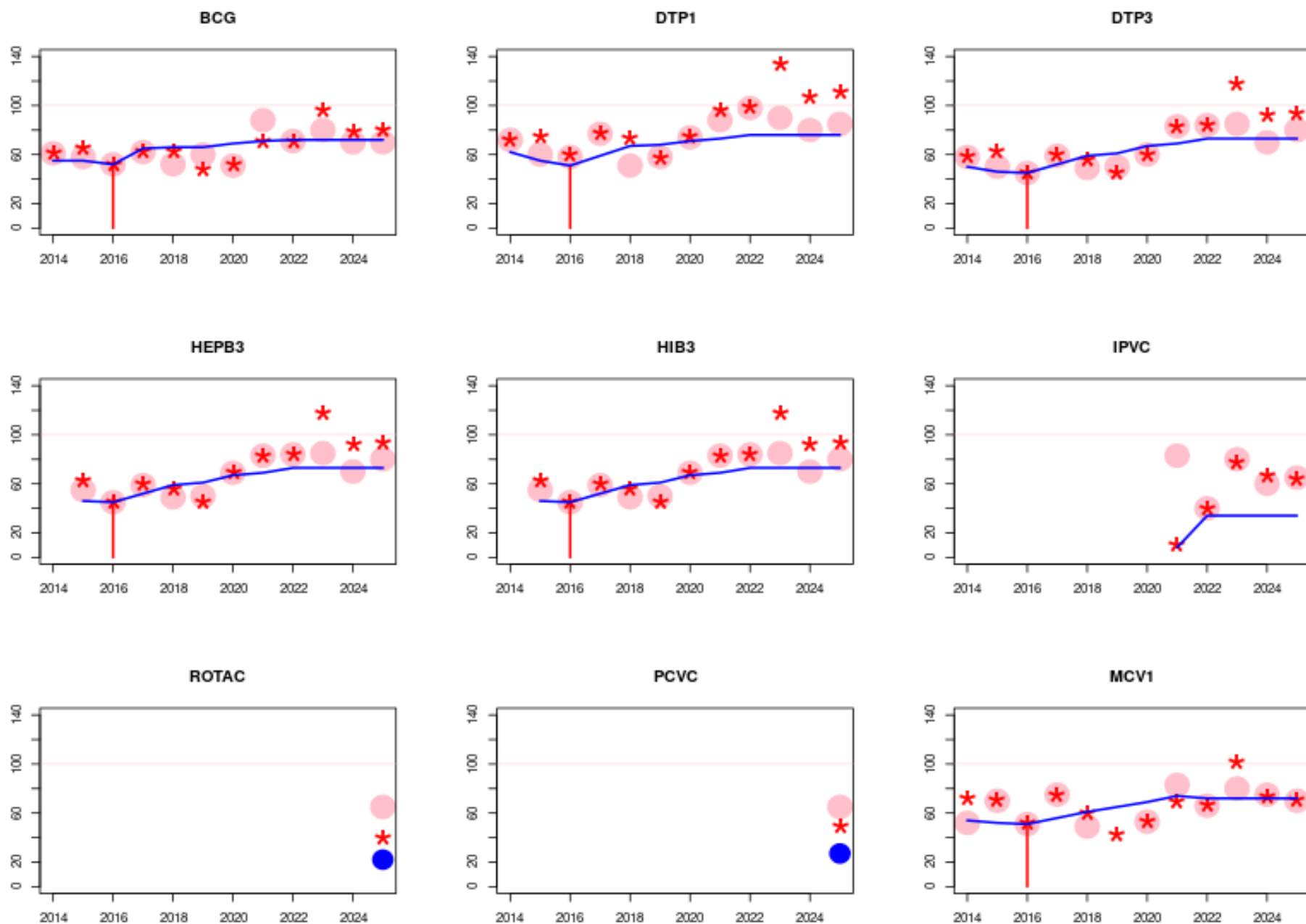




BACKGROUND NOTE Each year WHO and UNICEF jointly review reports submitted by Member States regarding national immunization coverage, finalized survey reports as well as data from published and grey literature. Based on these data, with due consideration to potential biases and the views of local experts,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

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

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

DATA SOURCES

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

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

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

ABBREVIATIONS AND DEFINITIONS

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

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

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

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

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

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

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

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

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

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

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

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

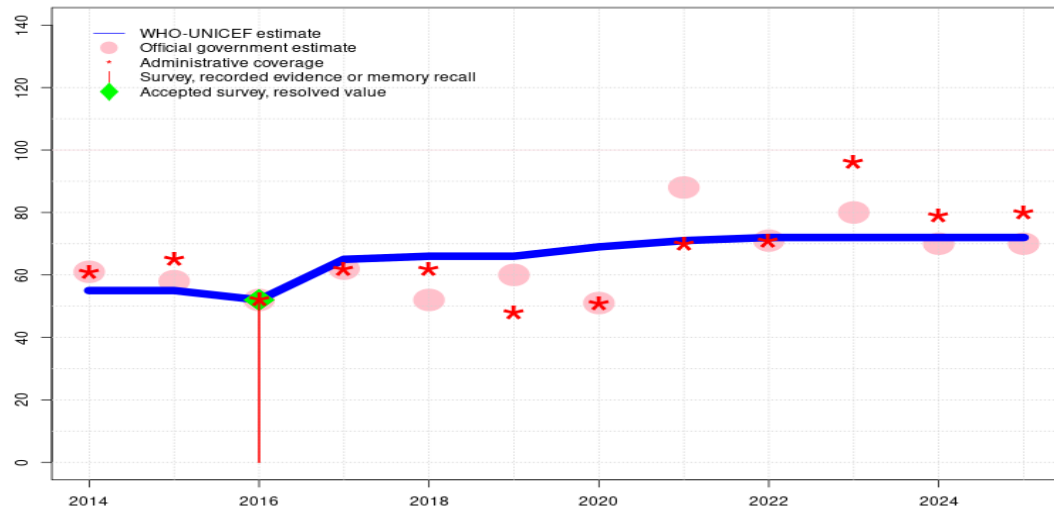
YFV: percentage of surviving infants who received one dose of yellow fever vaccine in countries where YFV is part of the national immunization schedule for children or is recommended in at risk areas; coverage estimates are annualized for the entire cohort of surviving infants.

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

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South Sudan - BCG

SSD - BCG



	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025
Estimate	55	55	52	65	66	66	69	71	72	72	72	72
Estimate GoC	•	•	•	•	•	•	•	•	•	•	•	•
Official	61	58	52	62	52	60	51	88	71	80	70	70
Administrative	61	65	52	62	62	48	51	70	71	96	79	80
Survey	-	-	52	-	-	-	-	-	-	-	-	-

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.

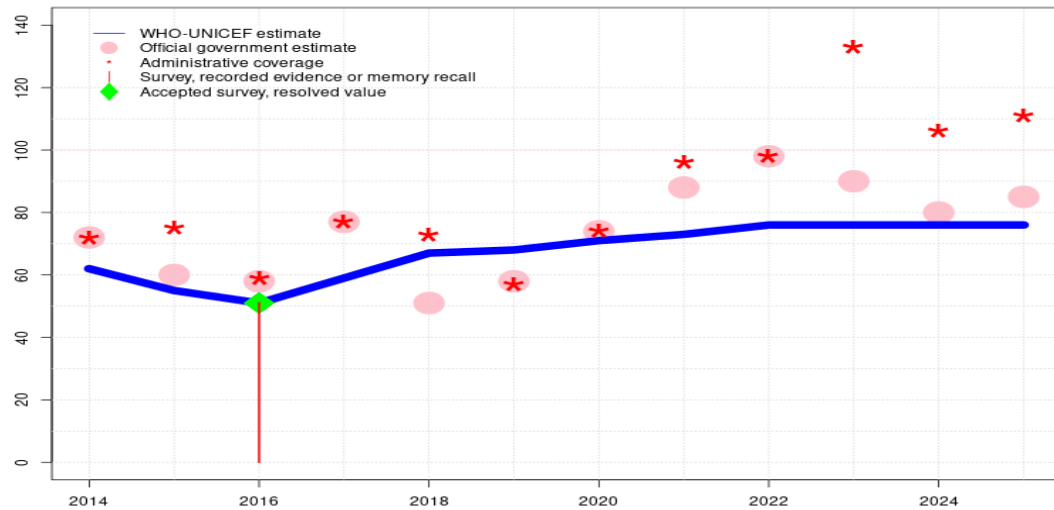
Description:

- 2025: Estimate based on previous year estimate. WHO and UNICEF are aware of the ongoing 2025 Multiple Indicator Cluster Survey (MICS) and await final results. Programme reported 2 months vaccine stock-out at the national level. Coverage from the MICS 2025 Key Findings Report suggest coverage of 65 percent for the cohort vaccinated in 2023. Estimate challenged by: D-R-
- 2024: Estimate based on previous year estimate. Reported data excluded. Official estimated coverage comes from the National Immunization Plan. Programme reported a one-month vaccine stock-out at the national and subnational levels. Estimate challenged by: D-R-
- 2023: Estimate based on previous year estimate. Increase in reported administrative coverage from 2022 is due in part to a change in target population estimates following a population enumeration exercise conducted by the national statistics office in 2021 and published in 2023. WHO and UNICEF encourage continued efforts to improve recording and monitoring, including a high quality survey, while the programme continues efforts to increase vaccination coverage. Estimate challenged by: D-R-
- 2022: Estimate informed by relative change in reported doses administered from 2021 to 2022 applied to the prior year estimated coverage. Across the time-series, estimates may over-estimate coverage given concerns for quality of administrative recording and reporting system. Reported data excluded. Country reports that due to instability in the country, there is a large population movement in and out of the country which affects the denominator. Country also notes issues related to the accuracy of the numerator such as high turn over of vaccination staff coupled with limited capacity in tallying, recording and reporting of immunization data. Estimate challenged by: D-R-
- 2021: Estimate informed by interpolation between estimated coverage for 2020 and 2021. The 13 percent increase in reported BCG doses administered is of such magnitude that it requires validation before being considered a trustworthy year-to-year value. Reported data excluded. Country reports that due to instability in the country, there is a large population movement in and out of the country which affects the denominator. Reported data excluded due to an increase from 51 percent to 88 percent with decrease to 71 percent. Country reports ongoing uncertainty in the target population due to instability and substantial population movement in and out of the country. Reported increases in coverage from 2020 reflect a decline in the reported target population and an apparent increase in the number of children vaccinated which perhaps is an artefact of poor recording and reporting noted in prior years. Estimate challenged by: D-R-
- 2020: Estimate informed by relative change in reported doses administered from 2019 to 2020 applied to the prior year estimated coverage. Reported data excluded. Estimate challenged by: D-R-
- 2019: Estimate informed by relative change in reported doses administered from 2018 to 2019 applied to the prior year estimated coverage. Doses administered for 2019 calculated here based on interpolation between 2018 and 2020 reported values. Reported data excluded. Programme notes reported official coverage is based on results of the 2017 EPI coverage survey although values do not reflect survey results. Unexplained change in denominator

- from 2018 to 2019. Estimate challenged by: D-R-
- 2018: Estimate informed by relative change in reported doses administered from 2017 to 2018 applied to the prior year estimated coverage. Reported official coverage is based on results of the 2017 EPI coverage survey. Estimate challenged by: D-R-S-
- 2017: Estimate informed by relative change in reported doses administered from 2016 to 2017 applied to the prior year estimated coverage. Reported data excluded. Reporting represents 80 percent completeness and may includes campaign doses. Estimate challenged by: D-R-S-
- 2016: Estimate informed by reported data supported by survey. As of 2016, the Republic of South Sudan is challenged by ongoing civil conflict in several states. Population displacements both internally and across international borders continues to be problematic with more than an estimated one million South Sudanese projected to be refugees in neighbouring countries (UNHCR). Not surprisingly given the current situation, concerns continue with regards to quality of recording and monitoring, timeliness and completeness of data. Reported administrative coverage data reflect reporting from 80 percent of total expected district reports. GoC=Assigned by working group. GoC of one for consistency between vaccine doses and previous and later years.
- 2015: Reported data calibrated to 2011 and 2016 levels. Official government reported data reflects coverage derived from the DHIS2 system. Estimate challenged by: D-R-
- 2014: Reported data calibrated to 2011 and 2016 levels. Estimate challenged by: D-R-

South Sudan - DTP1

SSD - DTP1



	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025
Estimate	62	55	51	59	67	68	71	73	76	76	76	76
Estimate GoC	•	•	•	•	•	•	•	•	•	•	•	•
Official	72	60	58	77	51	58	74	88	98	90	80	85
Administrative	72	75	59	77	73	57	74	96	98	133	106	111
Survey	-	-	51	-	-	-	-	-	-	-	-	-

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:

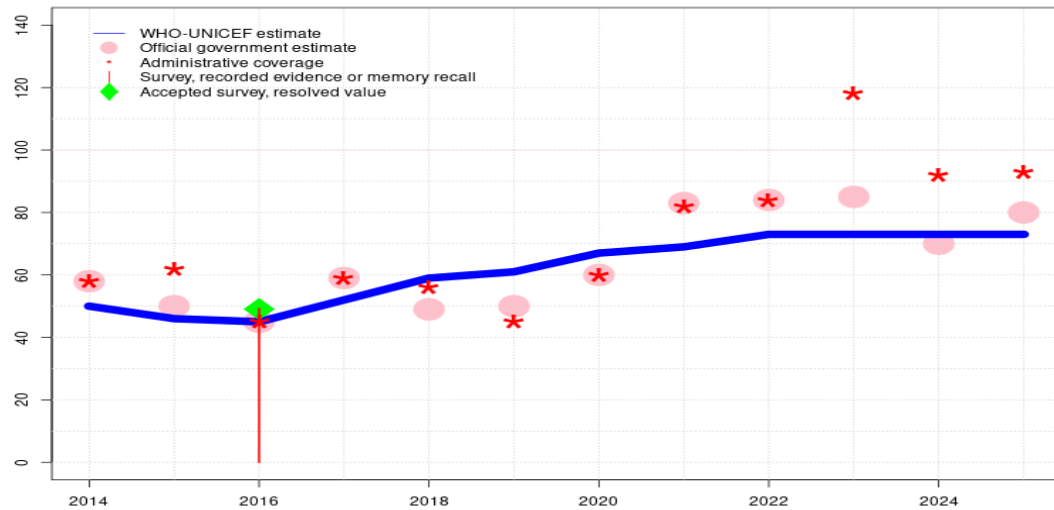
- 2025: Estimate based on previous year estimate. WHO and UNICEF are aware of the ongoing 2025 Multiple Indicator Cluster Survey (MICS) and await final results. Estimate challenged by: D-R-
- 2024: Estimate based on previous year estimate. Reported data excluded. Official estimated coverage comes from the National Immunization Plan. Estimate challenged by: D-R-
- 2023: Estimate based on previous year estimate. Increase in reported administrative coverage from 2022 is due in part to a change in target population estimates following a population enumeration exercise conducted by the national statistics office in 2021 and published in 2023. WHO and UNICEF encourage continued efforts to improve recording and monitoring, including a high quality survey, while the programme continues efforts to increase vaccination coverage. Estimate challenged by: D-R-
- 2022: Estimate informed by relative change in reported doses administered from 2021 to 2022 applied to the prior year estimated coverage. Across the time-series, estimate may over-estimate coverage as well as dropout for multi-dose antigens given concerns for quality of administrative recording and reporting system. Reported data excluded. Country reports that due to instability in the country, there is a large population movement in and out of the country which affects the denominator. Country also notes issues related to the accuracy of the numerator such as high turn over of vaccination staff coupled with limited capacity in tallying, recording and reporting of immunization data. Estimate challenged by: D-R-
- 2021: Estimate informed by relative change in reported doses administered from 2020 to 2021 applied to the prior year estimated coverage. Reported data excluded. Country reports that due to instability in the country, there is a large population movement in and out of the country which affects the denominator. Country reports ongoing uncertainty in the target population due to instability and substantial population movement in and out of the country. Reported increases in coverage from 2020 reflect a decline in the reported target population and an apparent increase in the number of children vaccinated which perhaps is an artefact of poor recording and reporting noted in prior years. Estimate challenged by: D-R-
- 2020: Estimate informed by interpolation between estimated coverage for 2019 and 2021. The 27 percent increase in reported doses administered is of such magnitude that it requires validation before being considered a trustworthy year-to-year value. Reported data excluded. Estimate challenged by: D-R-
- 2019: Estimate informed by relative change in reported doses administered from 2018 to 2019 applied to the prior year estimated coverage. Reported data excluded. Programme notes reported official coverage is based on results of the 2017 EPI coverage survey although values do not reflect survey results. Unexplained change in denominator from 2018 to 2019. Estimate challenged by: D-R-
- 2018: Estimate informed by relative change in reported doses administered from 2017 to 2018 applied to the prior year estimated coverage. Reported official coverage is based on results of the 2017 EPI coverage survey. A review of reported number of doses administered

South Sudan - DTP1

- between 2016 and 2018 suggests an increasing trend in spite of the decreasing trend in reported coverage. Estimate challenged by: D-R-S-
- 2017: Estimate informed by relative change in reported doses administered from 2016 to 2017 applied to the prior year estimated coverage. Doses administered for 2017 based on interpolation between 2016 and 2018 as reported value. Reported data excluded. Reporting represents 80 percent completeness and may includes campaign doses. Reported data excluded due to an increase from 58 percent to 77 percent with decrease to 51 percent. Estimate challenged by: D-R-
- 2016: Estimate informed by on survey result. Although survey data support reported data, there is concern that the reported number of doses for DTP1 is contaminated by DTP2 and/or DTP3 doses. There is also concern about DTP1 data vis-a-vis DTP3; that is, at present, neither the survey result for the 2016 cohort nor the reported numerator data provide reasonable information for DTP1-DTP3 dropout. As of 2016, the Republic of South Sudan is challenged by ongoing civil conflict in several states. Population displacements both internally and across international borders continues to be problematic with more than an estimated one million South Sudanese projected to be refugees in neighbouring countries (UNHCR). Not surprisingly given the current situation, concerns continue with regards to quality of recording and monitoring, timeliness and completeness of data. Reported administrative coverage data reflect reporting from 80 percent of total expected district reports. GoC=Assigned by working group. GoC of one for consistency between vaccine doses and previous and later years.
- 2015: Reported data calibrated to 2011 and 2016 levels. Official government reported data reflects coverage derived from the DHIS2 system. Estimate challenged by: D-R-
- 2014: Reported data calibrated to 2011 and 2016 levels. Estimate challenged by: D-R-S-

South Sudan - DTP3

SSD - DTP3



	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025
Estimate	50	46	45	52	59	61	67	69	73	73	73	73
Estimate GoC	•	•	•	•	•	•	•	•	•	•	•	•
Official	58	50	45	59	49	50	60	83	84	85	70	80
Administrative	58	62	45	59	56	45	60	82	84	118	92	93
Survey	-	-	49	-	-	-	-	-	-	-	-	-

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.

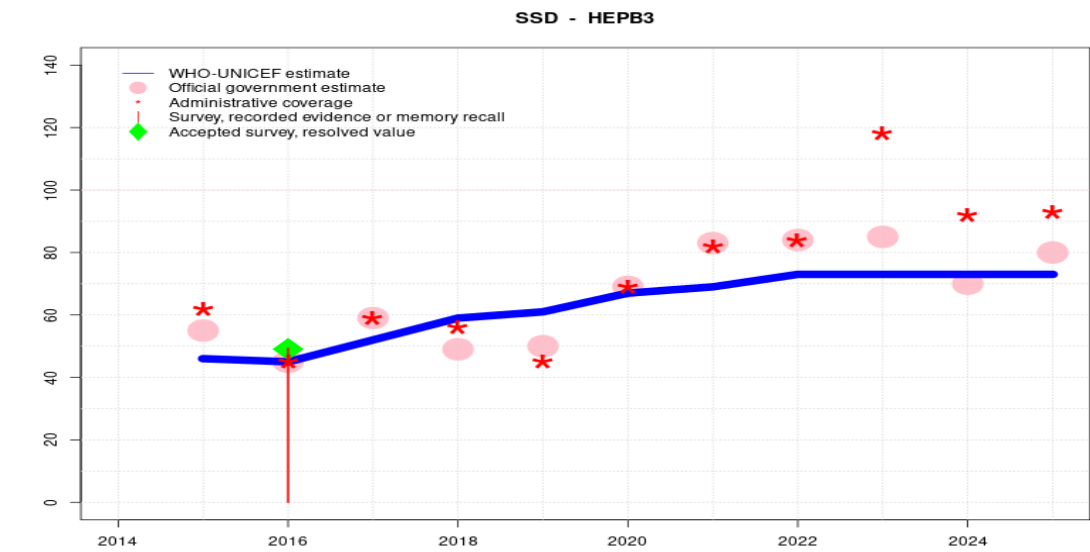
- Estimate is supported by reported data [R+], coverage recalculated with an independent denominator from the World Population Prospects: 2024 revision from the UN Population Division (D+), and at least one supporting survey within 2 years [S+]. While well supported, the estimate still carries a risk 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 previous year estimate. WHO and UNICEF are aware of the ongoing 2025 Multiple Indicator Cluster Survey (MICS) and await final results. Coverage from the MICS 2025 Key Findings Report suggest coverage of 39 percent for the cohort vaccinated in 2023. Estimate challenged by: D-R-
- 2024: Estimate based on previous year estimate. Reported data excluded. Official estimated coverage comes from the National Immunization Plan. Estimate challenged by: D-R-
- 2023: Estimate based on previous year estimate. Increase in reported administrative coverage from 2022 is due in part to a change in target population estimates following a population enumeration exercise conducted by the national statistics office in 2021 and published in 2023. WHO and UNICEF encourage continued efforts to improve recording and monitoring, including a high quality survey, while the programme continues efforts to increase vaccination coverage. Estimate challenged by: D-R-
- 2022: Estimate informed by relative change in reported doses administered from 2021 to 2022 applied to the prior year estimated coverage. Across the time-series, estimate may over-estimate coverage as well as dropout for multi-dose antigens given concerns for quality of administrative recording and reporting system. Reported data excluded. Country reports that due to instability in the country, there is a large population movement in and out of the country which affects the denominator. Country also notes issues related to the accuracy of the numerator such as high turn over of vaccination staff coupled with limited capacity in tallying, recording and reporting of immunization data. Estimate challenged by: D-R-
- 2021: Estimate informed by relative change in reported doses administered from 2020 to 2021 applied to the prior year estimated coverage. Reported data excluded. Country reports that due to instability in the country, there is a large population movement in and out of the country which affects the denominator. Country reports ongoing uncertainty in the target population due to instability and substantial population movement in and out of the country. Reported increases in coverage from 2020 reflect a decline in the reported target population and an apparent increase in the number of children vaccinated which perhaps is an artefact of poor recording and reporting noted in prior years. Estimate challenged by: D-R-
- 2020: Estimate informed by interpolation between estimated coverage for 2019 and 2021. The 32 percent increase in reported doses administered is of such magnitude that it requires validation before being considered a trustworthy year-to-year value. Reported data excluded. Estimate challenged by: D-R-
- 2019: Estimate informed by relative change in reported doses administered from 2018 to 2019 applied to the prior year estimated coverage. Reported data excluded. Programme notes reported official coverage is based on results of the 2017 EPI coverage survey although values do not reflect survey results. Unexplained change in denominator from 2018 to 2019. Estimate challenged by: D-R-
- 2018: Estimate informed by relative change in reported doses administered from 2017 to 2018 applied to the prior year estimated coverage. Reported official coverage is based on results

- of the 2017 EPI coverage survey. Estimate challenged by: D-R-
- 2017: Estimate informed by relative change in reported doses administered from 2016 to 2017 applied to the prior year estimated coverage. Reported data excluded. Reporting represents 80 percent completeness and may includes campaign doses. Estimate challenged by: D-R-
- 2016: Estimate informed by reported data supported by survey. As of 2016, the Republic of South Sudan is challenged by ongoing civil conflict in several states. Population displacements both internally and across international borders continues to be problematic with more than an estimated one million South Sudanese projected to be refugees in neighbouring countries (UNHCR). Not surprisingly given the current situation, concerns continue with regards to quality of recording and monitoring, timeliness and completeness of data. Reported administrative coverage data reflect reporting from 80 percent of total expected district reports. GoC=Assigned by working group. GoC of one for consistency between vaccine doses and previous and later years.
- 2015: Reported data calibrated to 2011 and 2016 levels. Official government reported data reflects coverage derived from the DHIS2 system. Estimate challenged by: D-R-
- 2014: Reported data calibrated to 2011 and 2016 levels. Estimate challenged by: R-



	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025
Estimate	-	46	45	52	59	61	67	69	73	73	73	73
Estimate GoC	-	•	•	•	•	•	•	•	•	•	•	•
Official	-	55	45	59	49	50	69	83	84	85	70	80
Administrative	-	62	45	59	56	45	69	82	84	118	92	93
Survey	-	-	49	-	-	-	-	-	-	-	-	-

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

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

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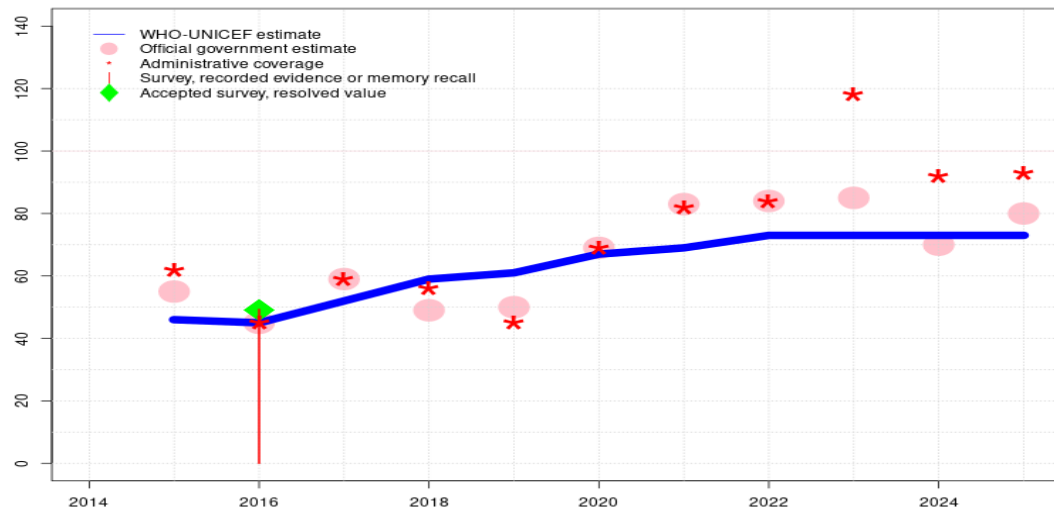
Description:

- 2025: Estimate based on previous year estimate. WHO and UNICEF are aware of the ongoing 2025 Multiple Indicator Cluster Survey (MICS) and await final results. Coverage from the MICS 2025 Key Findings Report suggest coverage of 39 percent for the cohort vaccinated in 2023. Estimate challenged by: D-R-
- 2024: Estimate based on previous year estimate. Reported data excluded. Official estimated coverage comes from the National Immunization Plan. Estimate challenged by: D-R-
- 2023: Estimate based on previous year estimate. Increase in reported administrative coverage from 2022 is due in part to a change in target population estimates following a population enumeration exercise conducted by the national statistics office in 2021 and published in 2023. WHO and UNICEF encourage continued efforts to improve recording and monitoring, including a high quality survey, while the programme continues efforts to increase vaccination coverage. Estimate challenged by: D-R-
- 2022: Estimate informed by relative change in reported doses administered from 2021 to 2022 applied to the prior year estimated coverage. Across the time-series, estimate may over-estimate coverage as well as dropout for multi-dose antigens given concerns for quality of administrative recording and reporting system. Reported data excluded. Country reports that due to instability in the country, there is a large population movement in and out of the country which affects the denominator. Country also notes issues related to the accuracy of the numerator such as high turn over of vaccination staff coupled with limited capacity in tallying, recording and reporting of immunization data. Estimate challenged by: D-R-
- 2021: Estimate informed by relative change in reported doses administered from 2020 to 2021 applied to the prior year estimated coverage. Reported data excluded. Country reports that due to instability in the country, there is a large population movement in and out of the country which affects the denominator. Country reports ongoing uncertainty in the target population due to instability and substantial population movement in and out of the country. Reported increases in coverage from 2020 reflect a decline in the reported target population and an apparent increase in the number of children vaccinated which perhaps is an artefact of poor recording and reporting noted in prior years. Estimate challenged by: D-R-
- 2020: Estimate informed by interpolation between estimated coverage for 2019 and 2021. The 32 percent increase in reported doses administered is of such magnitude that it requires validation before being considered a trustworthy year-to-year value. Reported data excluded. Estimate challenged by: D-R-
- 2019: Estimate informed by relative change in reported doses administered from 2018 to 2019 applied to the prior year estimated coverage. Reported data excluded. Programme notes reported official coverage is based on results of the 2017 EPI coverage survey although values do not reflect survey results. Unexplained change in denominator from 2018 to 2019. Estimate challenged by: D-R-
- 2018: Estimate informed by relative change in reported doses administered from 2017 to 2018 applied to the prior year estimated coverage. Reported official coverage is based on results

- of the 2017 EPI coverage survey. Estimate challenged by: D-R-
- 2017: Estimate informed by relative change in reported doses administered from 2016 to 2017 applied to the prior year estimated coverage. Reported data excluded. Reporting represents 80 percent completeness and may includes campaign doses. Estimate challenged by: D-R-
- 2016: Estimate informed by reported data supported by survey. As of 2016, the Republic of South Sudan is challenged by ongoing civil conflict in several states. Population displacements both internally and across international borders continues to be problematic with more than an estimated one million South Sudanese projected to be refugees in neighbouring countries (UNHCR). Not surprisingly given the current situation, concerns continue with regards to quality of recording and monitoring, timeliness and completeness of data. Reported administrative coverage data reflect reporting from 80 percent of total expected district reports. GoC=Assigned by working group. GoC of one for consistency between vaccine doses and previous and later years.
- 2015: DTP-HepB-Hib vaccine introduced in July 2014. Reporting began during 2015. Estimate informed by DTP3 level. Official government reported data reflects coverage derived from the DHIS2 system. Estimate challenged by: D-R-

South Sudan - HIB3

SSD - HIB3



	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025
Estimate	-	46	45	52	59	61	67	69	73	73	73	73
Estimate GoC	-	•	•	•	•	•	•	•	•	•	•	•
Official	-	55	45	59	49	50	69	83	84	85	70	80
Administrative	-	62	45	59	56	45	69	82	84	118	92	93
Survey	-	-	49	-	-	-	-	-	-	-	-	-

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.

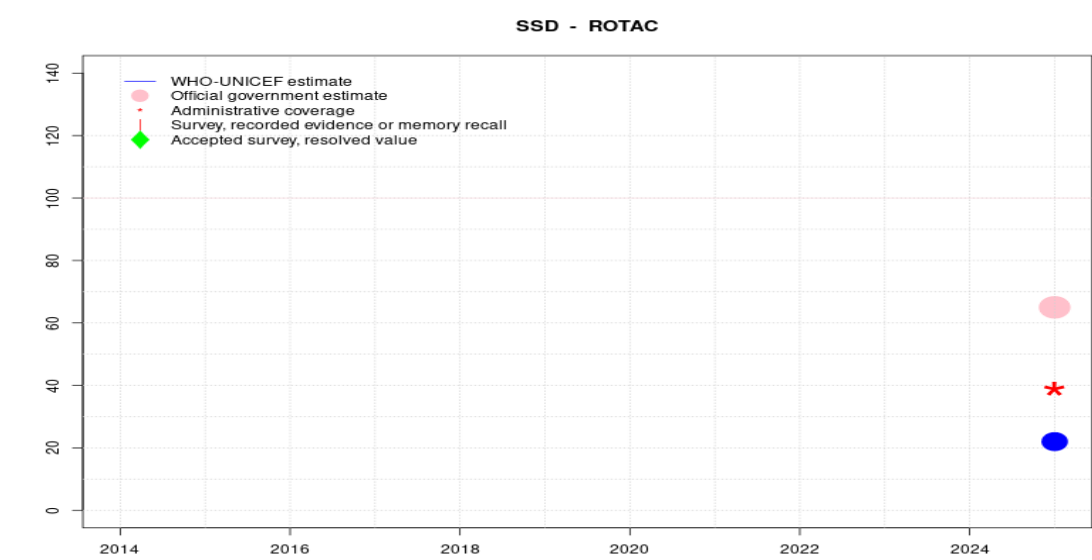
Description:

- 2025: Estimate based on previous year estimate. WHO and UNICEF are aware of the ongoing 2025 Multiple Indicator Cluster Survey (MICS) and await final results. Coverage from the MICS 2025 Key Findings Report suggest coverage of 39 percent for the cohort vaccinated in 2023. Estimate challenged by: D-R-
- 2024: Estimate based on previous year estimate. Reported data excluded. Official estimated coverage comes from the National Immunization Plan. Estimate challenged by: D-R-
- 2023: Estimate based on previous year estimate. Increase in reported administrative coverage from 2022 is due in part to a change in target population estimates following a population enumeration exercise conducted by the national statistics office in 2021 and published in 2023. WHO and UNICEF encourage continued efforts to improve recording and monitoring, including a high quality survey, while the programme continues efforts to increase vaccination coverage. Estimate challenged by: D-R-
- 2022: Estimate informed by relative change in reported doses administered from 2021 to 2022 applied to the prior year estimated coverage. Across the time-series, estimate may over-estimate coverage as well as dropout for multi-dose antigens given concerns for quality of administrative recording and reporting system. Reported data excluded. Country reports that due to instability in the country, there is a large population movement in and out of the country which affects the denominator. Country also notes issues related to the accuracy of the numerator such as high turn over of vaccination staff coupled with limited capacity in tallying, recording and reporting of immunization data. Estimate challenged by: D-R-
- 2021: Estimate informed by relative change in reported doses administered from 2020 to 2021 applied to the prior year estimated coverage. Reported data excluded. Country reports that due to instability in the country, there is a large population movement in and out of the country which affects the denominator. Country reports ongoing uncertainty in the target population due to instability and substantial population movement in and out of the country. Reported increases in coverage from 2020 reflect a decline in the reported target population and an apparent increase in the number of children vaccinated which perhaps is an artefact of poor recording and reporting noted in prior years. Estimate challenged by: D-R-
- 2020: Estimate informed by interpolation between estimated coverage for 2019 and 2021. The 32 percent increase in reported doses administered is of such magnitude that it requires validation before being considered a trustworthy year-to-year value. Reported data excluded. Estimate challenged by: D-R-
- 2019: Estimate informed by relative change in reported doses administered from 2018 to 2019 applied to the prior year estimated coverage. Reported data excluded. Programme notes reported official coverage is based on results of the 2017 EPI coverage survey although values do not reflect survey results. Unexplained change in denominator from 2018 to 2019. Estimate challenged by: D-R-
- 2018: Estimate informed by relative change in reported doses administered from 2017 to 2018 applied to the prior year estimated coverage. Reported official coverage is based on results

South Sudan - HIB3

- of the 2017 EPI coverage survey. Estimate challenged by: D-R-
- 2017: Estimate informed by relative change in reported doses administered from 2016 to 2017 applied to the prior year estimated coverage. Reported data excluded. Reporting represents 80 percent completeness and may includes campaign doses. Estimate challenged by: D-R-
- 2016: Estimate informed by reported data supported by survey. As of 2016, the Republic of South Sudan is challenged by ongoing civil conflict in several states. Population displacements both internally and across international borders continues to be problematic with more than an estimated one million South Sudanese projected to be refugees in neighbouring countries (UNHCR). Not surprisingly given the current situation, concerns continue with regards to quality of recording and monitoring, timeliness and completeness of data. Reported administrative coverage data reflect reporting from 80 percent of total expected district reports. GoC=Assigned by working group. GoC of one for consistency between vaccine doses and previous and later years.
- 2015: DTP-HepB-Hib vaccine introduced in July 2014. Reporting began during 2015. Estimate informed by DTP3 level. Official government reported data reflects coverage derived from the DHIS2 system. Estimate challenged by: D-R-

South Sudan - ROTAC



Description:

2025: Programme reports 39 percent coverage achieved in 56 percent of target population. Estimate informed by coverage achieved in total annual national target population. WHO and UNICEF are aware of the ongoing 2025 Multiple Indicator Cluster Survey (MICS) and await final results. Rotavirus vaccine introduced in 2025. Estimate challenged by: D-R-

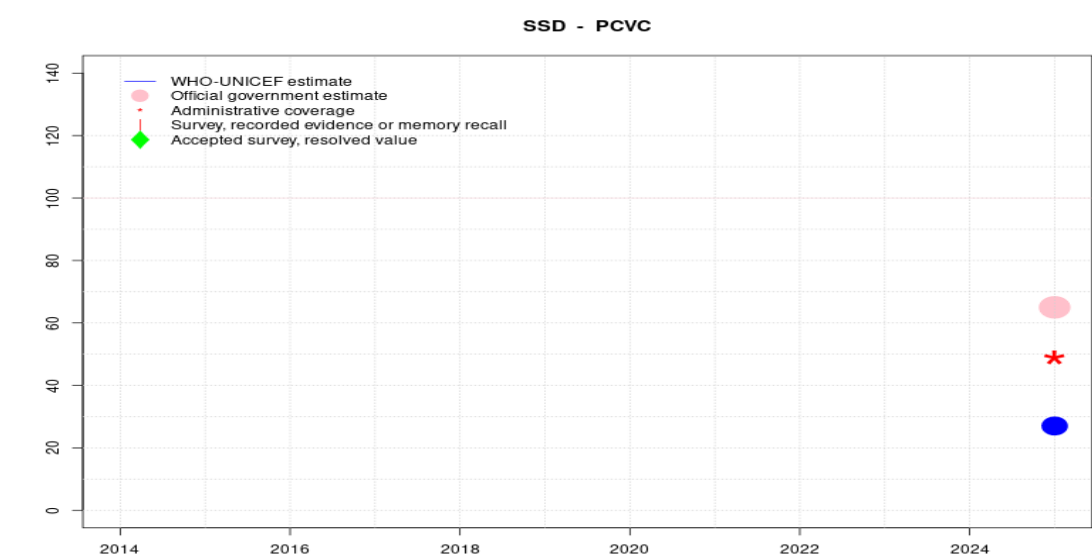
	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025
Estimate	-	-	-	-	-	-	-	-	-	-	-	22
Estimate GoC	-	-	-	-	-	-	-	-	-	-	-	●
Official	-	-	-	-	-	-	-	-	-	-	-	65
Administrative	-	-	-	-	-	-	-	-	-	-	-	39
Survey	-	-	-	-	-	-	-	-	-	-	-	-

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.

South Sudan - PCVC



Description:

2025: Programme reports 49 percent coverage achieved in 56 percent of target population. Estimate informed by coverage achieved in total annual national target population. WHO and UNICEF are aware of the ongoing 2025 Multiple Indicator Cluster Survey (MICS) and await final results. Vaccine introduced in 2025. Estimate challenged by: D-R-

	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025
Estimate	-	-	-	-	-	-	-	-	-	-	-	27
Estimate GoC	-	-	-	-	-	-	-	-	-	-	-	●
Official	-	-	-	-	-	-	-	-	-	-	-	65
Administrative	-	-	-	-	-	-	-	-	-	-	-	49
Survey	-	-	-	-	-	-	-	-	-	-	-	-

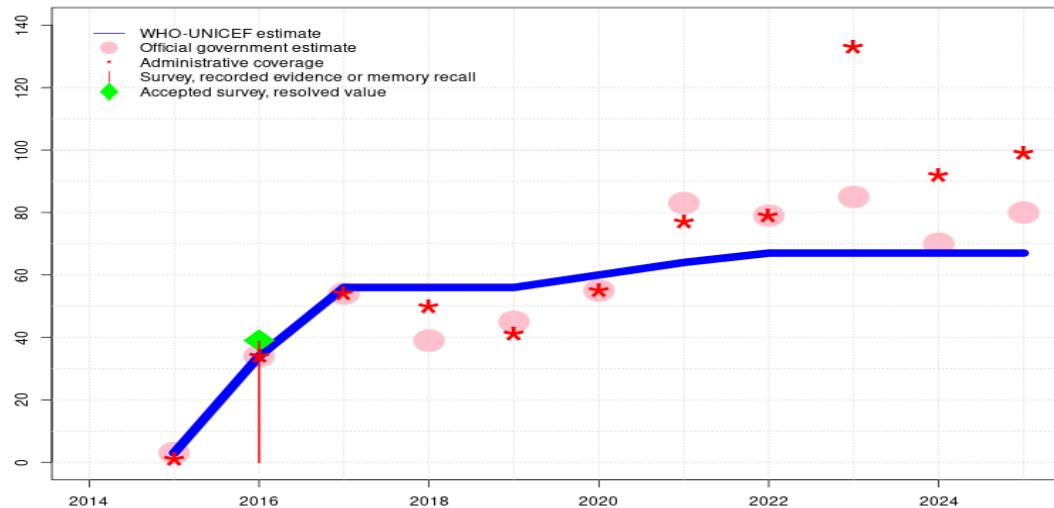
The WHO and UNICEF estimates of national immunization coverage (wuenic) are based on data and information that are of varying, and, in some instances, unknown quality. Beginning with the 2011 revision we describe the grade of confidence (GoC) we have in these estimates. As there is no underlying probability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

South Sudan - IPV1

SSD - IPV1



	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025
Estimate	-	3	34	56	56	56	60	64	67	67	67	67
Estimate GoC	-	●	●	●	●	●	●	●	●	●	●	●
Official	-	3	34	54	39	45	55	83	79	85	70	80
Administrative	-	1	34	54	50	41	55	77	79	133	92	99
Survey	-	-	39	-	-	-	-	-	-	-	-	-

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 previous year estimate. WHO and UNICEF are aware of the ongoing 2025 Multiple Indicator Cluster Survey (MICS) and await final results. Estimate challenged by: D-R-
- 2024: Estimate based on previous year estimate. Reported data excluded. Official estimated coverage comes from the National Immunization Plan. Estimate challenged by: D-R-
- 2023: Estimate based on previous year estimate. Increase in reported administrative coverage from 2022 is due in part to a change in target population estimates following a population enumeration exercise conducted by the national statistics office in 2021 and published in 2023. WHO and UNICEF encourage continued efforts to improve recording and monitoring, including a high quality survey, while the programme continues efforts to increase vaccination coverage. Estimate challenged by: D-R-
- 2022: Estimate informed by relative change in reported doses administered from 2021 to 2022 applied to the prior year estimated coverage. Across the time-series, estimates may over-estimate coverage given concerns for quality of administrative recording and reporting system. Reported data excluded. Country reports that due to instability in the country, there is a large population movement in and out of the country which affects the denominator. Country also notes issues related to the accuracy of the numerator such as high turn over of vaccination staff coupled with limited capacity in tallying, recording and reporting of immunization data. Estimate challenged by: D-R-
- 2021: Estimate informed by relative change in reported doses administered from 2020 to 2021 applied to the prior year estimated coverage. Reported data excluded. Country reports that due to instability in the country, there is a large population movement in and out of the country which affects the denominator. Country reports ongoing uncertainty in the target population due to instability and substantial population movement in and out of the country. Reported increases in coverage from 2020 reflect a decline in the reported target population and an apparent increase in the number of children vaccinated which perhaps is an artefact of poor recording and reporting noted in prior years. Estimate challenged by: D-R-
- 2020: Estimate informed by interpolation between estimated coverage for 2019 and 2021. Reported data excluded. Estimate challenged by: D-R-
- 2019: Estimate informed by relative change in reported doses administered from 2018 to 2019 applied to the prior year estimated coverage. Reported data excluded. Programme notes reported official coverage is based on results of the 2017 EPI coverage survey although values do not reflect survey results. Unexplained change in denominator from 2018 to 2019. Estimate challenged by: D-R-
- 2018: Estimate informed by interpolation between 2017 and 2019. Reported official coverage is based on results of the 2017 EPI coverage survey. Estimate challenged by: D-R-S-
- 2017: Estimate informed by relative change in reported doses administered from 2016 to 2017 applied to the prior year estimated coverage. Reported data excluded. Reporting represents 80 percent completeness and may includes campaign doses. Reported data excluded due to an increase from 34 percent to 54 percent with decrease to 39 percent. Estimate

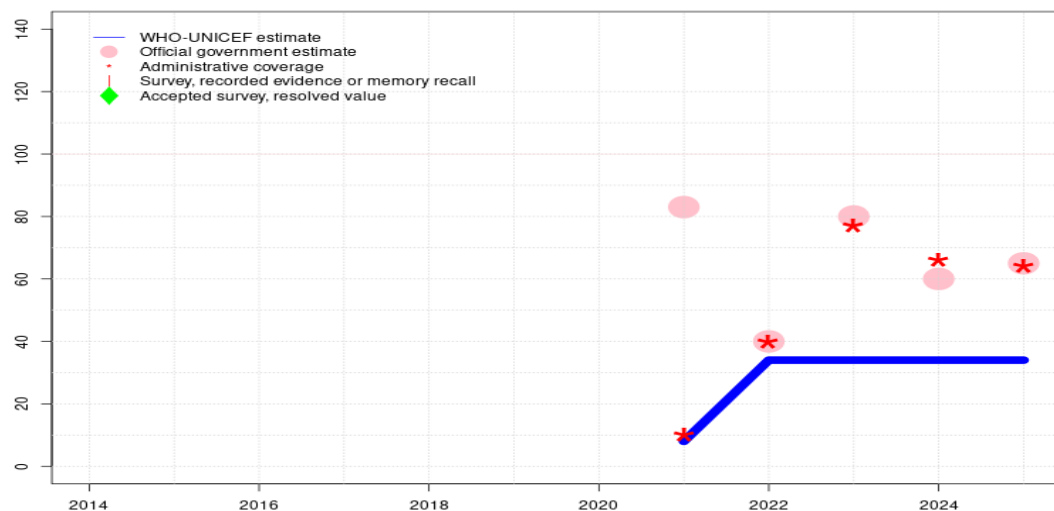
South Sudan - IPV1

challenged by: D-R-S-

- 2016: Estimate informed by reported data supported by survey. As of 2016, the Republic of South Sudan is challenged by ongoing civil conflict in several states. Population displacements both internally and across international borders continues to be problematic with more than an estimated one million South Sudanese projected to be refugees in neighbouring countries (UNHCR). Not surprisingly given the current situation, concerns continue with regards to quality of recording and monitoring, timeliness and completeness of data. Reported administrative coverage data reflect reporting from 80 percent of total expected district reports. GoC=Assigned by working group. GoC of one for consistency between vaccine doses and previous and later years.
- 2015: Estimate informed by reported data. Official government reported data reflects coverage derived from the DHIS2 system. Inactivated polio vaccine during December 2015. GoC=Assigned by working group. GoC assigned to maintain consistency across vaccines.

South Sudan - IPVC

SSD - IPVC



Description:

- 2025: Estimate based on previous year estimate. WHO and UNICEF are aware of the ongoing 2025 Multiple Indicator Cluster Survey (MICS) and await final results. Estimate challenged by: D-R-
- 2024: Estimate based on previous year estimate. Reported data excluded. Official estimated coverage comes from the National Immunization Plan. Estimate challenged by: D-R-
- 2023: Estimate based on previous year estimate. Reported data excluded due to an increase from 40 percent to 80 percent with decrease to 60 percent. Increase in reported administrative coverage from 2022 is due in part to a change in target population estimates following a population enumeration exercise conducted by the national statistics office in 2021 and published in 2023. WHO and UNICEF encourage continued efforts to improve recording and monitoring, including a high quality survey, while the programme continues efforts to increase vaccination coverage. Estimate challenged by: D-R-
- 2022: Estimate informed by relative relationship between estimated coverage and reported doses administered for IPV1 applied to reported doses administered for IPVC. Reported data excluded. Country reports that due to instability in the country, there is a large population movement in and out of the country which affects the denominator. Country also notes issues related to the accuracy of the numerator such as high turn over of vaccination staff coupled with limited capacity in tallying, recording and reporting of immunization data. Reported data excluded due to decline in reported coverage from 83 percent to 40 percent with increase to 80 percent. Estimate challenged by: D-R-
- 2021: Estimate informed by relative relationship between estimated coverage and reported doses administered for IPV1 applied to reported doses administered for IPVC. Reported data excluded. Country reports that due to instability in the country, there is a large population movement in and out of the country which affects the denominator. Country reports ongoing uncertainty in the target population due to instability and substantial population movement in and out of the country. Reported increases in coverage from 2020 reflect a decline in the reported target population and an apparent increase in the number of children vaccinated which perhaps is an artefact of poor recording and reporting noted in prior years. Second dose of inactivated polio vaccine introduced in 2021. Estimate challenged by: R-

	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025
Estimate	-	-	-	-	-	-	-	8	34	34	34	34
Estimate GoC	-	-	-	-	-	-	-	•	•	•	•	•
Official	-	-	-	-	-	-	-	83	40	80	60	65
Administrative	-	-	-	-	-	-	-	10	40	77	66	64
Survey	-	-	-	-	-	-	-	-	-	-	-	-

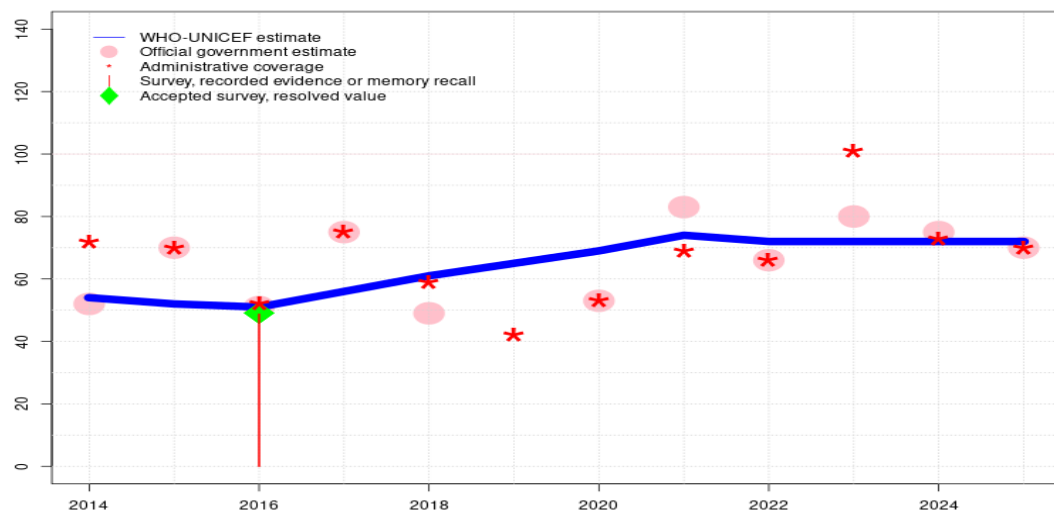
The WHO and UNICEF estimates of national immunization coverage (wuenic) are based on data and information that are of varying, and, in some instances, unknown quality. Beginning with the 2011 revision we describe the grade of confidence (GoC) we have in these estimates. As there is no underlying probability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

South Sudan - MCV1

SSD - MCV1



	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025
Estimate	54	52	51	56	61	65	69	74	72	72	72	72
Estimate GoC	•	•	•	•	•	•	•	•	•	•	•	•
Official	52	70	51	75	49	-	53	83	66	80	75	70
Administrative	72	70	52	75	59	42	53	69	66	101	73	70
Survey	-	-	49	-	-	-	-	-	-	-	-	-

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.

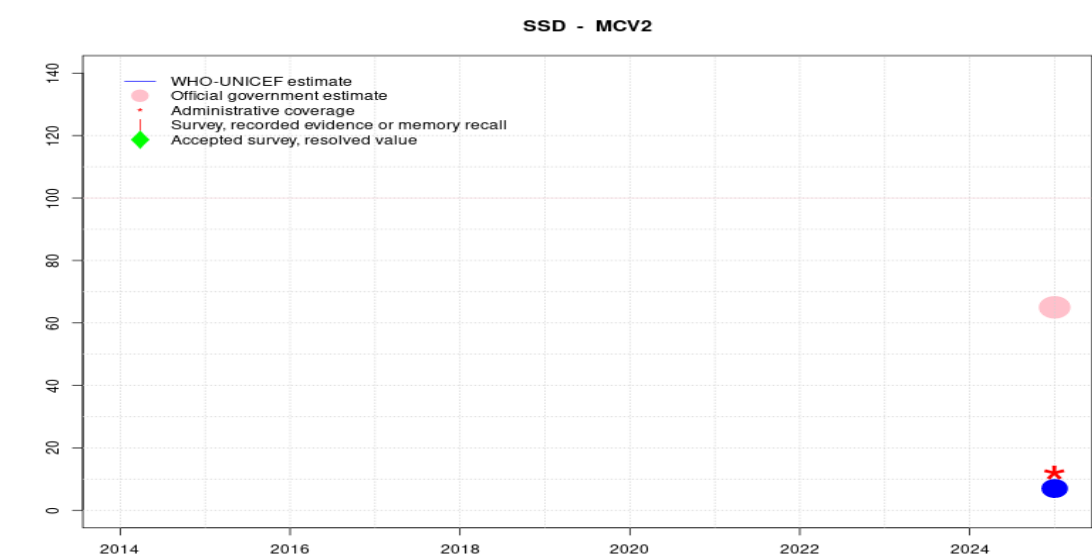
In all cases these estimates should be used with caution and should be assessed in light of the objective for which they are being used.

Description:

- 2025: Estimate based on previous year estimate. WHO and UNICEF are aware of the ongoing 2025 Multiple Indicator Cluster Survey (MICS) and await final results. Coverage from the MICS 2025 Key Findings Report suggest coverage of 44 percent for the cohort vaccinated in 2023. Estimate challenged by: D-R-
- 2024: Estimate based on previous year estimate. Reported data excluded. Official estimated coverage comes from the National Immunization Plan. Estimate challenged by: D-R-
- 2023: Estimate based on previous year estimate. Increase in reported administrative coverage from 2022 is due in part to a change in target population estimates following a population enumeration exercise conducted by the national statistics office in 2021 and published in 2023. WHO and UNICEF encourage continued efforts to improve recording and monitoring, including a high quality survey, while the programme continues efforts to increase vaccination coverage. Estimate challenged by: D-R-
- 2022: Estimate informed by relative change in reported doses administered from 2021 to 2022 applied to the prior year estimated coverage. Across the time-series, estimates may over-estimate coverage given concerns for quality of administrative recording and reporting system. Reported data excluded. Country reports that due to instability in the country, there is a large population movement in and out of the country which affects the denominator. Country also notes issues related to the accuracy of the numerator such as high turn over of vaccination staff coupled with limited capacity in tallying, recording and reporting of immunization data. Reported data excluded due to decline in reported coverage from 83 percent to 66 percent with increase to 80 percent. Estimate challenged by: D-R-
- 2021: Estimate informed by relative change in reported doses administered from 2020 to 2021 applied to the prior year estimated coverage. Reported data excluded. Country reports that due to instability in the country, there is a large population movement in and out of the country which affects the denominator. Reported data excluded due to an increase from 53 percent to 83 percent with decrease to 66 percent. Country reports ongoing uncertainty in the target population due to instability and substantial population movement in and out of the country. Reported increases in coverage from 2020 reflect a decline in the reported target population and an apparent increase in the number of children vaccinated which perhaps is an artefact of poor recording and reporting noted in prior years. Estimate challenged by: D-R-
- 2020: Estimate informed by relative change in reported doses administered from 2019 to 2020 applied to the prior year estimated coverage. Reported data excluded. Estimate challenged by: D-R-
- 2019: Estimate informed by relative change in reported doses administered from 2018 to 2019 applied to the prior year estimated coverage. Doses administered for 2019 based on interpolation between 2018 and 2020 reported values. Reported data excluded. Programme notes reported official coverage is based on results of the 2017 EPI coverage survey although values do not reflect survey results. Unexplained change in denominator from 2018 to 2019. Estimate challenged by: D-R-

- 2018: Estimate informed by interpolation between 2017 and 2019. Reported official coverage is based on results of the 2017 EPI coverage survey. Estimate challenged by: D-R-S-
- 2017: Estimate informed by relative change in reported doses administered from 2016 to 2017 applied to the prior year estimated coverage. Doses administered for 2017 based on interpolation between 2016 and 2018 reported values. Reported data excluded. Reporting represents 80 percent completeness and may includes campaign doses. Reported data excluded due to an increase from 51 percent to 75 percent with decrease to 49 percent. Estimate challenged by: D-R-
- 2016: Estimate informed by reported data supported by survey. Reported data excluded due to decline in reported coverage from 70 percent to 51 percent with increase to 75 percent. As of 2016, the Republic of South Sudan is challenged by ongoing civil conflict in several states. Population displacements both internally and across international borders continues to be problematic with more than an estimated one million South Sudanese projected to be refugees in neighbouring countries (UNHCR). Not surprisingly given the current situation, concerns continue with regards to quality of recording and monitoring, timeliness and completeness of data. Reported administrative coverage data reflect reporting from 80 percent of total expected district reports. GoC=Assigned by working group. GoC of one for consistency between vaccine doses and previous and later years.
- 2015: Estimate informed by interpolation between 2011 and 2016 levels. During the period 2011-2015, programme reports conducting multiple measles campaigns and mop-up activities. Based on a review of reported numerator data, it is unclear whether any of this activity may be reflected in the RI data. Official government reported data reflects coverage derived from the DHIS2 system. Estimate challenged by: D-R-
- 2014: Estimate informed by interpolation between 2011 and 2016 levels. During the period 2011-2015, programme reports conducting multiple measles campaigns and mop-up activities. Based on a review of reported numerator data, it is unclear whether any of this activity may be reflected in the RI data. No explanation provided for adjusted coverage level. Estimate challenged by: D-R-

South Sudan - MCV2



Description:

2025: Programme reports 12 percent coverage achieved in 56 percent of target population. Second dose of MCV introduced in 2025. WHO and UNICEF are aware of the ongoing 2025 Multiple Indicator Cluster Survey (MICS) and await final results. Estimate challenged by: R-

	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025
Estimate	-	-	-	-	-	-	-	-	-	-	-	7
Estimate GoC	-	-	-	-	-	-	-	-	-	-	-	●
Official	-	-	-	-	-	-	-	-	-	-	-	65
Administrative	-	-	-	-	-	-	-	-	-	-	-	12
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.

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.

2016 South Sudan EPI Coverage Survey 2017

Vaccine	Confirmation method	Coverage	Age cohort	Sample	Evidence seen
BCG	Record or Recall	52.2	12-23 m	3194	24
DTP1	Record or Recall	51.1	12-23 m	3194	24
DTP3	Record or Recall	49.3	12-23 m	3194	24
HEPB1	Record or Recall	51.1	12-23 m	3194	24
HEPB3	Record or Recall	49.3	12-23 m	3194	24
HIB1	Record or Recall	51.1	12-23 m	3194	24
HIB3	Record or Recall	49.3	12-23 m	3194	24
IPV1	Record or Recall	38.7	12-23 m	3194	24
MCV1	Record or Recall	48.7	12-23 m	3194	24

2011 Republic of South Sudan EPI Coverage Survey 2011-2012

Vaccine	Confirmation method	Coverage	Age cohort	Sample	Evidence seen
BCG	Record	29.9	12-23 m	-	51
BCG	Record or Recall	75.4	12-23 m	2246	51
BCG	Record or Recall<12m	71	12-23 m	2246	51
DTP1	Record	31.4	12-23 m	-	51
DTP1	Record or Recall	79.1	12-23 m	2246	51

DTP1	Record or Recall<12m	73	12-23 m	2246	51
DTP3	Record	24.3	12-23 m	-	51
DTP3	Record or Recall	55.4	12-23 m	2246	51
DTP3	Record or Recall<12m	45.7	12-23 m	2246	51
MCV1	Record	22.9	12-23 m	-	51
MCV1	Record or Recall	62.4	12-23 m	2246	51
MCV1	Record or Recall<12m	45.8	12-23 m	2246	51

2009 South Sudan Household Health Survey 2010 (SHHS 2)

Vaccine	Confirmation method	Coverage	Age cohort	Sample	Evidence seen
BCG	Recall	25.7	12-23 m	-	10
BCG	Record	8.7	12-23 m	-	10
BCG	Record or Recall	34.4	12-23 m	1704	10
BCG	Record or Recall<12m	31.4	12-23 m	1704	10
DTP1	Recall	20.9	12-23 m	-	10
DTP1	Record	7.2	12-23 m	-	10
DTP1	Record or Recall	28.1	12-23 m	1704	10
DTP1	Record or Recall<12m	24.9	12-23 m	1704	10
DTP3	Recall	9.7	12-23 m	-	10
DTP3	Record	5.4	12-23 m	-	10
DTP3	Record or Recall	15.1	12-23 m	1704	10
DTP3	Record or Recall<12m	13.1	12-23 m	1704	10
MCV1	Recall	20.5	12-23 m	-	10
MCV1	Record	5.8	12-23 m	-	10
MCV1	Record or Recall	26.3	12-23 m	1704	10
MCV1	Record or Recall<12m	20.4	12-23 m	1704	10

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Vaccine	Confirmation method	Coverage	Age cohort	Sample	Evidence seen
BCG	Record or Recall	34.4	12-23 m	1704	10
DTP1	Record or Recall	28.1	12-23 m	1704	10
DTP3	Record or Recall	15.1	12-23 m	1704	10
MCV1	Record or Recall	26.3	12-23 m	1704	10

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