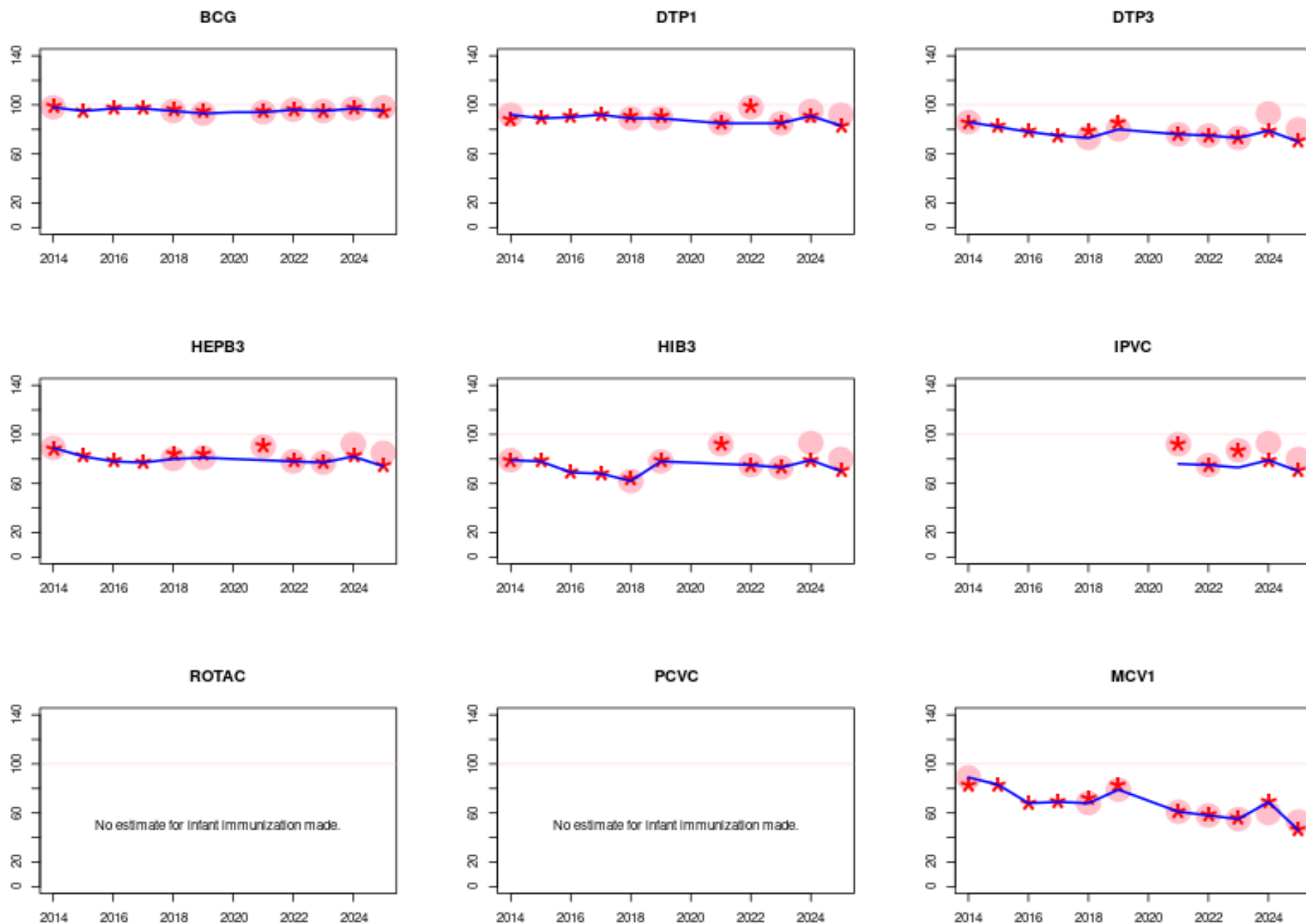




BACKGROUND NOTE Each year WHO and UNICEF jointly review reports submitted by Member States regarding national immunization coverage, finalized survey reports as well as data from published and grey literature. Based on these data, with due consideration to potential biases and the views of local experts,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

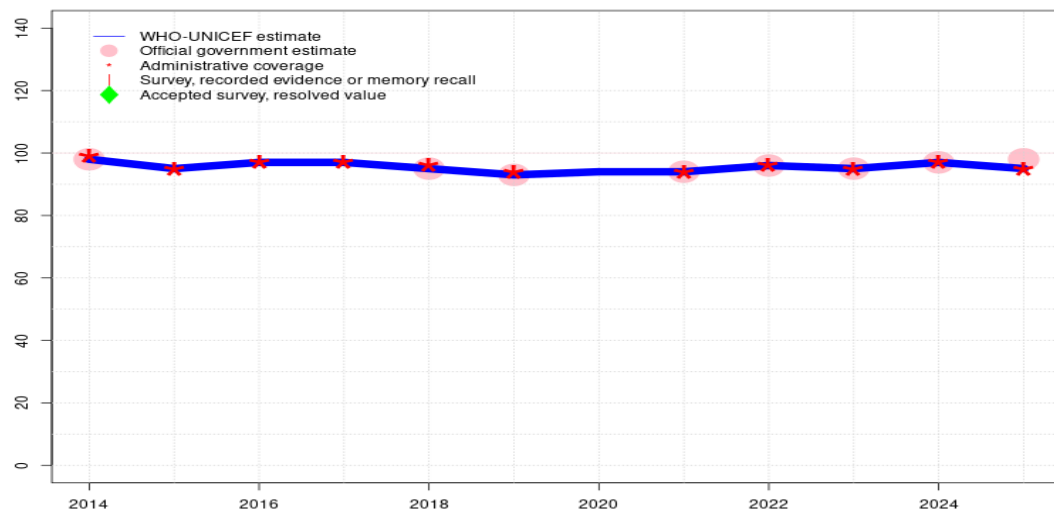
YFV: percentage of surviving infants who received one dose of yellow fever vaccine in countries where YFV is part of the national immunization schedule for children or is recommended in at risk areas; coverage estimates are annualized for the entire cohort of surviving infants.

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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Bosnia and Herzegovina - BCG

BIH - BCG



Description:

- 2025: Estimate informed by reported administrative data. No nationally representative household survey for the most recent 5 annual birth cohorts. WHO and UNICEF recommend a high quality survey to verify reported levels of coverage. Method for deriving the official estimates not explained. GoC=R+ D+
- 2024: Estimate informed by reported administrative data. Method for deriving the official estimates not explained. GoC=R+ D+
- 2023: Estimate informed by reported data. GoC=R+ D+
- 2022: Estimate informed by reported data. GoC=R+ D+
- 2021: Estimate informed by reported data. GoC=R+ D+
- 2020: Estimate informed by interpolation between reported data. GoC=No accepted empirical data
- 2019: Estimate informed by reported data. GoC=R+ D+
- 2018: Estimate informed by reported data. GoC=R+ D+
- 2017: Estimate informed by reported administrative data. Programme reports one month national stockout and disruption in services because of district level stockouts. Estimate challenged by: D-
- 2016: Estimate informed by reported administrative data. GoC=R+ D+
- 2015: Estimate informed by reported administrative data. GoC=R+ D+
- 2014: Estimate informed by reported data. GoC=R+ D+

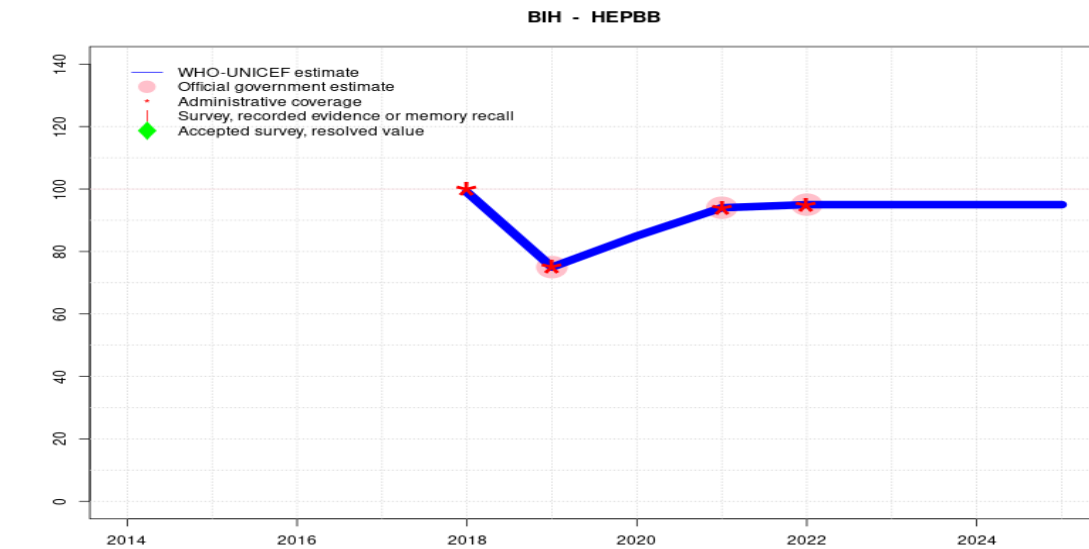
	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025
Estimate	98	95	97	97	95	93	94	94	96	95	97	95
Estimate GoC	●●	●●	●●	●	●●	●●	●	●●	●●	●●	●●	●●
Official	98	-	-	-	95	93	-	94	96	95	97	98
Administrative	99	95	97	97	96	94	-	94	96	95	97	95
Survey	-	-	-	-	-	-	-	-	-	-	-	-

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.

Bosnia and Herzegovina - HEPBB



Description:

- 2025: Estimate informed by extrapolation from reported data. No nationally representative household survey for the most recent 5 annual birth cohorts. WHO and UNICEF recommend a high quality survey to verify reported levels of coverage. Method for deriving the official estimates not explained. GoC=No accepted empirical data
- 2024: Estimate informed by extrapolation from reported data. Method for deriving the official estimates not explained. GoC=No accepted empirical data
- 2023: Estimate informed by extrapolation from reported data. GoC=No accepted empirical data
- 2022: Estimate informed by reported data. Estimate challenged by: D-
- 2021: Estimate informed by reported data. Estimate challenged by: D-
- 2020: Estimate informed by interpolation between reported data. GoC=No accepted empirical data
- 2019: Estimate informed by reported data. Estimate challenged by: D-
- 2018: Estimate informed by reported administrative data. Estimate challenged by: D-

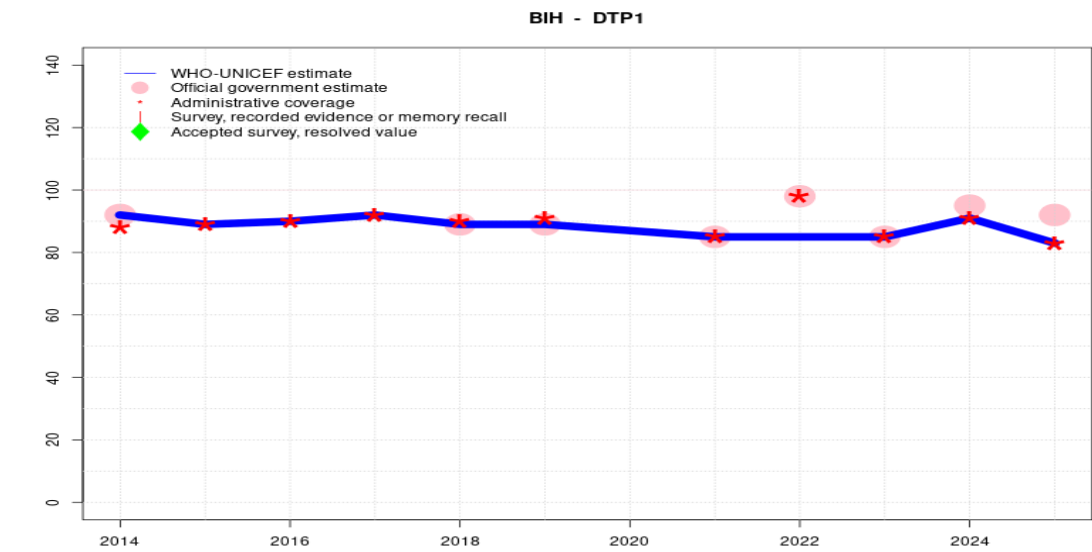
	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025
Estimate	-	-	-	-	99	75	85	94	95	95	95	95
Estimate GoC	-	-	-	-	●	●	●	●	●	●	●	●
Official	-	-	-	-	-	75	-	94	95	-	-	-
Administrative	-	-	-	-	100	75	-	94	95	-	-	-
Survey	-	-	-	-	-	-	-	-	-	-	-	-

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.

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Bosnia and Herzegovina - DTP1



	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025
Estimate	92	89	90	92	89	89	87	85	85	85	91	83
Estimate GoC	●●	●●	●●	●	●●	●●	●	●●	●	●	●●	●●
Official	92	-	-	-	89	89	-	85	98	85	95	92
Administrative	88	89	90	92	90	91	-	85	98	85	91	83
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.

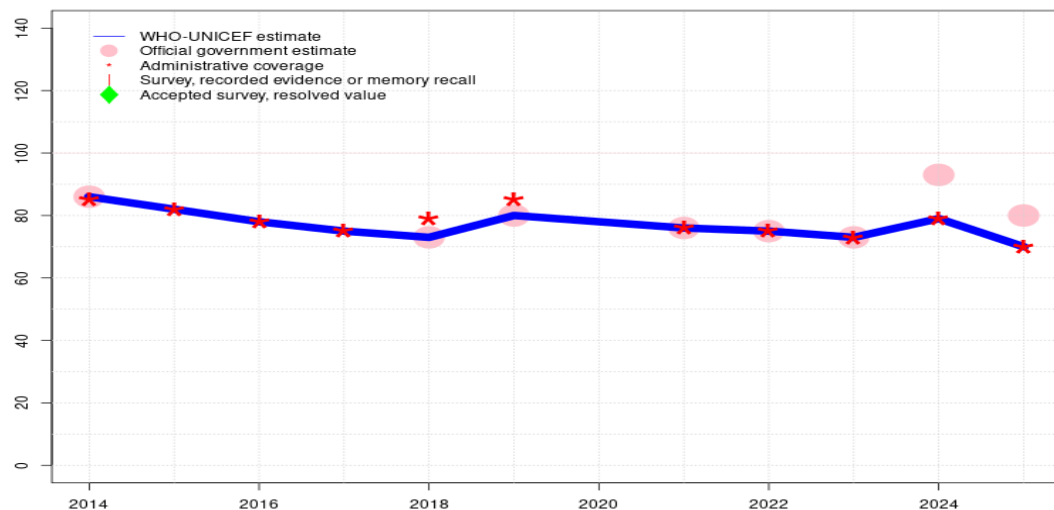
In all cases these estimates should be used with caution and should be assessed in light of the objective for which they are being used.

Description:

- 2025: Estimate informed by reported administrative data. No nationally representative household survey for the most recent 5 annual birth cohorts. WHO and UNICEF recommend a high quality survey to verify reported levels of coverage. Method for deriving the official estimates not explained. GoC=R+ D+
- 2024: Estimate informed by reported administrative data. Method for deriving the official estimates not explained. GoC=R+ D+
- 2023: Estimate informed by reported data. Estimate challenged by: D-
- 2022: Estimate informed by interpolation between reported data. Reported data excluded due to an increase from 85 percent to 98 percent with decrease to 85 percent. Programme reports two months vaccine stockout at national and subnational levels. Estimate challenged by: D-
- 2021: Estimate informed by reported data. GoC=R+ D+
- 2020: Estimate informed by interpolation between reported data. GoC=No accepted empirical data
- 2019: Estimate informed by reported data. GoC=R+ D+
- 2018: Estimate informed by reported data. GoC=R+ D+
- 2017: Estimate informed by reported administrative data. Programme reports one month national stockout and disruption in services because of district level stockouts. Estimate challenged by: D-
- 2016: Estimate informed by reported administrative data. GoC=R+ D+
- 2015: Estimate informed by reported administrative data. GoC=R+ D+
- 2014: Estimate informed by reported data. Programme reports a six month stockout of DTP containing vaccine. GoC=R+ D+

Bosnia and Herzegovina - DTP3

BIH - DTP3



Description:

- 2025: Estimate informed by reported administrative data. No nationally representative household survey for the most recent 5 annual birth cohorts. WHO and UNICEF recommend a high quality survey to verify reported levels of coverage. Method for deriving the official estimates not explained. GoC=R+ D+
- 2024: Estimate informed by reported administrative data. Method for deriving the official estimates not explained. GoC=R+ D+
- 2023: Estimate informed by reported data. GoC=R+ D+
- 2022: Estimate informed by reported data. Programme reports two months vaccine stockout at national and subnational levels. GoC=R+ D+
- 2021: Estimate informed by reported data. GoC=R+ D+
- 2020: Estimate informed by interpolation between reported data. GoC=No accepted empirical data
- 2019: Estimate informed by reported data. GoC=R+ D+
- 2018: Estimate informed by reported data. GoC=R+ D+
- 2017: Estimate informed by reported administrative data. Programme reports one month national stockout and disruption in services because of district level stockouts. Estimate challenged by: D-
- 2016: Estimate informed by reported administrative data. GoC=R+ D+
- 2015: Estimate informed by reported administrative data. GoC=R+ D+
- 2014: Estimate informed by reported data. Programme reports a six month stockout of DTP containing vaccine. GoC=R+ D+

	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025
Estimate	86	82	78	75	73	80	78	76	75	73	79	70
Estimate GoC	●●	●●	●●	●	●●	●●	●	●●	●●	●●	●●	●●
Official	86	-	-	-	73	80	-	76	75	73	93	80
Administrative	85	82	78	75	79	85	-	76	75	73	79	70
Survey	-	-	-	-	-	-	-	-	-	-	-	-

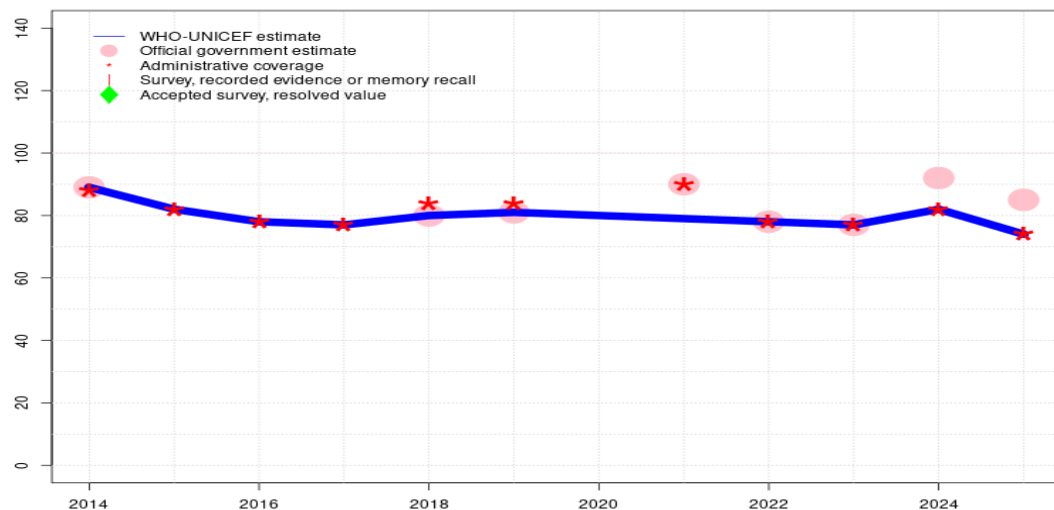
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- Estimate is supported by reported data [R+], coverage recalculated with an independent denominator from the World Population Prospects: 2024 revision from the UN Population Division (D+), and at least one supporting survey within 2 years [S+]. While 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.

Bosnia and Herzegovina - HEPB3

BIH - HEPB3



	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025
Estimate	89	82	78	77	80	81	80	79	78	77	82	74
Estimate GoC	●●	●●	●●	●	●●	●●	●	●	●●	●●	●●	●●
Official	89	-	-	-	80	81	-	90	78	77	92	85
Administrative	88	82	78	77	84	84	-	90	78	77	82	74
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.

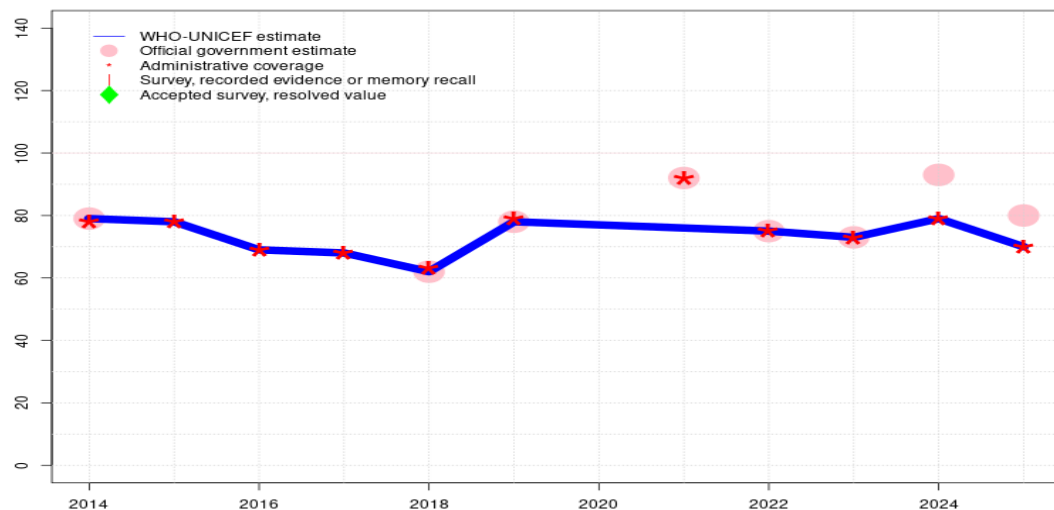
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Description:

- 2025: Estimate informed by reported administrative data. No nationally representative household survey for the most recent 5 annual birth cohorts. WHO and UNICEF recommend a high quality survey to verify reported levels of coverage. Method for deriving the official estimates not explained. GoC=R+ D+
- 2024: Estimate informed by reported administrative data. Method for deriving the official estimates not explained. GoC=R+ D+
- 2023: Estimate informed by reported data. GoC=R+ D+
- 2022: Estimate informed by reported data. GoC=R+ D+
- 2021: Estimate informed by interpolation between reported data. Reported data excluded. Unexplained differences in reported coverage for antigens recommended at the same age. Estimate challenged by: D-
- 2020: Estimate informed by interpolation between reported data. GoC=No accepted empirical data
- 2019: Estimate informed by reported data. GoC=R+ D+
- 2018: Estimate informed by reported data. GoC=R+ D+
- 2017: Estimate informed by reported administrative data. Estimate challenged by: D-
- 2016: Estimate informed by reported administrative data. GoC=R+ D+
- 2015: Estimate informed by reported administrative data. GoC=R+ D+
- 2014: Estimate informed by reported data. Programme reports a two months stockout of HepB containing vaccine. GoC=R+ D+

Bosnia and Herzegovina - HIB3

BIH - HIB3



	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025
Estimate	79	78	69	68	62	78	77	76	75	73	79	70
Estimate GoC	●●	●●	●	●●	●	●	●	●	●●	●●	●●	●●
Official	79	-	-	-	62	78	-	92	75	73	93	80
Administrative	78	78	69	68	63	79	-	92	75	73	79	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.

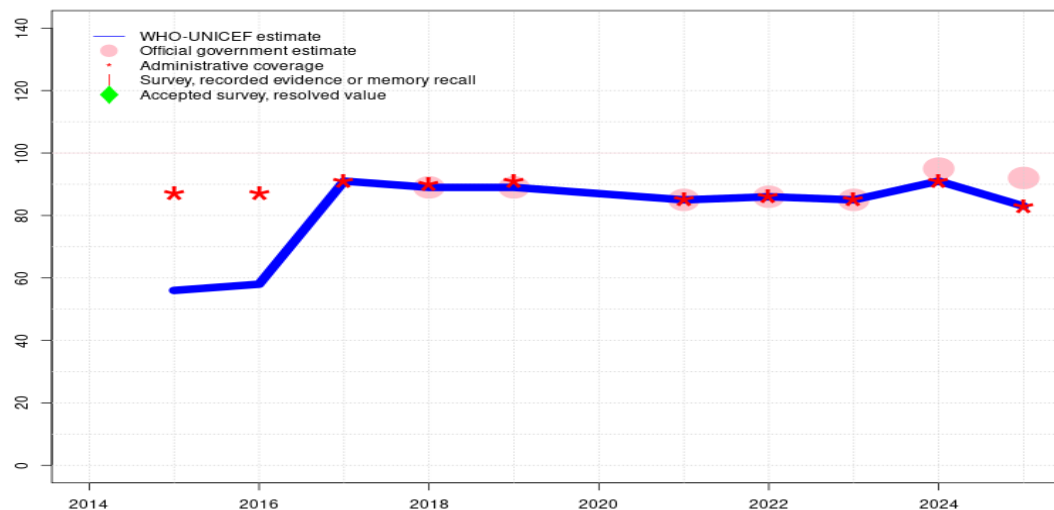
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Description:

- 2025: Estimate informed by reported administrative data. No nationally representative household survey for the most recent 5 annual birth cohorts. WHO and UNICEF recommend a high quality survey to verify reported levels of coverage. Method for deriving the official estimates not explained. GoC=R+ D+
- 2024: Estimate informed by reported administrative data. Method for deriving the official estimates not explained. GoC=R+ D+
- 2023: Estimate informed by reported data. GoC=R+ D+
- 2022: Estimate informed by reported data. GoC=R+ D+
- 2021: Estimate informed by interpolation between reported data. Reported data excluded. Unexplained differences in reported coverage for antigens recommended at the same age and indicated in the schedule as a combination vaccine DTP-Hib-IPV. Estimate challenged by: D-
- 2020: Estimate informed by interpolation between reported data. GoC=No accepted empirical data
- 2019: Estimate informed by reported data. Estimate challenged by: D-
- 2018: Estimate informed by reported data. Estimate challenged by: D-
- 2017: Estimate informed by reported administrative data. Programme reports one month national stockout and disruption in services because of district level stockouts. GoC=R+ D+
- 2016: Estimate informed by reported administrative data. Estimate challenged by: D-
- 2015: Estimate informed by reported administrative data. GoC=R+ D+
- 2014: Estimate informed by reported data. Programme reports a six month stockout of Hib containing vaccine. GoC=R+ D+

Bosnia and Herzegovina - IPV1

BIH - IPV1



Description:

- 2025: Estimate informed by reported administrative data. No nationally representative household survey for the most recent 5 annual birth cohorts. WHO and UNICEF recommend a high quality survey to verify reported levels of coverage. Method for deriving the official estimates not explained. GoC=R+ D+
- 2024: Estimate informed by reported administrative data. Method for deriving the official estimates not explained. GoC=R+ D+
- 2023: Estimate informed by reported data. GoC=R+ D+
- 2022: Estimate informed by reported data. GoC=R+ D+
- 2021: Estimate informed by reported data. GoC=R+ D+
- 2020: Estimate informed by interpolation between reported data. GoC=No accepted empirical data
- 2019: Estimate informed by reported data. GoC=R+ D+
- 2018: Estimate informed by reported data. GoC=R+ D+
- 2017: Estimate informed by reported administrative data. Programme reports one month national stockout and disruption in services because of district level stockouts. Inactivated polio vaccine is now recommended in entire country. Estimate challenged by: D-
- 2016: Programme reports 87 percent coverage in 67 percent of the target population. Estimate informed by annualized coverage achieved in the national target population. Estimate challenged by: R-
- 2015: Programme reports 87 percent coverage achieved in 65 percent of the national target population. Estimate informed by coverage achieved in the total annual infant population. Inactivated polio vaccine introduced subnationally since 2008. Estimate challenged by: R-

	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025
Estimate	-	56	58	91	89	89	87	85	86	85	91	83
Estimate GoC	-	•	•	•	••	••	•	••	••	••	••	••
Official	-	-	-	-	89	89	-	85	86	85	95	92
Administrative	-	87	87	91	90	91	-	85	86	85	91	83
Survey	-	-	-	-	-	-	-	-	-	-	-	-

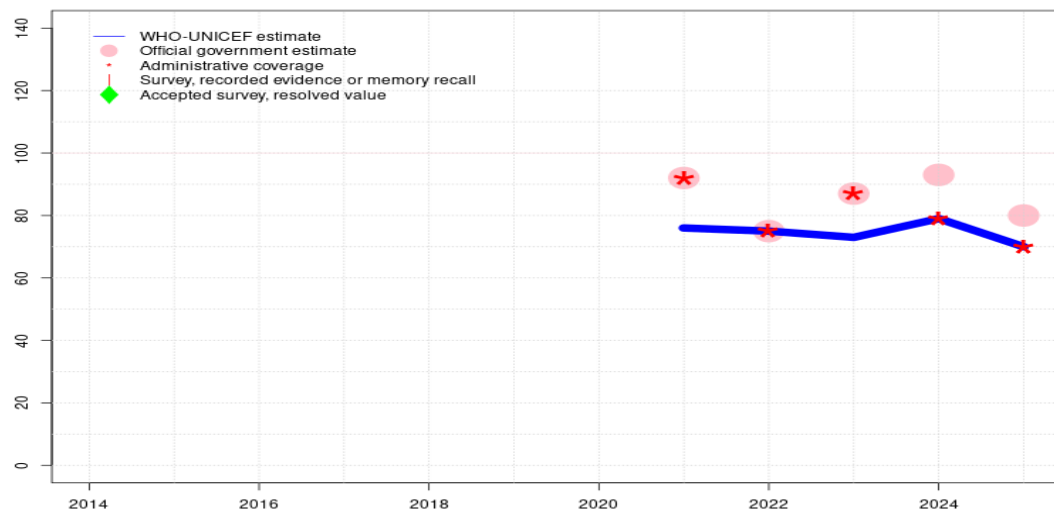
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- Estimate is supported by reported data [R+], coverage recalculated with an independent denominator from the World Population Prospects: 2024 revision from the UN Population Division (D+), and at least one supporting survey within 2 years [S+]. While 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.

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Bosnia and Herzegovina - IPVC

BIH - IPVC



Description:

- 2025: Estimate informed by reported administrative data. No nationally representative household survey for the most recent 5 annual birth cohorts. WHO and UNICEF recommend a high quality survey to verify reported levels of coverage. Method for deriving the official estimates not explained. GoC=R+ D+
- 2024: Estimate informed by reported administrative data. Method for deriving the official estimates not explained. GoC=R+ D+
- 2023: Estimate based on estimated DTP3 coverage. Estimate challenged by: D-R-
- 2022: Estimate based on estimated DTP3 coverage. Reported data excluded due to decline in reported coverage from 92 percent to 75 percent with increase to 87 percent. Estimate challenged by: R-
- 2021: Estimate based on estimated DTP3 coverage. Three doses of inactivated polio vaccine introduced prior to 2021. Estimate challenged by: D-R-

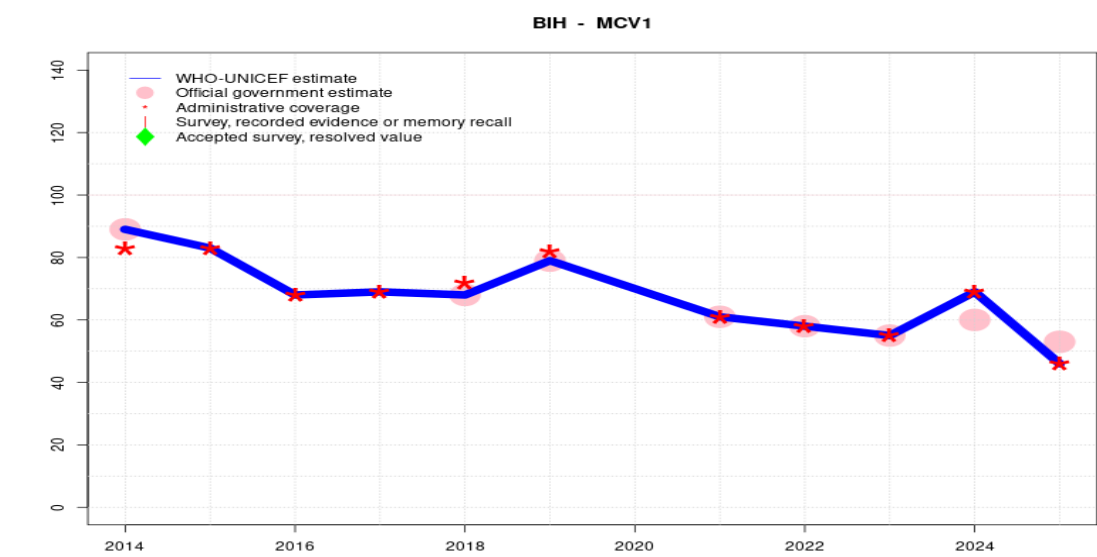
	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025
Estimate	-	-	-	-	-	-	-	76	75	73	79	70
Estimate GoC	-	-	-	-	-	-	-	●	●	●	●●	●●
Official	-	-	-	-	-	-	-	92	75	87	93	80
Administrative	-	-	-	-	-	-	-	92	75	87	79	70
Survey	-	-	-	-	-	-	-	-	-	-	-	-

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.

Bosnia and Herzegovina - MCV1



Description:

- 2025: Estimate informed by reported administrative data. No nationally representative household survey for the most recent 5 annual birth cohorts. WHO and UNICEF recommend a high quality survey to verify reported levels of coverage. WHO and UNICEF express concern regarding the decline in MCV1 coverage. Efforts should be intensified to restore and increase coverage levels, as the current trend heightens the risk of measles and rubella resurgence. Method for deriving the official estimates not explained. GoC=R+ D+
- 2024: Estimate informed by reported administrative data. Method for deriving the official estimates not explained. GoC=R+ D+
- 2023: Estimate informed by reported data. GoC=R+ D+
- 2022: Estimate informed by reported data. GoC=R+ D+
- 2021: Estimate informed by reported data. GoC=R+ D+
- 2020: Estimate informed by interpolation between reported data. GoC=No accepted empirical data
- 2019: Estimate informed by reported data. GoC=R+ D+
- 2018: Estimate informed by reported data. GoC=R+ D+
- 2017: Estimate informed by reported administrative data. Estimate challenged by: D-
- 2016: Estimate informed by reported administrative data. GoC=R+ D+
- 2015: Estimate informed by reported administrative data. GoC=R+ D+
- 2014: Estimate informed by reported data. Estimate challenged by: D-

	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025
Estimate	89	83	68	69	68	79	70	61	58	55	69	46
Estimate GoC	●	●●	●●	●	●●	●●	●	●●	●●	●●	●●	●●
Official	89	-	-	-	68	79	-	61	58	55	60	53
Administrative	83	83	68	69	72	82	-	61	58	55	69	46
Survey	-	-	-	-	-	-	-	-	-	-	-	-

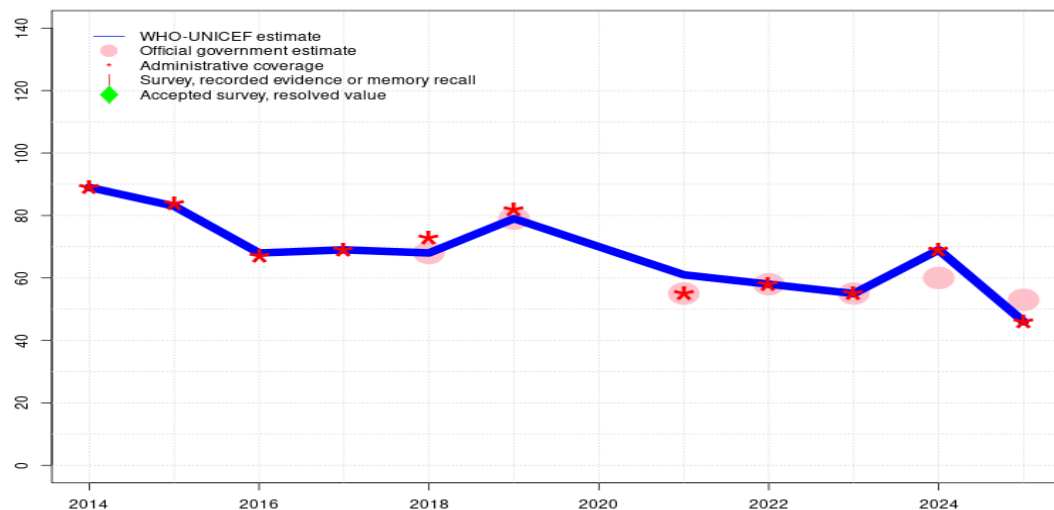
The WHO and UNICEF estimates of national immunization coverage (wuenic) are based on data and information that are of varying, and, in some instances, unknown quality. Beginning with the 2011 revision we describe the grade of confidence (GoC) we have in these estimates. As there is no underlying probability 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.

Bosnia and Herzegovina - RCV1

BIH - RCV1



Description:

- 2025: Estimate based on estimated MCV1. Reported data excluded due to sudden change in coverage from 69 to 46 percent. No nationally representative household survey for the most recent 5 annual birth cohorts. WHO and UNICEF recommend a high quality survey to verify reported levels of coverage. WHO and UNICEF express concern regarding the decline in RCV1 coverage. Efforts should be intensified to restore and increase coverage levels, as the current trend heightens the risk of measles and rubella resurgence. Method for deriving the official estimates not explained. GoC=R+ D+
- 2024: Estimate based on estimated MCV1. Reported data excluded due to an increase from 55 percent to 69 percent with decrease to 46 percent. Method for deriving the official estimates not explained. GoC=R+ D+
- 2023: Estimate based on estimated MCV1. GoC=R+ D+
- 2022: Estimate based on estimated MCV1. GoC=R+ D+
- 2021: Estimate based on estimated MCV1. GoC=R+ D+
- 2020: Estimate based on estimated MCV1. GoC=No accepted empirical data
- 2019: Estimate based on estimated MCV1. GoC=R+ D+
- 2018: Estimate based on estimated MCV1. GoC=R+ D+
- 2017: Estimate based on estimated MCV1. Estimate challenged by: D-
- 2016: Estimate based on estimated MCV1. GoC=R+ D+
- 2015: Estimate based on estimated MCV1. GoC=R+ D+
- 2014: Estimate based on estimated MCV1. Estimate challenged by: D-

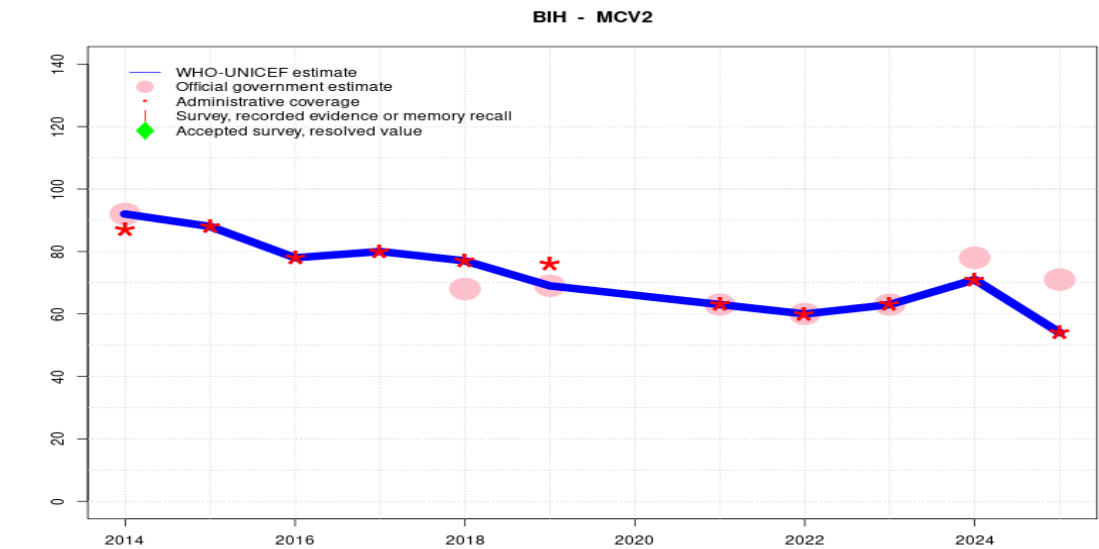
	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025
Estimate	89	83	68	69	68	79	70	61	58	55	69	46
Estimate GoC	●	●●	●●	●	●●	●●	●	●●	●●	●●	●●	●●
Official	-	-	-	-	68	79	-	55	58	55	60	53
Administrative	89	84	67	69	73	82	-	55	58	55	69	46
Survey	-	-	-	-	-	-	-	-	-	-	-	-

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.

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Bosnia and Herzegovina - MCV2



Description:

- 2025: Estimate informed by reported administrative data. No nationally representative household survey for the most recent 5 annual birth cohorts. WHO and UNICEF recommend a high quality survey to verify reported levels of coverage. WHO and UNICEF express concern regarding the decline in MCV2 coverage. Efforts should be intensified to restore and increase coverage levels, as the current trend heightens the risk of measles and rubella resurgence. Method for deriving the official estimates not explained. GoC=R+ D+
- 2024: Estimate informed by reported administrative data. Method for deriving the official estimates not explained. GoC=R+ D+
- 2023: Estimate informed by reported data. GoC=R+ D+
- 2022: Estimate informed by reported data. GoC=R+ D+
- 2021: Estimate informed by reported data. GoC=R+ D+
- 2020: Estimate informed by interpolation between reported data. GoC=No accepted empirical data
- 2019: Estimate informed by reported data. GoC=R+ D+
- 2018: Estimate informed by reported administrative data. Estimate based on administrative reported coverage. Inconsistent adjustment from administrative coverage to official. GoC=R+ D+
- 2017: Estimate informed by reported administrative data. Estimate challenged by: D-
- 2016: Estimate informed by reported administrative data. GoC=R+ D+
- 2015: Estimate informed by reported administrative data. GoC=R+ D+
- 2014: Estimate informed by reported data. Estimate challenged by: D-

	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025
Estimate	92	88	78	80	77	69	66	63	60	63	71	54
Estimate GoC	●	●●	●●	●	●●	●●	●	●●	●●	●●	●●	●●
Official	92	-	-	-	68	69	-	63	60	63	78	71
Administrative	87	88	78	80	77	76	-	63	60	63	71	54
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.

Bosnia and Herzegovina - Survey Details

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.

2010 The Bosnia and Herzegovina Multiple Indicator Cluster Survey 2011–2012

Vaccine	Confirmation method	Coverage	Age cohort	Sample	Evidence seen
BCG	Recall	10	18-29 m	-	91
BCG	Record	89.3	18-29 m	-	91
BCG	Record or Recall	99.3	18-29 m	463	91
BCG	Record or Recall<12m	97.8	18-29 m	-	91
DTP1	Recall	8.6	18-29 m	-	91
DTP1	Record	88.9	18-29 m	-	91
DTP1	Record or Recall	97.5	18-29 m	463	91
DTP1	Record or Recall<12m	95.2	18-29 m	-	91
DTP3	Recall	7.4	18-29 m	-	91
DTP3	Record	84.8	18-29 m	-	91
DTP3	Record or Recall	92.2	18-29 m	463	91
DTP3	Record or Recall<12m	85.5	18-29 m	-	91
HEPBB	Recall	6	18-29 m	-	91
HEPBB	Record	90.8	18-29 m	-	91
HEPBB	Record or Recall	96.8	18-29 m	463	91
HEPBB	Record or Recall<12m	95.4	18-29 m	-	91
MCV1	Recall	7.6	18-29 m	-	91
MCV1	Record	80.2	18-29 m	-	91

MCV1	Record or Recall	87.8	18-29 m	463	91
MCV1	Record or Recall<18m	79.9	18-29 m	-	91

2004 Bosnia and Herzegovina Multiple Indicator Cluster Survey 2006

Vaccine	Confirmation method	Coverage	Age cohort	Sample	Evidence seen
BCG	Recall	22.6	18-29 m	636	-
BCG	Record	73.9	18-29 m	636	-
BCG	Record or Recall	96.5	18-29 m	636	-
BCG	Record or Recall<12m	95.8	18-29 m	636	-
DTP1	Recall	18	18-29 m	636	-
DTP1	Record	76	18-29 m	636	-
DTP1	Record or Recall	94	18-29 m	636	-
DTP1	Record or Recall<12m	93.4	18-29 m	636	-
DTP3	Recall	14.1	18-29 m	636	-
DTP3	Record	72	18-29 m	636	-
DTP3	Record or Recall	86.2	18-29 m	636	-
DTP3	Record or Recall<12m	78	18-29 m	636	-
MCV1	Recall	12.6	18-29 m	636	-
MCV1	Record	65.4	18-29 m	636	-
MCV1	Record or Recall	78	18-29 m	636	-
MCV1	Record or Recall<12m	75	18-29 m	636	-

1999 Household Survey of Women and Children, Bosnia and Herzegovina 2000 (MICS), 2001, Draft

Vaccine	Confirmation method	Coverage	Age cohort	Sample	Evidence seen
BCG	Recall	16.9	12-23 m	480	79
BCG	Record	78.3	12-23 m	480	79
BCG	Record or Recall	95.2	12-23 m	480	79
BCG	Record or Recall<12m	95.2	12-23 m	480	79
DTP1	Recall	14.6	12-23 m	480	79
DTP1	Record	77.9	12-23 m	480	79
DTP1	Record or Recall	92.5	12-23 m	480	79
DTP1	Record or Recall<12m	91.3	12-23 m	480	79
DTP3	Recall	12.5	12-23 m	480	79
DTP3	Record	75.2	12-23 m	480	79

DTP3	Record or Recall	87.7	12-23 m	480	79	MCV1	Record or Recall	64.4	12-23 m	480	79
DTP3	Record or Recall<12m	84.8	12-23 m	480	79	MCV1	Record or Recall<12m	24.6	12-23 m	480	79
MCV1	Recall	10.8	12-23 m	480	79						
MCV1	Record	53.5	12-23 m	480	79						

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