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Childhood Vaccination Coverage Statistics

CSV Guidance for 2023-24

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# Introduction

This document has been produced to provide guidance for the comma separated values (CSV) files that accompany the Childhood Vaccination Coverage Statistics 2023-24 publication; available at the link below:  
  
<https://digital.nhs.uk/data-and-information/publications/statistical/nhs-immunisation-statistics>

CSV files are simply tabulated data expressed in plain text, which are ideal for computer applications due to the lack of formatting.

NHS England is committed to releasing CSV files with its publications to support its compliance with the Open Data strategy[[1]](#footnote-1).

# CSV Content

The CSV files are provided as flat, machine-readable files which can be loaded into many different types of analytical software to permit further analysis.

The data content of the files still replicates the Excel tables but they are now supplied in a format which does not require any manipulation by the end user, who may wish to upload them into analytical tools.

The 2023-24 Childhood Vaccinations data (as in previous years) is not record level data. It has already been pre-aggregated into national, regional, Upper Tier Local Authority (LA) levels.

In 2023-24, flu data is not included as this has already been published in open format as part of the seasonal flu publication: <https://www.gov.uk/government/statistics/seasonal-influenza-vaccine-uptake-in-gp-patients-winter-season-2023-to-2024>

## Interpreting the tables

The Excel data tables within the publication contain footnotes. The information in these footnotes *is not* captured within the CSVs so users are advised to read these prior to conducting any analysis.

In all tables, data reported for Hackney, Leicestershire and Cornwall has been combined with data for City of London, Rutland and Isles of Scilly respectively.

Due to the way the data tables are structured, it has not been possible to produce a single CSV file. This is mainly due to the different types of presentation of each table. Please see Table groupings on page 4 to check what each csv contains. Each file and the headings within it are listed separately in this document.

## CSV file summary

|  |  |  |
| --- | --- | --- |
| **Csv file name** | **Description** | **Breakdown available** |
| childhood-vaccination-dashboard-data-2023-24 | This csv contains coverage and cohort data for the vaccines displayed in the Power BI visualisation tool. | Coverage and cohort data |
| childhood-vaccination-la-num-denom-2023-24 | This csv contains the numerator and population data for the routine vaccines displayed in the Excel data tables | Numerator and cohort data |
| childhood-vaccination-table-11a-11b-2023-24 | This csv contains the numerator, cohort, and coverage data for the Bacillus Calmette–Guérin (BCG) vaccine | Numerator, cohort and coverage data |
| childhood-vaccination-table-11c-11d-2023-24 | This csv contains numerator, cohort, and coverage data for the Hepatitis B vaccine | Numerator, cohort and coverage data |

Cohort = number of children eligible for vaccine

Numerator = number of children who received the vaccine

Coverage = Numerator divided by Cohort \* 100%

### Table 1: Explanation of missing values

Throughout the CSV tables a coding structure is in place to replace values which are not presented. There are different reasons why data are not presented, these reasons and the codes used in their place are given in the table below.

|  |  |  |
| --- | --- | --- |
| Reason for missing value | Code Used in Excel Tables | Code used in CSV table |
| Data not available | **:** | -1 |
| Data suppressed | **\*** | \* |
| Not applicable | z | z |

### Table 2: CSV Files contents childhood-vaccination-la-num-denom-2023-24.csv

| Column Heading | Description |
| --- | --- |
| CollectionYearRange | Year of data collection |
| Parent\_Org\_Code | Code of Org\_Code’s (LA) parent organisation (Region) |
| Parent\_Org\_Name | Name of Org\_Name’s parent organisation (Region) |
| Org\_Code | Code of organisation (LA) in table. |
| Org\_Name | Name of organisation (LA) in table. |
| Child\_Age | Age at which vaccination status of child is measured (COVER data) |
| Indicator | Description of the number/percentage given in Value column including the vaccination type |
| Value | The number relating to the Unit and Indicator fields (Number) |

### childhood-vaccination-table-11a-11b-2023-24.csv

| Column Heading | Description |
| --- | --- |
| CollectionYearRange | Year of data collection |
| Parent\_Org\_Code | Code of Org\_Code’s (LA) parent organisation (Region) |
| Parent\_Org\_Name | Name of Org\_Name’s parent organisation (Region) |
| Org\_Code | Code of organisation (LA) in table. |
| Org\_Name | Name of organisation (LA) in table. |
| BCG\_12m\_Population | Number of children aged 12 months eligible for BCG vaccination |
| BCG\_3m\_Population | Number of children aged 3 months eligible for BCG vaccination |
| BCG\_12m\_Vaccinated | Number of children aged 12 months vaccinated with BCG vaccination |
| BCG\_3m\_Vaccinated | Number of children aged 3 months vaccinated with BCG vaccination |
| BCG\_12m\_Coverage | Percentage of eligible children aged 12 months vaccinated with BCG vaccination |
| BCG\_3m\_Coverage | Percentage of eligible children aged 3 months vaccinated with BCG vaccination |

### childhood-vaccination-table-11c-11d-2023-24.csv

Please refer to Table 1: Explanation of missing values for guidance on how to interpret the coding structure used within the csv file to display missing values.

| Column Heading | Description |
| --- | --- |
| CollectionYearRange | Year of data collection |
| Parent\_Org\_Code | Code of Org\_Code’s (LA) parent organisation (Region) |
| Parent\_Org\_Name | Name of Org\_Name’s parent organisation (Region) |
| Org\_Code | Code of organisation (LA) in table. |
| Org\_Name | Name of organisation (LA) in table. |
| HepB\_12m\_Population | Number of children aged 12 months eligible for Hepatitis B vaccination |
| HepB\_12m\_Vaccinated | Number of children aged 12 months vaccinated with Hepatitis B vaccination |
| HepB\_12m\_Coverage | Percentage of eligible children aged 12 months vaccinated with Hepatitis B vaccination |
| HepB\_24m\_Population | Number of children aged 24 months eligible for Hepatitis B vaccination |
| HepB\_24m\_Vaccinated | Number of children aged 24 months vaccinated with Hepatitis B vaccination |
| HepB\_24m\_Coverage | Percentage of eligible children aged 24 months vaccinated with Hepatitis B vaccination |

### childhood-vaccination-dashboard-data-2023-24

Please refer to Table 1: Explanation of missing values for guidance on how to interpret the coding structure used within the csv file to display missing values.

| Column Heading | Description |
| --- | --- |
| Year | Year of data collection. |
| OrgCode | Code of organisation. |
| OrgName | Name of organisation. |
| OrgType | Type of organisation. Available types of organisation are:  LA - Local Authority (available from 2013-14 onwards) Region - Government Office Region Country - Country of the United Kingdom UK - United Kingdom |
| VacCode | Code of measure that is being reported. Vaccination type and the population cohort type are both coded.  Vaccinations available for each age are coded:  DTaP\_IPV\_Hib\_12m - DTaP-IPV-Hib at 12 months DTaP\_IPV\_Hib\_HepB\_12m - DTaP-IPV-Hib-HepB at 12 months PCV\_12m - PCV at age 12 months Rota\_12m - Rotavirus at age 12 months MenB\_12m - MenB at age 12 months  DTaP\_IPV\_Hib\_24m - DTaP-IPV-Hib at 24 months  DTaP\_IPV\_Hib\_HepB\_24m - DTaP-IPV-Hib-HepB at 24 months MMR\_24m - MMR 1st dose at age 24 months Hib\_MenC\_24m - Hib/MenC at age 24 months PCV\_24m - PCV (booster) at age 24 months MenB\_booster\_24m - MenB (booster) at age 24 months  DTaP\_IPV\_Hib\_5y - DTaP-IPV-Hib at age 5 years  DTaP\_IPV\_Hib\_HepB\_5y - DTaP-IPV-Hib-HepB at age 5 years DTaP\_IPV\_5y - DTaP-IPV (booster) at age 5 years MMR1\_5y - MMR 1st dose at age 5 years MMR2\_5y - MMR 2nd dose at age 5 years Hib\_MenC\_5y - Hib/MenC at age 5 years  The population eligible for vaccination is recorded at 1, 2 and 5 years of age. These age cohorts are coded as follows:  12m\_Eligible\_Pop 24m\_Eligible\_Pop 5y\_Eligible\_Pop |
| Value | The value of the measure being reported.  This will be a percentage for vaccination coverage.  For population cohorts this will be a number. |

# Feedback

We welcome any feedback you may have on the data itself and this guidance document.

Comments can be sent to following email address: [enquiries@nhsdigital.nhs.uk](mailto:enquiries@nhsdigital.nhs.uk)

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1. <https://www.gov.uk/government/uploads/system/uploads/attachment_data/file/330382/bis-14-946-open-data-strategy-2014-2016.pdf> [↑](#footnote-ref-1)