Childhood Immunisation Statistics Scotland
Quarter and year ending 31 December 2018
A National Statistics publication for Scotland

Publication date: 26 March 2019

About this release
This release by Information Services Division provides an annual and quarterly update of immunisation uptake rates for children in Scotland at 12 months, 24 months, five years and six years of age, by NHS Board and local authority.

Vaccination programmes for children in Scotland aim to protect the individual child from many serious infectious diseases and prevent the spread of disease in the wider population.

Main Points

Scotland figures for 2018
• Apart from rotavirus vaccine, over 95% of children had received each routine immunisation by the time they were 12 months in Scotland in 2018.
• Uptake of the complete two dose course of rotavirus vaccine by 12 months of age was 92.8% in 2018, a decrease from 93.4% in 2017.
• The national target is for 95% uptake of one dose of the MMR vaccine by five years of age; this has been met since 2009 and in 2018 the figure was 96.6%.
• MMR vaccine is first offered at 12 to 13 months of age. In Scotland uptake was 94.2% by 24 months of age with variation shown across the NHS Boards in the map.

Map of uptake of one dose of MMR by 24 months of age in 2018 by NHS Board of residence

<table>
<thead>
<tr>
<th>Vaccine Uptake (%)</th>
<th>85.0%</th>
<th>100.0%</th>
</tr>
</thead>
<tbody>
<tr>
<td>AA – Ayrshire &amp; Arran</td>
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<td>B – Borders</td>
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<td>DG – Dumfries &amp; Galloway</td>
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<td>F – Fife</td>
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<td>FV – Forth Valley</td>
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<td>GGC – Greater Glasgow &amp; Clyde</td>
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<td>Gr – Grampian</td>
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<td>H – Highland</td>
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<td>L – Lanarkshire</td>
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<td>Lo – Lothian</td>
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<td>Or – Orkney</td>
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<td>S – Shetland</td>
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<td>T – Tayside</td>
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<td>WI – Western Isles</td>
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</table>
• By 24 months of age, 94.6% of children had received the Hib/MenC booster vaccine and 94.7%
had received the Pneumococcal Conjugate Vaccine (PCV) booster.
• Uptake of the MenB booster vaccine by 24 months is reported for the first time this year and
was 93.7%.
• Children from the more deprived areas were less likely to take up the vaccines than children in
the less deprived areas.
• Across the reporting ages of 12 months, 24 months, five years and six years, there are a total
of 17 measures of vaccine uptake. There were small decreases in the uptake rates for 14 of the
17 measures in 2018, compared with the previous year. Uptake rates fell by between 0.2 and
1.1 percentage points.

Background
As a public health measure, immunisations are very effective in reducing the burden of disease.
The European Region of the World Health Organization (WHO) recommends that on a national
basis at least 95% of children are immunised against diseases preventable by immunisation and
targeted for elimination or control. These include diphtheria, tetanus, pertussis, polio, Haemophilus
influenzae type b (Hib), measles, mumps and rubella. In Scotland a target of 95% uptake of one
dose of the Measles, Mumps and Rubella (MMR) vaccine by five years of age (with a
supplementary measure at 24 months) was introduced in 2006 to focus efforts on reducing the
number of susceptible children entering primary school.

Please see News and Updates section of our website for more details.

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Further Information
Find out more in the full report. The data from this publication is available to download from our
web page.

For more information on Immunisations see the Immunisation section of our website. For related
topics, please see the Child Health pages.

The next release of this publication will be in June 2019.

ISD and Official Statistics
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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. Further information about our statistics.