

# Publication Report



## **HPV Immunisation Uptake Statistics**

**HPV Immunisation Programme – School Year 2011/12**

**Publication date – 25 September 2012**

## Contents

Contents.....	1
Introduction .....	2
Monitoring Immunisation Uptake Rates.....	2
Definitions.....	3
Key points .....	4
Results and Commentary.....	5
Uptake rates by the end of the school year .....	5
Updated uptake rates one year later .....	5
Trends in uptake rates one year later .....	8
Trends in uptake rates by the end of the school year .....	8
Uptake rates by NHS Board .....	10
Uptake rates in the UK .....	13
Glossary.....	14
List of Tables.....	15
Contact.....	16
Further Information.....	16
Appendix .....	17
A1 – Background Information .....	17
A2 – Publication Metadata (including revisions details).....	19
A3 – Early Access details (including Pre-Release Access) .....	21
A4 – ISD and Official Statistics.....	22

## Introduction

The Human Papillomavirus (HPV) vaccine is designed to protect against the two types of HPV that cause around 70% of cases of cervical cancer. Girls need three doses over a period of six months to give them the best protection. The HPV vaccine does not protect against all cervical cancers, so regular cervical screening is still important. Until September 2012 the HPV vaccine used routinely in the UK immunisation programme was Cervarix®. In September 2012 the programme switched to Gardasil®. This vaccine also protects against two other types of HPV that cause around 90% of the cases of genital warts.

The HPV Immunisation Programme in Scotland started on 1 September 2008. The programme aims to help protect girls against developing cervical cancer later in life by routinely immunising them at around 12-13 years of age, in second year of secondary school (S2), through a school-based programme.

A catch-up campaign for older girls ran over a three-year period from September 2008 and applied to girls who were aged 13 to under 18 on 1 September 2008.

## Monitoring Immunisation Uptake Rates

Immunisation uptake (sometimes referred to as coverage) refers to the proportion of the eligible population who have received the recommended doses of the relevant vaccines. Monitoring the proportion of the eligible population vaccinated is a key measure of the immunisation programme performance. It is of public health concern should immunisation rates decrease, as this makes the possibility of disease transmission more likely.

HPV immunisation uptake rates for the S2 routine cohort in Scotland are published annually in September. Each release includes the following information:

- Uptake rates for the latest routine cohort of girls in S2 who were offered HPV immunisation in the previous school year. It is important to note that these reported rates show the level of uptake *by the end of the school year* and are not 'final' uptake rates for these cohorts of girls.
- Girls in S2 who do not complete all three doses of HPV immunisations during the school year are offered the opportunity to complete their immunisation course in the following school year. 'Final' uptake rates 'one year later' for the previous years' S2 cohort are published each year to show the increase in uptake rates for these girls as time progresses, for the third dose in particular.

This release presents:

1. Uptake rates by the end of the school year for girls in S2 routinely offered HPV immunisation in school year 2011/12.
2. 'Final' uptake rates one year later for girls who were first offered HPV immunisation as part of the S2 routine cohort in school year 2010/11.
3. Trends in HPV immunisation uptake for girls in S2:
  - a) at the end of the relevant school year
  - b) one year later

Data are presented by NHS Board and Community Health Partnership (CHP). HPV immunisation uptake rates are derived from data recorded on the Scottish Immunisation and Recall System (SIRS) and the Child Health Systems Programme School system (CHSP School). For information on data collection, quality and methods see [Appendix A1](#).

## Definitions

**Immunisation:** the process whereby a person is made immune or resistant to an infectious disease, typically by the administration of a vaccine. Vaccines stimulate the immune system to protect a person against subsequent infection or disease.

**Immunised:** To be fully immunised against a particular disease an individual must have received all required doses of the relevant vaccine. Detailed information about the current immunisation programmes in Scotland, the vaccines available, and the diseases they protect against, can be found via the [NHS Health Scotland Immunisation website](#).

**S2 routine cohort:** girls in second year of secondary school (S2) i.e. aged around 12 to 13 years of age. This is the group of girls who are routinely offered HPV immunisation each year.

**Uptake rates:** Uptake rates, sometimes referred to as coverage, relate to the number of persons immunised against a particular disease as a proportion of the population eligible to have received the vaccine.

HPV immunisation uptake rates for the S2 routine cohort are calculated as follows:

$$\frac{\text{Total number of eligible girls immunised}}{\text{Total number of eligible girls in the population (the S2 routine cohort)}} \times 100$$

## Key points

- In Scotland 82.8% of girls in S2 in school year 2011/12 had completed the three dose course of HPV immunisations by the end of the school year. 91.7% had received two doses and 93.1% had received one dose. These uptake rates are slightly higher than the equivalent rates reported at the end of the school year for girls in S2 in the previous year, 2010/11. Data for the first three years of the HPV immunisation programme show that a number of girls in S2 complete their immunisation course after the end of the school year in which they were first offered the vaccine. Therefore reported uptake rates for each S2 routine cohort increase as time progresses, for the third dose in particular. 'Final' uptake rates for these girls will be published in September 2013.
- For girls in S2 during school year 2010/11, uptake rates were 81.0% for all three doses, 90.2% for two doses and 91.8% for the first dose by the end of the school year (as reported in the annual publication in September 2011). One year on, the uptake rates for these girls have increased to 90.1% for all three doses, 92.0% for two doses and 92.9% for one dose.

## Results and Commentary

### Uptake rates by the end of the school year

In Scotland 82.8% of girls in S2 in school year 2011/12 had completed the three dose course of HPV immunisations by the end of the school year. 91.7% had received two doses and 93.1% had received one dose. These uptake rates are slightly higher than the equivalent reported rates for girls in S2 in the previous school year, 2010/11 (81.0% three doses, 90.2% two doses and 91.8% one dose by the end of the school year). Data for the first three years of the HPV immunisation programme show that a number of girls in S2 complete their immunisation course after the end of the school year in which they were first offered the vaccine. Therefore, the reported uptake rates for girls in S2 during school year 2011/12 are expected to increase, for the third dose in particular. Updated uptake rates for these girls 'one year later' will be published in September 2013. This is discussed in the section below.

### Updated uptake rates one year later

Girls in S2 who do not start or complete all three doses of HPV immunisations during the school year are offered the opportunity to complete their immunisation course in the following school year. This means uptake rates for each S2 cohort increase (for the third dose in particular) as time progresses as shown in Table 1 and Figures 1, 2 and 3. For girls in S2 during school year 2010/11, uptake rates were 81.0% for all three doses, 90.2% for two doses and 91.8% for the first dose by the end of the school year, as reported in the annual publication in September 2011. Now, one year on, the uptake rates for these girls have increased by 9.1 percentage points to 90.1% for all three doses, by 1.8 percentage points to 92.0% for two doses, and 1.1 percentage points to 92.9% for one dose. A few girls who had previously declined HPV immunisation during S2 or the following year will present for HPV immunisation at a later stage and therefore uptake rates for these cohorts will continue to increase marginally over time.

**Table 1: Annual HPV immunisation uptake rates for the S2 routine cohort by the end of the school year and one year later; school years 2008/09 to 2011/12**

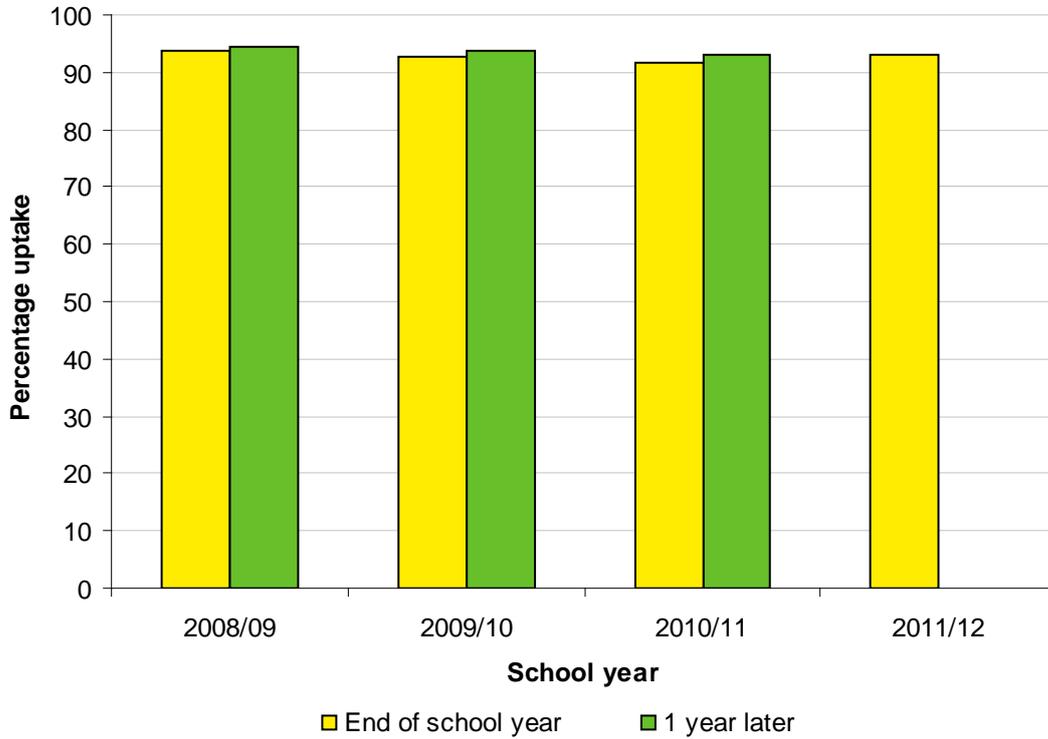
Year	% Uptake Dose 1		% Uptake Dose 2		% Uptake Dose 3	
	End of school year	1 year later	End of school year	1 year later	End of school year	1 year later
2008/09	93.7	94.5	92.7	93.8	89.4	92.4
2009/10	92.6	93.6	91.1	92.5	86.9	90.9
2010/11	91.8	92.9	90.2	92.0	81.0	90.1
2011/12	93.1	..	91.7	..	82.8	..

1. Girls recorded on CHSP-School as being in class year S2 during the school year indicated. These girls were in the second year of secondary school and were around 12 to 13 years of age.

.. These figures will be published in September 2013.

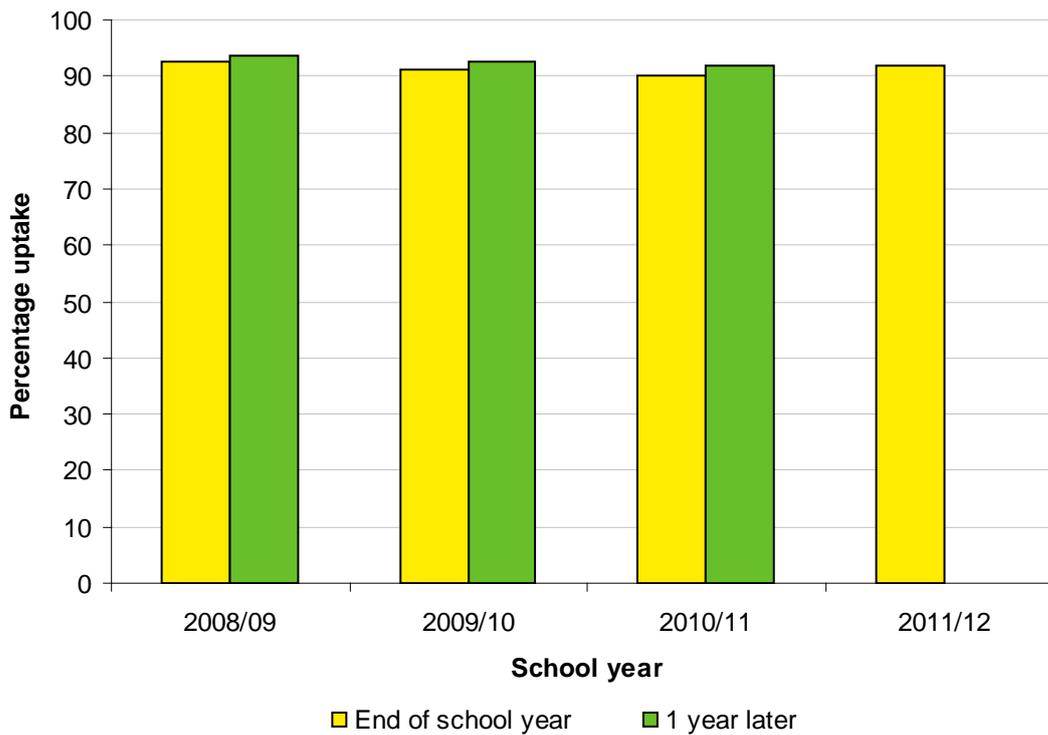
Source: CHSP School (May 2009 to 2012)/SIRS (August 2009 to 2012)

**Figure 1: Comparison of S2 routine cohort HPV immunisation uptake rates by the end of school year and one year later - Dose 1**



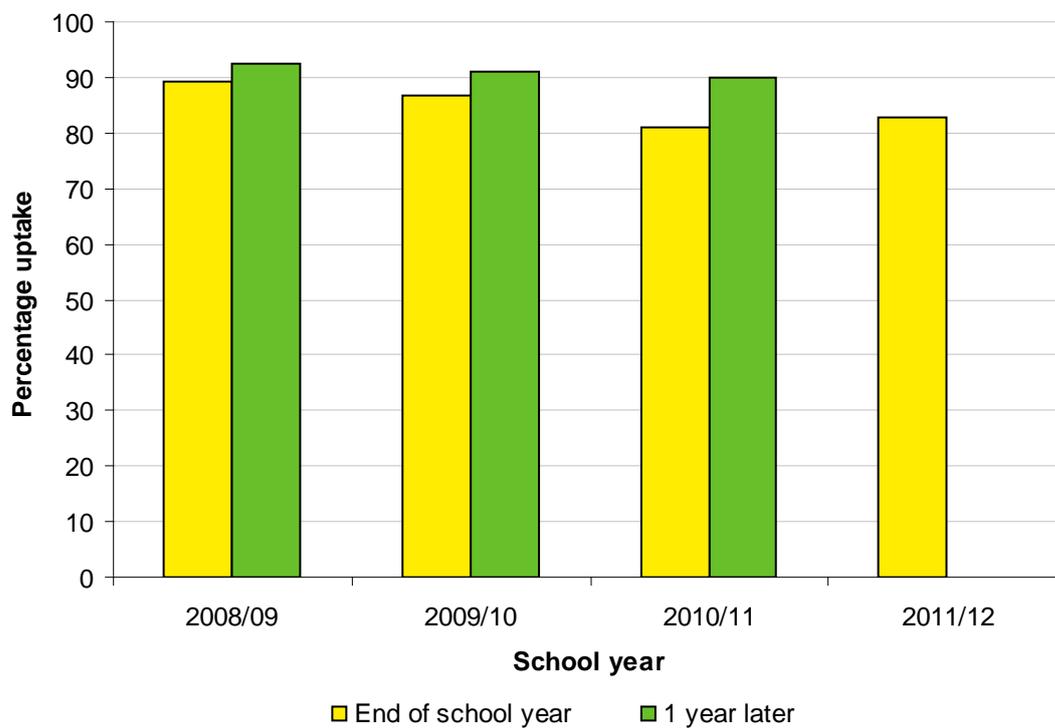
Source: CHSP School (May 2009 to 2012)/SIRS (August 2009 to 2012)

**Figure 2: Comparison of S2 routine cohort HPV immunisation uptake rates by the end of school year and one year later - Dose 2**



Source: CHSP School (May 2009 to 2012)/SIRS (August 2009 to 2012)

**Figure 3: Comparison of S2 routine cohort HPV immunisation uptake rates by the end of school year and one year later - Dose 3**

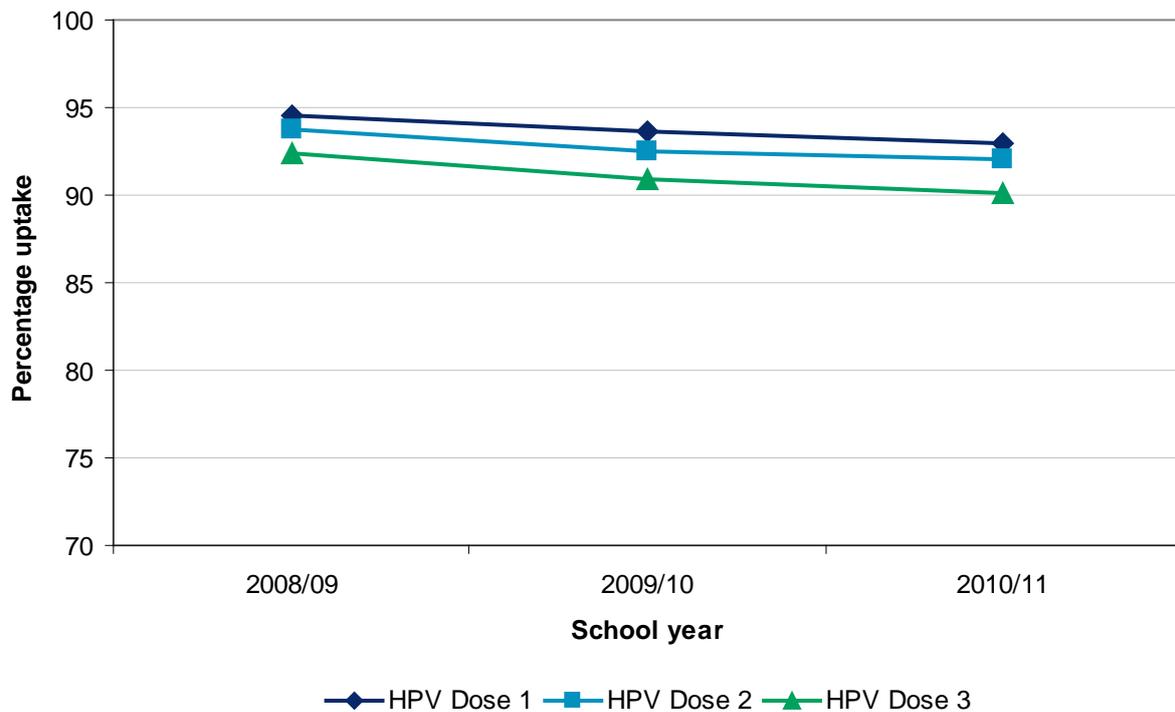


Source: CHSP School (May 2009 to 2012)/SIRS (August 2009 to 2012)

### Trends in uptake rates one year later

HPV immunisation uptake rates for the S2 routine cohort have been high in Scotland since the immunisation programme began in school year 2008/09. Figure 4 shows the trend in 'final' uptake rates for each routine cohort, one year on from the end of the school year when first offered immunisation. The 2008/09 S2 routine cohort had the highest uptake of each of the doses. In each subsequent year, uptake rates of each of the doses decreased slightly. However for all annual cohorts 'final' uptake of all three doses is high, exceeding 90% (92.4% in 2008/09, 90.9% in 2009/10 and 90.1% in 2010/11). One of the possible reasons that uptake was slightly higher in 2008/09 is the high level of publicity which accompanied the launch and first year of the programme, thereby raising the awareness of HPV immunisation among the target group of eligible girls and their parents/carers.

**Figure 4: Trends in HPV immunisation uptake rates for the S2 routine cohort one year later**

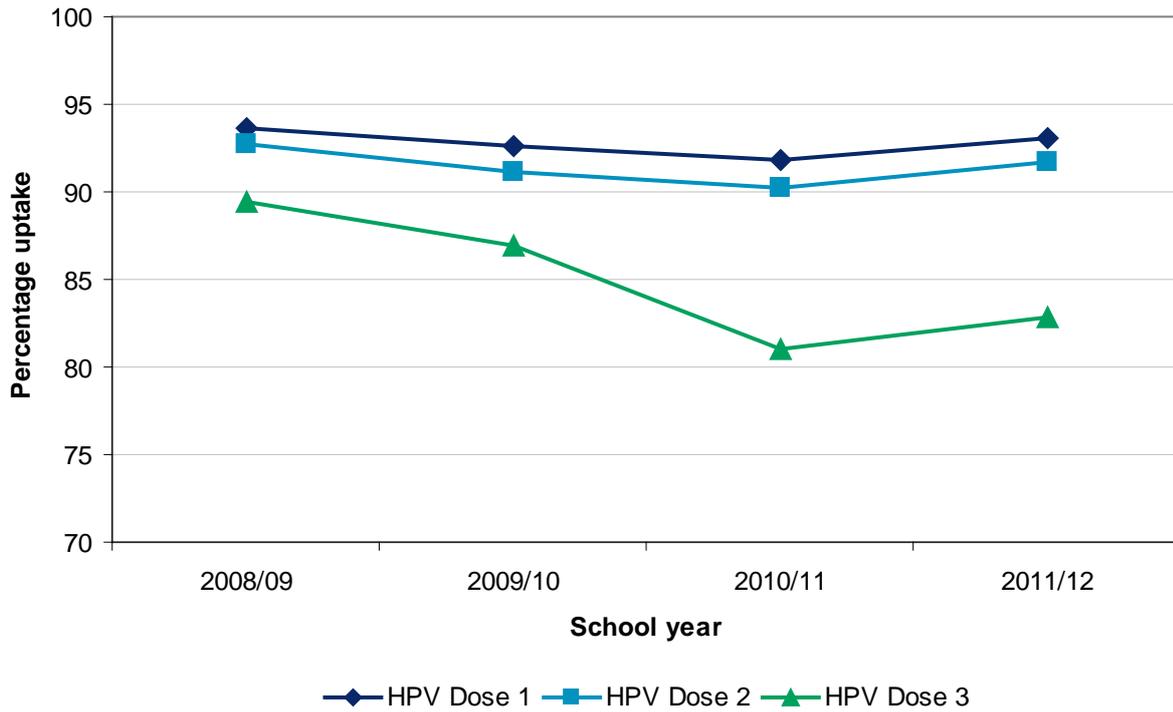


### Trends in uptake rates by the end of the school year

Figure 5 presents the trend in uptake rates by the end of the school year in which each cohort was first offered immunisation. Again the highest uptake rates are observed in the first year of the programme (2008/09). There was a noticeable fall in uptake rates for all three doses by the end of the school year in 2010/11 compared to the previous year (81.0% in 2010/11 compared to 86.9% in 2009/10). This is probably attributable to some NHS Boards reducing the number of HPV immunisation sessions held each year in schools. This may have meant that girls who missed the initial vaccination sessions at the beginning of the school year were less likely than in previous years to be able to complete the full three dose course during that school year. However these girls are offered the

chance to complete their course during the following school year (when they are in S3). The published figures show that although uptake rates of all three doses by the end of the school year was noticeably lower in 2010/11 than in 2009/10 (5.9 percentage points lower), one year later there was only a small difference of 0.8 percentage points in the level of uptake (rates were 90.1% in 2010/11 compared to 90.9% in 2009/10). Uptake rates for the S2 routine cohort in 2011/12 by the end of the school year are higher than the reported rates for the routine cohort in 2010/11 at the same stage.

**Figure 5: Trends in HPV immunisation uptake rates for the S2 routine cohort by the end of the school year**



## Uptake rates by NHS Board

Table 2 shows uptake rates of all three doses for the routine S2 cohort in 2010/11 at the end of the school year and 'final' uptake rates one year later. There is some variation across the fourteen NHS Boards in Scotland in 'final' uptake rates in 2010/11; six NHS Boards had uptake rates above 90% and a further seven had uptake rates above 87%. NHS Ayrshire & Arran and NHS Dumfries and Galloway had the highest uptake rates in Scotland at 91.7%. NHS Western Isles had the lowest uptake rate in Scotland at 82.7%.

Table 2 also shows that for the same 2010/11 routine cohort there was more variation across NHS Boards in uptake rates observed at the end of the school year compared with one year later. For example, NHS Dumfries & Galloway, along with NHS Shetland, had the lowest uptake rate of 72.0% for all three doses when first reported at the end of school year. The highest uptake rate in Scotland at this stage was in NHS Ayrshire & Arran at 88.5%. However one year later there was less variation in uptake rates across NHS Boards. Uptake rates in NHS Dumfries & Galloway had increased to 91.7%, the highest uptake rate in Scotland along with NHS Ayrshire & Arran. The reason some NHS Boards have relatively lower uptake rates by the end of school year is probably because these Boards hold fewer HPV immunisation sessions during the school year than in some other NHS Boards. However, as girls who are not fully immunised are invited to complete their course in the following year, uptake rates in Boards with lower uptake at the end of the school year tend to increase more during the following year. Therefore when comparing uptake rates in NHS Boards, it is important to note that Boards with relatively lower uptake rates by the end of the school year will not necessarily have lower 'final' uptake rates one year on.

**Table 2: Annual HPV immunisation uptake rates for the S2 routine cohort by the end of the school year and one year later, by NHS board; school year 2010/11<sup>1</sup>**

<b>NHS Board<sup>2</sup></b>	<b>Number of girls in cohort<sup>3</sup></b>	<b>% uptake of 3rd dose by end of school year (as reported at Sept 2011)</b>	<b>% uptake of 3rd dose by one year later (as reported at Sept 2012)</b>
Ayrshire & Arran	2070	88.5	91.7
Borders	673	77.9	90.6
Dumfries & Galloway	820	72.0	91.7
Fife	1976	78.1	88.8
Forth Valley	1735	82.0	90.5
Grampian	3007	83.3	89.9
Greater Glasgow & Clyde <sup>4,5</sup>	6619	78.7	91.4
Highland <sup>5</sup>	1732	82.2	87.6
Lanarkshire <sup>4</sup>	3386	85.4	89.4
Lothian	4187	74.5	89.2
Orkney	106	87.7	87.7
Shetland	164	72.0	88.4
Tayside	2278	88.4	90.9
Western Isles	133	80.5	82.7
<b>Scotland<sup>5</sup></b>	<b>28932</b>	<b>81.0</b>	<b>90.1</b>

Source: CHSP School (May 2011)/SIRS (August 2011/2012)

1. Uptake rates are based on immunisations recorded on the CHSP School system and SIRS as at 13 August 2012.
2. NHS Board of school as recorded on CHSP School.
3. Girls recorded on CHSP-School as being in class year S2 as at 14 May 2012. These girls were in the second year of secondary school (during school year 2011/12) and were around 12 to 13 years of age.
4. NHS Lanarkshire is delivering the HPV immunisation programme to schools in Cambuslang and Rutherglen, however data for Cambuslang and Rutherglen are recorded/shown under NHS Greater Glasgow & Clyde on CHSP School.
5. NHS Argyll & Clyde ceased to exist on 31st March 2006 and the administration was split between two sub-areas that now fall under the administration of NHS Greater Glasgow and Clyde and NHS Highland respectively. For the calculation of uptake rates, HPV immunisation data recorded on CHSP School under the former NHS Argyll & Clyde are allocated to their current NHS Board area using child's postcode. There are a small number of records which do not have a postcode recorded and therefore for statistical purposes, NHS Board is unknown. These records are included in the Scotland cohort and uptake rates and therefore the sum of the cohorts for all NHS Boards does not equate to the total cohort for Scotland.

Table 3 shows uptake rates by the end of the school year for the S2 routine cohort in the most recent school year, 2011/12. Uptake rates of all three doses range from 71.5% in NHS Dumfries & Galloway to 89.7% in NHS Tayside however data from previous years of the programme suggest these differences between Boards are mostly temporary. As noted above, by the time 'final' uptake rates one year on are reported it is expected there will be considerably less variation. Boards which had relatively lower uptake rates by the end of the school year will not necessarily have lower 'final' uptake rates one year on. This is because girls who have not started or completed their course of immunisations when in S2 are invited to do so during the following school year.

**Table 3: Annual HPV immunisation uptake rates for the S2 routine cohort by the end of the school year, by NHS board; school year 2011/12<sup>1</sup>**

<b>NHS Board<sup>2</sup></b>	<b>Number of girls in cohort<sup>3</sup></b>	<b>Number 1st dose</b>	<b>% uptake of 1st dose</b>	<b>Number 2nd dose</b>	<b>% uptake of 2nd dose</b>	<b>Number 3rd dose</b>	<b>% uptake of 3rd dose</b>
Ayrshire and Arran	1 999	1 850	92.5	1 835	91.8	1 768	88.4
Borders	564	532	94.3	522	92.6	491	87.1
Dumfries and Galloway	783	737	94.1	717	91.6	560	71.5
Fife	1 937	1 792	92.5	1 758	90.8	1 610	83.1
Forth Valley	1 692	1 557	92.0	1 525	90.1	1 273	75.2
Grampian	2 902	2 703	93.1	2 684	92.5	2 496	86.0
Greater Glasgow & Clyde <sup>4,5</sup>	6 290	5 933	94.3	5 844	92.9	5 146	81.8
Highland <sup>5</sup>	1 739	1 587	91.3	1 559	89.6	1 443	83.0
Lanarkshire <sup>4</sup>	3 371	3 185	94.5	3 145	93.3	2 988	88.6
Lothian	4 250	3 883	91.4	3 810	89.6	3 214	75.6
Orkney	99	87	87.9	86	86.9	86	86.9
Shetland	132	122	92.4	121	91.7	113	85.6
Tayside	2 175	2 041	93.8	2 020	92.9	1 951	89.7
Western Isles	161	145	90.1	144	89.4	139	86.3
<b>Scotland<sup>5</sup></b>	<b>28 140</b>	<b>26 194</b>	<b>93.1</b>	<b>25 809</b>	<b>91.7</b>	<b>23 312</b>	<b>82.8</b>

Source: CHSP School (May 2012)/SIRS (August 2012)

1. Uptake rates are based on immunisations recorded on the CHSP School system and SIRS as at 13 August 2012.
2. NHS Board of school as recorded on CHSP School.
3. Girls recorded on CHSP-School as being in class year S2 as at 14 May 2012. These girls were in the second year of secondary school (during school year 2011/12) and were around 12 to 13 years of age.
4. NHS Lanarkshire is delivering the HPV programme to schools in Cambuslang and Rutherglen, however data for Cambuslang and Rutherglen are recorded/shown under NHS Greater Glasgow & Clyde on CHSP School.
5. NHS Argyll & Clyde ceased to exist on 31st March 2006 and the administration was split between two sub-areas that now fall under the administration of NHS Greater Glasgow and Clyde and NHS Highland respectively. For the calculation of uptake rates, HPV immunisation data recorded on CHSP School under the former NHS Argyll & Clyde are allocated to their current NHS Board area using child's postcode. There are a small number of records which do not have a postcode recorded and therefore for statistical purposes, NHS Board is unknown. These records are included in the Scotland cohort and uptake rates and therefore the sum of the cohorts for all NHS Boards does not equate to the total cohort for Scotland.

HPV immunisation uptake rates are also available by Community Health Partnership (CHP). For the full list of information available see [List of Tables. HPV immunisation uptake rates](#) for the catch-up programme and previously published HPV immunisation uptake statistics are also available.

## Uptake rates in the UK

Annual HPV immunisation uptake rates in Scotland for the S2 routine cohort of girls compare favourably with the rest of the UK. The latest comparable annual figures available for all countries in the UK are for the 2010/11 routine cohort of girls aged around 12 to 13 years. By mid-August 2012, uptake for the 2010/11 routine cohort one year on from the year in which these girls were initially offered immunisation had reached 90.1% for all three doses, 92.0% for two doses and 92.9% for one dose. The figures published for other countries in the UK are shown below.

### England

[Annual uptake figures for the 2010/11 routine cohort in England](#), published in March 2012, show uptake in England reached 84.2% for all three doses, 87.5% for two doses and 88.9% for one dose.

### Wales

[Annual HPV immunisation uptake figures for the 2010/11 routine cohort in Wales](#), published in June 2012, show uptake reached 85.5% for all three doses, 88.1% for two doses and 89.1% for one dose.

### Northern Ireland

[HPV immunisation uptake rates for the 2010/11 routine cohort in Northern Ireland](#) published in January 2012 show uptake of all three doses reached 84.6%.

In subsequent publications by the other countries in the UK, the reported annual uptake rates for the 2010/11 cohort may increase due to 'mop up' immunisations i.e. where girls are given HPV immunisation in the school year after the year in which they were first offered the vaccine as part of the routine cohort. For the previous annual routine cohort for school year 2009/10, England and Northern Ireland have published updated uptake rates to reflect the increase in uptake as time progresses due to mop up immunisations. Updated uptake of all three doses for the routine cohort in school year 2009/10 was 80.9% in England and 86.8% in Northern Ireland in 2009/10. The comparable figure for Scotland was 90.9%.

## Glossary

HPV

SIRS

CHSP-School

Human Papillomavirus

Scottish Immunisation and Recall System

Child Health Systems Programme – School

## List of Tables

Table No.	Name	Time period	File & size
1A, 1B	<a href="#">HPV immunisation uptake rates for S2 routine cohort 2011/12, by the end of the school year; by NHS Board and CHP</a>	School year 2011/12	Excel [33kb]
2A, 2B	<a href="#">Final HPV immunisation uptake rates for S2 routine cohort 2010/11 one year later; by NHS Board and CHP</a>	School year 2010/11	Excel [37kb]
3A, 3B, 3C, 3D	<a href="#">Trends in HPV immunisation uptake rates for S2 routine cohort by the end of the school year and one year later; by NHS Board</a>	School years 2008/09 to 2011/12	Excel [63kb]

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## Further Information

Further information can be found on the [Childhood Immunisation](#) area of the ISD website.

Further information on other ISD publications and datasets can be found the on the [ISD website](#).

## Appendix

### A1 – Background Information

#### Data Sources

Data for this publication are derived from the Child Health Systems Programme School system (CHSP School) and Scottish Immunisation and Recall System (SIRS). These systems are used by all NHS Boards in Scotland and their primary purpose is to facilitate the invitation of children for specific child health programme contacts or immunisations as they reach the appropriate age. They also allow recording of information obtained and/or care given during the contacts, such as immunisations given.

CHSP School is used to facilitate the scheduling of HPV immunisation sessions in school and the recording of immunisation data. After an immunisation contact has taken place the immunisation details are keyed into the system by administrative staff in NHS Boards. Immunisations recorded on the school system also update the child's immunisation record on SIRS.

SIRS began in 1987 and has been used by all NHS boards since 2002 when it incorporated the Grampian Immunisation and Recall System (GIRS). CHSP School began in 1995 and all NHS Boards, except NHS Orkney, have used CHSP School/SIRS to record HPV immunisations since the HPV immunisation programme began in 2008/09. NHS Orkney recorded HPV immunisation data on CHSP School/SIRS from 2010/11 and they have provided their own figures for school years 2008/09 and 2009/10.

ISD receive quarterly data extracts from SIRS and CHSP School for the purpose of producing and publishing immunisation uptake rates.

#### Accuracy and reliability

The data covers all girls in the second year of secondary school in Scotland i.e. it is not a sample. It covers girls in local authority, independent and grant maintained schools. As data are recorded on CHSP School and SIRS for the primary purpose of helping to facilitate the scheduling and invitation of children for immunisation, a high degree of accuracy of data recording by NHS Boards is required. A small number of additional HPV immunisations may have been given that have not been recorded on CHSP School or SIRS by the time of data extract.

ISD undertake further data quality assurance checks prior to publication. In addition, NHS Board Immunisation Co-ordinators have the opportunity to review figures for their area prior to publication, so that any issues affecting the reported rates can be highlighted to users as appropriate.

Where girls move into Scotland during the school year their HPV immunisation status is obtained and recorded on SIRS/CHSP School so that immunisation(s) can be offered if appropriate. A small number of immunisations may be given out-with the schools programme by GPs or in private clinics for example. SIRS/CHSP School would normally be updated to reflect these girls' HPV immunisation status. However there may be a few instances where details of immunisation given out-with the school programme are not provided to administrative staff in NHS Boards who update CHSP School and SIRS.

## **Timeliness**

HPV immunisation uptake rates are collated by school year, which in Scotland ends in late June. NHS Boards have approximately six weeks to ensure the data recorded on HPV immunisations given are up-to-date for reporting purposes. Data on HPV immunisations given are extracted in mid-August and ISD publish uptake rates in the following month, at the end of September.

## **Methods**

Girls who are recorded on CHSP School as being in class year S2 as at May (i.e. near the end of the school year) are identified as being in the S2 routine cohort (the denominator). The data recorded on SIRS (as at August) on HPV immunisations given is then mapped to this cohort of girls to derive the number of these girls immunised with each of the doses (the numerators). Uptake rates for each S2 routine cohort are calculated at two stages:

- By the end of the school year in which girls were first offered HPV immunisation as part of the routine cohort and
- One year later. These 'final' uptake rates show the increase in uptake rates for each routine cohort as time progresses.

A few girls who had previously declined HPV immunisation during S2 or the following year (i.e. by one year later) will present for HPV immunisation at a later stage and therefore uptake rates for these cohorts will continue to increase marginally over time.

## **Revisions statement**

These data are not subject to planned revisions. The rates reported reflect immunisation uptake rates at particular points in time, based on the data recorded. For each annual S2 routine cohort, uptake rates by the end of school year are reported and then 'final' uptake rates one year later are reported the following year.

## **Revisions History**

None

## **Consultation on frequency of HPV immunisation uptake statistics publication**

During June/July 2011 ISD conducted a consultation regarding the frequency of publication of HPV immunisation uptake statistics. The consultation appeared on the ISD website and was emailed to stakeholders. The proposal was to reduce the frequency of publication of HPV immunisation uptake statistics from bi-annual to annual.

The consultation was open for a period of 6 weeks and 7 responses were received. There were no objections to the proposal to move to an annual publication.

## A2 – Publication Metadata (including revisions details)

Metadata Indicator	Description
Publication title	HPV Immunisation Uptake Statistics
Description	HPV immunisation uptake rates for school year 2011/12.
Theme	Health and Social Care
Topic	Child Health
Format	Excel workbooks, PDF
Data source(s)	Child Health Systems Programme - School (CHSP-S), Scottish Immunisation and Recall System
Date that data are acquired	13 August 2012
Release date	25 September 2012
Frequency	Annual
Timeframe of data and timeliness	Data up to 13 August 2012. No delays between receipt and processing of data for publication.
Continuity of data	None
Revisions statement	These data are not subject to planned revisions. Each release reports on uptake rates for specific cohorts by a given date.
Revisions relevant to this publication	None
Concepts and definitions	Further information about the current immunisation programmes in Scotland, the vaccines available, and the diseases they protect against, can be found via the NHS Health Scotland Immunisation website <a href="http://www.immunisationscotland.org.uk">www.immunisationscotland.org.uk</a>
Relevance and key uses of the statistics	Making information publicly available for planning, epidemiology, provision of services and providing comparative information.
Accuracy	Quality checks are conducted at data entry by NHS Boards. Figures are compared to previous years' figures and expected trends.
Completeness	The data covers all girls in the second year of secondary school in Scotland i.e. it is not a sample. It covers girls in local authority, independent and grant maintained schools. Some additional doses of HPV vaccine may have been given but have not yet been recorded on CHSP-School/SIRS at the time the data was extracted.
Comparability	Data are comparable with data for the rest of the UK. See <a href="#">Uptake rates in the UK</a> .
Accessibility	It is the policy of ISD Scotland to make its web sites and products accessible according to <a href="#">published guidelines</a> .
Coherence and clarity	Data are available as a PDF and tables on the <a href="#">Childhood Immunisation</a> area of the ISD website.
Value type and unit of measurement	Numbers and percentages.
Disclosure	The <a href="#">ISD protocol on Statistical Disclosure Protocol</a> is followed. Low risk of disclosure; no disclosure methods were employed.
Official Statistics designation	Official Statistics

UK Statistics Authority Assessment	Awaiting assessment by UK Statistics Authority
Last published	September 2011
Next published	September 2013
Date of first publication	March 2009
Help email	<a href="mailto:NSS.isdchildhealth@nhs.net">NSS.isdchildhealth@nhs.net</a>
Date form completed	September 2012

## **A3 – Early Access details (including Pre-Release Access)**

### **Pre-Release Access**

Under terms of the "Pre-Release Access to Official Statistics (Scotland) Order 2008", ISD are obliged to publish information on those receiving Pre-Release Access ("Pre-Release Access" refers to statistics in their final form prior to publication). The standard maximum Pre-Release Access is five working days. Shown below are details of those receiving standard Pre-Release Access and, separately, those receiving extended Pre-Release Access.

#### **Standard Pre-Release Access:**

Scottish Government Health Department  
NHS Board Chief Executives  
NHS Board Communication leads

#### **Extended Pre-Release Access**

Extended Pre-Release Access of 8 working days is given to a small number of named individuals in the Scottish Government Health Department (Analytical Services Division). This Pre-Release Access is for the sole purpose of enabling that department to gain an understanding of the statistics prior to briefing others in Scottish Government (during the period of standard Pre-Release Access).

Scottish Government Health Department (Analytical Services Division)

#### **Early Access for Management Information**

These statistics will also have been made available to those who needed access to 'management information', ie as part of the delivery of health and care:

NHS Board Immunisation Co-ordinators

#### **Early Access for Quality Assurance**

These statistics will also have been made available to those who needed access to help quality assure the publication:

Health Protection Scotland  
Chair of National Immunisation Co-ordinators Group  
Chair of Scottish Immunisation and Recall System National User Group

## A4 – ISD and Official Statistics

### About ISD

Scotland has some of the best health service data in the world combining high quality, consistency, national coverage and the ability to link data to allow patient based analysis and follow up.

Information Services Division (ISD) is a business operating unit of NHS National Services Scotland and has been in existence for over 40 years. We are an essential support service to NHSScotland and the Scottish Government and others, responsive to the needs of NHSScotland as the delivery of health and social care evolves.

**Purpose:** To deliver effective national and specialist intelligence services to improve the health and wellbeing of people in Scotland.

**Mission:** Better Information, Better Decisions, Better Health

**Vision:** To be a valued partner in improving health and wellbeing in Scotland by providing a world class intelligence service.

### Official Statistics

Information Services Division (ISD) is the principal and authoritative source of statistics on health and care services in Scotland. ISD is designated by legislation as a producer of 'Official Statistics'. Our official statistics publications are produced to a high professional standard and comply with the Code of Practice for Official Statistics. The Code of Practice is produced and monitored by the UK Statistics Authority which is independent of Government. Under the Code of Practice, the format, content and timing of statistics publications are the responsibility of professional staff working within ISD.

ISD's statistical publications are currently classified as one of the following:

- National Statistics (ie assessed by the UK Statistics Authority as complying with the Code of Practice)
- National Statistics (ie legacy, still to be assessed by the UK Statistics Authority)
- Official Statistics (ie still to be assessed by the UK Statistics Authority)
- other (not Official Statistics)

Further information on ISD's statistics, including compliance with the Code of Practice for Official Statistics, and on the UK Statistics Authority, is available on the [ISD website](#).