

# Serbia: WHO and UNICEF estimates of immunization coverage: 2024 revision

**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.

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.

**POL3:** percentage of surviving infants who received the 3rd dose of polio containing vaccine. May be either oral or inactivated polio vaccine.

**IPV1:** percentage of surviving infants who received at least one dose of inactivated polio vaccine. In countries utilizing an immunization schedule recommending either (i) a primary series of three doses of oral polio vaccine (OPV) plus at least one dose of IPV where OPV is included in routine immunization and/or campaign or (ii) a sequential schedule of IPV followed by OPV, WHO and UNICEF estimates for IPV1 reflect coverage with at least one routine dose of IPV among infants < 1 year of age. For countries utilizing IPV containing vaccine only, i.e., no recommended dose of OPV, WHO and UNICEF estimate for IPV1 corresponds to coverage for the 1st dose of IPV.

Production of IPV coverage estimates, which begins in 2015, results in no change of the estimated coverage levels for the 3rd dose of polio (POL3). For countries recommending routine immunization with a primary series of three doses of IPV alone, WHO and UNICEF estimated POL3 coverage is equivalent to estimated coverage with three doses of IPV. For countries with a sequential schedule, estimated POL3 coverage is based on that for the 3rd dose of polio vaccine regardless of vaccine type.

**IPV2:** percentage of surviving infants who received a 2nd dose of inactivated polio vaccine. IPV2 coverage estimates produced for OPV using countries.

**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.

**HEPB3:** 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.

**PCV3:** percentage of surviving infants who received the 3rd dose of pneumococcal conjugate vaccine. In countries where the national schedule recommends two doses during infancy and a booster dose at 12 months or later based on the epidemiology of disease in the country, coverage estimates may reflect the percentage of surviving infants who received two doses of PCV prior to the 1st birthday if coverage for the booster dose is not reported.

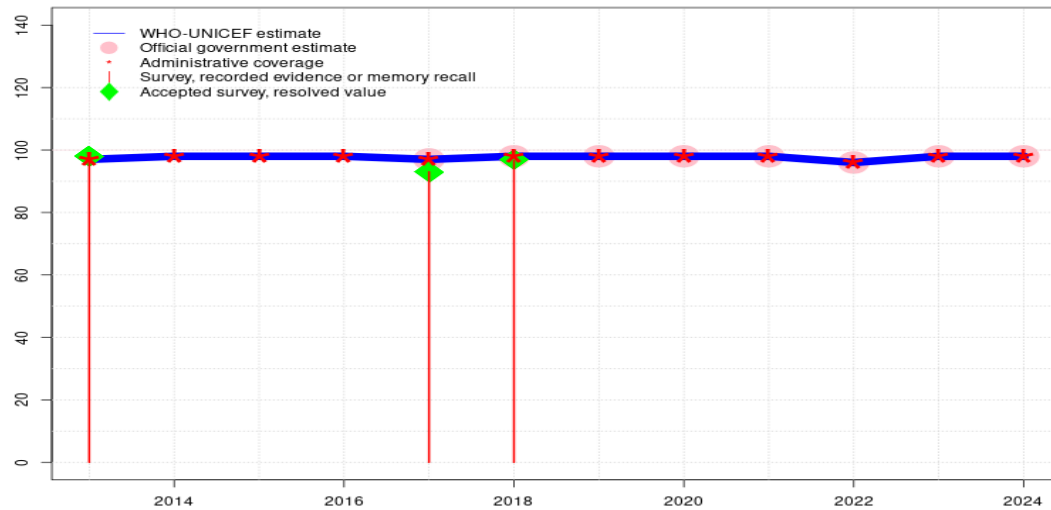
**YFV:** percentage of surviving infants who received one dose of yellow fever vaccine in countries where YFV is part of the national immunization schedule for children or is recommended in at risk areas; coverage estimates are annualized for the entire cohort of surviving infants.

**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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# Serbia - BCG

SRB - BCG



## Description:

- 2024: Estimate informed by 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. 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+ S+ D+
- 2019: Estimate informed by reported data. GoC=R+ S+ D+
- 2018: Estimate informed by reported data supported by survey.Survey evidence of 97 percent based on 1 survey(s). GoC=R+ S+ D+
- 2017: Estimate informed by reported data supported by survey.Survey evidence of 93 percent based on 1 survey(s). GoC=R+ S+ D+
- 2016: Estimate informed by reported administrative data. GoC=R+ S+ D+
- 2015: Estimate informed by reported administrative data. GoC=R+ S+ D+
- 2014: Estimate informed by reported administrative data. GoC=R+ S+ D+
- 2013: Estimate informed by reported administrative data supported by survey.Survey evidence of 98 percent based on 1 survey(s). GoC=R+ S+ D+

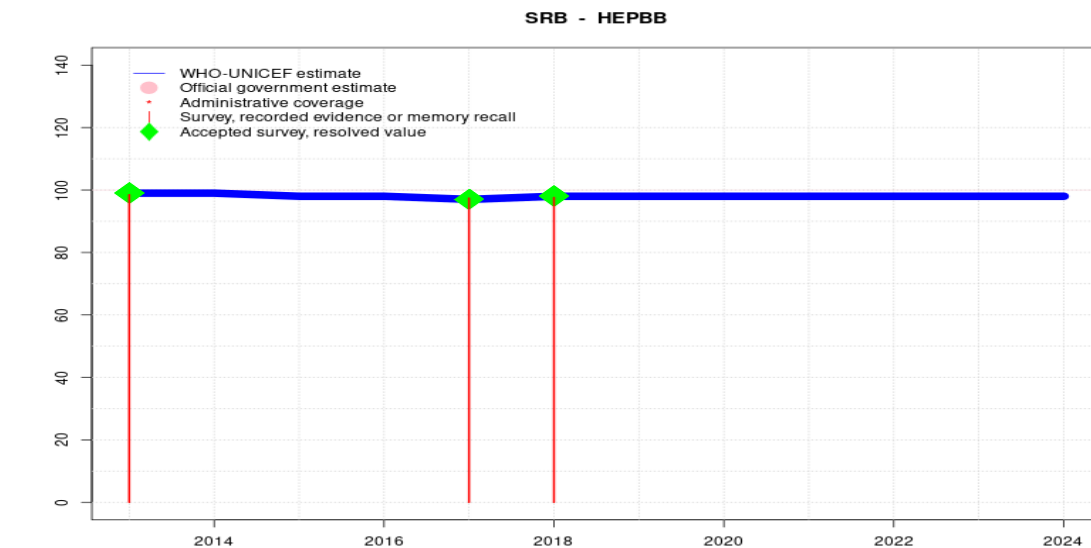
	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024
Estimate	97	98	98	98	97	98	98	98	98	96	98	98
Estimate GoC	●●●	●●●	●●●	●●●	●●●	●●●	●●●	●●●	●●	●●	●●	●●
Official	-	-	-	-	97	98	98	98	98	96	98	98
Administrative	97	98	98	98	97	98	98	98	98	96	98	98
Survey	98	-	-	-	93	97	-	-	-	-	-	-

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.

# Serbia - HEPBB



	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024
Estimate	99	99	98	98	97	98	98	98	98	98	98	98
Estimate GoC	●●	●●	●●	●●	●●	●●	●●	●●	●	●	●	●
Official	-	-	-	-	-	-	-	-	-	-	-	-
Administrative	-	-	-	-	-	-	-	-	-	-	-	-
Survey	99	-	-	-	97	98	-	-	-	-	-	-

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.

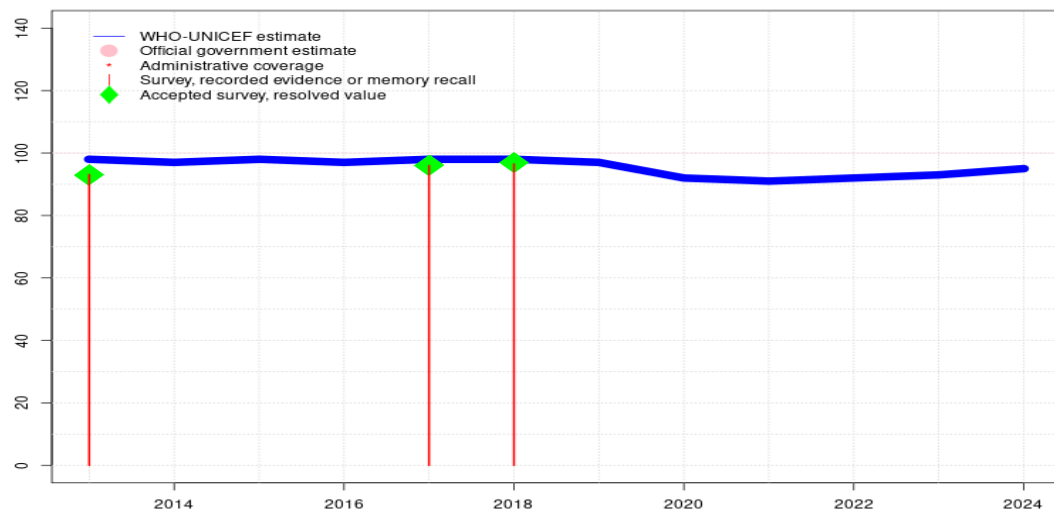
In all cases these estimates should be used with caution and should be assessed in light of the objective for which they are being used.

## Description:

- 2024: Reported data calibrated to 2018 levels. 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. GoC=No accepted empirical data
- 2023: Reported data calibrated to 2018 levels. Country indicates that the immunization information system is not set-up to capture Hep B birth dose. Estimate of 98 percent changed from previous revision value of 99 percent. GoC=No accepted empirical data
- 2022: Reported data calibrated to 2018 levels. Estimate of 98 percent changed from previous revision value of 99 percent. GoC=No accepted empirical data
- 2021: Reported data calibrated to 2018 levels. Estimate of 98 percent changed from previous revision value of 99 percent. GoC=No accepted empirical data
- 2020: Reported data calibrated to 2018 levels. Estimate of 98 percent changed from previous revision value of 99 percent. GoC=S+
- 2019: Reported data calibrated to 2018 levels. Estimate of 98 percent changed from previous revision value of 99 percent. GoC=S+
- 2018: Estimate of 98 percent assigned by working group. Estimate based on survey coverage. Estimate of 98 percent changed from previous revision value of 99 percent. GoC=S+
- 2017: Estimate of 97 percent assigned by working group. Country indicates that the immunization information system is not set-up to capture Hep B birth dose Estimate of 97 percent changed from previous revision value of 99 percent. GoC=S+
- 2016: Estimate informed by interpolation between 2013 and 2017 levels. Estimate of 98 percent changed from previous revision value of 99 percent. GoC=S+
- 2015: Estimate informed by interpolation between 2013 and 2017 levels. Estimate of 98 percent changed from previous revision value of 99 percent. GoC=S+
- 2014: Estimate informed by interpolation between 2013 and 2017 levels. GoC=S+
- 2013: Estimate based on extrapolation from data reported by national government supported by survey. Survey evidence of 99 percent based on 1 survey(s). GoC=S+

# Serbia - DTP1

SRB - DTP1



## Description:

- 2024: Estimate based on DTP3 coverage of 95. 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. GoC=No accepted empirical data
- 2023: Estimate based on DTP3 coverage of 93. Estimate of 93 percent changed from previous revision value of 97 percent. GoC=No accepted empirical data
- 2022: Estimate based on DTP3 coverage of 92. Estimate of 92 percent changed from previous revision value of 97 percent. GoC=No accepted empirical data
- 2021: Estimate based on extrapolation from data reported by national government. Estimate of 91 percent changed from previous revision value of 96 percent. GoC=No accepted empirical data
- 2020: Estimate based on DTP3 coverage of 92. Estimate of 92 percent changed from previous revision value of 97 percent. GoC=S+
- 2019: Estimate based on DTP3 coverage of 97. Estimate of 97 percent changed from previous revision value of 99 percent. GoC=S+
- 2018: Estimate informed by estimated DTP3 coverage adjusted for dropout. GoC=S+
- 2017: Estimate informed by estimated DTP3 coverage adjusted for dropout. GoC=S+
- 2016: Estimate informed by estimated DTP3 coverage adjusted for dropout. GoC=S+
- 2015: Estimate informed by estimated DTP3 coverage adjusted for dropout. GoC=S+
- 2014: Estimate informed by estimated DTP3 coverage adjusted for dropout. GoC=S+
- 2013: Estimate informed by estimated DTP3 coverage adjusted for dropout. GoC=S+

	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024
Estimate	98	97	98	97	98	98	97	92	91	92	93	95
Estimate GoC	●●	●●	●●	●●	●●	●●	●●	●●	●	●	●	●
Official	-	-	-	-	-	-	-	-	-	-	-	-
Administrative	-	-	-	-	-	-	-	-	-	-	-	-
Survey	93	-	-	-	96	97	-	-	-	-	-	-

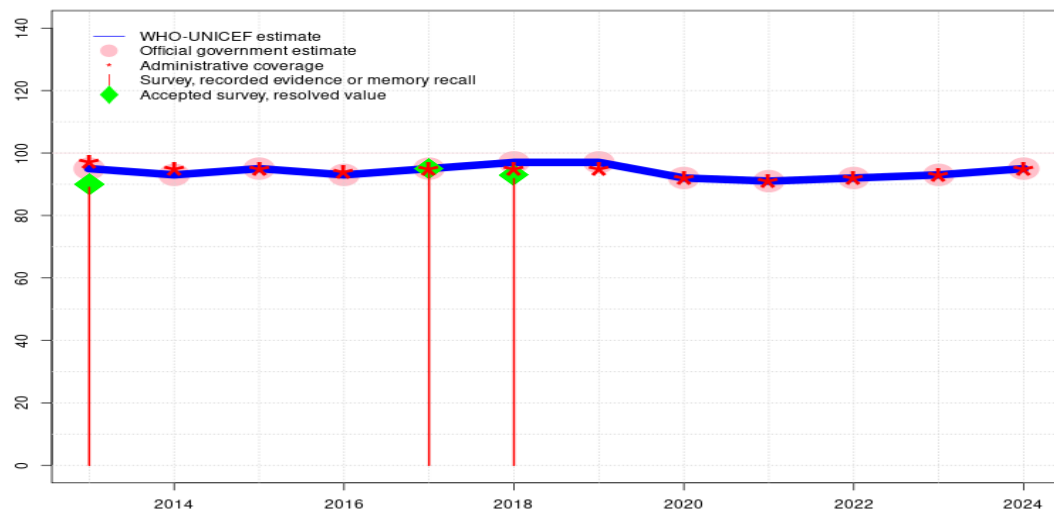
The WHO and UNICEF estimates of national immunization coverage (wuenic) are based on data and information that are of varying, and, in some instances, unknown quality. Beginning with the 2011 revision we describe the grade of confidence (GoC) we have in these estimates. As there is no underlying probability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

# Serbia - DTP3

SRB - DTP3



	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024
Estimate	95	93	95	93	95	97	97	92	91	92	93	95
Estimate GoC	●●●	●●●	●●●	●●●	●●●	●●●	●●●	●●●	●●	●●	●●	●●
Official	95	93	95	93	95	97	97	92	91	92	93	95
Administrative	97	95	95	94	95	95	95	92	91	92	93	95
Survey	89	-	-	-	95	92	-	-	-	-	-	-

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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.

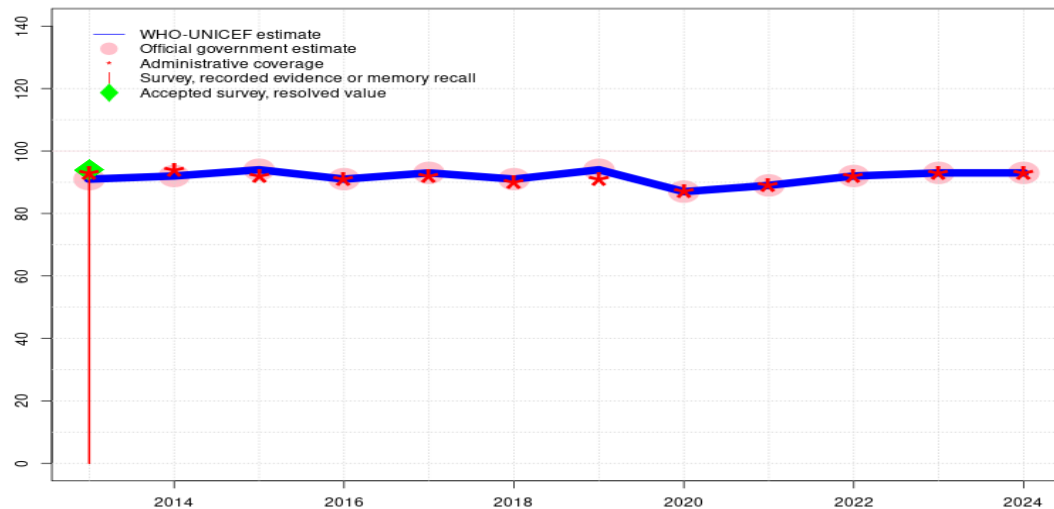
In all cases these estimates should be used with caution and should be assessed in light of the objective for which they are being used.

## Description:

- 2024: Estimate informed by 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. 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+ S+ D+
- 2019: Estimate informed by reported data. GoC=R+ S+ D+
- 2018: Estimate informed by reported data supported by survey.Survey evidence of 93 percent based on 1 survey(s). Serbia Multiple Indicator Cluster Survey 2019 record or recall results of 92 percent modified for recall bias to 93 percent based on 1st dose record or recall coverage of 97 percent, 1st dose record only coverage of 81 percent and 3rd dose record only coverage of 78 percent. Estimate of 97 percent changed from previous revision value of 96 percent. GoC=R+ S+ D+
- 2017: Estimate informed by reported data supported by survey.Survey evidence of 95 percent based on 1 survey(s). GoC=R+ S+ D+
- 2016: Estimate informed by reported data. Estimate of 93 percent changed from previous revision value of 92 percent. GoC=R+ S+ D+
- 2015: Estimate informed by reported data. GoC=R+ S+ D+
- 2014: Estimate informed by reported data. GoC=R+ S+ D+
- 2013: Estimate informed by reported data supported by survey.Survey evidence of 90 percent based on 1 survey(s). Serbia Multiple Indicator Cluster Survey 2014 record or recall results of 89 percent modified for recall bias to 90 percent based on 1st dose record or recall coverage of 93 percent, 1st dose record only coverage of 87 percent and 3rd dose record only coverage of 84 percent. GoC=R+ S+ D+

# Serbia - HEPB3

SRB - HEPB3



## Description:

2024: Estimate informed by 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. 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 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. GoC=R+ D+

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

2014: Estimate informed by reported data. GoC=R+ S+ D+

2013: Estimate informed by reported data supported by survey. Survey evidence of 94 percent based on 1 survey(s). Serbia Multiple Indicator Cluster Survey 2014 record or recall results of 93 percent modified for recall bias to 94 percent based on 1st dose record or recall coverage of 99 percent, 1st dose record only coverage of 86 percent and 3rd dose record only coverage of 82 percent. GoC=R+ S+ D+

	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024
Estimate	91	92	94	91	93	91	94	87	89	92	93	93
Estimate GoC	●●●	●●●	●●●	●●	●●	●●	●●	●●	●●	●●	●●	●●
Official	91	92	94	91	93	91	94	87	89	92	93	93
Administrative	93	94	92	91	92	90	91	87	89	92	93	93
Survey	93	-	-	-	-	-	-	-	-	-	-	-

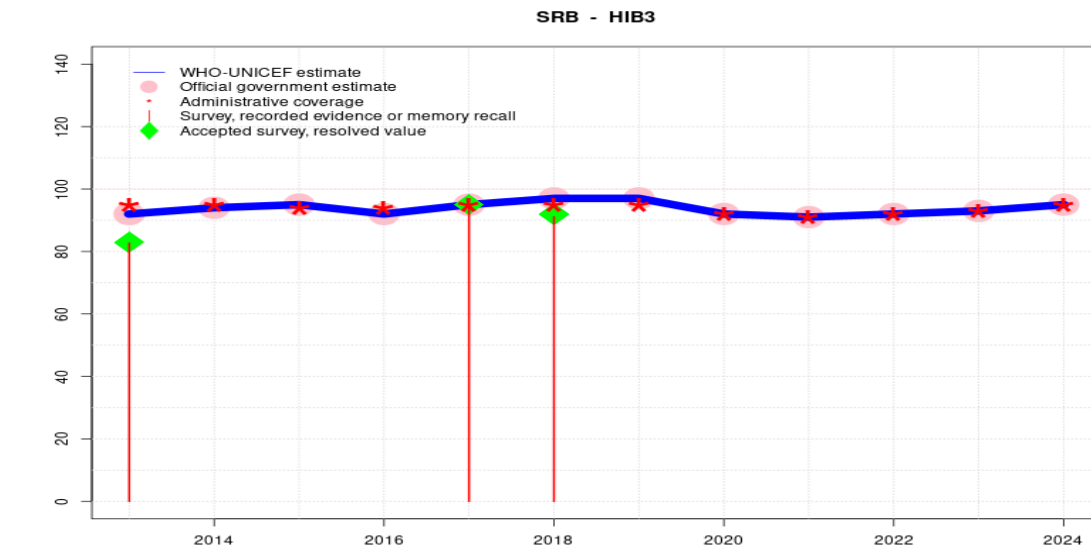
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- Estimate is supported by reported data [R+], coverage recalculated with an independent denominator from the World Population Prospects: 2024 revision from the UN Population Division (D+), and at least one supporting survey within 2 years [S+]. While 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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# Serbia - HIB3



	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024
Estimate	92	94	95	92	95	97	97	92	91	92	93	95
Estimate GoC	●●●	●	●	●●●	●●●	●●●	●●●	●●●	●●	●●	●●	●●
Official	92	94	95	92	95	97	97	92	91	92	93	95
Administrative	95	95	94	94	95	95	95	92	91	92	93	95
Survey	83	-	-	-	95	91	-	-	-	-	-	-

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.

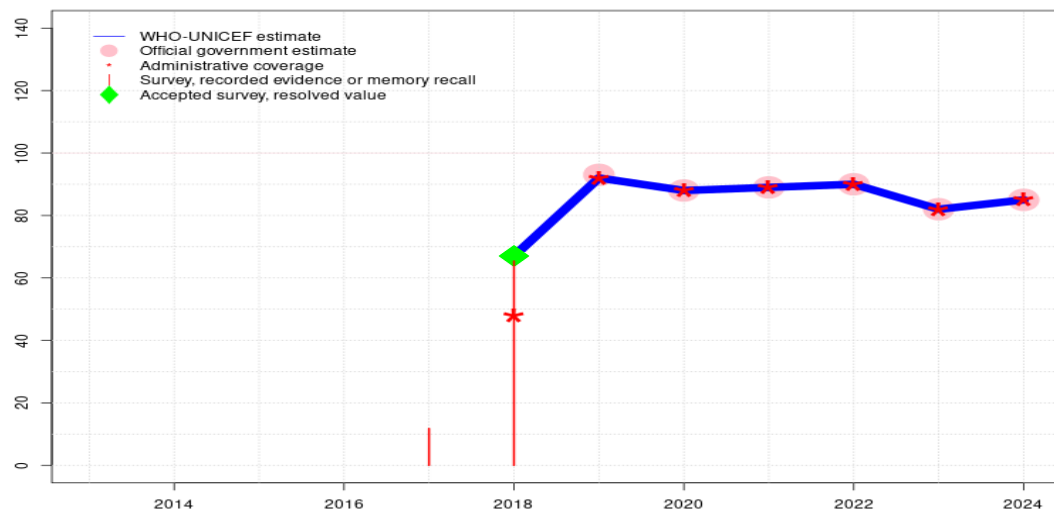
## Description:

- 2024: Estimate informed by 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. 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+ S+ D+
- 2019: Estimate informed by reported data. GoC=R+ S+ D+
- 2018: Estimate informed by reported data supported by survey.Survey evidence of 92 percent based on 1 survey(s). Serbia Multiple Indicator Cluster Survey 2019 record or recall results of 91 percent modified for recall bias to 92 percent based on 1st dose record or recall coverage of 96 percent, 1st dose record only coverage of 80 percent and 3rd dose record only coverage of 77 percent. Estimate of 97 percent changed from previous revision value of 96 percent. GoC=R+ S+ D+
- 2017: Estimate informed by reported data supported by survey.Survey evidence of 95 percent based on 1 survey(s). GoC=R+ S+ D+
- 2016: Estimate informed by reported data. GoC=R+ S+ D+
- 2015: Estimate informed by reported data. Estimate challenged by: S-
- 2014: Estimate informed by reported data. Estimate challenged by: S-
- 2013: Estimate informed by reported data supported by survey.Survey evidence of 83 percent based on 1 survey(s). GoC=R+ S+ D+



# Serbia - PCV3

SRB - PCV3



## Description:

2024: Estimate informed by 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. GoC=R+ D+

2023: Estimate informed by reported data. Recommended age for 3rd dose changed from 20 weeks to 18 months. 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. Estimate challenged by: S-

2019: Estimate based on reported administrative data. Estimate challenged by: S-

2018: Survey evidence does not support reported data. Estimate based on survey result. Survey evidence of 67 percent based on 1 survey(s). Serbia Multiple Indicator Cluster Survey 2019 record or recall results of 65 percent modified for recall bias to 67 percent based on 1st dose record or recall coverage of 71 percent, 1st dose record only coverage of 60 percent and 3rd dose record only coverage of 57 percent. Pneumococcal conjugate vaccine introduced in April 2018 Estimate challenged by: R-

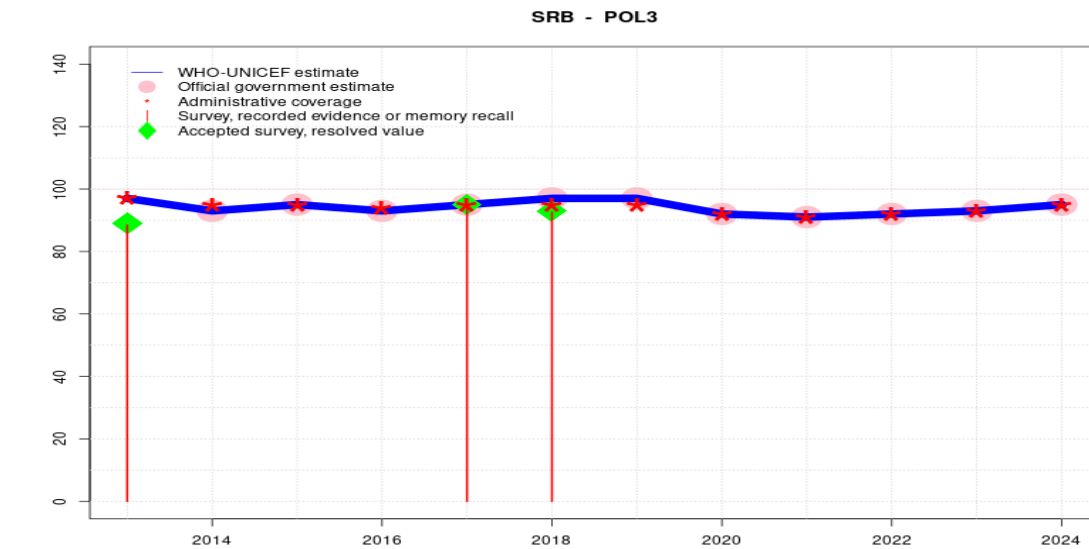
	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024
Estimate	-	-	-	-	-	67	92	88	89	90	82	85
Estimate GoC	-	-	-	-	-	•	•	•	••	••	••	••
Official	-	-	-	-	-	-	93	88	89	90	82	85
Administrative	-	-	-	-	-	48	92	88	89	90	82	85
Survey	-	-	-	-	12	65	-	-	-	-	-	-

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.

# Serbia - POL3



## Description:

- 2024: Estimate informed by 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. 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+ S+ D+
- 2019: Estimate informed by reported data. GoC=R+ S+ D+
- 2018: Estimate informed by reported data supported by survey.Survey evidence of 93 percent based on 1 survey(s). Estimate of 97 percent changed from previous revision value of 96 percent. GoC=R+ S+ D+
- 2017: Estimate informed by reported data supported by survey.Survey evidence of 95 percent based on 1 survey(s). GoC=R+ S+ D+
- 2016: Estimate informed by reported data. GoC=R+ S+ D+
- 2015: Estimate informed by reported data. GoC=R+ S+ D+
- 2014: Estimate informed by reported data. GoC=R+ S+ D+
- 2013: Estimate informed by reported administrative data supported by survey.Survey evidence of 89 percent based on 1 survey(s). Serbia Multiple Indicator Cluster Survey 2014 record or recall results of 88 percent modified for recall bias to 89 percent based on 1st dose record or recall coverage of 93 percent, 1st dose record only coverage of 87 percent and 3rd dose record only coverage of 83 percent. GoC=R+ S+ D+

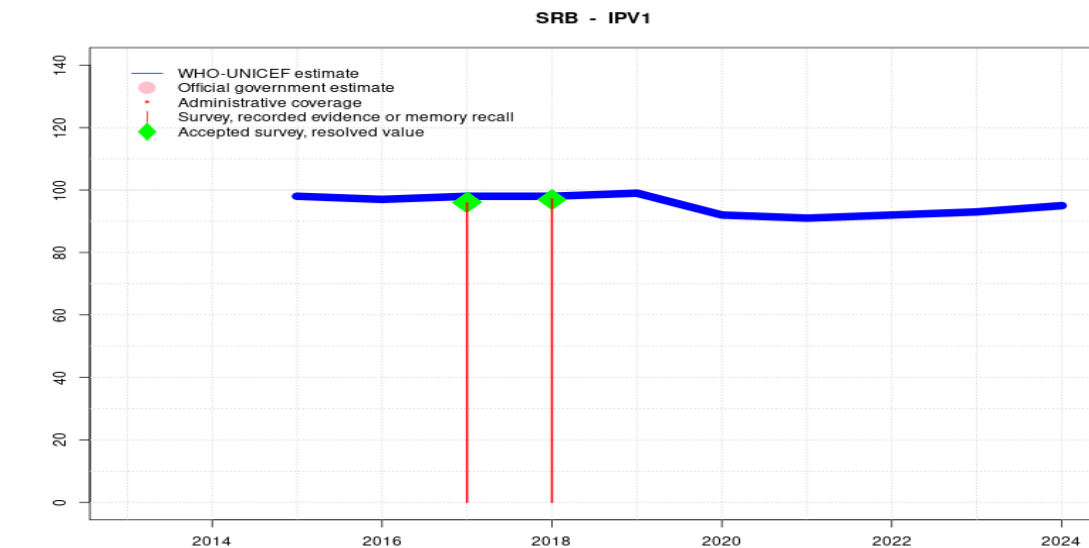
	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024
Estimate	97	93	95	93	95	97	97	92	91	92	93	95
Estimate GoC	●●●	●●●	●●●	●●●	●●●	●●●	●●●	●●●	●●	●●	●●	●●
Official	-	93	95	93	95	97	97	92	91	92	93	95
Administrative	97	95	95	94	95	95	95	92	91	92	93	95
Survey	88	-	-	-	95	93	-	-	-	-	-	-

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.

# Serbia - IPV1



## Description:

- 2024: Estimate based on estimated DTP1 coverage. 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. GoC=No accepted empirical data
- 2023: Estimate based on estimated DTP1 coverage. Estimate of 93 percent changed from previous revision value of 97 percent. GoC=No accepted empirical data
- 2022: Estimate based on estimated DTP1 coverage. Estimate of 92 percent changed from previous revision value of 97 percent. GoC=No accepted empirical data
- 2021: Estimate based on extrapolation from prior year. Estimate of 91 percent changed from previous revision value of 96 percent. GoC=No accepted empirical data
- 2020: Estimate based on estimated DTP1 coverage. Estimate of 92 percent changed from previous revision value of 97 percent. GoC=S+
- 2019: Estimate based on estimated DTP1 coverage. GoC=S+
- 2018: Estimate based on estimated DTP1 coverage. GoC=S+
- 2017: Estimate based on estimated DTP1 coverage. GoC=S+
- 2016: Estimate informed by estimated DTP1 coverage level. GoC=S+
- 2015: Estimate informed by estimated DTP1 coverage level. GoC=S+

	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024
Estimate	-	-	98	97	98	98	99	92	91	92	93	95
Estimate GoC	-	-	••	••	••	••	••	••	•	•	•	•
Official	-	-	-	-	-	-	-	-	-	-	-	-
Administrative	-	-	-	-	-	-	-	-	-	-	-	-
Survey	-	-	-	-	96	97	-	-	-	-	-	-

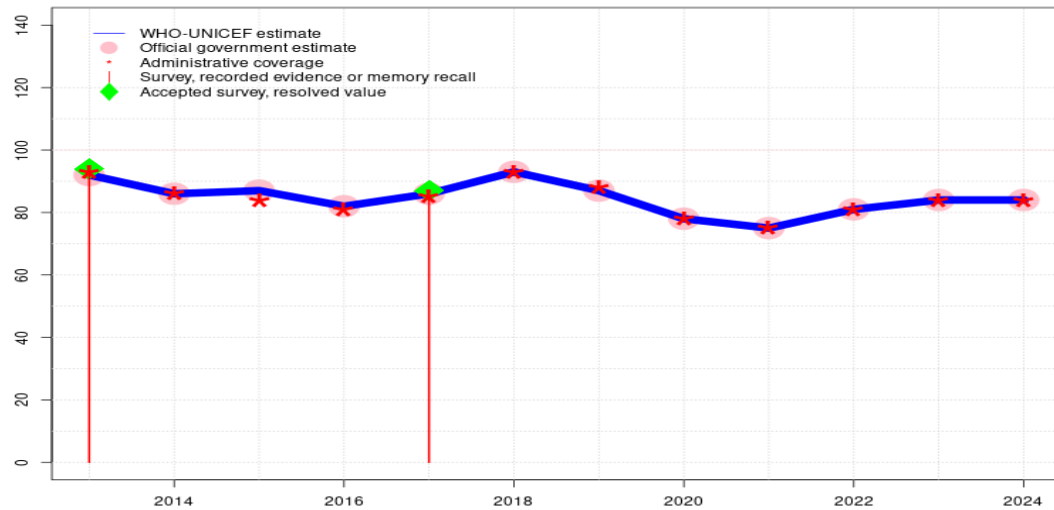
The WHO and UNICEF estimates of national immunization coverage (wuenic) are based on data and information that are of varying, and, in some instances, unknown quality. Beginning with the 2011 revision we describe the grade of confidence (GoC) we have in these estimates. As there is no underlying probability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

# Serbia - MCV1

SRB - MCV1



## Description:

- 2024: Estimate informed by 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. 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 data. GoC=R+ S+ D+
- 2018: Estimate informed by reported data. Estimate of 93 percent changed from previous revision value of 92 percent. GoC=R+ S+ D+
- 2017: Estimate informed by reported data supported by survey.Survey evidence of 87 percent based on 1 survey(s). GoC=R+ S+ D+
- 2016: Estimate informed by reported data. GoC=R+ S+ D+
- 2015: Estimate informed by reported data. Estimate of 87 percent changed from previous revision value of 86 percent. GoC=R+ S+ D+
- 2014: Estimate informed by reported data. GoC=R+ S+ D+
- 2013: Estimate informed by reported data supported by survey.Survey evidence of 94 percent based on 1 survey(s). GoC=R+ S+ D+

	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024
Estimate	92	86	87	82	86	93	87	78	75	81	84	84
Estimate GoC	●●●	●●●	●●●	●●●	●●●	●●●	●●●	●●	●●	●●	●●	●●
Official	92	86	87	82	86	93	87	78	75	81	84	84
Administrative	93	86	84	81	85	93	88	78	75	81	84	84
Survey	94	-	-	-	87	-	-	-	-	-	-	-

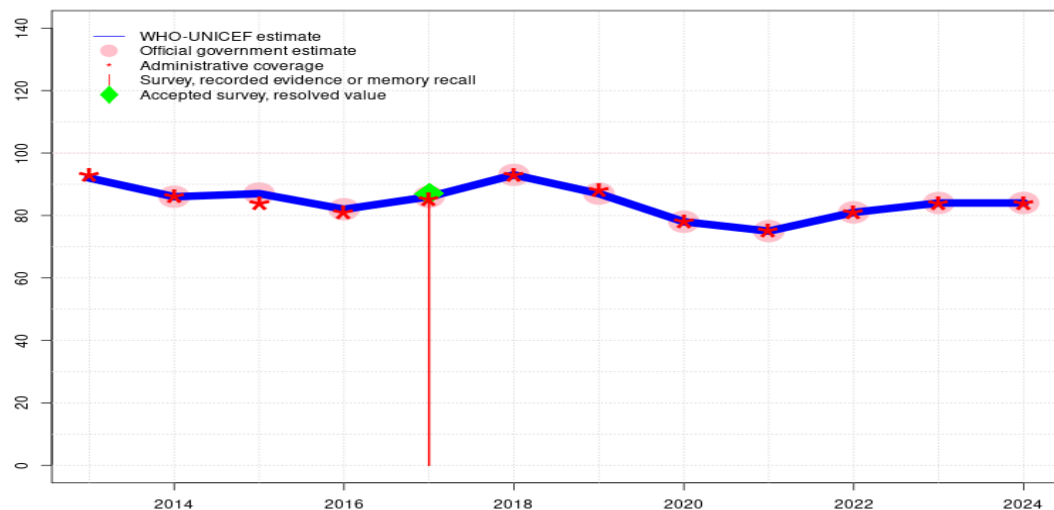
The WHO and UNICEF estimates of national immunization coverage (wuenic) are based on data and information that are of varying, and, in some instances, unknown quality. Beginning with the 2011 revision we describe the grade of confidence (GoC) we have in these estimates. As there is no underlying probability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

# Serbia - RCV1

SRB - RCV1



## Description:

2024: Estimate based on estimated MCV1. 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. 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=R+ D+

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

2018: Estimate based on estimated MCV1. Estimate of 93 percent changed from previous revision value of 92 percent. GoC=R+ S+ D+

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

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

2015: Estimate based on estimated MCV1. Estimate of 87 percent changed from previous revision value of 86 percent. GoC=R+ S+ D+

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

2013: Estimate based on estimated MCV1. GoC=R+ S+ D+

	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024
Estimate	92	86	87	82	86	93	87	78	75	81	84	84
Estimate GoC	●●●	●●●	●●●	●●●	●●●	●●●	●●●	●●	●●	●●	●●	●●
Official	-	86	87	82	86	93	87	78	75	81	84	84
Administrative	93	86	84	81	85	93	88	78	75	81	84	84
Survey	-	-	-	-	87	-	-	-	-	-	-	-

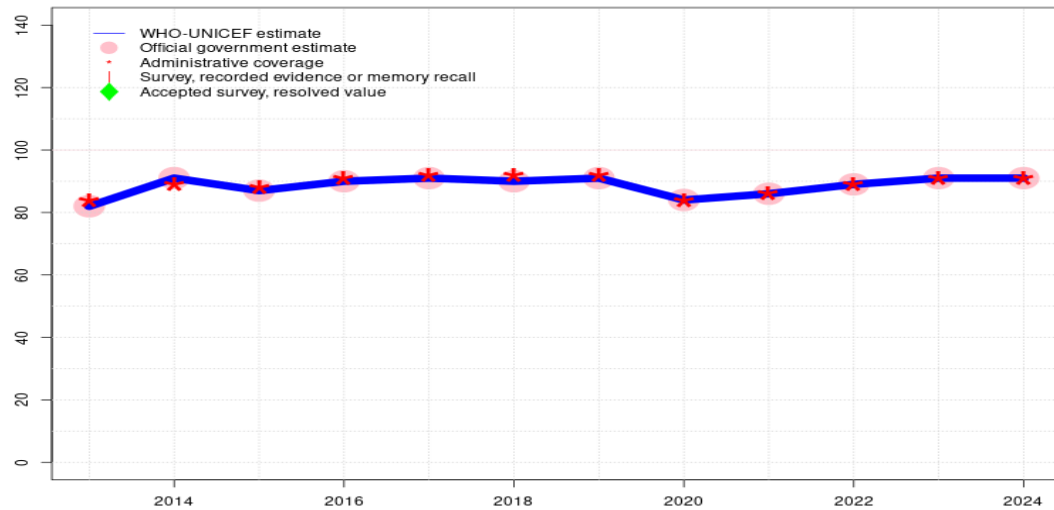
The WHO and UNICEF estimates of national immunization coverage (wuenic) are based on data and information that are of varying, and, in some instances, unknown quality. Beginning with the 2011 revision we describe the grade of confidence (GoC) we have in these estimates. As there is no underlying probability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

# Serbia - MCV2

SRB - MCV2



## Description:

2024: Estimate informed by 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. 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 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. GoC=R+ D+

2015: Estimate informed by reported data. Estimate of 87 percent changed from previous revision value of 86 percent. GoC=R+ D+

2014: Estimate informed by reported data. GoC=R+ D+

2013: Estimate informed by reported data. GoC=R+ D+

	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024
Estimate	82	91	87	90	91	90	91	84	86	89	91	91
Estimate GoC	●●	●●	●●	●●	●●	●●	●●	●●	●●	●●	●●	●●
Official	82	91	87	90	91	90	91	84	86	89	91	91
Administrative	84	89	88	91	92	92	92	84	86	89	91	91
Survey	-	-	-	-	-	-	-	-	-	-	-	-

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

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

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

# Serbia - 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.

## 2018 Serbia Multiple Indicator Cluster Survey 2019

Vaccine	Confirmation method	Coverage	Age cohort	Sample	Evidence seen
BCG	Recall	19.3	12-23 m	365	68
BCG	Record	77.3	12-23 m	365	68
BCG	Record or Recall	96.6	12-23 m	365	68
BCG	Record or Recall<12m	96.4	12-23 m	365	68
DTP1	Recall	15.6	12-23 m	365	68
DTP1	Record	80.8	12-23 m	365	68
DTP1	Record or Recall	96.5	12-23 m	365	68
DTP1	Record or Recall<12m	94.8	12-23 m	365	68
DTP3	Recall	13.9	12-23 m	365	68
DTP3	Record	78	12-23 m	365	68
DTP3	Record or Recall	91.8	12-23 m	365	68
DTP3	Record or Recall<12m	91.3	12-23 m	365	68
HEPB1	Recall	15.1	12-23 m	365	68
HEPB1	Record	81.2	12-23 m	365	68
HEPB1	Record or Recall	96.3	12-23 m	365	68
HEPB1	Record or Recall<12m	96	12-23 m	365	68
HEPBB	Recall	16.2	12-23 m	365	68
HEPBB	Record	81.4	12-23 m	365	68
HEPBB	Record or Recall	97.6	12-23 m	365	68

HEPBB	Record or Recall<12m	97.6	12-23 m	365	68
HIB1	Recall	15.6	12-23 m	365	68
HIB1	Record	80.1	12-23 m	365	68
HIB1	Record or Recall	95.8	12-23 m	365	68
HIB1	Record or Recall<12m	94.1	12-23 m	365	68
HIB3	Recall	13.9	12-23 m	365	68
HIB3	Record	77.3	12-23 m	365	68
HIB3	Record or Recall	91.1	12-23 m	365	68
HIB3	Record or Recall<12m	90.6	12-23 m	365	68
IPV1	Recall	16.4	12-23 m	365	68
IPV1	Record	80.8	12-23 m	365	68
IPV1	Record or Recall	97.2	12-23 m	365	68
IPV1	Record or Recall<12m	95.5	12-23 m	365	68
PCV1	Recall	11.4	12-23 m	365	68
PCV1	Record	60	12-23 m	365	68
PCV1	Record or Recall	71.4	12-23 m	365	68
PCV1	Record or Recall<12m	70.9	12-23 m	365	68
PCV3	Recall	8.7	12-23 m	365	68
PCV3	Record	56.7	12-23 m	365	68
PCV3	Record or Recall	65.4	12-23 m	365	68
PCV3	Record or Recall<12m	64.2	12-23 m	365	68
POL1	Recall	16.4	12-23 m	365	68
POL1	Record	80.8	12-23 m	365	68
POL1	Record or Recall	97.2	12-23 m	365	68
POL1	Record or Recall<12m	95.5	12-23 m	365	68
POL3	Recall	14.6	12-23 m	365	68
POL3	Record	78	12-23 m	365	68
POL3	Record or Recall	92.6	12-23 m	365	68
POL3	Record or Recall<12m	92	12-23 m	365	68

## 2017 Serbia Multiple Indicator Cluster Survey 2019

Vaccine	Confirmation method	Coverage	Age cohort	Sample	Evidence seen
BCG	Recall	16.4	24-35 m	384	-
BCG	Record	76.7	24-35 m	384	-
BCG	Record or Recall	93	24-35 m	384	-
BCG	Record or Recall<12m	92.5	24-35 m	384	-
DTP1	Recall	10.9	24-35 m	384	-
DTP1	Record	85.2	24-35 m	384	-



# Serbia - Survey Details

DTP1	Record or Recall	96	24-35 m	384	-
DTP1	Record or Recall<12m	95.4	24-35 m	384	-
DTP3	Recall	10.7	24-35 m	384	-
DTP3	Record	84	24-35 m	384	-
DTP3	Record or Recall	94.7	24-35 m	384	-
DTP3	Record or Recall<12m	89.8	24-35 m	384	-
HEPB1	Recall	12.2	24-35 m	384	-
HEPB1	Record	85.2	24-35 m	384	-
HEPB1	Record or Recall	97.4	24-35 m	384	-
HEPB1	Record or Recall<12m	97.4	24-35 m	384	-
HEPBB	Recall	12	24-35 m	384	-
HEPBB	Record	85.4	24-35 m	384	-
HEPBB	Record or Recall	97.4	24-35 m	384	-
HEPBB	Record or Recall<12m	97.1	24-35 m	384	-
HIB1	Recall	10.9	24-35 m	384	-
HIB1	Record	85.2	24-35 m	384	-
HIB1	Record or Recall	96	24-35 m	384	-
HIB1	Record or Recall<12m	95.4	24-35 m	384	-
HIB3	Recall	10.7	24-35 m	384	-
HIB3	Record	84	24-35 m	384	-
HIB3	Record or Recall	94.7	24-35 m	384	-
HIB3	Record or Recall<12m	89.8	24-35 m	384	-
IPV1	Recall	10.6	24-35 m	384	-
IPV1	Record	85.3	24-35 m	384	-
IPV1	Record or Recall	95.9	24-35 m	384	-
IPV1	Record or Recall<12m	95.3	24-35 m	384	-
MCV1	Recall	10.1	24-35 m	384	-
MCV1	Record	77.2	24-35 m	384	-
MCV1	Record or Recall	87.2	24-35 m	384	-
MCV1	Record or Recall<12m	83.6	24-35 m	384	-
PCV1	Recall	7.9	24-35 m	384	-
PCV1	Record	10.2	24-35 m	384	-
PCV1	Record or Recall	18.1	24-35 m	384	-
PCV1	Record or Recall<12m	8.3	24-35 m	384	-
PCV3	Recall	8.3	24-35 m	384	-
PCV3	Record	3.6	24-35 m	384	-
PCV3	Record or Recall	11.8	24-35 m	384	-
PCV3	Record or Recall<12m	11.8	24-35 m	384	-
POL1	Recall	10.6	24-35 m	384	-
POL1	Record	85.3	24-35 m	384	-

POL1	Record or Recall	95.9	24-35 m	384	-
POL1	Record or Recall<12m	95.3	24-35 m	384	-
POL3	Recall	10.5	24-35 m	384	-
POL3	Record	84	24-35 m	384	-
POL3	Record or Recall	94.5	24-35 m	384	-
POL3	Record or Recall<12m	89.6	24-35 m	384	-
RCV1	Recall	10.1	24-35 m	384	-
RCV1	Record	77.2	24-35 m	384	-
RCV1	Record or Recall	87.2	24-35 m	384	-
RCV1	Record or Recall<12m	83.6	24-35 m	384	-

## 2013 Serbia Multiple Indicator Cluster Survey 2014

Vaccine	Confirmation method	Coverage	Age cohort	Sample	Evidence seen
BCG	Recall	17.6	12-23 m	-	87
BCG	Record	80.3	12-23 m	-	87
BCG	Record or Recall	98	12-23 m	489	87
BCG	Record or Recall<12m	98	12-23 m	489	87
DTP1	Recall	6.4	12-23 m	-	87
DTP1	Record	86.6	12-23 m	-	87
DTP1	Record or Recall	93.1	12-23 m	489	87
DTP1	Record or Recall<12m	92.9	12-23 m	489	87
DTP3	Recall	5.1	12-23 m	-	87
DTP3	Record	83.9	12-23 m	-	87
DTP3	Record or Recall	89	12-23 m	489	87
DTP3	Record or Recall<12m	87.4	12-23 m	489	87
HEPB1	Recall	12.3	12-23 m	-	87
HEPB1	Record	86.2	12-23 m	-	87
HEPB1	Record or Recall	98.5	12-23 m	489	87
HEPB1	Record or Recall<12m	98.2	12-23 m	489	87
HEPB3	Recall	11	12-23 m	-	87
HEPB3	Record	82.2	12-23 m	-	87
HEPB3	Record or Recall	93.2	12-23 m	489	87
HEPB3	Record or Recall<12m	91.3	12-23 m	489	87
HEPBB	Recall	12.3	12-23 m	-	87
HEPBB	Record	86.2	12-23 m	-	87
HEPBB	Record or Recall	98.5	12-23 m	489	87
HEPBB	Record or Recall<12m	98.2	12-23 m	489	87
HIB1	Recall	6.7	12-23 m	-	87

HIB1	Record	85.3	12-23 m	-	87
HIB1	Record or Recall	92	12-23 m	489	87
HIB1	Record or Recall<12m	91.5	12-23 m	489	87
HIB3	Recall	5.6	12-23 m	-	87
HIB3	Record	77.1	12-23 m	-	87
HIB3	Record or Recall	82.7	12-23 m	489	87
HIB3	Record or Recall<12m	80.4	12-23 m	489	87
MCV1	Recall	12.2	24-35 m	-	-
MCV1	Record	82.3	24-35 m	-	-
MCV1	Record or Recall	94.4	24-35 m	465	-
POL1	Recall	6.4	12-23 m	-	87
POL1	Record	86.5	12-23 m	-	87
POL1	Record or Recall	92.9	12-23 m	489	87
POL1	Record or Recall<12m	92.8	12-23 m	489	87
POL3	Recall	5.1	12-23 m	-	87
POL3	Record	83.3	12-23 m	-	87
POL3	Record or Recall	88.4	12-23 m	489	87
POL3	Record or Recall<12m	86.4	12-23 m	489	87

2012 Serbia Multiple Indicator Cluster Survey 2014

Vaccine	Confirmation method	Coverage	Age cohort	Sample	Evidence seen
BCG	Record or Recall<12m	99	24-35 m	465	-
DTP1	Record or Recall<12m	90.5	24-35 m	465	-
DTP3	Record or Recall<12m	85.9	24-35 m	465	-
HEPB1	Record or Recall<12m	98.6	24-35 m	465	-
HEPBB	Record or Recall<12m	99	24-35 m	465	-
HIB1	Record or Recall<12m	90.6	24-35 m	465	-
HIB3	Record or Recall<12m	82.4	24-35 m	465	-
MCV1	Record or Recall<24m	93.4	24-35 m	465	-
POL1	Record or Recall<12m	90.9	24-35 m	465	-
POL3	Record or Recall<12m	85.6	24-35 m	465	-

2004 Serbia Multiple Indicator Cluster Survey 2005

Vaccine	Confirmation method	Coverage	Age cohort	Sample	Evidence seen
BCG	Recall	30.4	18-29 m	782	-
BCG	Record	44.2	18-29 m	782	-
BCG	Record or Recall	74.5	18-29 m	782	-

BCG	Record or Recall<12m	74.1	18-29 m	782	-
DTP1	Recall	25.8	18-29 m	782	-
DTP1	Record	72.7	18-29 m	782	-
DTP1	Record or Recall	98.5	18-29 m	782	-
DTP1	Record or Recall<12m	97.1	18-29 m	782	-
DTP3	Recall	17.8	18-29 m	782	-
DTP3	Record	77.8	18-29 m	782	-
DTP3	Record or Recall	95.6	18-29 m	782	-
DTP3	Record or Recall<12m	89.7	18-29 m	782	-
MCV1	Recall	22.5	18-29 m	782	-
MCV1	Record	64.1	18-29 m	782	-
MCV1	Record or Recall	86.6	18-29 m	782	-
MCV1	Record or Recall<12m	84.1	18-29 m	782	-
POL1	Recall	26.9	18-29 m	782	-
POL1	Record	70	18-29 m	782	-
POL1	Record or Recall	96.9	18-29 m	782	-
POL1	Record or Recall<12m	95	18-29 m	782	-
POL3	Recall	18.7	18-29 m	782	-
POL3	Record	75.1	18-29 m	782	-
POL3	Record or Recall	93.8	18-29 m	782	-
POL3	Record or Recall<12m	88.2	18-29 m	782	-

1999 Federal Republic of Yugoslavia, Multiple Indicator Cluster Survey II  
2000 (excluding Kosovo)

Vaccine	Confirmation method	Coverage	Age cohort	Sample	Evidence seen
BCG	Record or Recall<12m	100	12-23 m	341	76
DTP1	Record or Recall<12m	97.6	12-23 m	341	76
DTP3	Record or Recall<12m	94.9	12-23 m	341	76
POL1	Record or Recall<12m	98.4	12-23 m	341	76
POL3	Record or Recall<12m	98	12-23 m	341	76

1998 Federal Republic of Yugoslavia, Multiple Indicator Cluster Survey II  
2000 (excluding Kosovo)

Vaccine	Confirmation method	Coverage	Age cohort	Sample	Evidence seen
MCV1	Record or Recall	89.2	24-35 m	341	-

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