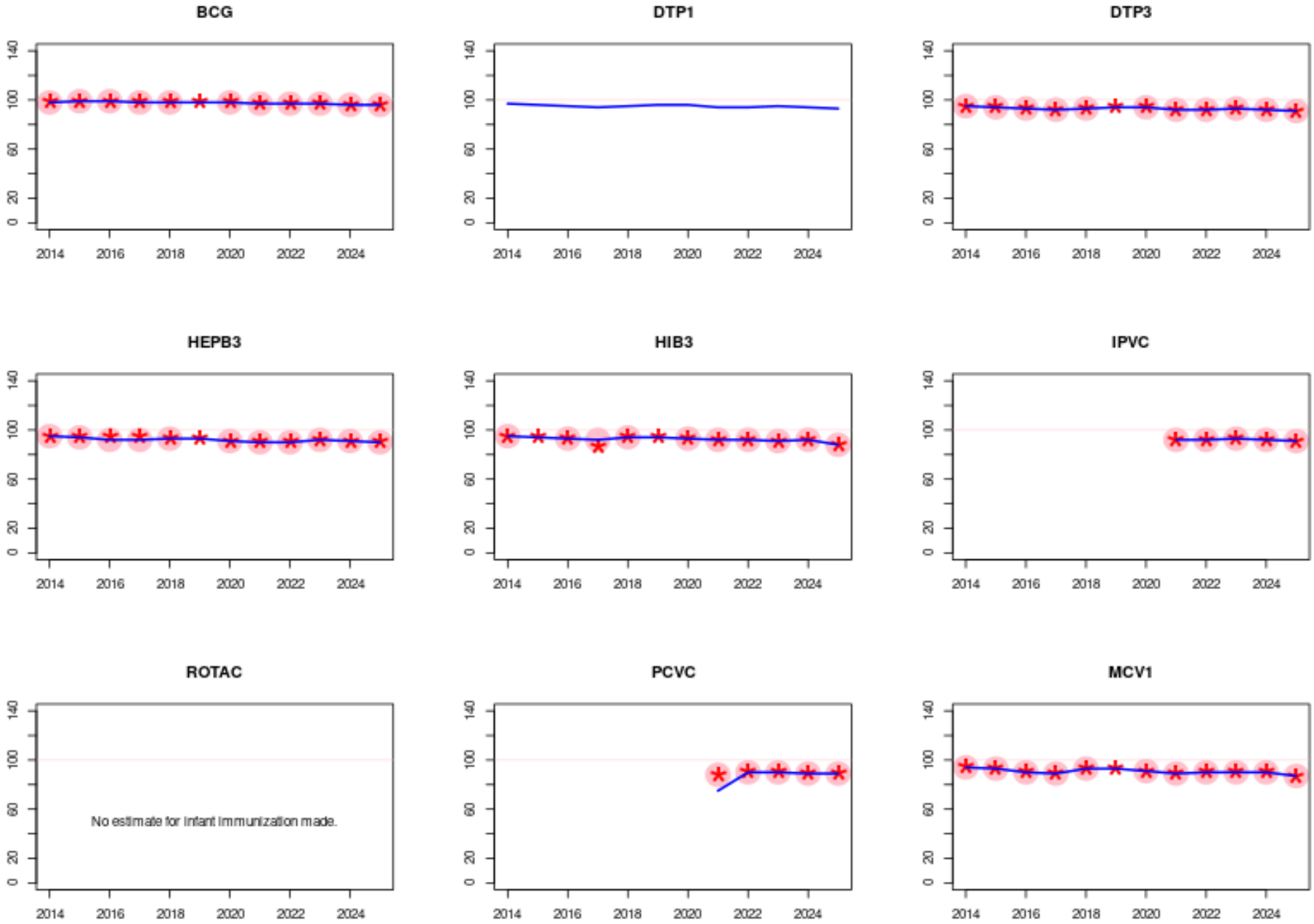

BCG
DTP1
DTP3
HEPB3
HIB3
IPVC
ROTAC
No estimate for infant immunization made.
PCVC
MCV1
0
20
60
100
140
2014
2016
2018
2020
2022
2024

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.

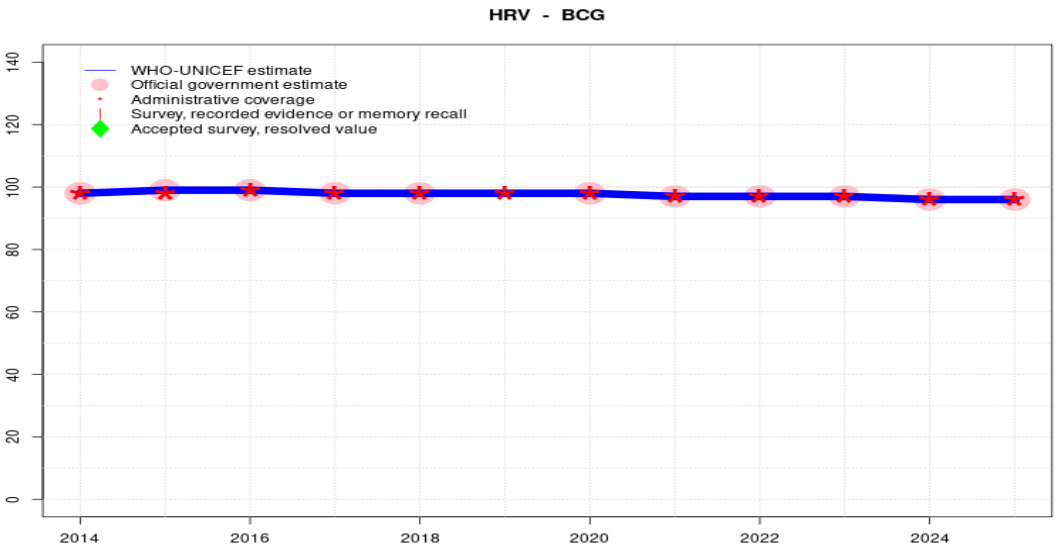
ROTAC: percentage of surviving infants who received the final recommended dose of rotavirus vaccine, which can be either the 2nd or the 3rd dose depending on the vaccine.

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.

Croatia - BCG



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

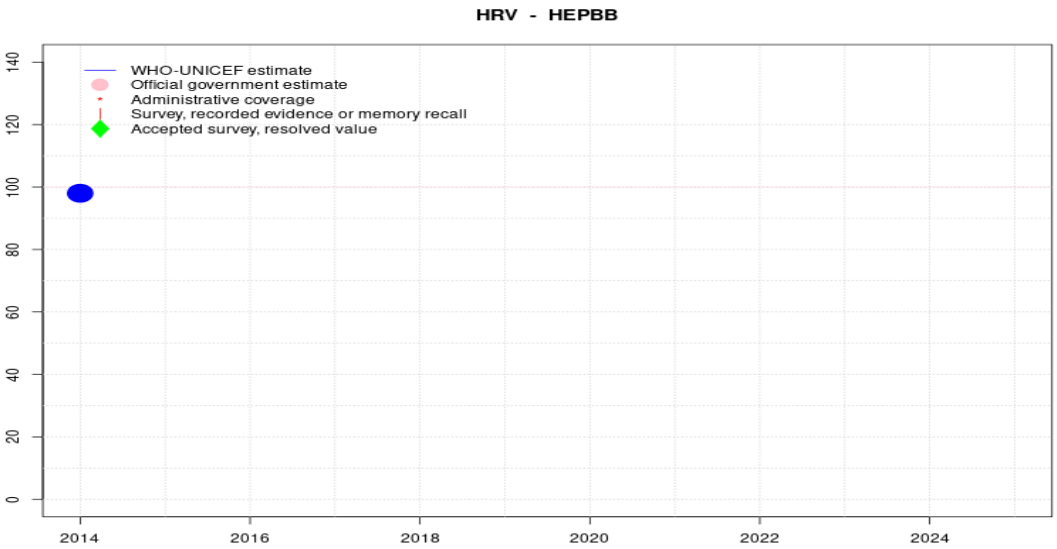
● There are no directly supporting data; or data from at least one source; [R-], [D-], [S-]; challenge the estimate.

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. 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+ D+
2024: Estimate informed by reported data. 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 reported data. GoC=R+ D+
2019: Estimate informed by reported administrative data. GoC=R+ D+
2018: Estimate informed by reported data. GoC=R+ D+
2017: Estimate informed by reported data. GoC=R+ D+
2016: Estimate informed by reported data. Programme reports two months vaccine stockout at national level. GoC=R+ D+
2015: Estimate informed by reported data. GoC=R+ D+
2014: Estimate informed by reported data. GoC=R+ D+

Croatia - HEPBB



	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025
Estimate	98	-	-	-	-	-	-	-	-	-	-	-
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.

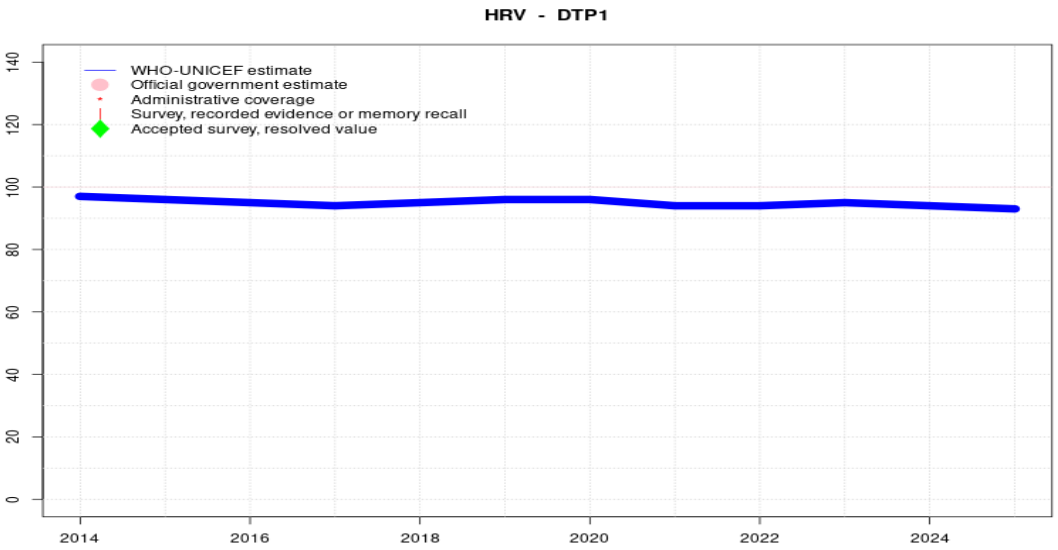
● There are no directly supporting data; or data from at least one source; [R-], [D-], [S-]; challenge the estimate.

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:

2014: Estimate informed by extrapolation from reported data. Hepatitis B birth dose removed from the national immunization schedule after 2014. Programme shifted to use of DTaP-IPV-Hib-HepB at 2, 4, 6 months after removing monovalent HepB. GoC=No accepted empirical data

Croatia - DTP1



	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025
Estimate	97	96	95	94	95	96	96	94	94	95	94	93
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 is based on the relationship between reported official coverage for DTP1 and DTP3 in 2013, assuming no change in drop-out. 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=No accepted empirical data

2024: Estimate is based on the relationship between reported official coverage for DTP1 and DTP3 in 2013, assuming no change in drop-out. Estimate of 94 percent changed from previous revision value of 98 percent. GoC=No accepted empirical data

2023: Estimate is based on the relationship between reported official coverage for DTP1 and DTP3 in 2013, assuming no change in drop-out. Estimate of 95 percent changed from previous revision value of 98 percent. GoC=No accepted empirical data

2022: Estimate is based on the relationship between reported official coverage for DTP1 and DTP3 in 2013, assuming no change in drop-out. Estimate of 94 percent changed from previous revision value of 98 percent. GoC=No accepted empirical data

2021: Estimate is based on the relationship between reported official coverage for DTP1 and DTP3 in 2013, assuming no change in drop-out. Estimate of 94 percent changed from previous revision value of 98 percent. GoC=No accepted empirical data

2020: Estimate is based on the relationship between reported official coverage for DTP1 and DTP3 in 2013, assuming no change in drop-out. Estimate of 96 percent changed from previous revision value of 98 percent. GoC=No accepted empirical data

2019: Estimate is based on the relationship between reported official coverage for DTP1 and DTP3 in 2013, assuming no change in drop-out. Estimate of 96 percent changed from previous revision value of 98 percent. GoC=No accepted empirical data

2018: Estimate is based on the relationship between reported official coverage for DTP1 and DTP3 in 2013, assuming no change in drop-out. Estimate of 95 percent changed from previous revision value of 98 percent. GoC=No accepted empirical data

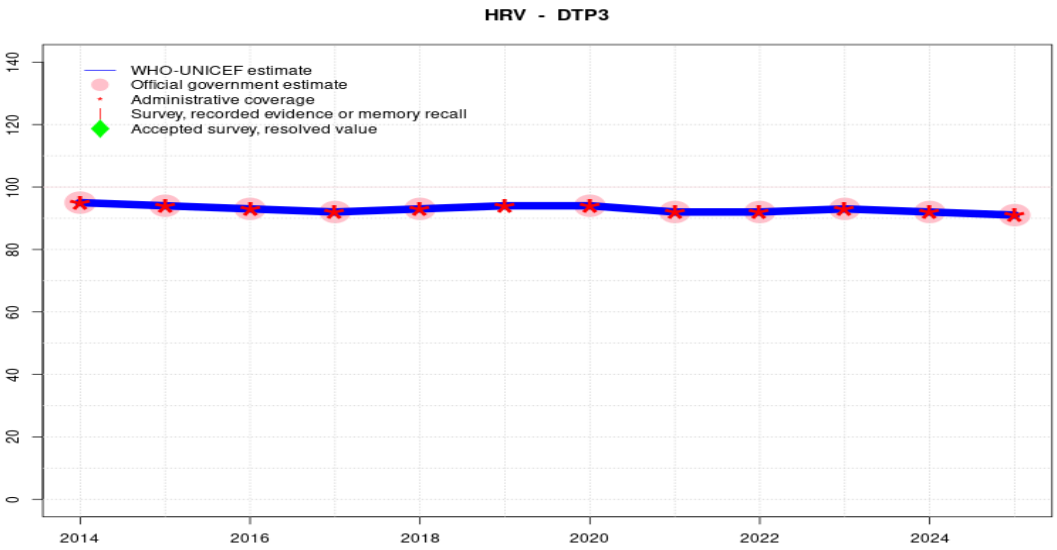
2017: Estimate is based on the relationship between reported official coverage for DTP1 and DTP3 in 2013, assuming no change in drop-out. Estimate of 94 percent changed from previous revision value of 98 percent. GoC=No accepted empirical data

2016: Estimate is based on the relationship between reported official coverage for DTP1 and DTP3 in 2013, assuming no change in drop-out. Estimate of 95 percent changed from previous revision value of 98 percent. GoC=No accepted empirical data

2015: Estimate is based on the relationship between reported official coverage for DTP1 and DTP3 in 2013, assuming no change in drop-out. Programme has not reported coverage levels but has reported national level hexavalent vaccine stockout for 11 months during 2015. As such coverage is likely lower than estimated here. Estimate of 96 percent changed from previous revision value of 98 percent. GoC=No accepted empirical data

2014: Estimate is based on the relationship between reported official coverage for DTP1 and DTP3 in 2013, assuming no change in drop-out. Estimate of 97 percent changed from previous revision value of 98 percent. GoC=No accepted empirical data

Croatia - DTP3



	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025
Estimate	95	94	93	92	93	94	94	92	92	93	92	91
Estimate GoC	●●	●●	●●	●●	●●	●	●●	●●	●	●	●●	●●
Official	95	94	93	92	93	-	94	92	92	93	92	91
Administrative	95	94	93	92	93	94	94	92	92	93	92	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.

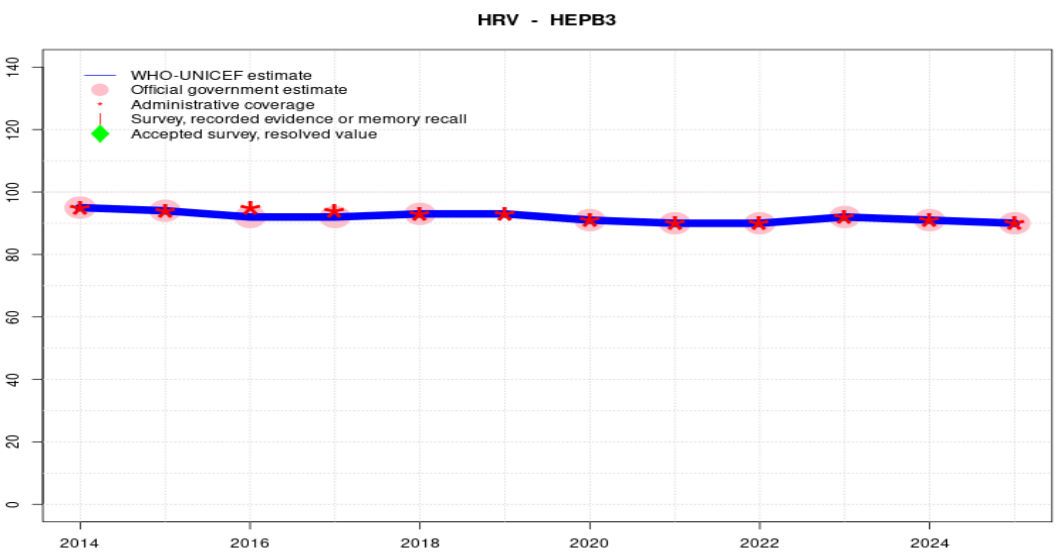
● There are no directly supporting data; or data from at least one source; [R-], [D-], [S-]; challenge the estimate.

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. 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+ D+
2024: Estimate informed by reported data. GoC=R+ D+
2023: Estimate informed by reported data. Estimate challenged by: D-
2022: Estimate informed by reported data. Estimate challenged by: D-
2021: Estimate informed by reported data. GoC=R+ D+
2020: Estimate informed by reported data. GoC=R+ D+
2019: Estimate informed by reported administrative data. Estimate challenged by: D-
2018: Estimate informed by reported data. GoC=R+ D+
2017: Estimate informed by reported data. GoC=R+ D+
2016: Estimate informed by reported data. GoC=R+ D+
2015: Estimate informed by reported data. Programme reported national level hexavalent vaccine stockout for 11 months during 2015. As such coverage is likely lower than estimated here. GoC=R+ D+
2014: Estimate informed by reported data. GoC=R+ D+

Croatia - HEPB3



	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025
Estimate	95	94	92	92	93	93	91	90	90	92	91	90
Estimate GoC	●●	●●	●	●	●●	●●	●●	●●	●●	●	●●	●●
Official	95	94	92	92	93	-	91	90	90	92	91	90
Administrative	95	94	95	94	93	93	91	90	90	92	91	90
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.

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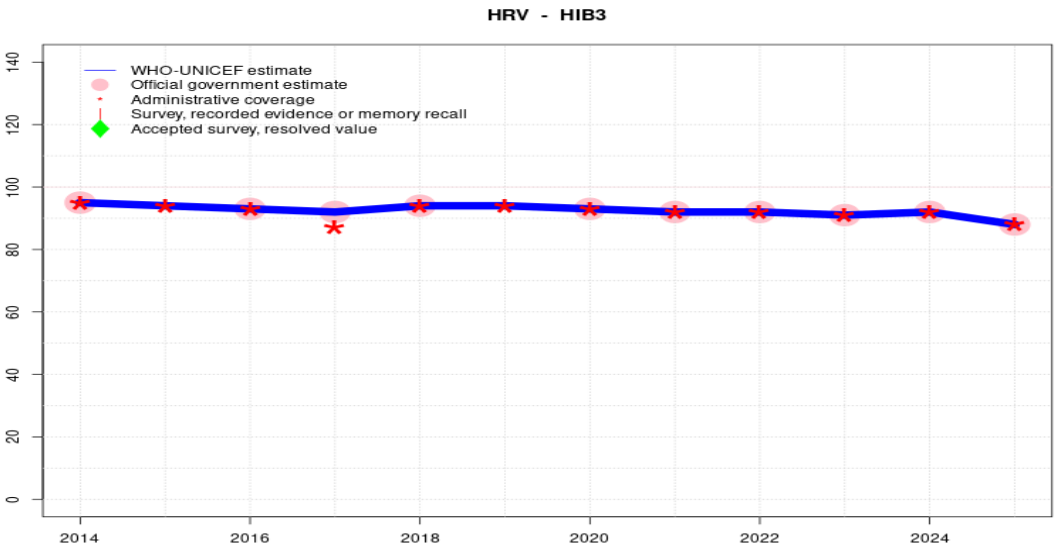
● There are no directly supporting data; or data from at least one source; [R-], [D-], [S-]; challenge the estimate.

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. 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+ D+
2024: Estimate informed by reported data. GoC=R+ D+
2023: Estimate informed by reported data. Estimate challenged by: D-
2022: Estimate informed by reported data. GoC=R+ D+
2021: Estimate informed by reported data. GoC=R+ D+
2020: Estimate informed by reported data. GoC=R+ D+
2019: Estimate informed by reported administrative data. GoC=R+ D+
2018: Estimate informed by reported data. GoC=R+ D+
2017: Estimate informed by reported data. Estimate challenged by: D-
2016: Estimate informed by reported data. Estimate challenged by: D-
2015: Estimate informed by reported data. Programme reported national level hexavalent vaccine stockout for 11 months during 2015. As such coverage is likely lower than estimated here. GoC=R+ D+
2014: Estimate informed by reported data. GoC=R+ D+

Croatia - HIB3



	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025
Estimate	95	94	93	92	94	94	93	92	92	91	92	88
Estimate GoC	●●	●●	●●	●●	●●	●	●	●●	●	●●	●●	●●
Official	95	-	93	92	94	-	93	92	92	91	92	88
Administrative	95	94	93	87	94	94	93	92	92	91	92	88
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.

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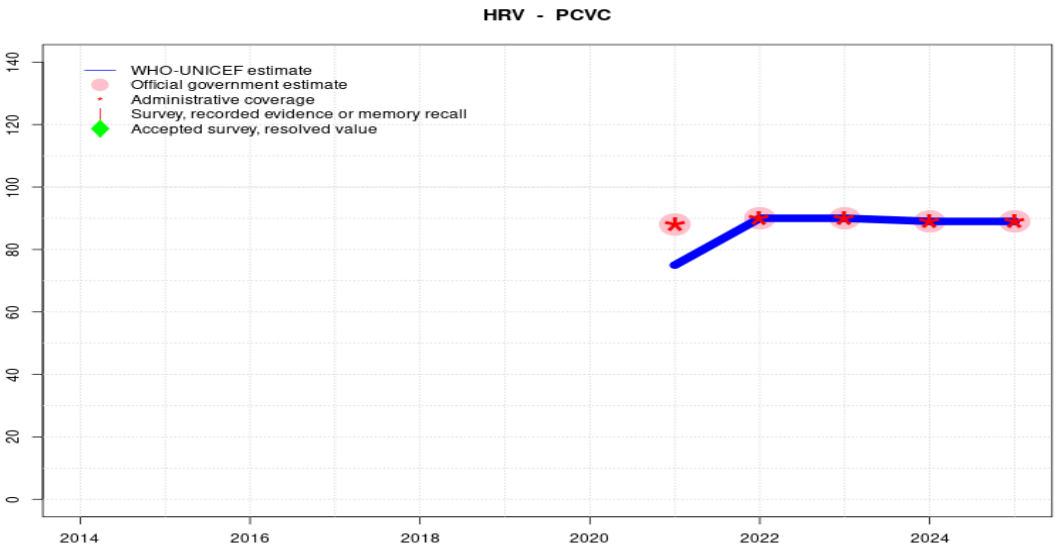
Description:

2025: Estimate informed by reported data. 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+ D+
2024: Estimate informed by reported data. GoC=R+ D+
2023: Estimate informed by reported data. GoC=R+ D+
2022: Estimate informed by reported data. Estimate challenged by: D-
2021: Estimate informed by reported data. GoC=R+ D+
2020: Estimate informed by reported data. Estimate challenged by: D-
2019: Estimate informed by reported administrative data. Estimate challenged by: D-
2018: Estimate informed by reported data. GoC=R+ D+
2017: Estimate informed by reported data. GoC=R+ D+
2016: Estimate informed by reported data. GoC=R+ D+
2015: Estimate informed by reported administrative data. Programme reported national level hexavalent vaccine stockout for 11 months during 2015. As such coverage is likely lower than estimated here. GoC=R+ D+
2014: Estimate informed by reported data. GoC=R+ D+

Croatia - PCVC



	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025
Estimate	-	-	-	-	-	-	-	75	90	90	89	89
Estimate GoC	-	-	-	-	-	-	-	•	••	••	••	••
Official	-	-	-	-	-	-	-	88	90	90	89	89
Administrative	-	-	-	-	-	-	-	88	90	90	89	89
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.

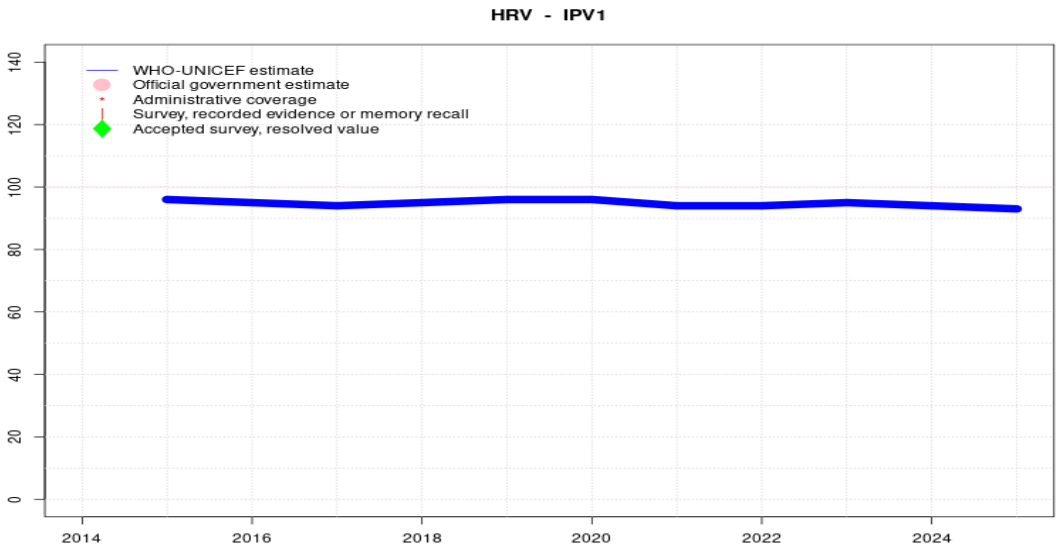
• There are no directly supporting data; or data from at least one source; [R-], [D-], [S-]; challenge the estimate.

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. 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+ D+
2024: Estimate informed by reported data. GoC=R+ D+
2023: Estimate informed by reported data. GoC=R+ D+
2022: Estimate informed by reported data. GoC=R+ D+
2021: Pneumococcal conjugate vaccine introduced in 2019 and recommended at 2m, 4m and 12m. Reporting started in 2021. Reported coverage reflects coverage achieved at 85 percent of the national target. Estimated coverage reflects coverage achieved in the annual national target population. Estimate challenged by: R-

Croatia - IPV1



	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025
Estimate	-	96	95	94	95	96	96	94	94	95	94	93
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 based on estimated DTP1. 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=No accepted empirical data

2024: Estimate based on estimated DTP1. Estimate of 94 percent changed from previous revision value of 98 percent. GoC=No accepted empirical data

2023: Estimate based on estimated DTP1. Estimate of 95 percent changed from previous revision value of 98 percent. GoC=No accepted empirical data

2022: Estimate based on estimated DTP1. Estimate of 94 percent changed from previous revision value of 98 percent. GoC=No accepted empirical data

2021: Estimate based on estimated DTP1. Estimate of 94 percent changed from previous revision value of 98 percent. GoC=No accepted empirical data

2020: Estimate based on estimated DTP1. Estimate of 96 percent changed from previous revision value of 98 percent. GoC=No accepted empirical data

2019: Estimate based on estimated DTP1. Estimate of 96 percent changed from previous revision value of 98 percent. GoC=No accepted empirical data

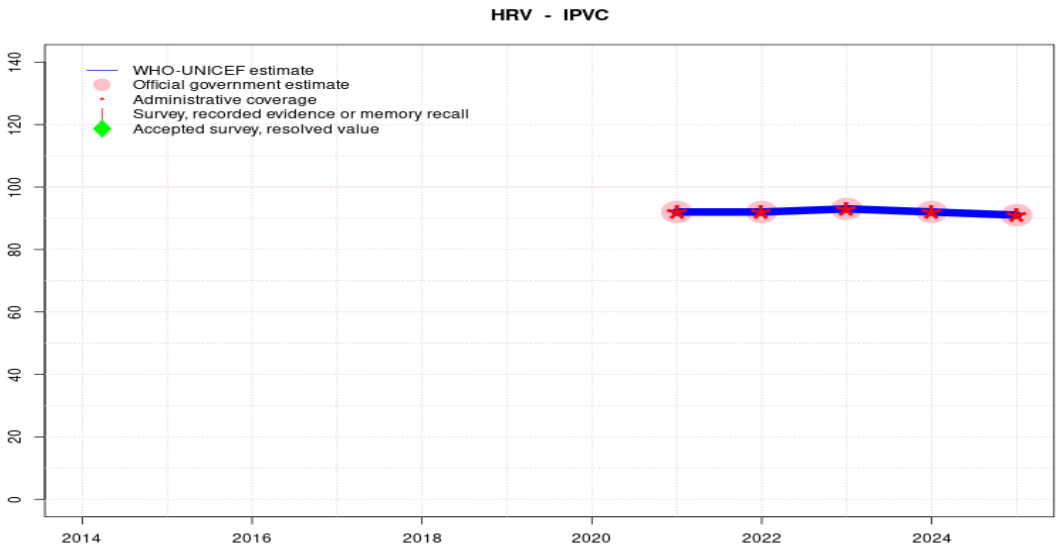
2018: Estimate based on estimated DTP1. Estimate of 95 percent changed from previous revision value of 98 percent. GoC=No accepted empirical data

2017: Estimate based on estimated DTP1. Estimate of 94 percent changed from previous revision value of 98 percent. GoC=No accepted empirical data

2016: Estimate based on estimated DTP1. Estimate of 95 percent changed from previous revision value of 98 percent. GoC=No accepted empirical data

2015: Estimate based on estimated DTP1. Estimate of 96 percent changed from previous revision value of 98 percent. GoC=No accepted empirical data

Croatia - IPVC



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

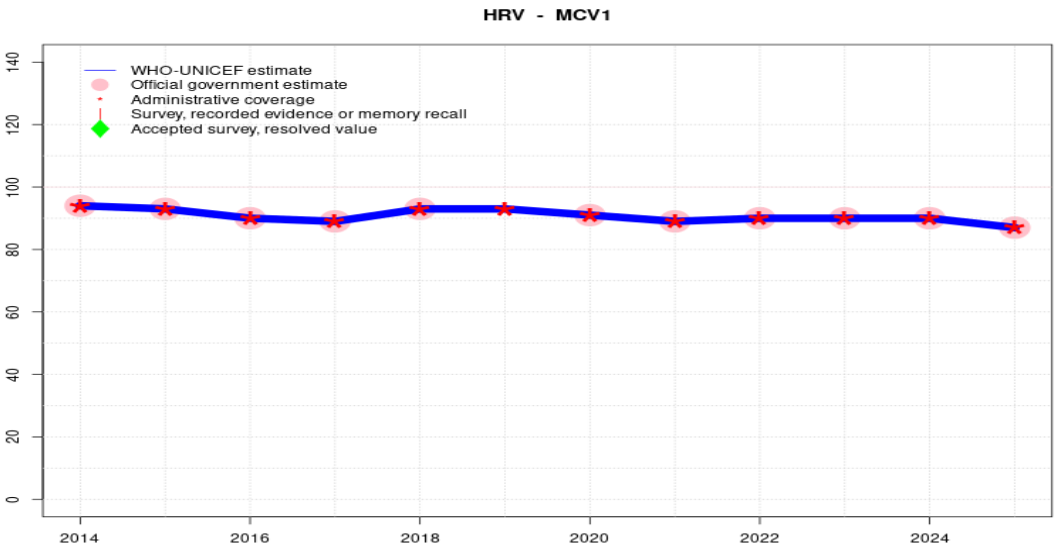
● There are no directly supporting data; or data from at least one source; [R-], [D-], [S-]; challenge the estimate.

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. 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+ D+
2024: Estimate informed by reported data. GoC=R+ D+
2023: Estimate informed by reported data. Estimate challenged by: D-
2022: Estimate informed by reported data. Estimate challenged by: D-
2021: Estimate informed by reported data. GoC=R+ D+

Croatia - MCV1



	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025
Estimate	94	93	90	89	93	93	91	89	90	90	90	87
Estimate GoC	●●	●●	●●	●●	●	●	●●	●●	●●	●	●●	●●
Official	94	93	90	89	93	-	91	89	90	90	90	87
Administrative	94	93	90	89	93	93	91	89	90	90	90	87
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.

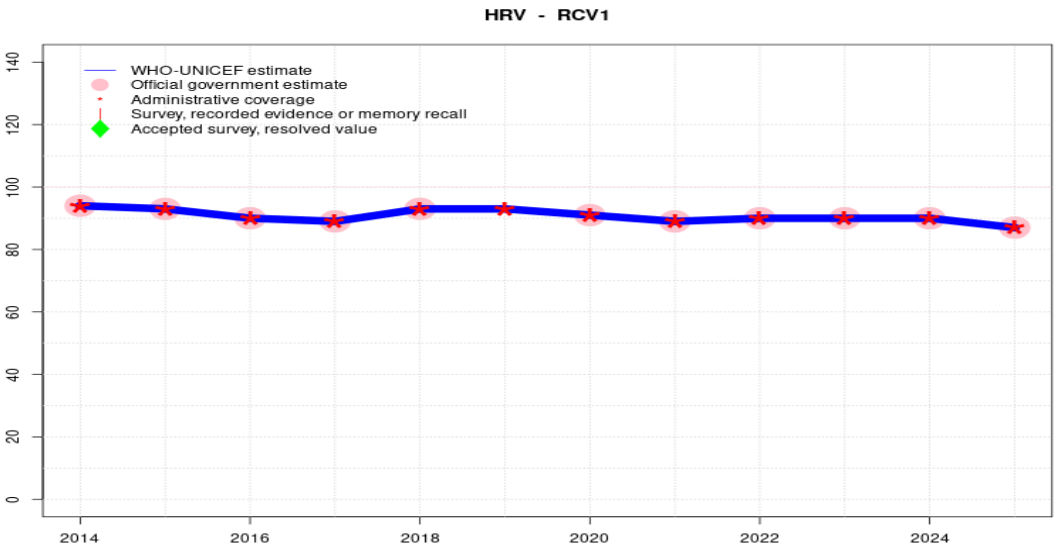
● There are no directly supporting data; or data from at least one source; [R-], [D-], [S-]; challenge the estimate.

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. 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+ D+
2024: Estimate informed by reported data. GoC=R+ D+
2023: Estimate informed by reported data. Estimate challenged by: D-
2022: Estimate informed by reported data. GoC=R+ D+
2021: Estimate informed by reported data. GoC=R+ D+
2020: Estimate informed by reported data. GoC=R+ D+
2019: Estimate informed by reported administrative data. Estimate challenged by: D-
2018: Estimate informed by reported data. Estimate challenged by: D-
2017: Estimate informed by reported data. GoC=R+ D+
2016: Estimate informed by reported data. GoC=R+ D+
2015: Estimate informed by reported data. GoC=R+ D+
2014: Estimate informed by reported data. GoC=R+ D+

Croatia - RCV1



	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025
Estimate	94	93	90	89	93	93	91	89	90	90	90	87
Estimate GoC	●●	●●	●●	●●	●	●	●●	●●	●●	●	●●	●●
Official	94	93	90	89	93	-	91	89	90	90	90	87
Administrative	94	93	90	89	93	93	91	89	90	90	90	87
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.

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● There are no directly supporting data; or data from at least one source; [R-], [D-], [S-]; challenge the estimate.

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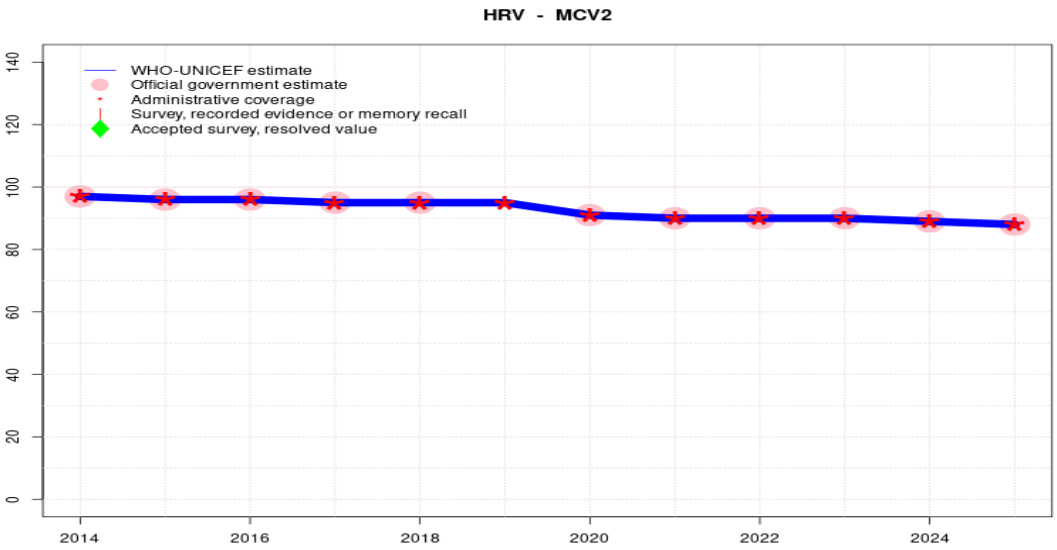
Description:

2025: Estimate based on estimated MCV1. 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+ D+
2024: Estimate based on estimated MCV1. GoC=R+ D+
2023: Estimate based on estimated MCV1. Estimate challenged by: 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=R+ D+
2019: Estimate based on estimated MCV1. Estimate challenged by: D-
2018: Estimate based on estimated MCV1. Estimate challenged by: D-
2017: Estimate based on estimated MCV1. GoC=R+ 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. GoC=R+ D+

Croatia - MCV2



	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025
Estimate	97	96	96	95	95	95	91	90	90	90	89	88
Estimate GoC	●●	●	●	●	●●	●●	●●	●●	●●	●	●	●
Official	97	96	96	95	95	-	91	90	90	90	89	88
Administrative	97	96	96	95	95	95	91	90	90	90	89	88
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.

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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. 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. Estimate challenged by: D-
2024: Estimate informed by reported data. Estimate challenged by: D-
2023: Estimate informed by reported data. Estimate challenged by: D-
2022: Estimate informed by reported data. GoC=R+ D+
2021: Estimate informed by reported data. GoC=R+ D+
2020: Estimate informed by reported data. GoC=R+ D+
2019: Estimate informed by reported administrative data. GoC=R+ D+
2018: Estimate informed by reported data. GoC=R+ D+
2017: Estimate informed by reported data. Estimate challenged by: D-
2016: Estimate informed by reported data. Estimate challenged by: D-
2015: Estimate informed by reported data. Estimate challenged by: D-
2014: Estimate informed by reported data. GoC=R+ D+

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