PCT	78
	5NG Central Lancashire PCT	75
	5NE Cumbria PCT	76
	5NH East Lancashire PCT	73
	5NM Halton & St Helens PCT	75
	5NQ Heywood, Middleton & Rochdale PCT	74
	5J4 Knowsley PCT	76
	5NL Liverpool PCT	73
	5NT Manchester PCT	71
	5NF North Lancashire PCT	76
	5J5 Oldham PCT	74
	5F5 Salford PCT	75
	5NJ Salford PCT	76
	5F7 Stockport PCT	78
	5LH Tameside & Glossop PCT	76
	5NR Trafford PCT	79
	5J2 Warrington PCT	75
	5NN Western Cheshire PCT	75
	5NK Wirral PCT	76
Q32	Yorkshire & the Humber	75
	5JE Barnsley PCT	73
	5NY Bradford & Airedale PCT	76
	5J6 Calderdale PCT	72
	5N5 Doncaster PCT	73
	5NW East Riding of Yorkshire PCT	74
	5NX Hull PCT	76
	5N2 Kirklees PCT	73
	5N1 Leeds PCT	77
	TAN North East Lincolnshire PCT	73
	5EF North Lincolnshire PCT	74
	5NV North Yorkshire & York PCT	76
	5H8 Rotherham PCT	77
	5N4 Sheffield PCT	75
	5N3 Wakefield District PCT	75
Q33	East Midlands	74
	5ET Bassetlaw PCT	76
	5N7 Derby City PCT	75
	5N6 Derbyshire County PCT	76
	5PC Leicester City PCT	72
	5PA Leicestershire County & Rutland PCT	74
	5N9 Lincolnshire PCT	74
	5PD Northamptonshire PCT	75
	5EM Nottingham City PCT	73
	5N8 Nottinghamshire County PCT	75
Q34	West Midlands	73
	5PG Birmingham East & North PCT	71
	5MD Coventry Teaching PCT	69
	5PE Dudley PCT	72
	5MX Heart of Birmingham Teaching PCT	80
	5CN Herefordshire PCT	74
	5PH North Staffordshire PCT	73
	5PF Sandwell PCT	70
	5M2 Shropshire County PCT	72
	TAM Solihull Care Trust	74
	5M1 South Birmingham PCT	72
	5PK South Staffordshire PCT	74
	5PJ Stoke on Trent PCT	75
	5MK Telford & Wrekin PCT	71
	5M3 Walsall Teaching PCT	72
	5PM Warwickshire PCT	75
	5MV Wolverhampton City PCT	73
	5PL Worcestershire PCT	74
Q35	East of England	75
	5P2 Bedfordshire PCT	73
	5PP Cambridgeshire PCT	75
	5P3 East & North Hertfordshire PCT	77
	5PR Great Yarmouth & Waveney PCT	74
	5GC Luton PCT	71
	5PX Mid Essex PCT	75
	5PQ Norfolk PCT	74
	5PW North East Essex PCT	73
	5PN Peterborough PCT	74
	5P1 South East Essex PCT	72
	5PY South West Essex PCT	76
	5PT Suffolk PCT	74
	5PV West Essex PCT	74
	5P4 West Hertfordshire PCT	77

Table 14a: Percentage of persons aged 65 and over immunised against influenza, by Primary Care Trust, 2008-09

England		percentages
		percentage immunised during October 2008 - January 2009
<b>England</b>		<b>74</b>
Q36	London	73
	5C2 Barking & Dagenham PCT	71
	5A9 Barnet PCT	76
	TAK Bexley Care Trust	70
	5K5 Brent Teaching PCT	71
	5A7 Bromley PCT	73
	5K7 Camden PCT	73
	5C3 City & Hackney Teaching PCT	77
	5K9 Croydon PCT	69
	5HX Ealing PCT	71
	5C1 Enfield PCT	73
	5A8 Greenwich Teaching PCT	72
	5H1 Hammersmith & Fulham PCT	73
	5C9 Haringey Teaching PCT	72
	5K6 Harrow PCT	72
	5A4 Havering PCT	74
	5AT Hillingdon PCT	73
	5HY Hounslow PCT	73
	5K8 Islington PCT	73
	5LA Kensington & Chelsea PCT	72
	5A5 Kingston PCT	71
	5LD Lambeth PCT	69
	5LF Lewisham PCT	71
	5C5 Newham PCT	74
	5NA Redbridge PCT	75
	5M6 Richmond & Twickenham PCT	76
	5LE Southwark PCT	70
	5M7 Sutton & Merton PCT	71
	5C4 Tower Hamlets PCT	76
	5NC Waltham Forest PCT	76
	5LG Wandsworth PCT	70
	5LC Westminster PCT	76
Q37	South East Coast	73
	5LQ Brighton & Hove City PCT	71
	5P7 East Sussex Downs & Weald PCT	72
	5QA Eastern & Coastal Kent PCT	74
	5P8 Hastings & Rother PCT	74
	5L3 Medway PCT	75
	5P5 Surrey PCT	71
	5P9 West Kent PCT	74
	5P6 West Sussex PCT	74
Q38	South Central	75
	5QG Berkshire East PCT	74
	5QF Berkshire West PCT	76
	5QD Buckinghamshire PCT	75
	5QC Hampshire PCT	75
	5QT Isle of Wight Healthcare PCT	72
	5CQ Milton Keynes PCT	74
	5QE Oxfordshire PCT	77
	5FE Portsmouth City Teaching PCT	76
	5L1 Southampton City PCT	75
Q39	South West	74
	5FL Bath & North East Somerset PCT	75
	5QN Bournemouth & Poole PCT	74
	5QJ Bristol PCT	76
	5QP Cornwall & Isles of Scilly PCT	72
	5QQ Devon PCT	73
	5QM Dorset PCT	73
	5QH Gloucestershire PCT	76
	5M8 North Somerset PCT	77
	5F1 Plymouth Teaching PCT	74
	5QL Somerset PCT	75
	5A3 South Gloucestershire PCT	80
	5K3 Swindon PCT	73
	TAL Torbay Care Trust	73
	5QK Wiltshire PCT	75

Source: Department of Health

## Annex A – KC50 data quality issues

There are a number of reported data quality problems with the data from the KC50 return and these must be considered when interpreting the statistics:

8 Trusts reported that they could only provide missing or partial data while a further one could only provide an estimate of vaccinations.

10 Trusts also mentioned that there was high variation on last year's figures due to changes in procedure/policy pertaining to parts of the vaccination process.

2 Trusts reported that they were now responsible for more geographical locations than in previous years whereas another two reported that they were responsible for less.

TB outbreaks, higher birth rates, increases in immigration and undertaking two years worth of vaccinations at once were all cited in 8 Trusts as being reasons for increased uptake.

Timing of vaccination schedules within the school year has also lead to decreased or increased vaccination coverage, due to the absence of a vaccination scheme in the collection period or to two vaccination schemes falling inside one collection period. This has been reported as effecting 7 Trusts.

The BCG catch-up scheme provided another explanation for varying uptake rates this year, in many cases inflating coverage since last year, and in some cases lowering it as regional catch-up schemes ended, being specifically reported as a contributing factor. The large amount of year on year variation in each of these cases has made validation difficult and could lead to less reliable figures.

Data quality has also been affected by child health system problems. A total of 13 Trusts reported that child health system problems had led to an inability to report reliable data. Coupled with this, around 49 Trusts were unable to provide data within the correct age range for sections of the return, 15 of whom reported that this specifically effected the BCG figures. This problem is thought to be due at least in part to Child Health Systems not providing this data as no Dataset Change Notice (DSCN) has been issued.

The data presented in this publication has undergone extensive validation but as the reasons cited above indicate there remain concerns regarding the overall quality of the data provided. The nature of the vaccination programme, with various catch-up schemes followed by quiet periods also means that any time series analysis at a local level needs to be undertaken with caution.

## Annex B – KC50 form

<b>Part A</b>				
<b>Immunisations given to school leavers and other children aged 13-18</b>				
Age (in years) on receipt of booster or reinforcing dose	Number of DT/IPV reinforcing doses given to school leavers age 13-18 only in the year		Number of courses of MMR completed in the year for children aged 13-18	
	(1) number of children	(2) number vaccinated	(3) number of children	(4) number vaccinated
(1) Age 13				
(2) Age 14				
(3) Age 15				
(4) Age 16				
(5) Age 17				
(6) Age 18				
(7) Total all ages 13 - 18				

**Completion of shaded cells is voluntary**

**Part A - DATA QUALITY**  
Column 2 Line 7

If total figure entered does not cover the age range 13 - 18 please state the age range covered.  
| \_\_\_\_\_

**Part A - DATA QUALITY**  
Column 4 Line 7

If total figure entered does not cover the age range 13 - 18 please state the age range covered.  
| \_\_\_\_\_

**Part B - BCG (Tuberculosis) persons aged 1 or over in at-risk categories**

	(5) Number of Mantoux tests carried out in the year to determine whether BCG vaccine should be given	Number of vaccinations in the year	
		(6) Number identified as requiring vaccination	(7) Vaccinated
(1) Under 1*			
(2) 1-5			
(3) 6-15			
(4) 16 or over			
(5) Total			

**Part B - DATA QUALITY**  
Column 5 Line 5

If you are providing a total figure only please state the age range covered.  
| \_\_\_\_\_

**Part B - DATA QUALITY**  
Column 6 Line 5

If you are providing a total figure only please state the age range covered.  
| \_\_\_\_\_

**Part B - DATA QUALITY**  
Column 7 Line 5

If you are providing a total figure only please state the age range covered.  
| \_\_\_\_\_

# Annex C – Guidance notes for KC50

GUIDANCE NOTES FOR KC50 2008/09

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.**

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

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

Children for whom the PCT is responsible for 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.*

1. 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.
2. 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).
3. 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.

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

4. Note that this relates only to school leavers and other children aged 13-18 on receipt of booster or reinforcing dose.
5. Record in Column (1) Row (7) the number of children who were eligible for vaccination (ie who had not been previously vaccinated at an earlier age). Please provide an age breakdown in Rows (1) to (6) if possible.

**NB Completion of Column (1) (all rows) is voluntary.**

6. Record in Column (2) Row (7) the total number of booster low dose Diphtheria, Tetanus and Polio (Td/IPV) given to school leavers during the financial year. Please provide an age breakdown in Rows (1) to (6) if possible.

**NB completion of Column (2) Age breakdown (Rows (1) to (6)) is voluntary.**

NB If PCTs are unable to provide data in column (1) then data from the ONS mid-year population estimates will be used (denominator) in conjunction with data from column (2) (numerator) to calculate vaccine uptake.

The image of the form at the end of this guidance illustrates the voluntary cells.

7. Record in Column (4) Row (7) the total number of children aged 13-18 on receipt of MMR

NB Completion of:

**Column (3) (all rows) and**

**Column (4) Age breakdown (Rows (1) to (6)) is voluntary.**

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

8. Part B relates to persons aged 1 or over who receive BCG vaccinations as part of the risk-based immunisation programme (Immunisation Against Infectious Disease, 2006 (The 'Green Book'). Please note that the recording of BCG vaccinations for neonates and other children aged under 1 is now in part C of the KC50 return.
9. Record the number of skin tests carried out in the year to determine whether BCG vaccine should be given, in column 5. 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. Record the estimated number of people that fell into the high-risk groups covered and the number of vaccinations given (columns 6-7).

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

10. Column 8 should be used as follows: where all neonates are routinely vaccinated, enter the number of births the trust is responsible for; where vaccination is limited to selective high-risk groups, enter the estimated number of births that fell into the high-risk groups covered.
11. Enter in column 9 the actual number of under-1s vaccinated. 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.

# Annex D – COVER data collection form

PCT Name/Code:

**2008/2009 - REQUEST PARAMETERS FOR COVER DATA:  
ANNUAL REQUEST  
01/04/08 to 31/03/09**

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 31/03/09 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 31/03/09 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 <i>infant</i>	Hib/MenC** <i>Booster</i>	PCV** <i>Booster</i>
%	%	%	%	%

**Request 3: 5 YEAR COHORT**

5. Total number of children for whom the PCT is responsible on 31/03/09 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 <i>Primary</i>	Pertussis <i>Primary</i>	Hib <i>Infant</i>	MMR <i>1st dose</i>	MenC <i>Infant</i>	PCV <i>Infant</i>
%	%	%	%	%	%

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
#REF!	#REF!	#REF!	#REF!

**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 01/04/07 - 31/03/08)

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 01/04/06 - 31/03/07)

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

**Footnotes:**

- \*at 12 months completed course of DTaP/IPV/Hib is 3 doses, MenC and PCV is 2 doses
- \*\*at 24 months completed course of DTaP/IPV/Hib is 3 doses, MMR is one dose, infant MenC is at least 2 doses before 12 months  
Hib/MenC booster is one dose on or after 12 months (irrespective of the number of doses before that age)  
PCV booster is one dose on or after 12 months (irrespective of the number of doses before that age)
- \*\*\*at 5 years completed course of DT/Pol and pertussis is 3 doses, MMR is one dose  
infant Hib is 3 doses before 12 months, infant MenC is at least 2 doses and PCV is 2 doses before 12 months  
DTaP and polio is 4 doses, MMR is 2 doses  
Hib/MenC booster is one dose on or after 12 mths, PCV booster is one dose on or after 12 months (irrespective of the number of doses before that age) - scheduled at 13 months
- \*\*\*\* 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.

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/0105/003 (ROCR aims to minimise the burden of data collection on the NHS: More details can be found at: <http://www.ic.nhs.uk/rocr>)

Return by **29th May 2009** to:  
**E-mail:** COVER@hpa.org.uk / **Fax:** 020 8327 7404/or post:  
 COVER  
 Immunisation Department  
 Centre for Infections  
 Health Protection Agency  
 61 Colindale Avenue  
 LONDON NW9 5EQ  
**copies of this can also be found at:** [www.hpa.org.uk/infections/topics\\_az/cover/default.htm](http://www.hpa.org.uk/infections/topics_az/cover/default.htm)

**If returning by post please keep a copy and email/call to confirm that it has been received.**

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