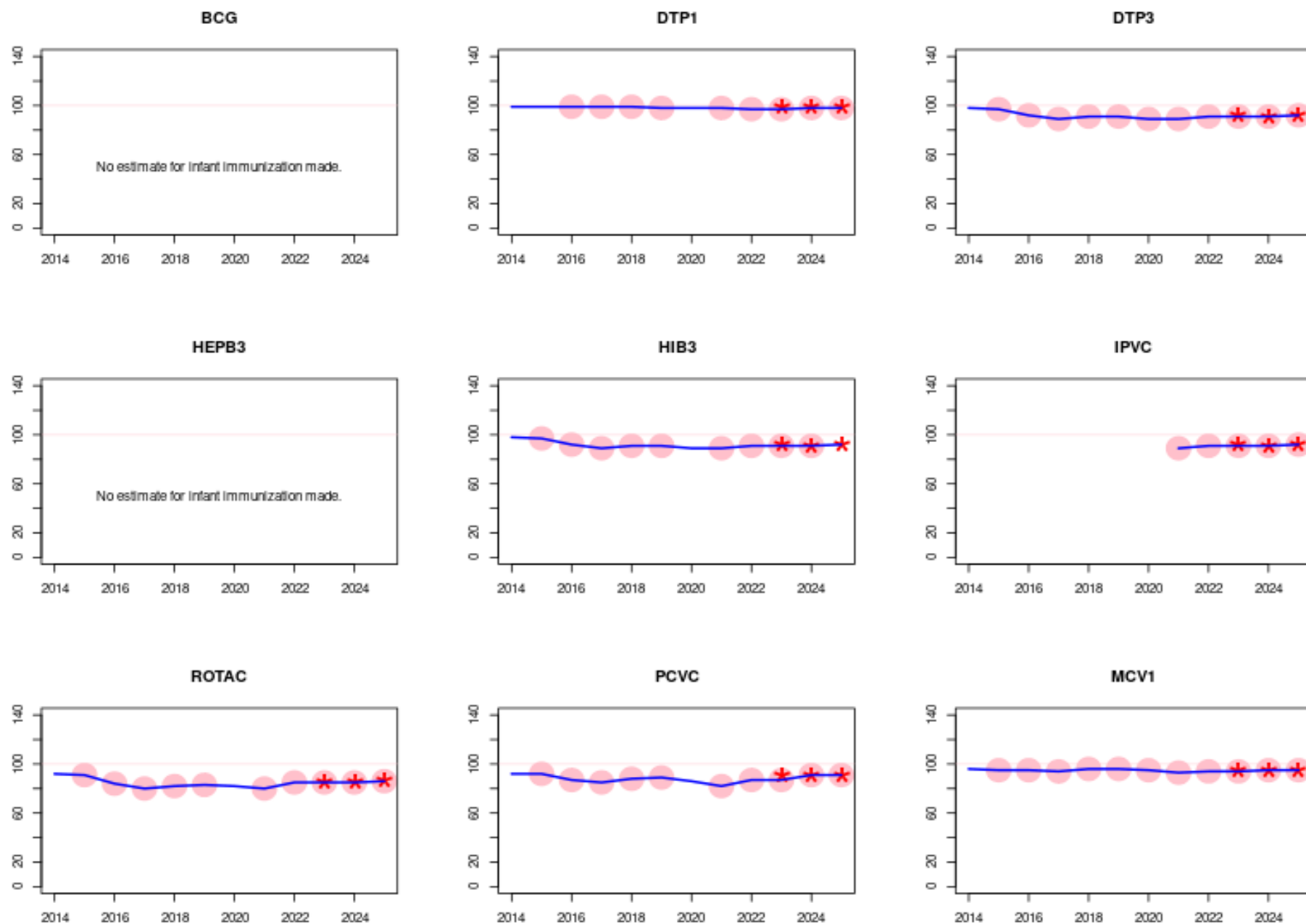




BACKGROUND NOTE Each year WHO and UNICEF jointly review reports submitted by Member States regarding national immunization coverage, finalized survey reports as well as data from published and grey literature. Based on these data, with due consideration to potential biases and the views of local experts, WHO and UNICEF attempt to distinguish between situations where available empirical data accurately reflect immunization system performance and those where the data are likely compromised and present a misleading view of coverage. The estimates refer to immunizations delivered through routine immunization services to children less than 12 months of age, or at the age specified in the recommended immunization schedule, for whom vaccinations are recorded. Immunizations received through supplemental immunization activities, such as polio and measles campaigns, are not included.

WHO and UNICEF estimates are country-specific; that is to say, each country's data are reviewed individually, and data are not borrowed from other countries in the absence of data. Estimates are not based on ad hoc adjustments to reported data; in some instances empirical data are available from a single source, usually the nationally reported coverage data. In cases where no data are available for a given country/vaccine/year combination, data are considered from earlier and later years and interpolated to estimate coverage for the missing year(s). In cases where data sources are mixed and show large variation, an attempt is made to identify the most likely estimate with consideration of the possible biases in available data. For methods see:

* Burton et al. 2009. Bull World Health Organ. * Burton et al. 2012. PLoS One.
* Brown et al. 2013. Open Pub Health Journal. * Danovaro-Holliday et al. 2021. Gates Open Res.

DATA SOURCES

ADMINISTRATIVE coverage: Reported by national authorities and based on aggregated administrative reports from health service providers on the number of vaccinations administered during a given period (numerator data) and reported target population data (denominator data). May be biased by inaccurate numerator and/or denominator data.

OFFICIAL coverage: Estimated coverage reported by national authorities that reflects their assessment of the most likely coverage based on any combination of administrative coverage, survey-based estimates or other data sources or adjustments. Approaches to determine OFFICIAL coverage may differ across countries.

SURVEY coverage: Based on estimated coverage from population-based household surveys among children aged 6-11, 12-23 or 24-35 months following a review of survey methods and results. Information is based on the combination of vaccination history from documented evidence or caregiver recall. Survey results are considered for the appropriate birth cohort based on data collection period.

ABBREVIATIONS AND DEFINITIONS

BCG: percentage of births who received one dose of Bacillus Calmette Guerin vaccine.

DTP1 / DTP3: percentage of surviving infants who received the 1st / 3rd dose, respectively, of diphtheria and tetanus toxoid with pertussis containing vaccine.

IPV1: percentage of surviving infants who received the first dose of inactivated polio vaccine.

IPVC: percentage of surviving infants who received the final recommended dose of IPV in the primary series, according to the national immunization schedule primary series (e.g., second or third dose).

MCV1: percentage of surviving infants who received the 1st dose of measles containing vaccine. In countries where the national schedule recommends the 1st dose of MCV at 12 months or later based on the epidemiology of disease in the country, coverage estimates reflect the percentage of children who received the 1st dose of MCV as recommended.

MCV2: percentage of children who received the 2nd dose of measles containing vaccine according to the nationally recommended schedule.

RCV1: percentage of surviving infants who received the 1st dose of rubella containing vaccine. Coverage estimates are based on WHO and UNICEF estimates of coverage for the dose of measles containing vaccine that corresponds to the first measles-rubella combination vaccine. Nationally reported coverage of RCV is not taken into consideration in the production of the estimate.

HEPBB: percentage of births which received a dose of hepatitis B vaccine within 24 hours of delivery. Estimates of hepatitis B birth dose coverage are produced only for countries with a universal birth dose policy. Estimates are not produced for countries that recommend a birth dose to infants born to HEPB virus-infected mothers only or where there is insufficient information to determine whether vaccination is within 24 hours of birth.

HEPB3: percentage of surviving infants who received the 3rd dose of hepatitis B containing vaccine following the birth dose.

HIB3: percentage of surviving infants who received the 3rd dose of Haemophilus influenzae type b containing vaccine.

ROTAC: percentage of surviving infants who received the final recommended dose of rotavirus vaccine, which can be either the 2nd or the 3rd dose depending on the vaccine.

PCVC: percentage of surviving infants who received the final recommended dose of pneumococcal conjugate vaccine according to the national immunization schedule (e.g., second or third dose).

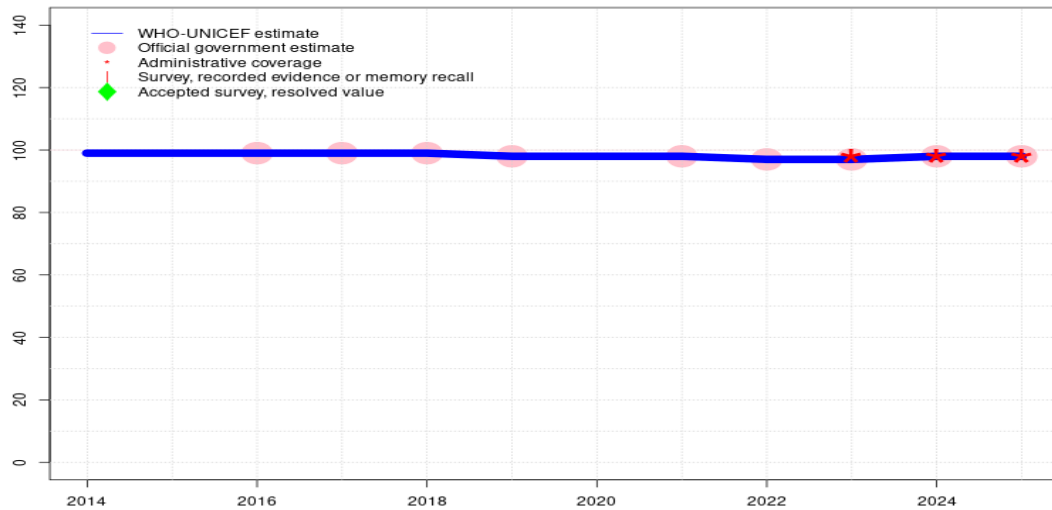
YFV: percentage of surviving infants who received one dose of yellow fever vaccine in countries where YFV is part of the national immunization schedule for children or is recommended in at risk areas; coverage estimates are annualized for the entire cohort of surviving infants.

MENGA: percentage of children who received one dose of meningococcal A conjugate vaccine. MENGA coverage estimates produced for countries in the meningitis belt of sub-Saharan Africa.

Disclaimer: All reasonable precautions have been taken by the World Health Organization and United Nations Children's Fund to verify the information contained in this publication. However, the published material is being distributed without warranty of any kind, either expressed or implied. The responsibility for the interpretation and use of the material lies with the reader. In no event shall the World Health Organization or United Nations Children's Fund be liable for damages arising from its use.

Finland - DTP1

FIN - DTP1



	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025
Estimate	99	99	99	99	99	98	98	98	97	97	98	98
Estimate GoC	●	●	●●	●●	●●	●●	●	●●	●●	●●	●●	●●
Official	-	-	99	99	99	98	-	98	97	97	98	98
Administrative	-	-	-	-	-	-	-	-	-	98	98	98
Survey	-	-	-	-	-	-	-	-	-	-	-	-

The WHO and UNICEF estimates of national immunization coverage (wuenic) are based on data and information that are of varying, and, in some instances, unknown quality. Beginning with the 2011 revision we describe the grade of confidence (GoC) we have in these estimates. As there is no underlying probability model upon which the estimates are based, we are unable to present classical measures of uncertainty, e.g., confidence intervals. Moreover, we have chosen not to make subjective estimates of plausibility/certainty ranges around the coverage. The GoC reflects the degree of empirical support upon which the estimates are based. It is not a judgment of the quality of data reported by national authorities.

- Estimate is supported by reported data [R+], coverage recalculated with an independent denominator from the World Population Prospects: 2024 revision from the UN Population Division (D+), and at least one supporting survey within 2 years [S+]. While well supported, the estimate still carries a risk of being wrong.
- Estimate is supported by at least one data source; [R+], [S+], or [D+]; and no data source, [R-], [D-], or [S-], challenges the estimate.
- There are no directly supporting data; or data from at least one source; [R-], [D-], [S-]; challenge the estimate.

In all cases these estimates should be used with caution and should be assessed in light of the objective for which they are being used.

Description:

2025: Estimate informed by reported data. Official coverage based on national vaccination register. Vaccination data for the Finnish Vaccination Register is collected from patient data systems following the data model of the National Patient Data Archive. More information can be found at <https://thl.fi/en/data-and-statistics/vaccinations>. No nationally representative independent assessment for the most recent 5 annual birth cohorts. WHO and UNICEF recommend a high quality independent assessment to verify reported levels of coverage. GoC=R+

2024: Estimate informed by reported data. Estimate of 98 percent changed from previous revision value of 97 percent. GoC=R+

2023: Estimate informed by reported data. GoC=R+

2022: Estimate informed by reported data. GoC=R+

2021: Estimate informed by reported data. GoC=R+

2020: Estimate informed by interpolation between reported data. GoC=No accepted empirical data

2019: Estimate informed by reported data. Official coverage based on national vaccination register. Vaccination data for the Finnish Vaccination Register is collected from patient data systems following the data model of the National Patient Data Archive. GoC=R+

2018: Estimate informed by reported data. Official coverage based on national vaccination register. Vaccination data for the Finnish Vaccination Register is collected from patient data systems following the data model of the National Patient Data Archive. GoC=R+

2017: Estimate informed by reported data. Official coverage based on national vaccination register. Vaccination data for the Finnish Vaccination Register is collected from patient data systems following the data model of the National Patient Data Archive. GoC=R+

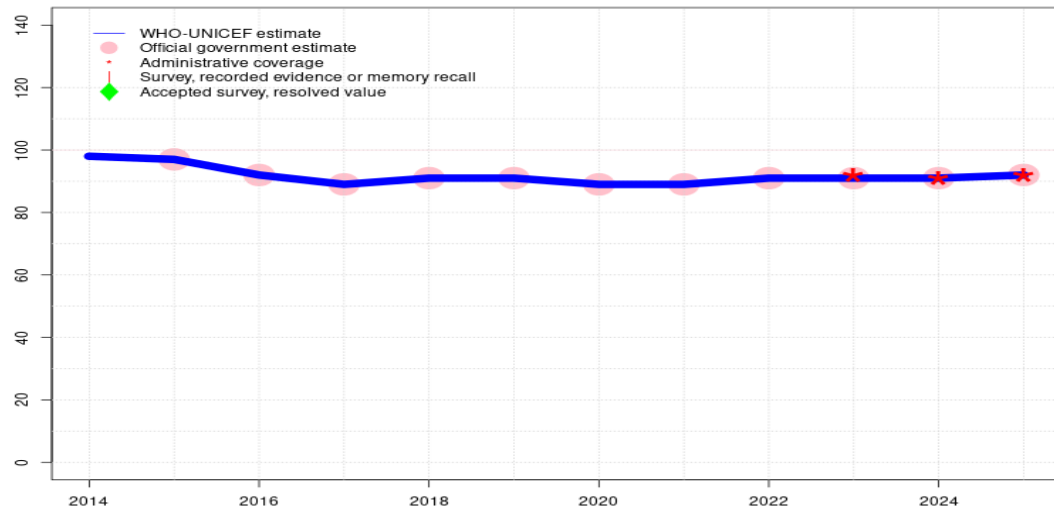
2016: Estimate informed by reported data. GoC=R+

2015: Estimate informed by interpolation between reported data. GoC=No accepted empirical data

2014: Estimate informed by interpolation between reported data. Programme notes that reported data are based on a random sample of 1000 children born in 2009 using data on vaccination through two years of age. Vaccination coverage is partially derived from electronic vaccination registers with further verification with child welfare clinics. GoC=No accepted empirical data

Finland - DTP3

FIN - DTP3



Description:

2025: Estimate informed by reported data. Official coverage based on national vaccination register. Vaccination data for the Finnish Vaccination Register is collected from patient data systems following the data model of the National Patient Data Archive. More information can be found at <https://thl.fi/en/data-and-statistics/vaccinations>. No nationally representative independent assessment for the most recent 5 annual birth cohorts. WHO and UNICEF recommend a high quality independent assessment to verify reported levels of coverage. GoC=R+

2024: Estimate informed by reported data. GoC=R+

2023: Estimate informed by reported data. GoC=R+

2022: Estimate informed by reported data. GoC=R+

2021: Estimate informed by reported data. GoC=R+

2020: Estimate informed by reported data. GoC=R+

2019: Estimate informed by reported data. Official coverage based on national vaccination register. Vaccination data for the Finnish Vaccination Register is collected from patient data systems following the data model of the National Patient Data Archive. GoC=R+

2018: Estimate informed by reported data. Official coverage based on national vaccination register. Vaccination data for the Finnish Vaccination Register is collected from patient data systems following the data model of the National Patient Data Archive. GoC=R+

2017: Estimate informed by reported data. Official coverage based on national vaccination register. Vaccination data for the Finnish Vaccination Register is collected from patient data systems following the data model of the National Patient Data Archive. GoC=R+

2016: Estimate informed by reported data. GoC=R+

2015: Estimate informed by reported data. GoC=R+

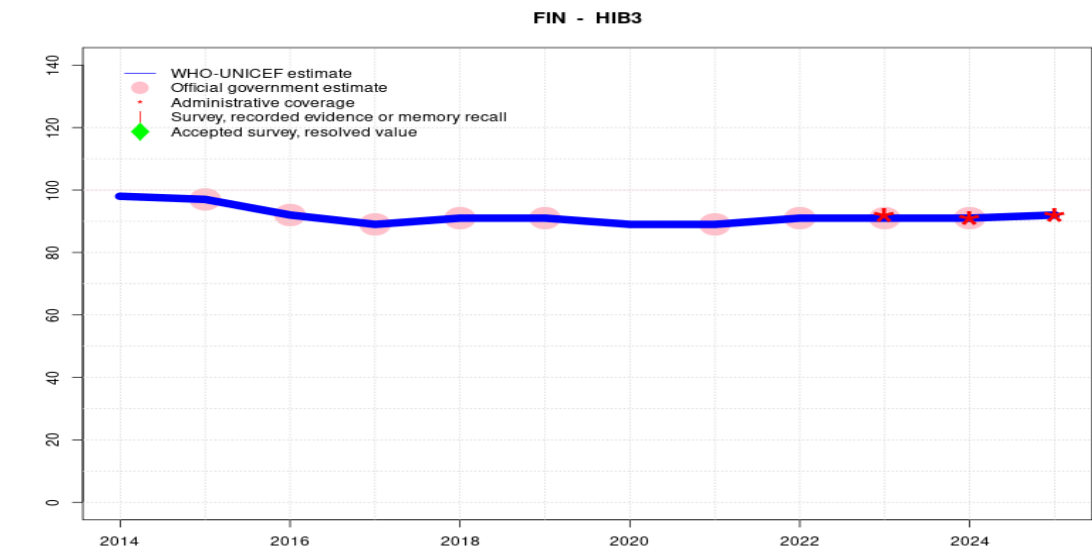
2014: Estimate informed by interpolation between reported data. Programme notes that reported data are based on a random sample of 1000 children born in 2009 using data on vaccination through two years of age. Vaccination coverage is partially derived from electronic vaccination registers with further verification with child welfare clinics. GoC=No accepted empirical data

	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025
Estimate	98	97	92	89	91	91	89	89	91	91	91	92
Estimate GoC	●	●●	●●	●●	●●	●●	●●	●●	●●	●●	●●	●●
Official	-	97	92	89	91	91	89	89	91	91	91	92
Administrative	-	-	-	-	-	-	-	-	-	92	91	92
Survey	-	-	-	-	-	-	-	-	-	-	-	-

The WHO and UNICEF estimates of national immunization coverage (wuenic) are based on data and information that are of varying, and, in some instances, unknown quality. Beginning with the 2011 revision we describe the grade of confidence (GoC) we have in these estimates. As there is no underlying probability model upon which the estimates are based, we are unable to present classical measures of uncertainty, e.g., confidence intervals. Moreover, we have chosen not to make subjective estimates of plausibility/certainty ranges around the coverage. The GoC reflects the degree of empirical support upon which the estimates are based. It is not a judgment of the quality of data reported by national authorities.

- Estimate is supported by reported data [R+], coverage recalculated with an independent denominator from the World Population Prospects: 2024 revision from the UN Population Division (D+), and at least one supporting survey within 2 years [S+]. While well supported, the estimate still carries a risk of being wrong.
- Estimate is supported by at least one data source; [R+], [S+], or [D+]; and no data source, [R-], [D-], or [S-], challenges the estimate.
- There are no directly supporting data; or data from at least one source; [R-], [D-], [S-]; challenge the estimate.

In all cases these estimates should be used with caution and should be assessed in light of the objective for which they are being used.



	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025
Estimate	98	97	92	89	91	91	89	89	91	91	91	92
Estimate GoC	●	●●	●●	●●	●●	●●	●	●●	●●	●●	●●	●●
Official	-	97	92	89	91	91	-	89	91	91	91	-
Administrative	-	-	-	-	-	-	-	-	-	92	91	92
Survey	-	-	-	-	-	-	-	-	-	-	-	-

The WHO and UNICEF estimates of national immunization coverage (wuenic) are based on data and information that are of varying, and, in some instances, unknown quality. Beginning with the 2011 revision we describe the grade of confidence (GoC) we have in these estimates. As there is no underlying probability model upon which the estimates are based, we are unable to present classical measures of uncertainty, e.g., confidence intervals. Moreover, we have chosen not to make subjective estimates of plausibility/certainty ranges around the coverage. The GoC reflects the degree of empirical support upon which the estimates are based. It is not a judgment of the quality of data reported by national authorities.

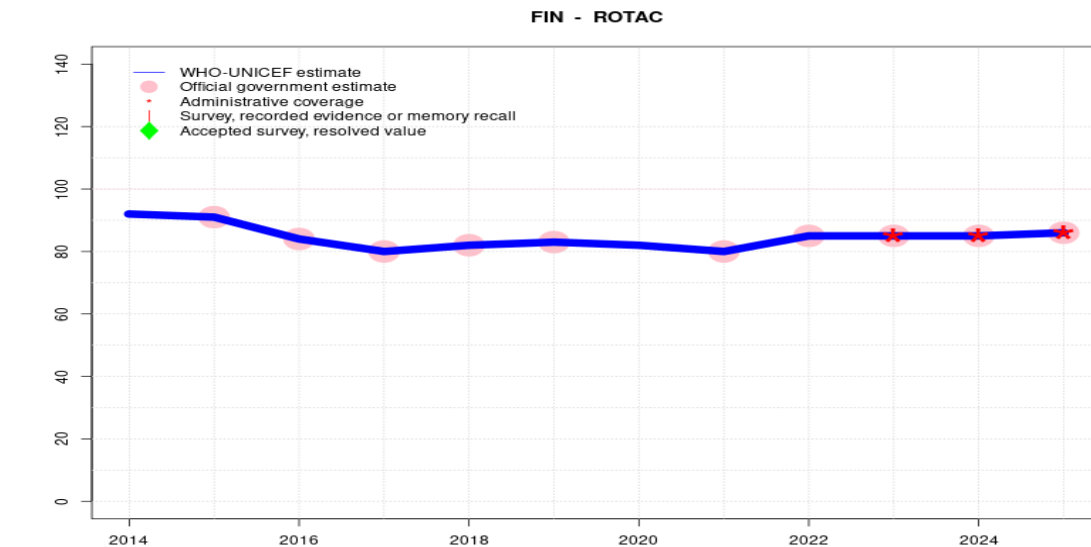
- Estimate is supported by reported data [R+], coverage recalculated with an independent denominator from the World Population Prospects: 2024 revision from the UN Population Division (D+), and at least one supporting survey within 2 years [S+]. While well supported, the estimate still carries a risk of being wrong.
- Estimate is supported by at least one data source; [R+], [S+], or [D+]; and no data source, [R-], [D-], or [S-], challenges the estimate.
- There are no directly supporting data; or data from at least one source; [R-], [D-], [S-]; challenge the estimate.

In all cases these estimates should be used with caution and should be assessed in light of the objective for which they are being used.

Description:

- 2025: Estimate informed by reported administrative data. Official coverage based on national vaccination register. Vaccination data for the Finnish Vaccination Register is collected from patient data systems following the data model of the National Patient Data Archive. More information can be found at <https://thl.fi/en/data-and-statistics/vaccinations>. No nationally representative independent assessment for the most recent 5 annual birth cohorts. WHO and UNICEF recommend a high quality independent assessment to verify reported levels of coverage. GoC=R+
- 2024: Estimate informed by reported data. GoC=R+
- 2023: Estimate informed by reported data. GoC=R+
- 2022: Estimate informed by reported data. GoC=R+
- 2021: Estimate informed by reported data. GoC=R+
- 2020: Estimate based on estimated DTP3 coverage. GoC=No accepted empirical data
- 2019: Estimate informed by reported data. Official coverage based on national vaccination register. Vaccination data for the Finnish Vaccination Register is collected from patient data systems following the data model of the National Patient Data Archive. GoC=R+
- 2018: Estimate informed by reported data. Official coverage based on national vaccination register. Vaccination data for the Finnish Vaccination Register is collected from patient data systems following the data model of the National Patient Data Archive. GoC=R+
- 2017: Estimate informed by reported data. Official coverage based on national vaccination register. Vaccination data for the Finnish Vaccination Register is collected from patient data systems following the data model of the National Patient Data Archive. GoC=R+
- 2016: Estimate informed by reported data. GoC=R+
- 2015: Estimate informed by reported data. GoC=R+
- 2014: Estimate informed by interpolation between reported data. Programme notes that reported data are based on a random sample of 1000 children born in 2009 using data on vaccination through two years of age. Vaccination coverage is partially derived from electronic vaccination registers with further verification with child welfare clinics. GoC=No accepted empirical data

Finland - ROTAC



	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025
Estimate	92	91	84	80	82	83	82	80	85	85	85	86
Estimate GoC	●	●●	●●	●●	●●	●●	●	●●	●●	●●	●●	●●
Official	-	91	84	80	82	83	-	80	85	85	85	86
Administrative	-	-	-	-	-	-	-	-	-	85	85	86
Survey	-	-	-	-	-	-	-	-	-	-	-	-

The WHO and UNICEF estimates of national immunization coverage (wuenic) are based on data and information that are of varying, and, in some instances, unknown quality. Beginning with the 2011 revision we describe the grade of confidence (GoC) we have in these estimates. As there is no underlying probability model upon which the estimates are based, we are unable to present classical measures of uncertainty, e.g., confidence intervals. Moreover, we have chosen not to make subjective estimates of plausibility/certainty ranges around the coverage. The GoC reflects the degree of empirical support upon which the estimates are based. It is not a judgment of the quality of data reported by national authorities.

- Estimate is supported by reported data [R+], coverage recalculated with an independent denominator from the World Population Prospects: 2024 revision from the UN Population Division (D+), and at least one supporting survey within 2 years [S+]. While well supported, the estimate still carries a risk of being wrong.
- Estimate is supported by at least one data source; [R+], [S+], or [D+]; and no data source, [R-], [D-], or [S-], challenges the estimate.
- There are no directly supporting data; or data from at least one source; [R-], [D-], [S-]; challenge the estimate.

In all cases these estimates should be used with caution and should be assessed in light of the objective for which they are being used.

Description:

2025: Estimate informed by reported data. Official coverage based on national vaccination register. Vaccination data for the Finnish Vaccination Register is collected from patient data systems following the data model of the National Patient Data Archive. More information can be found at <https://thl.fi/en/data-and-statistics/vaccinations>. No nationally representative independent assessment for the most recent 5 annual birth cohorts. WHO and UNICEF recommend a high quality independent assessment to verify reported levels of coverage. GoC=R+

2024: Estimate informed by reported data. GoC=R+

2023: Estimate informed by reported data. GoC=R+

2022: Estimate informed by reported data. GoC=R+

2021: Estimate informed by reported data. GoC=R+

2020: Estimate informed by interpolation between reported data. GoC=No accepted empirical data

2019: Estimate informed by reported data. Official coverage based on national vaccination register. Vaccination data for the Finnish Vaccination Register is collected from patient data systems following the data model of the National Patient Data Archive. GoC=R+

2018: Estimate informed by reported data. Official coverage based on national vaccination register. Vaccination data for the Finnish Vaccination Register is collected from patient data systems following the data model of the National Patient Data Archive. GoC=R+

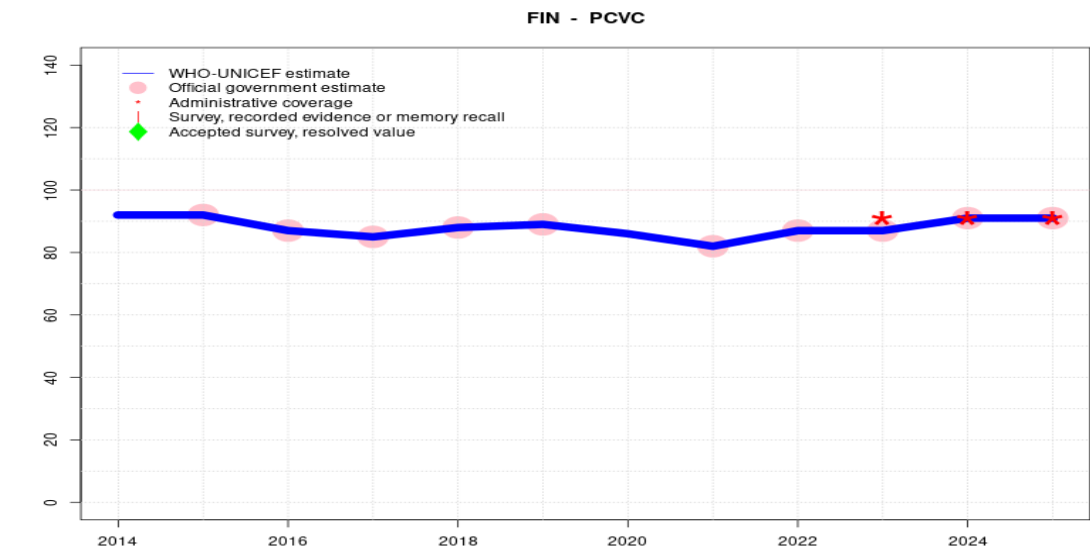
2017: Estimate informed by reported data. Official coverage based on national vaccination register. Vaccination data for the Finnish Vaccination Register is collected from patient data systems following the data model of the National Patient Data Archive. GoC=R+

2016: Estimate informed by reported data. GoC=R+

2015: Estimate informed by reported data. GoC=R+

2014: Estimate informed by interpolation between reported data. Programme notes that reported data are based on a random sample of 1000 children born in 2009 using data on vaccination through two years of age. Vaccination coverage is partially derived from electronic vaccination registers with further verification with child welfare clinics. GoC=No accepted empirical data

Finland - PCVC



	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025
Estimate	92	92	87	85	88	89	86	82	87	87	91	91
Estimate GoC	●	●●	●●	●●	●●	●●	●	●●	●●	●●	●●	●●
Official	-	92	87	85	88	89	-	82	87	87	91	91
Administrative	-	-	-	-	-	-	-	-	-	91	91	91
Survey	-	-	-	-	-	-	-	-	-	-	-	-

The WHO and UNICEF estimates of national immunization coverage (wuenic) are based on data and information that are of varying, and, in some instances, unknown quality. Beginning with the 2011 revision we describe the grade of confidence (GoC) we have in these estimates. As there is no underlying probability model upon which the estimates are based, we are unable to present classical measures of uncertainty, e.g., confidence intervals. Moreover, we have chosen not to make subjective estimates of plausibility/certainty ranges around the coverage. The GoC reflects the degree of empirical support upon which the estimates are based. It is not a judgment of the quality of data reported by national authorities.

- Estimate is supported by reported data [R+], coverage recalculated with an independent denominator from the World Population Prospects: 2024 revision from the UN Population Division (D+), and at least one supporting survey within 2 years [S+]. While well supported, the estimate still carries a risk of being wrong.
- Estimate is supported by at least one data source; [R+], [S+], or [D+]; and no data source, [R-], [D-], or [S-], challenges the estimate.
- There are no directly supporting data; or data from at least one source; [R-], [D-], [S-]; challenge the estimate.

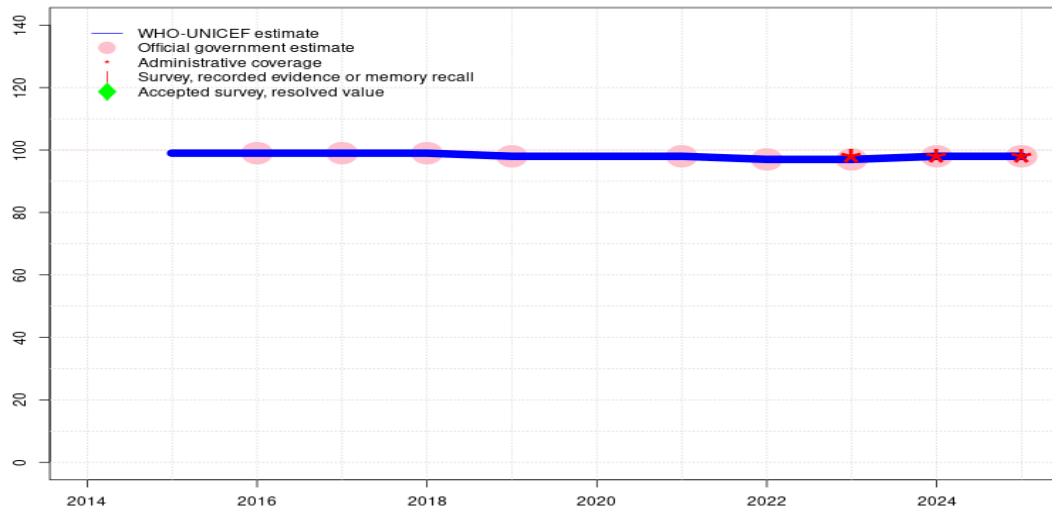
In all cases these estimates should be used with caution and should be assessed in light of the objective for which they are being used.

Description:

- 2025: Estimate informed by reported data. Official coverage based on national vaccination register. Vaccination data for the Finnish Vaccination Register is collected from patient data systems following the data model of the National Patient Data Archive. More information can be found at <https://thl.fi/en/data-and-statistics/vaccinations>. No nationally representative independent assessment for the most recent 5 annual birth cohorts. WHO and UNICEF recommend a high quality independent assessment to verify reported levels of coverage. GoC=R+
- 2024: Estimate informed by reported data. Estimate of 91 percent changed from previous revision value of 87 percent. GoC=R+
- 2023: Estimate informed by reported data. GoC=R+
- 2022: Estimate informed by reported data. GoC=R+
- 2021: Estimate informed by reported data. GoC=R+
- 2020: Estimate informed by interpolation between reported data. GoC=No accepted empirical data
- 2019: Estimate informed by reported data. Official coverage based on national vaccination register. Vaccination data for the Finnish Vaccination Register is collected from patient data systems following the data model of the National Patient Data Archive. GoC=R+
- 2018: Estimate informed by reported data. Official coverage based on national vaccination register. Vaccination data for the Finnish Vaccination Register is collected from patient data systems following the data model of the National Patient Data Archive. GoC=R+
- 2017: Estimate informed by reported data. Official coverage based on national vaccination register. Vaccination data for the Finnish Vaccination Register is collected from patient data systems following the data model of the National Patient Data Archive. GoC=R+
- 2016: Estimate informed by reported data. GoC=R+
- 2015: Estimate informed by reported data. GoC=R+
- 2014: Estimate informed by extrapolation from reported data. Programme notes that reported data are based on a random sample of 1000 children born in 2009 using data on vaccination through two years of age. Vaccination coverage is partially derived from electronic vaccination registers with further verification with child welfare clinics. GoC=No accepted empirical data

Finland - IPV1

FIN - IPV1



	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025
Estimate	-	99	99	99	99	98	98	98	97	97	98	98
Estimate GoC	-	•	••	••	••	••	•	••	••	••	••	••
Official	-	-	99	99	99	98	-	98	97	97	98	98
Administrative	-	-	-	-	-	-	-	-	-	98	98	98
Survey	-	-	-	-	-	-	-	-	-	-	-	-

The WHO and UNICEF estimates of national immunization coverage (wuenic) are based on data and information that are of varying, and, in some instances, unknown quality. Beginning with the 2011 revision we describe the grade of confidence (GoC) we have in these estimates. As there is no underlying probability model upon which the estimates are based, we are unable to present classical measures of uncertainty, e.g., confidence intervals. Moreover, we have chosen not to make subjective estimates of plausibility/certainty ranges around the coverage. The GoC reflects the degree of empirical support upon which the estimates are based. It is not a judgment of the quality of data reported by national authorities.

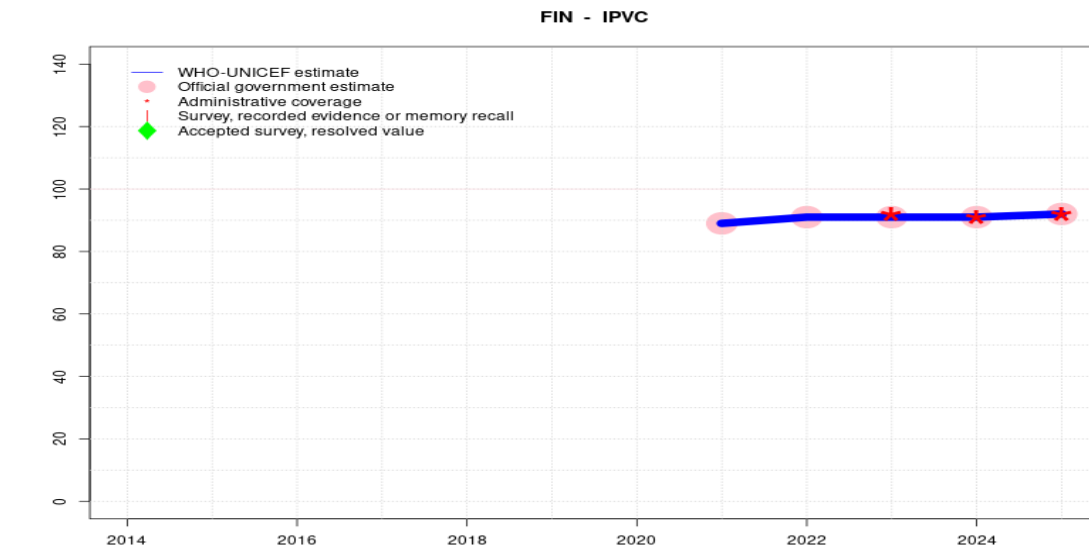
- Estimate is supported by reported data [R+], coverage recalculated with an independent denominator from the World Population Prospects: 2024 revision from the UN Population Division (D+), and at least one supporting survey within 2 years [S+]. While well supported, the estimate still carries a risk of being wrong.
- Estimate is supported by at least one data source; [R+], [S+], or [D+]; and no data source, [R-], [D-], or [S-], challenges the estimate.
- There are no directly supporting data; or data from at least one source; [R-], [D-], [S-]; challenge the estimate.

In all cases these estimates should be used with caution and should be assessed in light of the objective for which they are being used.

Description:

- 2025: Estimate informed by reported data. Official coverage based on national vaccination register. Vaccination data for the Finnish Vaccination Register is collected from patient data systems following the data model of the National Patient Data Archive. More information can be found at <https://thl.fi/en/data-and-statistics/vaccinations>. No nationally representative independent assessment for the most recent 5 annual birth cohorts. WHO and UNICEF recommend a high quality independent assessment to verify reported levels of coverage. GoC=R+
- 2024: Estimate informed by reported data. Estimate of 98 percent changed from previous revision value of 97 percent. GoC=R+
- 2023: Estimate informed by reported data. GoC=R+
- 2022: Estimate informed by reported data. GoC=R+
- 2021: Estimate informed by reported data. GoC=R+
- 2020: Estimate informed by interpolation between reported data. GoC=No accepted empirical data
- 2019: Estimate informed by reported data. Official coverage based on national vaccination register. Vaccination data for the Finnish Vaccination Register is collected from patient data systems following the data model of the National Patient Data Archive. GoC=R+
- 2018: Estimate informed by reported data. Official coverage based on national vaccination register. Vaccination data for the Finnish Vaccination Register is collected from patient data systems following the data model of the National Patient Data Archive. GoC=R+
- 2017: Estimate informed by reported data. Official coverage based on national vaccination register. Vaccination data for the Finnish Vaccination Register is collected from patient data systems following the data model of the National Patient Data Archive. GoC=R+
- 2016: Estimate informed by reported data. GoC=R+
- 2015: Inactivated polio vaccine delivered as part of a DTP-Hib-IPV combination vaccine. Estimate informed by estimated DTP1 coverage. GoC=No accepted empirical data

Finland - IPV1



Description:

2025: Estimate informed by reported data. Official coverage based on national vaccination register. Vaccination data for the Finnish Vaccination Register is collected from patient data systems following the data model of the National Patient Data Archive. More information can be found at <https://thl.fi/en/data-and-statistics/vaccinations>. No nationally representative independent assessment for the most recent 5 annual birth cohorts. WHO and UNICEF recommend a high quality independent assessment to verify reported levels of coverage. GoC=R+

2024: Estimate informed by reported data. GoC=R+

2023: Estimate informed by reported data. GoC=R+

2022: Estimate informed by reported data. GoC=R+

2021: Estimate informed by reported data. GoC=R+

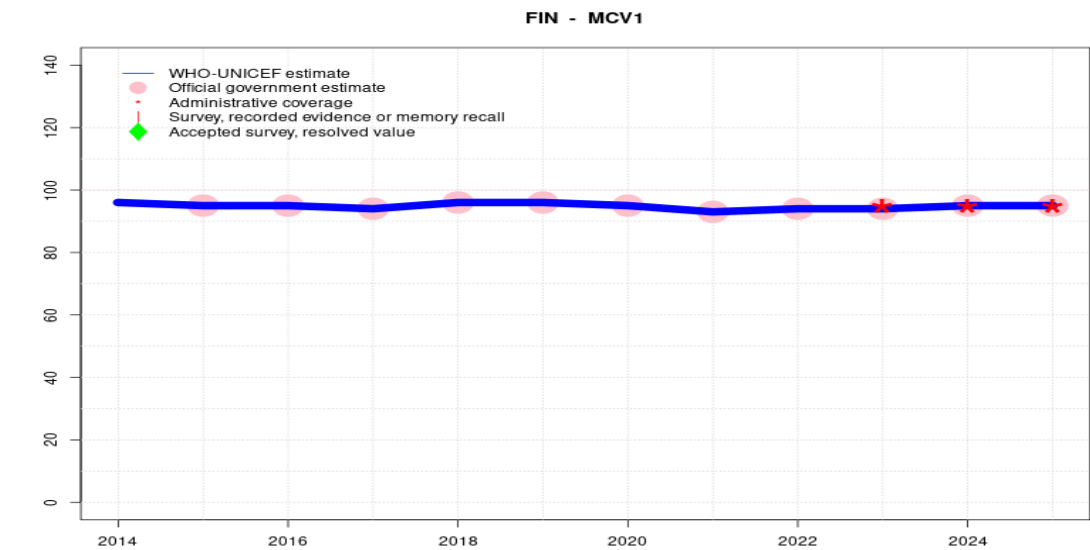
	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025
Estimate	-	-	-	-	-	-	-	89	91	91	91	92
Estimate GoC	-	-	-	-	-	-	-	●●	●●	●●	●●	●●
Official	-	-	-	-	-	-	-	89	91	91	91	92
Administrative	-	-	-	-	-	-	-	-	-	92	91	92
Survey	-	-	-	-	-	-	-	-	-	-	-	-

The WHO and UNICEF estimates of national immunization coverage (wuenic) are based on data and information that are of varying, and, in some instances, unknown quality. Beginning with the 2011 revision we describe the grade of confidence (GoC) we have in these estimates. As there is no underlying probability model upon which the estimates are based, we are unable to present classical measures of uncertainty, e.g., confidence intervals. Moreover, we have chosen not to make subjective estimates of plausibility/certainty ranges around the coverage. The GoC reflects the degree of empirical support upon which the estimates are based. It is not a judgment of the quality of data reported by national authorities.

- Estimate is supported by reported data [R+], coverage recalculated with an independent denominator from the World Population Prospects: 2024 revision from the UN Population Division (D+), and at least one supporting survey within 2 years [S+]. While well supported, the estimate still carries a risk of being wrong.
- Estimate is supported by at least one data source; [R+], [S+], or [D+]; and no data source, [R-], [D-], or [S-], challenges the estimate.
- There are no directly supporting data; or data from at least one source; [R-], [D-], [S-]; challenge the estimate.

In all cases these estimates should be used with caution and should be assessed in light of the objective for which they are being used.

Finland - MCV1



	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025
Estimate	96	95	95	94	96	96	95	93	94	94	95	95
Estimate GoC	●	●●	●●	●●	●●	●●	●●	●●	●●	●●	●●	●●
Official	-	95	95	94	96	96	95	93	94	94	95	95
Administrative	-	-	-	-	-	-	-	-	-	95	95	95
Survey	-	-	-	-	-	-	-	-	-	-	-	-

The WHO and UNICEF estimates of national immunization coverage (wuenic) are based on data and information that are of varying, and, in some instances, unknown quality. Beginning with the 2011 revision we describe the grade of confidence (GoC) we have in these estimates. As there is no underlying probability model upon which the estimates are based, we are unable to present classical measures of uncertainty, e.g., confidence intervals. Moreover, we have chosen not to make subjective estimates of plausibility/certainty ranges around the coverage. The GoC reflects the degree of empirical support upon which the estimates are based. It is not a judgment of the quality of data reported by national authorities.

- Estimate is supported by reported data [R+], coverage recalculated with an independent denominator from the World Population Prospects: 2024 revision from the UN Population Division (D+), and at least one supporting survey within 2 years [S+]. While well supported, the estimate still carries a risk of being wrong.
- Estimate is supported by at least one data source; [R+], [S+], or [D+]; and no data source, [R-], [D-], or [S-], challenges the estimate.
- There are no directly supporting data; or data from at least one source; [R-], [D-], [S-]; challenge the estimate.

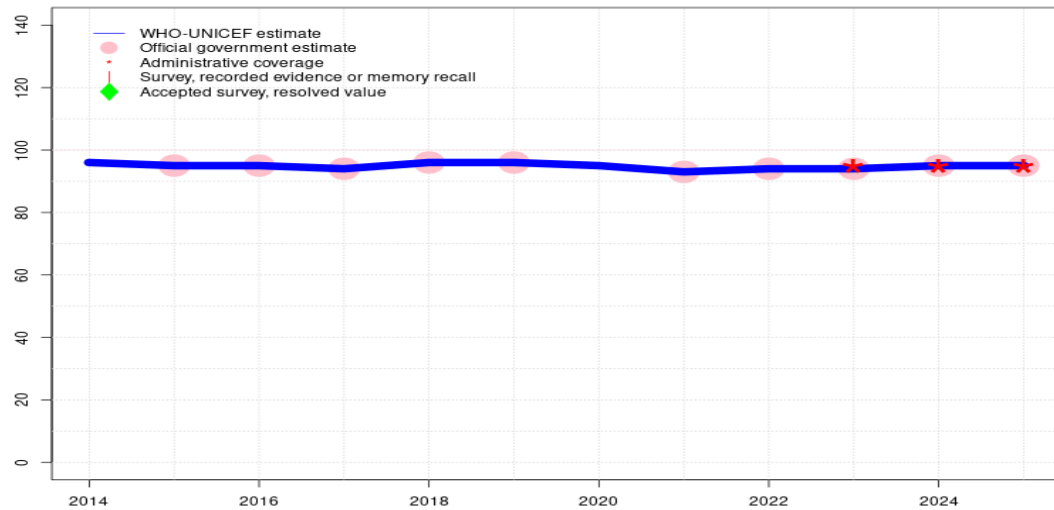
In all cases these estimates should be used with caution and should be assessed in light of the objective for which they are being used.

Description:

- 2025: Estimate informed by reported data. Official coverage based on national vaccination register. Vaccination data for the Finnish Vaccination Register is collected from patient data systems following the data model of the National Patient Data Archive. More information can be found at <https://thl.fi/en/data-and-statistics/vaccinations>. No nationally representative independent assessment for the most recent 5 annual birth cohorts. WHO and UNICEF recommend a high quality independent assessment to verify reported levels of coverage. GoC=R+
- 2024: Estimate informed by reported data. Estimate of 95 percent changed from previous revision value of 94 percent. GoC=R+
- 2023: Estimate informed by reported data. GoC=R+
- 2022: Estimate informed by reported data. GoC=R+
- 2021: Estimate informed by reported data. GoC=R+
- 2020: Estimate informed by reported data. GoC=R+
- 2019: Estimate informed by reported data. Official coverage based on national vaccination register. Vaccination data for the Finnish Vaccination Register is collected from patient data systems following the data model of the National Patient Data Archive. GoC=R+
- 2018: Estimate informed by reported data. Official coverage based on national vaccination register. Vaccination data for the Finnish Vaccination Register is collected from patient data systems following the data model of the National Patient Data Archive. GoC=R+
- 2017: Estimate informed by reported data. Official coverage based on national vaccination register. Vaccination data for the Finnish Vaccination Register is collected from patient data systems following the data model of the National Patient Data Archive. GoC=R+
- 2016: Estimate informed by reported data. GoC=R+
- 2015: Estimate informed by reported data. GoC=R+
- 2014: Estimate informed by interpolation between reported data. Programme notes that reported data are based on a random sample of 1000 children born in 2009 using data on vaccination through two years of age. Vaccination coverage is partially derived from electronic vaccination registers with further verification with child welfare clinics. GoC=No accepted empirical data

Finland - RCV1

FIN - RCV1



	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025
Estimate	96	95	95	94	96	96	95	93	94	94	95	95
Estimate GoC	●	●●	●●	●●	●●	●●	●●	●●	●●	●●	●●	●●
Official	-	95	95	94	96	96	-	93	94	94	95	95
Administrative	-	-	-	-	-	-	-	-	-	95	95	95
Survey	-	-	-	-	-	-	-	-	-	-	-	-

The WHO and UNICEF estimates of national immunization coverage (wuenic) are based on data and information that are of varying, and, in some instances, unknown quality. Beginning with the 2011 revision we describe the grade of confidence (GoC) we have in these estimates. As there is no underlying probability model upon which the estimates are based, we are unable to present classical measures of uncertainty, e.g., confidence intervals. Moreover, we have chosen not to make subjective estimates of plausibility/certainty ranges around the coverage. The GoC reflects the degree of empirical support upon which the estimates are based. It is not a judgment of the quality of data reported by national authorities.

- Estimate is supported by reported data [R+], coverage recalculated with an independent denominator from the World Population Prospects: 2024 revision from the UN Population Division (D+), and at least one supporting survey within 2 years [S+]. While well supported, the estimate still carries a risk of being wrong.
- Estimate is supported by at least one data source; [R+], [S+], or [D+]; and no data source, [R-], [D-], or [S-], challenges the estimate.
- There are no directly supporting data; or data from at least one source; [R-], [D-], [S-]; challenge the estimate.

In all cases these estimates should be used with caution and should be assessed in light of the objective for which they are being used.

Description:

2025: Estimate based on estimated MCV1. Official coverage based on national vaccination register. Vaccination data for the Finnish Vaccination Register is collected from patient data systems following the data model of the National Patient Data Archive. More information can be found at <https://thl.fi/en/data-and-statistics/vaccinations>. No nationally representative independent assessment for the most recent 5 annual birth cohorts. WHO and UNICEF recommend a high quality independent assessment to verify reported levels of coverage. GoC=R+

2024: Estimate based on estimated MCV1. Estimate of 95 percent changed from previous revision value of 94 percent. GoC=R+

2023: Estimate based on estimated MCV1. GoC=R+

2022: Estimate based on estimated MCV1. GoC=R+

2021: Estimate based on estimated MCV1. GoC=R+

2020: Estimate based on estimated MCV1. GoC=R+

2019: Estimate based on estimated MCV1. Official coverage based on national vaccination register. Vaccination data for the Finnish Vaccination Register is collected from patient data systems following the data model of the National Patient Data Archive. GoC=R+

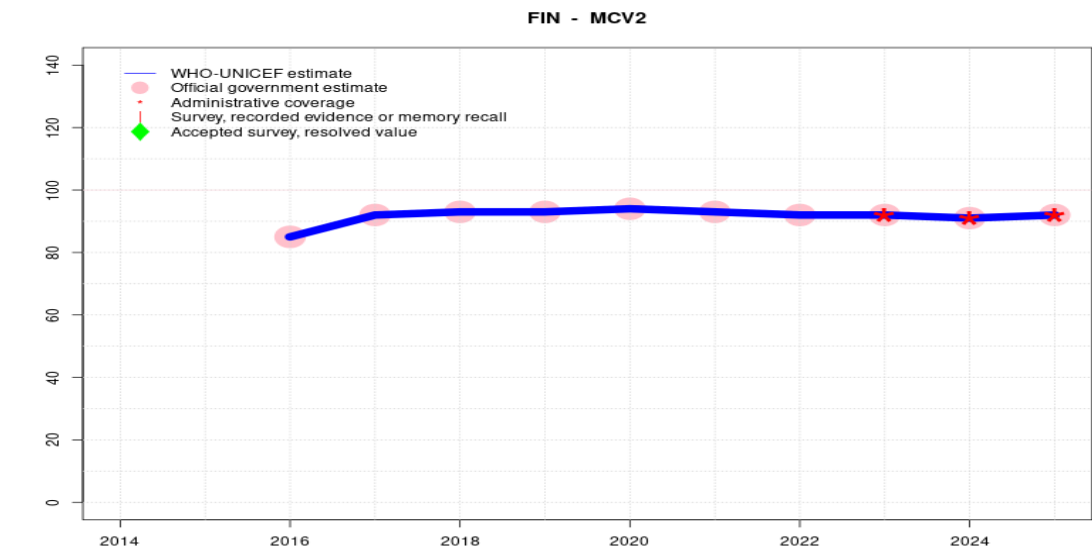
2018: Estimate based on estimated MCV1. Official coverage based on national vaccination register. Vaccination data for the Finnish Vaccination Register is collected from patient data systems following the data model of the National Patient Data Archive. GoC=R+

2017: Estimate based on estimated MCV1. Official coverage based on national vaccination register. Vaccination data for the Finnish Vaccination Register is collected from patient data systems following the data model of the National Patient Data Archive. GoC=R+

2016: Estimate based on estimated MCV1. GoC=R+

2015: Estimate based on estimated MCV1. GoC=R+

2014: Estimate based on estimated MCV1. Programme notes that reported data are based on a random sample of 1000 children born in 2009 using data on vaccination through two years of age. Vaccination coverage is partially derived from electronic vaccination registers with further verification with child welfare clinics. GoC=No accepted empirical data



	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025
Estimate	-	-	85	92	93	93	94	93	92	92	91	92
Estimate GoC	-	-	●●	●●	●●	●●	●●	●●	●●	●●	●●	●●
Official	-	-	85	92	93	93	94	93	92	92	91	92
Administrative	-	-	-	-	-	-	-	-	-	92	91	92
Survey	-	-	-	-	-	-	-	-	-	-	-	-

The WHO and UNICEF estimates of national immunization coverage (wuenic) are based on data and information that are of varying, and, in some instances, unknown quality. Beginning with the 2011 revision we describe the grade of confidence (GoC) we have in these estimates. As there is no underlying probability model upon which the estimates are based, we are unable to present classical measures of uncertainty, e.g., confidence intervals. Moreover, we have chosen not to make subjective estimates of plausibility/certainty ranges around the coverage. The GoC reflects the degree of empirical support upon which the estimates are based. It is not a judgment of the quality of data reported by national authorities.

- Estimate is supported by reported data [R+], coverage recalculated with an independent denominator from the World Population Prospects: 2024 revision from the UN Population Division (D+), and at least one supporting survey within 2 years [S+]. While well supported, the estimate still carries a risk of being wrong.
- Estimate is supported by at least one data source; [R+], [S+], or [D+]; and no data source, [R-], [D-], or [S-], challenges the estimate.
- There are no directly supporting data; or data from at least one source; [R-], [D-], [S-]; challenge the estimate.

In all cases these estimates should be used with caution and should be assessed in light of the objective for which they are being used.

Description:

- 2025: Estimate informed by reported data. Official coverage based on national vaccination register. Vaccination data for the Finnish Vaccination Register is collected from patient data systems following the data model of the National Patient Data Archive. More information can be found at <https://thl.fi/en/data-and-statistics/vaccinations>. No nationally representative independent assessment for the most recent 5 annual birth cohorts. WHO and UNICEF recommend a high quality independent assessment to verify reported levels of coverage. GoC=R+
- 2024: Estimate informed by reported data. Estimate of 91 percent changed from previous revision value of 92 percent. GoC=R+
- 2023: Estimate informed by reported data. GoC=R+
- 2022: Estimate informed by reported data. GoC=R+
- 2021: Estimate informed by reported data. GoC=R+
- 2020: Estimate informed by reported data. GoC=R+
- 2019: Estimate informed by reported data. Official coverage based on national vaccination register. Vaccination data for the Finnish Vaccination Register is collected from patient data systems following the data model of the National Patient Data Archive. GoC=R+
- 2018: Estimate informed by reported data. Official coverage based on national vaccination register. Vaccination data for the Finnish Vaccination Register is collected from patient data systems following the data model of the National Patient Data Archive. GoC=R+
- 2017: Estimate informed by reported data. Official coverage based on national vaccination register. Vaccination data for the Finnish Vaccination Register is collected from patient data systems following the data model of the National Patient Data Archive. GoC=R+
- 2016: Estimate informed by reported data. Second dose of measles containing vaccine introduced in 1982. Reporting started in 2016. GoC=R+

NOTE A survey to measure vaccination coverage for infants (i.e., children aged 0-11 months) will sample children aged 12-23 months at the time of survey to capture the youngest annual cohort of children who should have completed the vaccination schedule. Because WUENIC are for infant vaccinations, survey data in this report are presented to reflect the birth year of the youngest survey cohort. For example, results for a survey conducted during December 2020 among children aged 12-23 months at the time of the survey reflect the immunization experience of children born in 2019. Depending on the timing of survey field work, results may reflect the immunization experience of children born and vaccinated one or two years prior to the survey field work.

The survey results below present vaccination coverage estimates by antigen, confirmation method, and child’s age at the time of the survey. Coverage based on **Recall** reflects information based upon a mother’s or caregiver’s memory. Coverage

based on **Record** reflects information drawn from documented vaccination history in home- and/or facility-based records. **Evidence seen** reflects the percentage of children in the sample with documented evidence of vaccination history seen by the survey team.

1998 conducted by National Public Health Institute, KTL, Finland

Vaccine	Confirmation method	Coverage	Age cohort	Sample	Evidence seen
BCG	Record<12m	99	13-24 m	987	-
DTP3	Record<12m	99	13-24 m	987	-
MCV1	Record	96	13-24 m	987	-

Further information and estimates for previous years are available at:
<https://data.unicef.org/topic/child-health/immunization/>
<https://immunizationdata.who.int/listing.html>