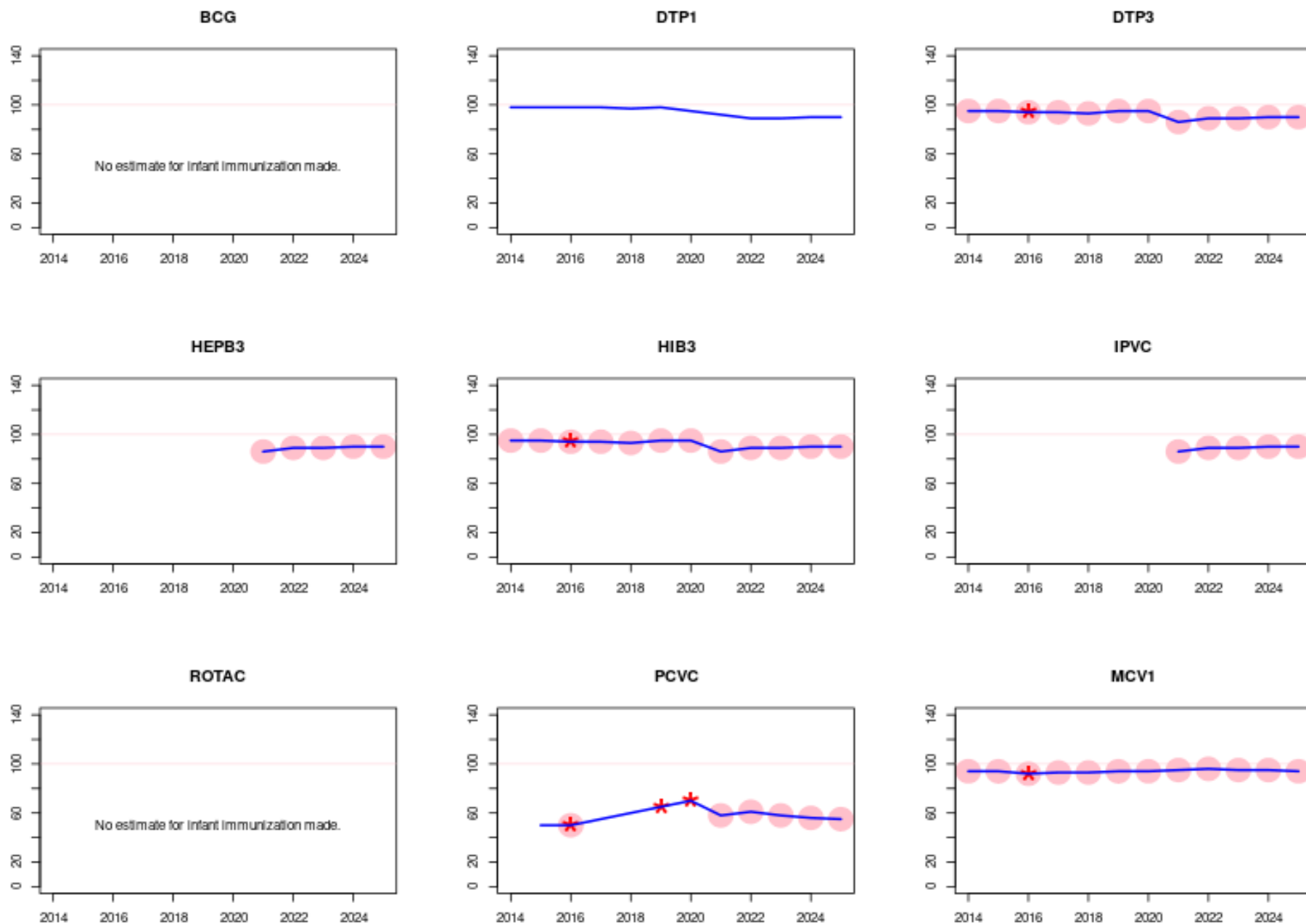




BACKGROUND NOTE Each year WHO and UNICEF jointly review reports submitted by Member States regarding national immunization coverage, finalized survey reports as well as data from published and grey literature. Based on these data, with due consideration to potential biases and the views of local experts, 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).

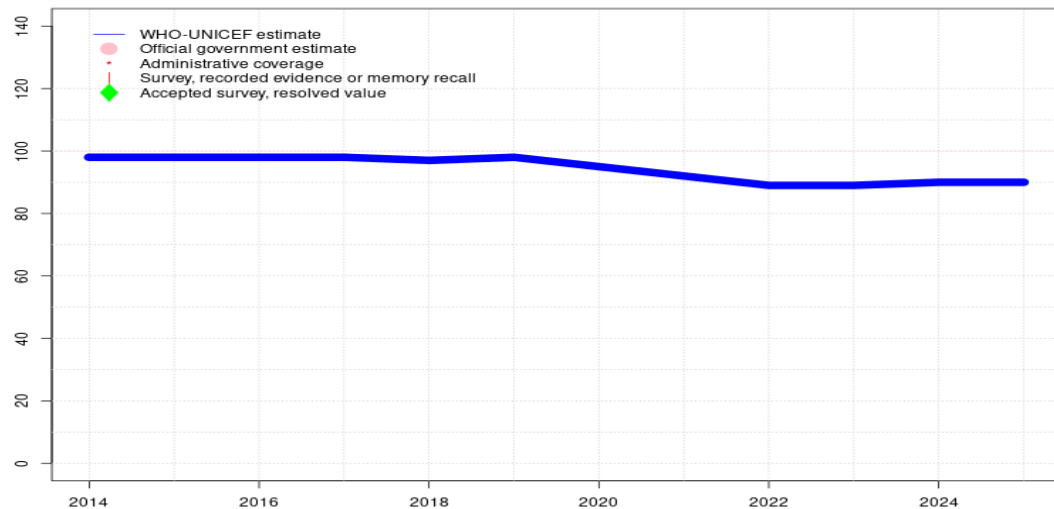
YFV: percentage of surviving infants who received one dose of yellow fever vaccine in countries where YFV is part of the national immunization schedule for children or is recommended in at risk areas; coverage estimates are annualized for the entire cohort of surviving infants.

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.

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Slovenia - DTP1

SVN - DTP1



	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025
Estimate	98	98	98	98	97	98	95	92	89	89	90	90
Estimate GoC	●	●	●	●	●	●	●	●	●	●	●	●
Official	-	-	-	-	-	-	-	-	-	-	-	-
Administrative	-	-	-	-	-	-	-	-	-	-	-	-
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.

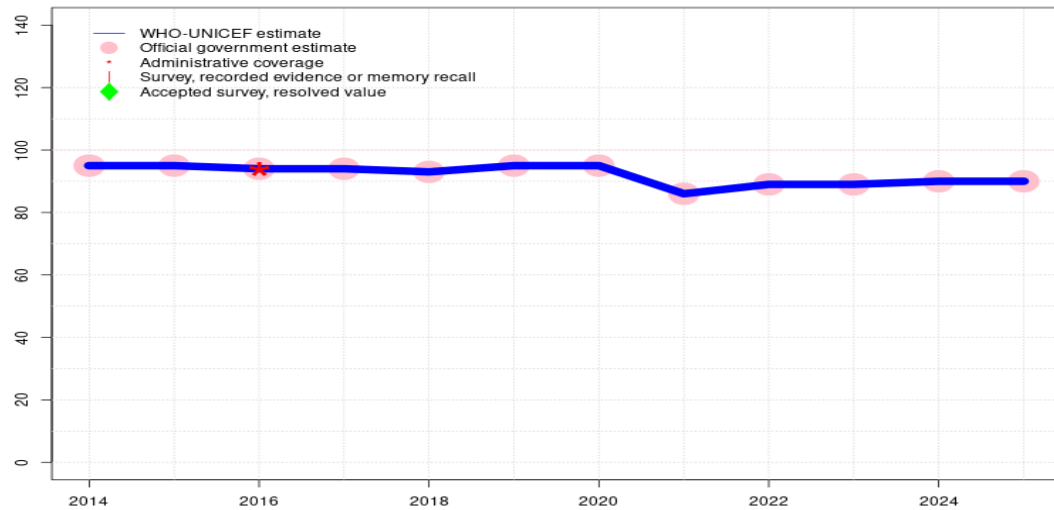
In all cases these estimates should be used with caution and should be assessed in light of the objective for which they are being used.

Description:

- 2025: Estimate informed by estimated DTP3 coverage assuming no dropout. GoC=No accepted empirical data
- 2024: Estimate informed by estimated DTP3 coverage assuming no dropout. GoC=No accepted empirical data
- 2023: Estimate informed by estimated DTP3 coverage assuming no dropout. GoC=No accepted empirical data
- 2022: Estimate informed by estimated DTP3 coverage assuming no dropout. GoC=No accepted empirical data
- 2021: Estimate informed by estimated DTP3 coverage assuming no dropout. Decline in coverage between 2020 and 2021 is the result of COVID-19 pandemic disruptions. GoC=No accepted empirical data
- 2020: Estimate informed by estimated DTP3 coverage assuming no dropout. Reported coverage derived from an assessment of a random sample of children from the information system. GoC=No accepted empirical data
- 2019: Estimate informed by estimated DTP3 coverage adjusted for dropout. GoC=No accepted empirical data
- 2018: Estimate informed by estimated DTP3 coverage adjusted for dropout. GoC=No accepted empirical data
- 2017: Estimate informed by estimated DTP3 coverage adjusted for dropout. GoC=No accepted empirical data
- 2016: Estimate informed by estimated DTP3 coverage adjusted for dropout. GoC=No accepted empirical data
- 2015: Estimate informed by estimated DTP3 coverage adjusted for dropout. GoC=No accepted empirical data
- 2014: Estimate informed by estimated DTP3 coverage adjusted for dropout. GoC=No accepted empirical data

Slovenia - DTP3

SVN - DTP3



	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025
Estimate	95	95	94	94	93	95	95	86	89	89	90	90
Estimate GoC	●●	●●	●●	●●	●●	●●	●●	●●	●●	●●	●●	●●
Official	95	95	94	94	93	95	95	86	89	89	90	90
Administrative	-	-	94	-	-	-	-	-	-	-	-	-
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.

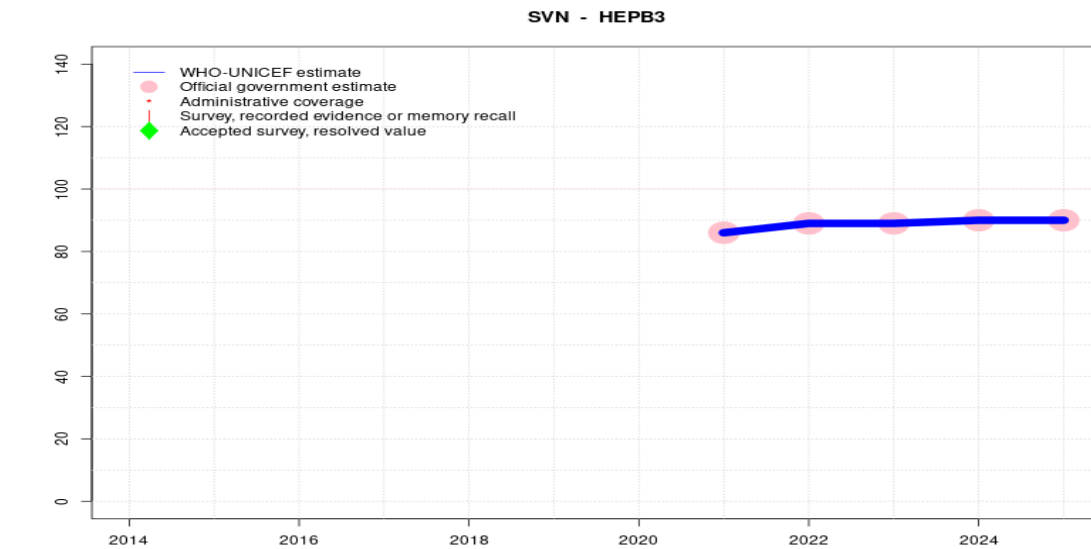
- Estimate is supported by reported data [R+], coverage recalculated with an independent denominator from the World Population Prospects: 2024 revision from the UN Population Division (D+), and at least one supporting survey within 2 years [S+]. While well supported, the estimate still carries a risk 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. Reported official coverage for preschool children based on a random sample of children obtained from the immunization information system (eRCO). To assess 3rd dose coverage, the birth cohort for the period January to December 2023 was used. GoC=R+
- 2024: Estimate informed by reported data. Reported official coverage for preschool children based on a random sample of children obtained from the immunization information system (eRCO). To assess 3rd dose coverage, the birth cohort for the period January to December 2022 was used. GoC=R+
- 2023: Estimate informed by reported data. Reported official coverage for preschool children based on a random sample of children obtained from the immunization information system (eRCO). To assess 3rd dose coverage, the birth cohort for the period January to December 2021 was used. GoC=R+
- 2022: Estimate informed by reported data. Reported official coverage for preschool children based on a random sample of children obtained from the immunization information system (eRCO). To assess 3rd dose coverage, the birth cohort for the period January to December 2020 was used. The proportion vaccinated was estimated with an accuracy of +/-1.5 percent, random sampling and an assumption of 93 percent vaccination leading to a sample size of 1200 children which corresponds to nearly 5 percent of all children in the annual birth cohort. To further improve representativeness, a stratified random sample of 6 percent of children in each health region was selected. GoC=R+
- 2021: Estimate informed by reported data. Decline in coverage between 2020 and 2021 is the result of COVID-19 pandemic disruptions. GoC=R+
- 2020: Estimate informed by reported data. Reported coverage derived from an assessment of a random sample of children from the information system. GoC=R+
- 2019: Estimate informed by reported data. GoC=R+
- 2018: Estimate informed by reported data. GoC=R+
- 2017: Estimate informed by reported data. GoC=R+
- 2016: Estimate informed by reported data. GoC=R+ D+
- 2015: Estimate informed by reported data. GoC=R+
- 2014: Estimate informed by reported data. GoC=R+

Slovenia - HEPB3



	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025
Estimate	-	-	-	-	-	-	-	86	89	89	90	90
Estimate GoC	-	-	-	-	-	-	-	●●	●●	●●	●●	●●
Official	-	-	-	-	-	-	-	86	89	89	90	90
Administrative	-	-	-	-	-	-	-	-	-	-	-	-
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.

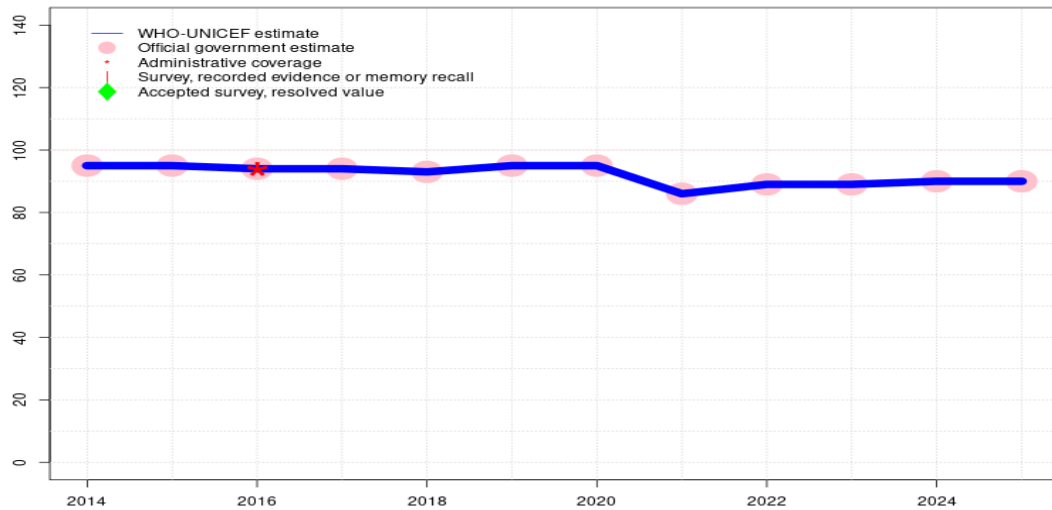
In all cases these estimates should be used with caution and should be assessed in light of the objective for which they are being used.

Description:

- 2025: Estimate informed by reported data. Reported official coverage for preschool children based on a random sample of children obtained from the immunization information system (eRCO). To assess 3rd dose coverage, the birth cohort for the period January to December 2023 was used. GoC=R+
- 2024: Estimate informed by reported data. Reported official coverage for preschool children based on a random sample of children obtained from the immunization information system (eRCO). To assess 3rd dose coverage, the birth cohort for the period January to December 2022 was used. GoC=R+
- 2023: Estimate informed by reported data. Reported official coverage for preschool children based on a random sample of children obtained from the immunization information system (eRCO). To assess 3rd dose coverage, the birth cohort for the period January to December 2021 was used. GoC=R+
- 2022: Estimate informed by reported data. Reported official coverage for preschool children based on a random sample of children obtained from the immunization information system in 2020 (eRCO). To assess 3rd dose coverage, the birth cohort for the period January to December 2020 was used. The proportion vaccinated was estimated with an accuracy of +/-1.5 percent, random sampling and an assumption of 93 percent vaccination leading to a sample size of 1200 children which corresponds to nearly 5 percent of all children in the annual birth cohort. To further improve representativeness, a stratified random sample of 6 percent of children in each health region was selected. GoC=R+
- 2021: Estimate informed by reported data. Hexavalent vaccine DTaP-IPV-Hib-HepB introduced in 2020, reporting for HepB 3 started for 2021. GoC=R+

Slovenia - HIB3

SVN - HIB3



	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025
Estimate	95	95	94	94	93	95	95	86	89	89	90	90
Estimate GoC	●●	●●	●●	●●	●●	●●	●●	●●	●●	●●	●●	●●
Official	95	95	94	94	93	95	95	86	89	89	90	90
Administrative	-	-	94	-	-	-	-	-	-	-	-	-
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.

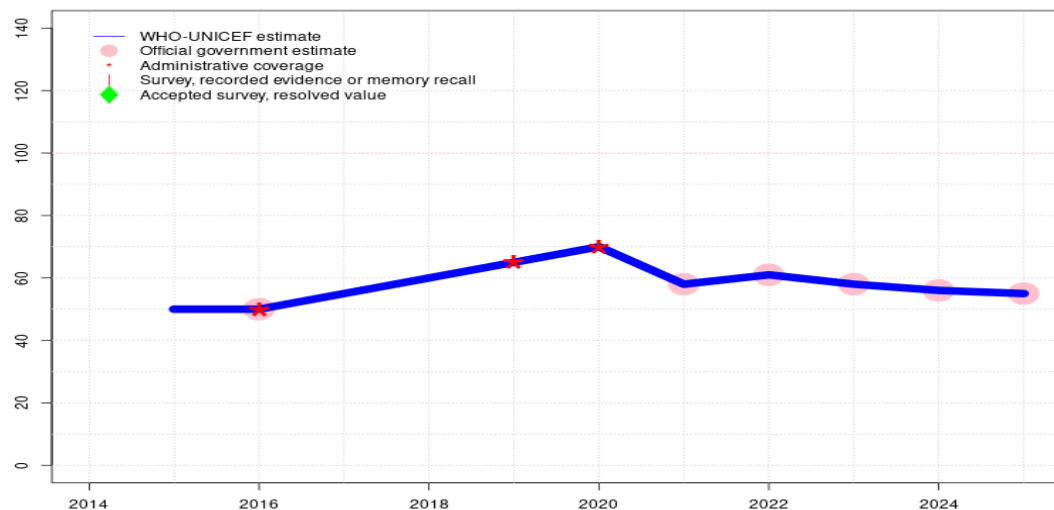
In all cases these estimates should be used with caution and should be assessed in light of the objective for which they are being used.

Description:

- 2025: Estimate informed by reported data. Reported official coverage for preschool children based on a random sample of children obtained from the immunization information system (eRCO). To assess 3rd dose coverage, the birth cohort for the period January to December 2023 was used. GoC=R+
- 2024: Estimate informed by reported data. Reported official coverage for preschool children based on a random sample of children obtained from the immunization information system (eRCO). To assess 3rd dose coverage, the birth cohort for the period January to December 2022 was used. GoC=R+
- 2023: Estimate informed by reported data. Reported official coverage for preschool children based on a random sample of children obtained from the immunization information system (eRCO). To assess 3rd dose coverage, the birth cohort for the period January to December 2021 was used. GoC=R+
- 2022: Estimate informed by reported data. Reported official coverage for preschool children based on a random sample of children obtained from the immunization information system in 2020 (eRCO). To assess 3rd dose coverage, the birth cohort for the period January to December 2020 was used. The proportion vaccinated was estimated with an accuracy of +/-1.5 percent, random sampling and an assumption of 93 percent vaccination leading to a sample size of 1200 children which corresponds to nearly 5 percent of all children in the annual birth cohort. To further improve representativeness, a stratified random sample of 6 percent of children in each health region was selected. GoC=R+
- 2021: Estimate informed by reported data. Decline in coverage between 2020 and 2021 is the result of COVID-19 pandemic disruptions. GoC=R+
- 2020: Estimate informed by reported data. Reported coverage derived from an assessment of a random sample of children from the information system. GoC=R+
- 2019: Estimate informed by reported data. GoC=R+
- 2018: Estimate informed by reported data. GoC=R+
- 2017: Estimate informed by reported data. GoC=R+
- 2016: Estimate informed by reported data. GoC=R+ D+
- 2015: Estimate informed by reported data. GoC=R+
- 2014: Estimate informed by reported data. GoC=R+

Slovenia - PCVC

SVN - PCVC



	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025
Estimate	-	50	50	55	60	65	70	58	61	58	56	55
Estimate GoC	-	•	••	•	•	•	•	••	••	••	••	••
Official	-	-	50	-	-	-	-	58	61	58	56	55
Administrative	-	-	50	-	-	65	70	-	-	-	-	-
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.

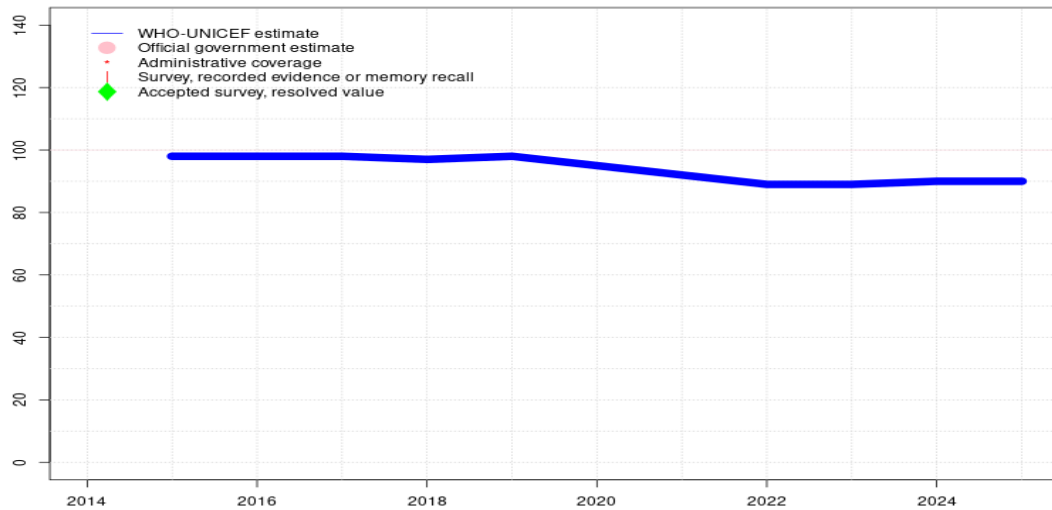
In all cases these estimates should be used with caution and should be assessed in light of the objective for which they are being used.

Description:

- 2025: Estimate informed by reported data. Reported official coverage for preschool children based on a random sample of children obtained from the immunization information system (eRCO). To assess 3rd dose coverage, the birth cohort for the period January to December 2023 was used. GoC=R+
- 2024: Estimate informed by reported data. Reported official coverage for preschool children based on a random sample of children obtained from the immunization information system (eRCO). To assess 3rd dose coverage, the birth cohort for the period January to December 2022 was used. GoC=R+
- 2023: Estimate informed by reported data. Reported official coverage for preschool children based on a random sample of children obtained from the immunization information system (eRCO). To assess 3rd dose coverage, the birth cohort for the period January to December 2021 was used. GoC=R+
- 2022: Estimate informed by reported data. Reported official coverage for preschool children based on a random sample of children obtained from the immunization information system in 2020 (eRCO). To assess 3rd dose coverage, the birth cohort for the period January to December 2020 was used. The proportion vaccinated was estimated with an accuracy of +/-1.5 percent, random sampling and an assumption of 93 percent vaccination leading to a sample size of 1200 children which corresponds to nearly 5 percent of all children in the annual birth cohort. To further improve representativeness, a stratified random sample of 6 percent of children in each health region was selected. GoC=R+
- 2021: Estimate informed by reported data. Reported coverage is for the third dose of PCV and not the second dose as in previous years. GoC=R+
- 2020: Estimate informed by reported coverage for second dose of PCV. Coverage for the third or booster dose not reported. Reported coverage derived from an assessment of a random sample of children from the information system. Estimate challenged by: R-
- 2019: Estimate informed by reported coverage for second dose of PCV. Coverage for the third or booster dose not reported. Estimate challenged by: R-
- 2018: Estimate informed by reported coverage for second dose of PCV. Coverage for the third or booster dose not reported. GoC=No accepted empirical data
- 2017: Estimate informed by reported coverage for second dose of PCV. Coverage for the third or booster dose not reported. GoC=No accepted empirical data
- 2016: Estimate informed by reported data. Reported official coverage based on mandatory reports from healthcare providers, which is believed to cover at least 95 percent of all children registered in the central population registry of Slovenia. GoC=R+ D+
- 2015: Estimate informed by extrapolation from reported data. Pneumococcal conjugate vaccine introduced in 2015 using a 2+1 schedule. Reported official coverage based on mandatory reports from healthcare providers, which is believed to cover at least 95 percent of all children registered in the central population registry of Slovenia. GoC=No accepted empirical data

Slovenia - IPV1

SVN - IPV1



Description:

2025: Estimate informed by estimated DTP1 coverage. GoC=No accepted empirical data
2024: Estimate informed by estimated DTP1 coverage. GoC=No accepted empirical data
2023: Estimate informed by estimated DTP1 coverage. GoC=No accepted empirical data
2022: Estimate informed by estimated DTP1 coverage. GoC=No accepted empirical data
2021: Estimate informed by estimated DTP1 coverage. Decline in coverage between 2020 and 2021 is the result of COVID-19 pandemic disruptions. GoC=No accepted empirical data
2020: Estimate informed by estimated DTP1 coverage. Reported coverage derived from an assessment of a random sample of children from the information system. GoC=No accepted empirical data
2019: Estimate informed by estimated DTP1 coverage. GoC=No accepted empirical data
2018: Estimate based on estimated DTP1 coverage. GoC=No accepted empirical data
2017: Estimate informed by estimated DTP1 coverage. GoC=No accepted empirical data
2016: Estimate informed by estimated DTP1 coverage. GoC=No accepted empirical data
2015: Inactivated polio vaccine administered as part of DTP-Hib-IPV combination vaccine. Estimate informed by estimated DTP1 coverage. GoC=No accepted empirical data

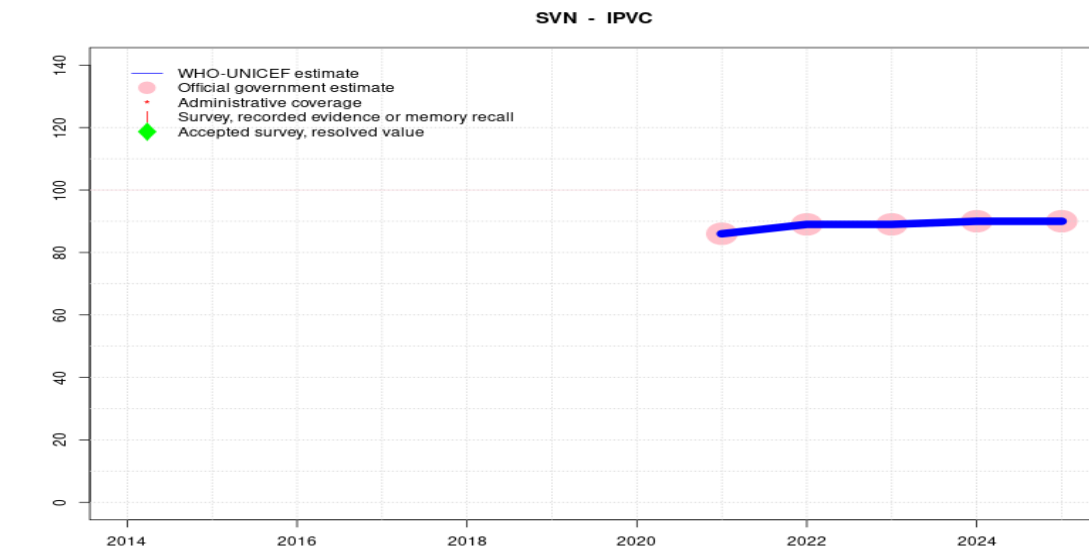
	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025
Estimate	-	98	98	98	97	98	95	92	89	89	90	90
Estimate GoC	-	●	●	●	●	●	●	●	●	●	●	●
Official	-	-	-	-	-	-	-	-	-	-	-	-
Administrative	-	-	-	-	-	-	-	-	-	-	-	-
Survey	-	-	-	-	-	-	-	-	-	-	-	-

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.

Slovenia - IPV1



Description:

2025: Estimate informed by reported data. Reported official coverage for preschool children based on a random sample of children obtained from the immunization information system (eRCO). To assess 3rd dose coverage, the birth cohort for the period January to December 2023 was used. 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+

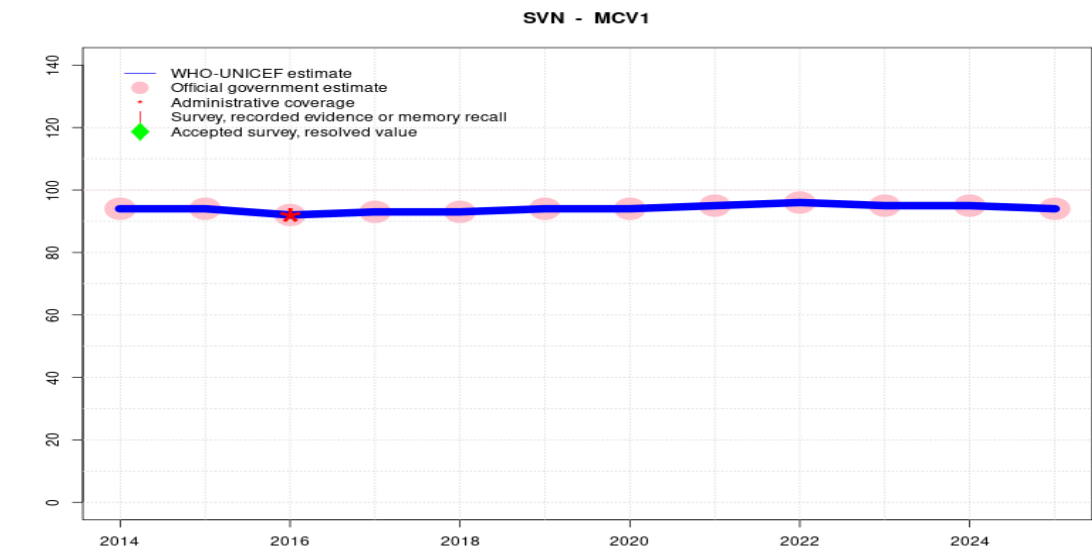
2021: Estimate informed by reported data. Second dose of inactivated polio vaccine introduced prior to 2021. GoC=R+

	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025
Estimate	-	-	-	-	-	-	-	86	89	89	90	90
Estimate GoC	-	-	-	-	-	-	-	●●	●●	●●	●●	●●
Official	-	-	-	-	-	-	-	86	89	89	90	90
Administrative	-	-	-	-	-	-	-	-	-	-	-	-
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	94	94	92	93	93	94	94	95	96	95	95	94
Estimate GoC	●●	●●	●●	●●	●●	●●	●●	●●	●●	●●	●●	●●
Official	94	94	92	93	93	94	94	95	96	95	95	94
Administrative	-	-	92	-	-	-	-	-	-	-	-	-
Survey	-	-	-	-	-	-	-	-	-	-	-	-

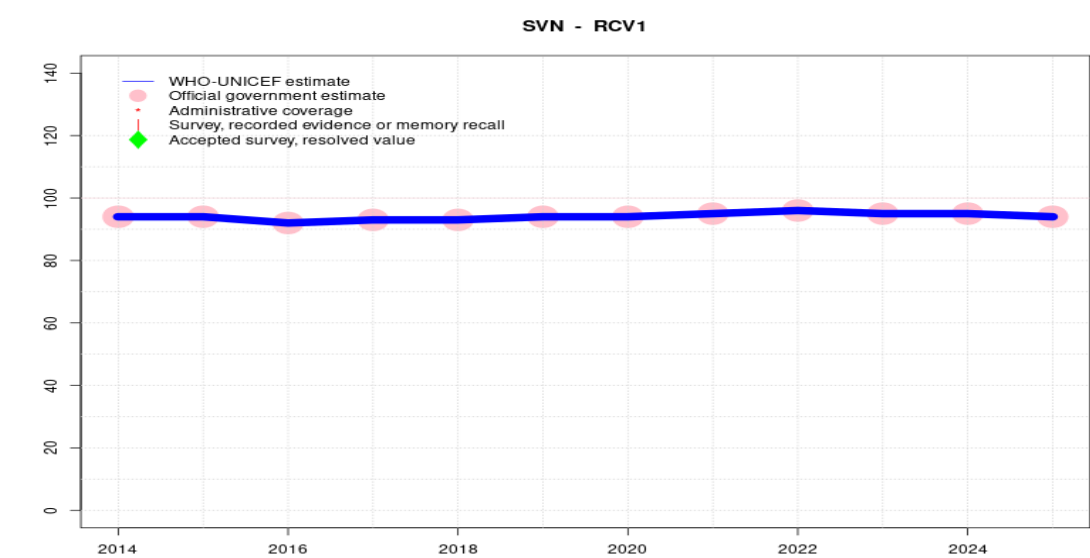
The WHO and UNICEF estimates of national immunization coverage (wuenic) are based on data and information that are of varying, and, in some instances, unknown quality. Beginning with the 2011 revision we describe the grade of confidence (GoC) we have in these estimates. As there is no underlying probability 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. Reported official coverage for preschool children based on a random sample of children obtained from the immunization information system (eRCO). To assess 1st dose coverage, the birth cohort for the period January to December 2023 was used. GoC=R+
- 2024: Estimate informed by reported data. Estimate informed by reported data. Reported official coverage for preschool children based on a random sample of children obtained from the immunization information system (eRCO). To assess 1st dose coverage, the birth cohort for the period January to December 2022 was used. GoC=R+
- 2023: Estimate informed by reported data. Reported official coverage for preschool children based on a random sample of children obtained from the immunization information system (eRCO). To assess 1st dose coverage, the birth cohort for the period January to December 2021 was used. GoC=R+
- 2022: Estimate informed by reported data. Reported official coverage for preschool children based on a random sample of children obtained from the immunization information system in 2020 (eRCO). To assess 1st dose coverage, the birth cohort for the period January to December 2020 was used. The proportion vaccinated was estimated with an accuracy of +/-1.5 percent, random sampling and an assumption of 93 percent vaccination leading to a sample size of 1200 children which corresponds to nearly 5 percent of all children in the annual birth cohort. To further improve representativeness, a stratified random sample of 6 percent of children in each health region was selected. GoC=R+
- 2021: Estimate informed by reported data. GoC=R+
- 2020: Estimate informed by reported data. Reported coverage derived from an assessment of a random sample of children from the information system. GoC=R+
- 2019: Estimate informed by reported data. GoC=R+
- 2018: Estimate informed by reported data. GoC=R+
- 2017: Estimate informed by reported data. GoC=R+
- 2016: Estimate informed by reported data. GoC=R+ D+
- 2015: Estimate informed by reported data. GoC=R+
- 2014: Estimate informed by reported data. GoC=R+



Description:

2025: Estimate based on estimated MCV1. GoC=R+

2024: Estimate based on estimated MCV1. 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. Reported coverage derived from an assessment of a random sample of children from the information system. GoC=R+

2019: Estimate based on estimated MCV1. GoC=R+

2018: Estimate based on estimated MCV1. GoC=R+

2017: Estimate based on estimated MCV1. GoC=R+

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

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

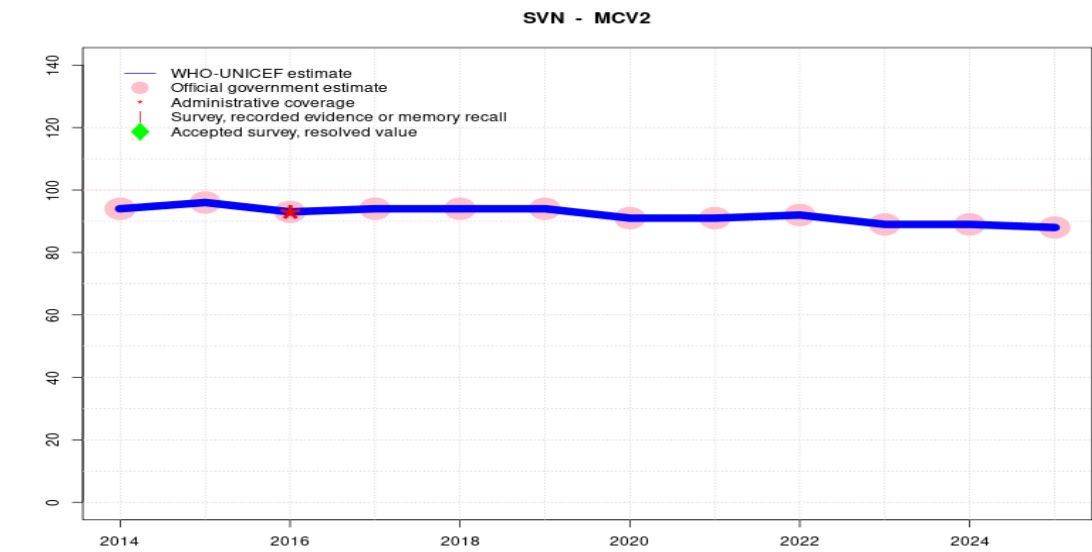
2014: Estimate based on estimated MCV1. GoC=R+

	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025
Estimate	94	94	92	93	93	94	94	95	96	95	95	94
Estimate GoC	●●	●●	●●	●●	●●	●●	●●	●●	●●	●●	●●	●●
Official	94	94	92	93	93	94	94	95	96	95	95	94
Administrative	-	-	-	-	-	-	-	-	-	-	-	-
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	94	96	93	94	94	94	91	91	92	89	89	88
Estimate GoC	●●	●●	●●	●●	●●	●●	●●	●●	●●	●●	●●	●●
Official	94	96	93	94	94	94	91	91	92	89	89	88
Administrative	-	-	93	-	-	-	-	-	-	-	-	-
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. Reported official coverage for preschool children based on a random sample of children obtained from the immunization information system (eRCO). To assess 2nd dose coverage, the birth cohort for the period January to December 2018 was used. GoC=R+
- 2024: Estimate informed by reported data. Reported official coverage for preschool children based on a random sample of children obtained from the immunization information system (eRCO). To assess 2nd dose coverage, the birth cohort for the period January to December 2017 was used. GoC=R+
- 2023: Estimate informed by reported data. Reported official coverage for preschool children based on a random sample of children obtained from the immunization information system (eRCO). Coverage reflects the 2016 birth cohort. GoC=R+
- 2022: Estimate informed by reported data. Reported official coverage for preschool children based on a random sample of children obtained from the immunization information system (eRCO). To assess 2nd dose coverage, the birth cohort for the period January to December 2015 was used. The proportion vaccinated was estimated with an accuracy of +/-1.5 percent, random sampling and an assumption of 93 percent vaccination leading to a sample size of 1000 children which corresponds to nearly 5 percent of all children in the annual birth cohort. To further improve representativeness, a stratified random sample of 6 percent of children in each health region was selected. GoC=R+
- 2021: Estimate informed by reported data. Reported official coverage obtained from mandatory reports from healthcare providers (school doctors) from school years 2020-2021. GoC=R+
- 2020: Estimate informed by reported data. Reported coverage derived from an assessment of a random sample of children from the information system. Reported official coverage obtained from mandatory reports from healthcare providers (school doctors) from school years 2019-2020. GoC=R+
- 2019: Estimate informed by reported data. GoC=R+
- 2018: Estimate informed by reported data. GoC=R+
- 2017: Estimate informed by reported data. GoC=R+
- 2016: Estimate informed by reported data. GoC=R+ D+
- 2015: Estimate informed by reported data. GoC=R+
- 2014: Estimate informed by reported data. GoC=R+

Further information and estimates for previous years are available at:

<https://data.unicef.org/topic/child-health/immunization/>

<https://immunizationdata.who.int/listing.html>