
Immunisation

▶ Quarterly vaccination coverage statistics for children aged up to five years in the UK (COVER programme): April to June 2013



Quarterly vaccination coverage statistics for children aged up to five years in the UK (COVER programme): April to June 2013

UK vaccine coverage continues to improve and all childhood vaccines evaluated for children reaching 12 months, 24 months and five years of age in the quarter April to June 2013 increased marginally compared to levels reported in the previous quarter, with the exception of third dose DTaP/IPV/Hib coverage at 24 months and five years which remain the same [1].

Country-specific comparisons for minimum coverage levels achieved for all three immunisations evaluated at 12 months (DTaP/IPV/Hib3, MenC2 and PCV2) show Scotland and Northern Ireland achieved at least 97% coverage, Wales at least 96% and England at least 94%; within England all but four Area Teams achieved at least 95%.

PCV and Hib/MenC booster coverage for two year olds in the UK also continues to improve and is now 93.2% and 93.4% respectively, up around 0.2% compared to the previous quarter [1].

Across the UK MMR coverage at two years is now 93% and the WHO target of 95% coverage has been achieved for the second successive quarter by all three devolved administrations. In England, eight of 25 English Area Teams also achieved the 95% target and a further eight English Area Teams achieved 94%, increasing national coverage in England by 0.4% to 92.6%. UK coverage of the first dose of MMR evaluated at five years increased by 0.4% to 94.8% with Scotland, Northern Ireland, Wales and 15 English Area Teams achieving at least 95% coverage. Coverage of the second dose of MMR in the UK increased by 0.4% to 89% compared to the previous quarter, with Northern Ireland, Scotland and 17 English Area Teams achieving at least 90%.

Last week the Health and Social Care Information Centre (HSCIC) published *NHS Immunisation Statistics, England 2012-13* as national statistics, and are available from the HSCIC website [2].

New format for COVER data in England from April 2013

From April 2013, commissioning and coordination of immunisation programmes is the responsibility of NHS England [3]. Given the transfer of responsibility for public health, however, to local authorities (LAs) on 1st April 2013, population vaccination coverage is included in the Public Health Outcomes Framework (PHOF) (Indicator 3.3) [4]. In line with all the outcomes indicators, population vaccination coverage is expected to be collected for LA resident population. Primary Care Trusts (PCT) coverage collections in the NHS have been based around responsible population (i.e. patients who are registered with a GP in the PCT or unregistered patients who reside in the PCT area).

In order to ensure that accurate PHOF vaccine coverage data are available, the Health Protection Agency (HPA) Immunisation Department surveyed Primary Care Trusts (PCTs) immunisation coordinators and Child Health Information System (CHIS) managers in February 2013. The aim was to understand which CHIS systems can currently produce reliable LA resident population data. Several responses indicated that using LA resident population data would lead to a drop in vaccination coverage because the organisation with responsibility for delivery of the immunisation programme is different from the organisation with responsibility for data. It was therefore proposed, and agreed with the PHOF team, that vaccination coverage data (Indicator 3.3) be collected by LA responsible population – meaning coverage would be supplied for patients registered with GPs based in that LA and for unregistered patients who were resident in that LA. For LAs that are co-terminus with a PCT this will approximate to the PCT responsible population. Those LAs not coterminous with PCT boundaries may need to collate data from more than one CHIS to provide LA responsible population coverage data.

The April to June 2013 quarter request parameters for COVER data in England were simplified in line with the PHOF outcome sub-indicators [4], and were requested in two formats, (i) by PCT responsible population to allow for continuity with historical data and (ii) by LA responsible population (as defined above). However, some areas were unable to provide LA data in the correct format and therefore only PCT level data are published on the COVER pages of the legacy HPA website this quarter [5]. To reflect the new NHS organisations in England this COVER report includes additional tabulations for England only presenting coverage data by Area Team (tables 1b, 2b and 3b).

Results for April to June 2013

This report presents quarterly coverage data for children in the UK who reached their first, second, or fifth birthday during the evaluation quarter (April to June 2013). This is the first quarterly data to be collected since the re-organisation of the NHS in England.

Children who reached their first birthday in the quarter (born April to June 2012) would have been scheduled to receive their primary vaccinations according to the schedule introduced on 4 September 2006 [6] (three doses diphtheria, tetanus, acellular pertussis, polio, and *Haemophilus influenzae* type b vaccine (DTaP/IPV/Hib vaccine), two doses each of meningococcal serogroup C conjugate vaccine (MenC vaccine) and pneumococcal conjugate vaccine (PCV).

Children who reached their second birthday in the quarter (born April to June 2011) would have been scheduled to receive their third dose primary vaccinations between August and November 2011. These children are the seventh quarterly birth cohort to be routinely scheduled to receive their first measles, mumps and rubella (MMR) vaccination, a booster dose of Hib and MenC vaccine (given as a combined Hib/MenC vaccine) and PCV vaccine at the same visit at 12 months of age, between May and July 2012 [6].

Children who reached their fifth birthday in the quarter (born April to June 2008) would have been scheduled to receive their third dose DTaP/IPV/Hib and second MenC and PCV vaccinations between August and November 2008 and are the eighth quarterly cohort to have been exclusively offered their primary vaccinations under to the revised schedule introduced on 4 September 2006 [4]. They would have been scheduled to receive their first MMR between May and July 2009, their pre-school diphtheria, tetanus, acellular pertussis, inactivated polio booster and second dose MMR from July 2011. Children born between April to June 2008 were the eleventh quarterly birth cohort to be scheduled to receive Hib/MenC booster vaccine at 12 months and PCV booster vaccine at 13 months [7].

Methods of data collection for COVER coverage are described on the legacy HPA website [8].

Analysis of the neonatal hepatitis B vaccine coverage data in England for April to June 2013 will appear in the *HPR* to be published on 25 October.

Participation and data quality

Data were received from all Health Boards (HBs) in Scotland, Northern Ireland and Wales. In England, this is the first quarter collecting data from the new structures in the reorganised NHS and the first to request coverage data in two formats; by PCT and by Local Authority (LA). There are some challenges in maintaining data flows for the PCT level collection as these organisations formally ceased to exist on 1 April 2013 and some Child Health Information Systems (CHISs) have moved to extracting at the Clinical Commission Group (CCG) level, these data were aggregated to PCT level based on CCG postcode. In addition, many CHISs are not able to currently provide accurate LA level coverage data by the resident population, however, where LAs are coterminous with a former PCT boundary coverage data for the responsible population PCT will approximate to the LA responsible population [1]. For those LAs not coterminous with PCT boundaries many areas were not able to provide LA responsible population coverage data and therefore only individual PCT data for this quarter are published on the HPA website [8].

Area Teams (AT) and Child Health Records Departments (CHRDs) submitted data for all PCTs in England, however, data for three London PCTs have been omitted from this report due to data quality issues, and one PCT reported a data quality issue with five-year data, which have also been omitted from the analysis.

Coverage at 12 months

UK coverage at 12 months for DTaP/IPV/Hib3, MenC2 and PCV2 increased marginally compared to levels in the previous quarter and were 95.1% (0.2% increase), 94.6% (0.1% increase) and 95.0% (0.1% increase) respectively (table 1a) [1]. Country-specific comparisons for minimum coverage levels achieved for all three immunisations evaluated at 12 months show Scotland and Northern Ireland achieved at least 97% coverage, Wales at least 96% and England at least 94%; within England all but four ATs achieved at least 95% (tables 1a and 1b).

Within the UK, 126 of the 173 participating PCTs/HBs (73%) achieved at least 95% coverage at 12 months for DTaP/IPV/Hib3, 119 (69%) achieved 95% for two doses of PCV, and 113 (65%) for two doses of MenC vaccine.

Table 1a. UK completed primary immunisations at 12 months: April to June 2013 (January to March 2013)

Strategic Health Authorities (SHAs)/Country	PCT/HB/LHB *† (total)	DTaP/IPV/Hib3 %	MenC2 %	PCV2 %
English SHAs				
North East	12	97.0 (96.6)	96.4 (96.2)	96.5 (96.4)
North West	24	96.1 (95.2)	95.9 (95.1)	96.1 (95.2)
Yorkshire and Humber	14	96.2 (96.3)	95.6 (95.6)	96.0 (96.0)
East Midlands	9	96.6 (96.2)	96.0 (95.4)	96.3 (95.9)
West Midlands	17	94.7 (94.4)	94.3 (94.2)	94.6 (94.4)
East of England	13	96.2 (96.4)	95.8 (96.0)	95.9 (96.2)
London	28 ¥	90.1 (90.4)	89.2 (89.6)	90.3 (90.4)
South Central	9	95.7 (95.3)	95.0 (95.0)	95.6 (95.2)
South East Coast	8	93.2 (93.3)	92.8 (93.1)	92.8 (93.1)
South West	14	96.0 (96.1)	95.5 (95.7)	95.8 (96.0)
England (Total)	148 ¥	94.7 (94.5)	94.1 (94.1)	94.6 (94.4)
Wales	7	96.7 (96.5)	96.4 (96.3)	96.2 (96.1)
Northern Ireland	4	97.7 (97.4)	97.7 (97.4)	97.7 (97.4)
Scotland	14	97.6 (97.5)	97.3 (97.1)	97.7 (97.7)
United Kingdom	173 ¥	95.1 (94.9)	94.6 (94.5)	95.0 (94.8)

* Primary Care Trusts/health boards/health boards.

† Number of trusts reporting DTaP/IPV/Hib3 coverage.

¥ Three PCTs' data omitted due to data quality issues.

Table 1b. Completed primary immunisations at 12 months by Area Team, England: April to June 2013
(January to March 2013)

ENGLAND by Area Team (AT code)	Numbers of PCTs in AT	DTaP/IPV/Hib3 %	MenC2 %	PCV2 %
Cheshire, Warrington and Wirral (Q44)	4	96.6 (95.5)	96.7 (95.8)	97.0 (95.8)
Durham, Darlington and Tees (Q45)	6	96.9 (96.7)	96.6 (96.1)	96.4 (96.3)
Greater Manchester (Q46)	10	96.5 (96.7)	96.0 (96.3)	96.2 (96.7)
Lancashire (Q47)	5	94.7 (90.3)	94.5 (90.2)	94.2 (89.9)
Merseyside (Q48)	4	95.6 (95.8)	96.2 (96.1)	96.4 (96.0)
Cumbria, Northumberland, Tyne and Wear (Q49)	7	97.2 (96.8)	96.4 (96.5)	96.8 (96.7)
N Yorkshire and Humber (Q50)	5	96.5 (96.2)	96.0 (95.7)	96.5 (96.3)
S Yorkshire and Bassetlaw (Q51)	5	95.8 (95.6)	94.9 (94.5)	95.6 (95.4)
W Yorkshire (Q52)	5	96.1 (96.6)	95.7 (96.2)	95.9 (96.2)
Arden, Herefordshire and Worcestershire (Q53)	4	96.3 (96.3)	95.7 (96.0)	95.9 (96.1)
Birmingham and the Black Country (Q54)	8	92.6 (91.9)	92.2 (91.8)	92.6 (92.1)
Derbyshire and Nottinghamshire (Q55)	4	96.0 (95.9)	95.4 (94.9)	95.7 (95.6)
East Anglia (Q56)	5	95.7 (96.0)	95.3 (95.4)	95.3 (95.7)
Essex (Q57)	5	96.3 (96.6)	96.0 (96.5)	96.1 (96.5)
Hertfordshire and the S Midlands (Q58)	5	96.5 (96.7)	96.1 (96.2)	96.3 (96.6)
Leicestershire and Lincolnshire (Q59)	3	97.1 (96.2)	96.6 (95.4)	97.0 (95.9)
Shropshire and Staffordshire (Q60)	5	97.0 (97.3)	97.0 (97.4)	97.0 (97.2)
Bath, Gloucestershire, Swindon and Wiltshire (Q64)	4	95.9 (96.6)	95.3 (96.2)	95.5 (96.3)
Bristol, N Somerset, Somerset and S Gloucestershire (Q65)	4	96.4 (96.0)	95.9 (95.6)	96.5 (96.2)
Devon, Cornwall and Isles of Scilly (Q66)	4	95.6 (95.8)	95.2 (95.5)	95.4 (95.7)
Kent and Medway (Q67)	3	95.7 (96.4)	95.3 (96.1)	95.5 (96.3)
Surrey and Sussex (Q68)	5	91.6 (91.2)	91.1 (91.0)	91.1 (90.9)
Thames Valley (Q69)	4	95.7 (95.1)	94.6 (94.6)	95.4 (94.7)
Wessex (Q70)	6	95.9 (95.6)	95.6 (95.6)	95.9 (95.8)
London (Q71)	31	90.1 (90.4)	89.2 (89.6)	90.3 (90.4)

Coverage at 24 months

UK coverage of DTaP/IPV/Hib3 at 24 months remained at 96.6% compared to the previous quarter [1]. Surrey and Sussex (Q68) and London (Q71) are the only ATs with DTaP/IPV/Hib3 coverage below the 95% target at 92.1% and 93.7% respectively (table 2b).

Both UK PCV booster and Hib/MenC coverage increased compared to the last quarter and are now 93.2% and 93.4% respectively (table 2a) [1]. At least 92% coverage was achieved for both booster vaccines in all countries, and in all English ATs except Birmingham and the Black Country (Q54), Surrey and Sussex (Q68) and London (Q71).

Compared to the previous quarter, UK MMR coverage increased by 0.3% to 93.0% (table 2a) [1]. In Northern Ireland coverage is now over 96%, in Wales coverage increased a further 0.8% to 95.9% and in Scotland is 95.2%, making England, at 92.6%, the only country in the UK below the WHO 95% target (table 2a). Within England, 8 of the 25 ATs exceeded 95% (table 2b).

Country-specific comparisons for minimum coverage levels achieved for all four immunisations evaluated at 24 months show Wales, Northern Ireland and Scotland achieved at least 95% coverage and England at least 92% (table 2a); within England 8 ATs achieved at least 95% for all four immunisations (table 2b).

Within the UK, at least 95% coverage at 24 months was achieved by 148 of the 173 PCTs/HBs (86%) for DTaP/IPV/Hib3, 84 for Hib/MenC booster (49%), 77 (45%) for PCV booster, and 66 (38%) for MMR.

Table 2a. UK completed primary immunisations at 24 months by SHA and country: April to June 2013 (January to March 2013)

SHA/Country	PCT/HB* (total)	DTaP/IPV /Hib3 %	PCV booster%	Hib/MenC%	MMR1%
English SHAs					
North East	12	97.8 (97.7)	95.6 (95.1)	96.4 (95.7)	94.8 (94.1)
North West	24	97.4 (97.4)	94.7 (95.1)	94.5 (95.0)	94.7 (95.0)
Yorkshire and Humber	14	97.5 (97.6)	95.0 (95.4)	95.5 (95.2)	94.3 (94.2)
East Midlands	8	97.8 (97.7)	95.4 (94.8)	95.4 (94.9)	94.7 (94.1)
West Midlands	17	96.2 (96.6)	93.0 (93.0)	92.4 (91.8)	92.8 (92.8)
East of England	13	97.3 (96.8)	94.2 (94.1)	95.1 (94.9)	93.2 (92.9)
London	28 †	93.7 (93.4)	87.3 (86.3)	87.9 (87.0)	87.5 (86.6)
South Central	9	96.4 (96.3)	93.8 (93.4)	93.7 (93.2)	94.0 (93.4)
SE Coast	8	94.4 (94.9)	89.9 (91.1)	90.9 (91.8)	91.0 (91.7)
South West	14	97.3 (97.6)	94.2 (94.7)	93.2 (93.5)	93.7 (93.5)
England (total)	147 †	96.3 (96.3)	92.8 (92.6)	92.9 (92.7)	92.6 (92.2)
Wales	7	97.4 (97.7)	95.8 (95.8)	94.9 (95.1)	95.9 (95.1)
North. Ireland	4	98.7 (98.4)	96.2 (95.8)	96.4 (95.9)	96.1 (95.3)
Scotland	14	98.3 (98.4)	95.8 (95.8)	96.0 (95.9)	95.2 (95.3)
UK	172 †	96.6 (96.6)	93.2 (93.1)	93.4 (93.1)	93.0 (92.7)

* Primary Care Trusts/health boards/health boards.

† Three PCTs' data omitted due to data quality issues.

Table 2b. Completed primary immunisations at 24 months by Area Team, England: April to June 2013
(January to March 2013)

ENGLAND Area Team (AT) code*	Numbers of PCTs in AT	DTaP/IPV/Hib3 %	PCV booster %	Hib/MenC %	MMR %
Q44	4	97.9 (98.0)	95.1 (95.5)	95.9 (96.1)	95.2 (95.3)
Q45	6	97.5 (97.1)	95.2 (94.2)	95.6 (94.6)	94.2 (93.2)
Q46	10	97.4 (97.7)	94.6 (95.3)	94.0 (94.8)	94.9 (95.3)
Q47	5	96.6 (96.7)	92.9 (93.3)	92.6 (83.4)	92.4 (83.1)
Q48	4	97.2 (96.7)	95.9 (95.6)	95.8 (95.8)	95.6 (95.3)
Q49	7	98.2 (98.3)	96.1 (96.1)	96.8 (96.7)	95.7 (95.3)
Q50	5	97.5 (97.5)	95.5 (95.4)	95.0 (95.0)	95.3 (94.8)
Q51	5	96.9 (97.1)	93.6 (94.9)	95.0 (94.6)	92.1 (92.9)
Q52	5	97.9 (97.9)	95.5 (95.6)	96.1 (95.7)	94.7 (94.5)
Q53	4	98.0 (98.0)	96.2 (95.6)	95.7 (94.8)	96.0 (96.0)
Q54	8	94.2 (95.2)	89.2 (90.1)	88.1 (88.5)	89.6 (90.0)
Q55	4	97.7 (97.7)	94.4 (93.9)	94.9 (94.7)	94.0 (93.4)
Q56	5	97.1 (96.6)	94.2 (93.3)	94.2 (94.1)	92.6 (92.5)
Q57	5	97.3 (97.1)	93.0 (94.0)	95.2 (95.5)	92.3 (92.7)
Q58	5	97.4 (97.1)	95.4 (95.6)	95.7 (95.3)	94.7 (93.8)
Q59	3	98.1 (97.7)	95.6 (94.7)	95.8 (94.6)	95.2 (94.5)
Q60	5	98.1 (98.0)	97.1 (95.9)	97.5 (95.3)	95.7 (95.1)
Q64	4	97.3 (97.8)	94.4 (96.0)	94.2 (94.8)	94.4 (95.4)
Q65	4	97.0 (97.4)	93.6 (93.2)	92.1 (91.9)	93.0 (92.3)
Q66	4	97.3 (97.4)	94.1 (94.4)	93.1 (93.5)	93.6 (92.7)
Q67	3	98.2 (97.9)	95.4 (95.6)	95.2 (95.4)	95.6 (95.3)
Q68	5	92.1 (93.1)	86.5 (88.3)	88.3 (89.6)	88.2 (89.5)
Q69	4	96.4 (96.4)	93.8 (93.2)	94.1 (92.9)	94.1 (93.3)
Q70	6	96.8 (96.5)	94.4 (94.2)	93.7 (93.9)	94.1 (93.8)
Q71	31	93.7 (93.4)	87.3 (86.3)	87.9 (87.0)	87.5 (86.6)

* See table 1b for key to Area Team organisational code

Coverage at five years

UK coverage at five years for primary course DTP/Pol3 remained at 96.6% compared to the previous quarter, with all countries and all but two English ATs (Surrey and Sussex (Q68), and London (Q71)) achieving at least 95% coverage [1] (tables 3a and 3b).

UK coverage of MMR1 at five years increased by 0.4% to 94.8% and all countries and all but one English AT achieved at least 90%. Scotland, Northern Ireland, Wales and 15 English ATs achieved at least 95% coverage. UK coverage for MMR2 also increased, by 0.4% to 89% compared to the previous quarter, with Northern Ireland, Scotland and 17 English ATs achieving at least 90% (tables 3a and 3b).

Coverage of UK DTaP/IPV booster coverage increased 0.2% to 89.8% with all countries, and all but five English ATs achieving at least 90% coverage.

The five-year birth cohort evaluated this quarter (born between April and June 2008) were the eighth to have had all their primary immunisations scheduled according to the revised schedule from September 2006 when Hib/MenC booster was included for the first time [4]. UK coverage of Hib/MenC increased by 0.2% to 92.8% compared to the previous quarter [1] (table 3a).

Table 3a. UK completed primary immunisations and boosters at five years by SHA and country: April to June 2013 (January to March 2013)

SHA/ country	PCT/ HB*	Primary		Booster		
		DTaP/ Hib %	MMR1 %	MMR2 %	DTaP/ IPV %	Hib/ MenC
English SHAs						
North East	12	97.8 (97.9)	96.5 (96.4)	92.7 (91.5)	93.2 (92.5)	95.1 (94.9)
North West	24	97.2 (97.3)	96.2 (96.1)	91.1 (91.0)	91.6 (91.7)	92.9 (92.7)
Yorkshire & Humber	14	97.2 (97.4)	95.7 (95.6)	91.2 (90.9)	91.9 (91.9)	95.4 (95.3)
East Midlands	9	97.3 (97.3)	95.7 (95.4)	91.2 (89.9)	92.8 (92.5)	94.2 (94.7)
West Midlands	16 ‡	96.9 (97.0)	95.3 (95.3)	89.2 (89.1)	90.4 (90.2)	93.2 (93.4)
East of England	13	96.3 (96.4)	94.0 (93.7)	89.9 (89.3)	91.3 (91.1)	93.6 (94.2)
London	28 †	93.5 (92.9)	91.6 (90.2)	81.2 (80.4)	80.5 (79.8)	88.7 (87.2)
South Central	9	96.0 (96.1)	94.6 (94.6)	89.7 (89.7)	90.6 (90.7)	92.2 (92.6)
Sth. East Coast	8	93.4 (93.8)	91.9 (91.5)	84.7 (86.0)	86.8 (88.2)	87.9 (88.1)
South West	14	96.9 (97.3)	95.1 (95.2)	89.8 (89.5)	91.5 (91.5)	93.3 (93.1)
England (total)	147 †‡	96.0 (96.0)	94.4 (94.0)	88.4 (88.0)	89.2 (89.0)	92.3 (92.1)
Wales	7	97.2 (97.1)	96.9 (96.1)	92.2 (90.4)	92.7 (92.2)	94.0 (94.2)
North. Ireland	4	98.4 (98.3)	97.7 (97.2)	92.4 (91.4)	93.3 (92.4)	96.1 (95.8)
Scotland	14	98.6 (98.5)	97.4 (97.0)	92.7 (92.1)	93.6 (93.2)	96.4 (95.8)
UK	172 †‡	96.3 (96.3)	94.8 (94.4)	89.0 (88.5)	89.8 (89.6)	92.8 (92.6)

* Primary Care Trusts/health boards/health boards.

† Three PCTs' data omitted due to data quality issues.

‡ One PCT's data omitted due to data quality issues.

Table 3b. Completed primary immunisations and boosters by Area Team: April to June 2013 (January to March 2013)

ENGLAND Area Team (AT) code*	Number of PCTs in AT	Primary		Booster		
		DTaP/ Hib %	MMR1 %	MMR2 %	DTaP/ IPV %	Hib/ MenC
Q44	4	97.1 (96.2)	95.9 (95.1)	90.6 (89.7)	91.7 (90.6)	94.1 (93.5)
Q45	6	97.6 (97.4)	96.7 (96.4)	92.1 (90.8)	92.4 (91.9)	94.8 (95.1)
Q46	10	96.9 (97.3)	95.9 (96.3)	92.1 (92.3)	92.6 (93.0)	91.7 (91.8)
Q47	5	97.3 (97.5)	96.1 (95.7)	88.2 (88.1)	88.4 (88.5)	94.5 (94.1)
Q48	4	97.4 (97.9)	96.8 (97.1)	901.5 (91.7)	91.6 (92.4)	92.8 (92.8)
Q49	7	98.1 (98.3)	96.5 (96.5)	93.3 (92.3)	93.9 (93.3)	94.8 (94.1)
Q50	5	97.0 (97.1)	94.8 (94.8)	91.5 (90.6)	92.0 (92.1)	94.0 (93.5)
Q51	5	96.7 (97.1)	95.5 (95.0)	89.8 (89.1)	90.8 (89.9)	95.4 (96.1)
Q52	5	97.6 (97.8)	96.4 (96.3)	91.8 (91.8)	92.5 (92.2)	96.0 (95.9)
Q53	4	97.6 (97.3)	96.6 (96.3)	93.2 (92.0)	94.8 (93.4)	92.1 (91.9)
Q54	8	95.8 (96.3)	93.9 (94.4)	85.3 (85.7)	85.9 (86.5)	92.0 (92.6)
Q55	4	97.5 (97.4)	95.4 (95.4)	90.2 (88.7)	90.0 (89.9)	93.9 (95.4)
Q56	5	95.8 (96.0)	93.6 (93.4)	87.5 (87.3)	89.3 (88.8)	91.5 (93.1)
Q57	5	97.3 (97.0)	94.6 (94.2)	91.2 (90.1)	92.4 (92.3)	95.8 (95.5)
Q58	5	96.1 (96.5)	94.4 (93.9)	91.5 (91.1)	92.7 (92.8)	94.0 (94.4)
Q59	3	97.5 (97.5)	96.2 (95.8)	92.0 (90.9)	95.5 (95.4)	94.6 (93.9)
Q60	5	98.0 (97.9)	96.3 (96.1)	91.9 (92.2)	93.4 (93.8)	96.4 (96.5)
Q64	4	96.0 (96.5)	94.9 (95.2)	90.0 (91.1)	91.5 (93.0)	92.7 (92.0)
Q65	4	97.2 (97.6)	94.9 (95.3)	88.8 (88.6)	90.8 (90.8)	83.4 (93.7)
Q66	4	97.1 (97.3)	95.6 (95.2)	90.7 (88.9)	92.3 (90.6)	92.8 (92.7)
Q67	3	96.6 (96.6)	95.4 (95.7)	91.5 (92.2)	94.0 (94.8)	94.2 (94.4)
Q68	5	91.6 (92.1)	89.8 (88.9)	80.9 (82.2)	82.6 (84.1)	84.3 (84.2)
Q69	4	95.9 (96.0)	95.0 (95.1)	89.3 (89.8)	90.2 (90.8)	93.5 (93.9)
Q70	6	96.4 (96.5)	94.3 (94.4)	90.1 (89.7)	91.2 (90.9)	91.8 (92.0)
Q71	31	93.5 (92.9)	91.6 (90.2)	81.2 (80.4)	80.5 (79.8)	88.7 (87.2)

* See table 1b for key to Area Team organisational code

Relevant links for country-specific coverage data

England

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

Northern Ireland

<http://www.publichealthagency.org/directorate-public-health/health-protection/vaccination-coverage>

Scotland

<http://www.isdscotland.org/Health-Topics/Child-Health/Immunisation/>

Wales

<http://www.wales.nhs.uk/sitesplus/888/page/43510>

Other relevant links

http://www.hpa.org.uk/infections/topics_az/cover/default.htm

References

1. Health Protection Agency. Vaccination coverage statistics for children up to the age of five years in the United Kingdom, January to March 2013. *HPR* 7(26): immunisation. Available at: <http://www.hpa.org.uk/hpr/archives/2013/hpr2613.pdf>.
 2. HSCIC. NHS Immunisation Statistics, England 2012-13. V1.0. Health and Social Care Information Centre. 26 September 2013. Available from: <http://www.hscic.gov.uk/catalogue/PUB11665>.
 3. Department of Health. National screening and immunisation programmes. Letter setting out the agreement between the Department of Health, Public Health England and the NHS Commissioning Board 23 August 2012. Available from: <http://www.dh.gov.uk/health/2012/08/screening-immunisation-programmes/>.
 4. Public Health Outcomes Framework 2013 to 2016 and technical updates. Available from: <https://www.gov.uk/government/publications/healthy-lives-healthy-people-improving-outcomes-and-supporting-transparency>.
 5. Health Protection Agency. Quarterly COVER Reports: United Kingdom. Available from: <http://www.hpa.org.uk/hpr/archives/Infections/2013/immunisation13.htm>.
 6. Department of Health. Vaccinations at 12 and 13 months of age. Letter from the Chief Medical Officer (interim), the Chief Nursing Officer and the Chief Pharmaceutical Officer 17 November 2010. PL/CMO/2010/3, PL/CNO/2010/4, PL/CPHO/2010/2. Available at: http://www.dh.gov.uk/prod_consum_dh/groups/dh_digitalassets/documents/digitalasset/dh_121840.pdf
 7. Department of Health. Important changes to the childhood immunisation programme. PL CMO (2006) 1. Available online at: http://www.dh.gov.uk/en/Publicationsandstatistics/Lettersandcirculars/Professionalletters/Chiefmedicalofficerletters/DH_4137171
 8. Health Protection Agency. Methods of collection and publication of data for the COVER programme. Legacy HPA website: Home › Topics › Infectious Diseases › Infections A-Z › Vaccine coverage and COVER (Cover of Vaccination Evaluated Rapidly) › [COVER Methods](#).
-