

# Micronesia (Federated States of ): 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 Guérin 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.

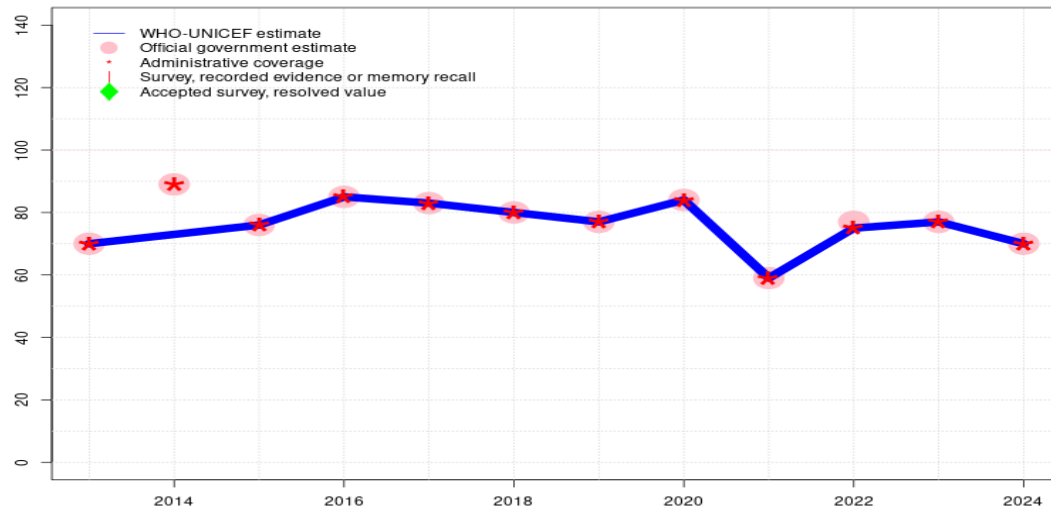
**YFV:** percentage of surviving infants who received one dose of yellow fever vaccine in countries where YFV is part of the national immunization schedule for children or is recommended in at risk areas; coverage estimates are annualized for the entire cohort of surviving infants.

**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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# Micronesia (Federated States of) - BCG

FSM - BCG



	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024
Estimate	70	73	76	85	83	80	77	84	59	75	77	70
Estimate GoC	••	••	••	•	•	•	•	•	•	•	•	•
Official	70	89	76	85	83	80	77	84	59	77	77	70
Administrative	70	89	76	85	83	80	77	84	59	75	77	70
Survey	-	-	-	-	-	-	-	-	-	-	-	-

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

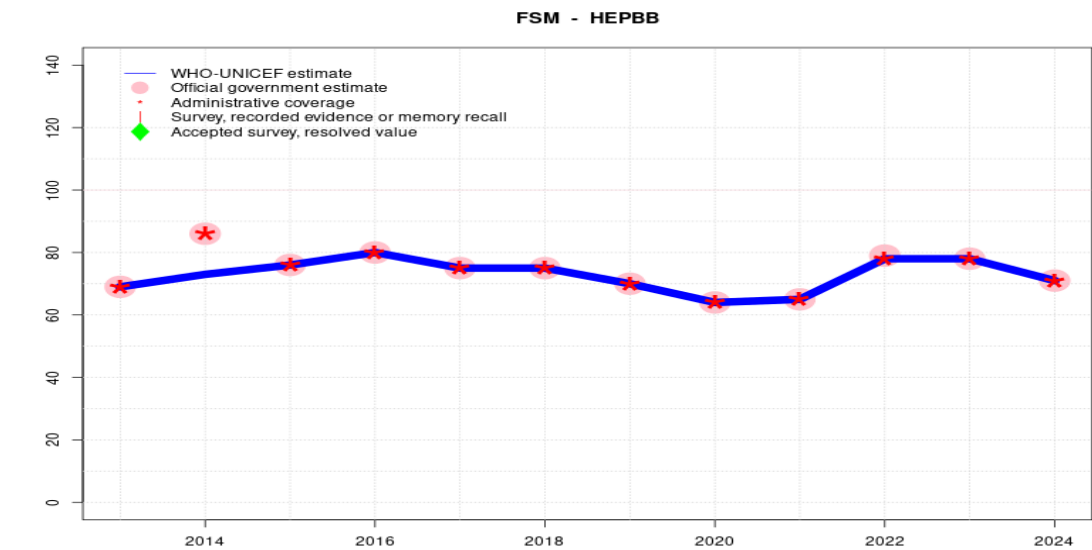
- Estimate is supported by reported data [R+], coverage recalculated with an independent denominator from the World Population Prospects: 2024 revision from the UN Population Division (D+), and at least one supporting survey within 2 years [S+]. While well supported, the estimate still carries a risk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

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

## Description:

- 2024: Estimate informed by reported data. WHO and UNICEF are aware of the 2025 Multiple Indicator Cluster Survey and await final results. Estimate challenged by: D-
- 2023: Estimate informed by reported data. Estimate challenged by: D-
- 2022: Estimate informed by reported administrative data. Although a 2018 Kosrae and Pohnpei Childhood Vaccination Coverage Survey has been noted in the past, no report has been made available. Consistency with other vaccine doses. Country indicates that difference in reported official and administrative coverage data derives from differences in target population. Official coverage is based on the number of children who are registered in FSM WebIZ, that is who attended at least one vaccination session. In previous years admin and official coverage levels were the same. Programme notes challenges with oversight of data and highlights challenges with data quality. Estimate challenged by: D-
- 2021: Estimate informed by reported data. Reported data accepted for consistency across antigens with no explanation for the decline in reported coverage. Estimate challenged by: D-
- 2020: Estimate informed by reported data. Estimate challenged by: D-
- 2019: Estimate informed by reported data. Estimate challenged by: D-
- 2018: Estimate informed by reported data. Estimate challenged by: D-
- 2017: Estimate informed by reported data. Estimate challenged by: D-
- 2016: Estimate informed by reported data. Estimate challenged by: D-
- 2015: Estimate informed by reported data. GoC=R+ D+
- 2014: Estimate informed by interpolation between reported data. Reported data excluded. Programme reports underreporting of birth-related data from health facilities. Administrative coverage reflects coverage among a subset of births during 2013. Reported data excluded due to an increase from 70 percent to 89 percent with decrease to 76 percent. GoC=R+ D+
- 2013: Estimate informed by reported data. GoC=R+ D+

# Micronesia (Federated States of ) - HEPBB



	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024
Estimate	69	73	76	80	75	75	70	64	65	78	78	71
Estimate GoC	••	••	••	•	•	•	•	•	•	•	•	•
Official	69	86	76	80	75	75	70	64	65	79	78	71
Administrative	69	86	76	80	75	75	70	64	65	78	78	71
Survey	-	-	-	-	-	-	-	-	-	-	-	-

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

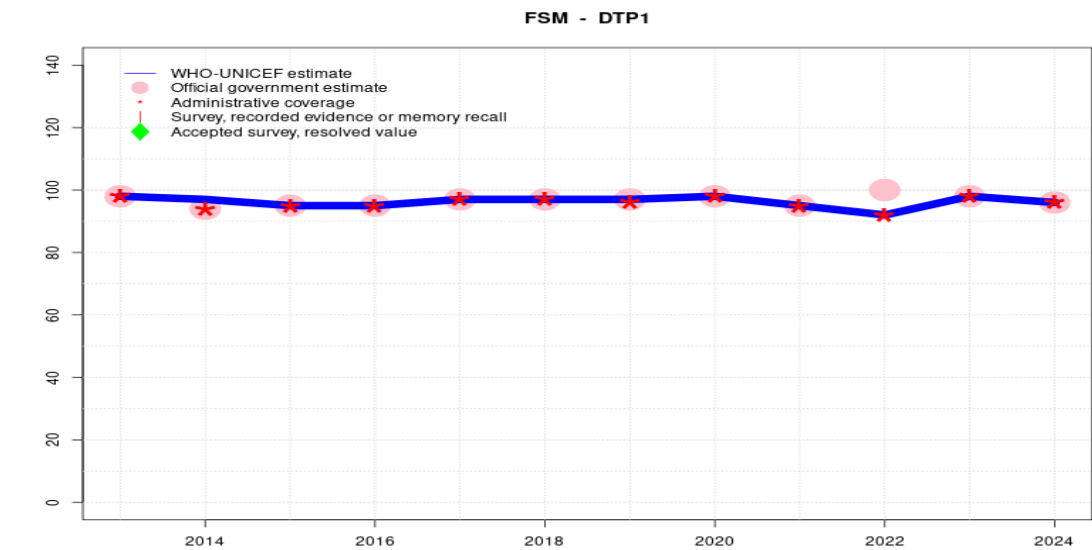
- Estimate is supported by reported data [R+], coverage recalculated with an independent denominator from the World Population Prospects: 2024 revision from the UN Population Division (D+), and at least one supporting survey within 2 years [S+]. While well supported, the estimate still carries a risk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

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

## Description:

- 2024: Estimate informed by reported data. WHO and UNICEF are aware of the 2025 Multiple Indicator Cluster Survey and await final results. Estimate challenged by: D-
- 2023: Estimate informed by reported data. Estimate challenged by: D-
- 2022: Estimate informed by reported administrative data. Although a 2018 Kosrae and Pohnpei Childhood Vaccination Coverage Survey has been noted in the past, no report has been made available. Consistency with other vaccine doses. Country indicates that difference in reported official and administrative coverage data derives from differences in target population. Official coverage is based on the number of children who are registered in FSM WebIZ, that is who attended at least one vaccination session. In previous years admin and official coverage levels were the same. Programme notes challenges with oversight of data and highlights challenges with data quality. Estimate challenged by: D-
- 2021: Estimate informed by reported data. Estimate challenged by: D-
- 2020: Estimate informed by reported data. Programme reports vaccine supply disruption at national and subnational levels of HepB monovalent vaccine. Estimate challenged by: D-
- 2019: Estimate informed by reported data. Programme reports vaccine supply disruption at national and subnational levels of HepB monovalent vaccine. Estimate challenged by: D-
- 2018: Estimate informed by reported data. Estimate challenged by: D-
- 2017: Estimate informed by reported data. Estimate challenged by: D-
- 2016: Estimate informed by reported data. Estimate challenged by: D-
- 2015: Estimate informed by reported data. Estimate of 76 percent changed from previous revision value of 75 percent. GoC=R+ D+
- 2014: Estimate informed by interpolation between reported data. Reported data excluded. Programme reports underreporting of birth-related data from health facilities. Administrative coverage reflects coverage among a subset of births during 2013. Estimate of 73 percent changed from previous revision value of 72 percent. GoC=R+ D+
- 2013: Estimate informed by reported data. Estimate informed by official government estimate. GoC=R+ D+

# Micronesia (Federated States of ) - DTP1



	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024
Estimate	98	97	95	95	97	97	97	98	95	92	98	96
Estimate GoC	●●	●	●	●	●	●	●	●	●	●	●●	●●
Official	98	94	95	95	97	97	97	98	95	100	98	96
Administrative	98	94	95	95	97	97	96	98	95	92	98	96
Survey	-	-	-	-	-	-	-	-	-	-	-	-

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

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

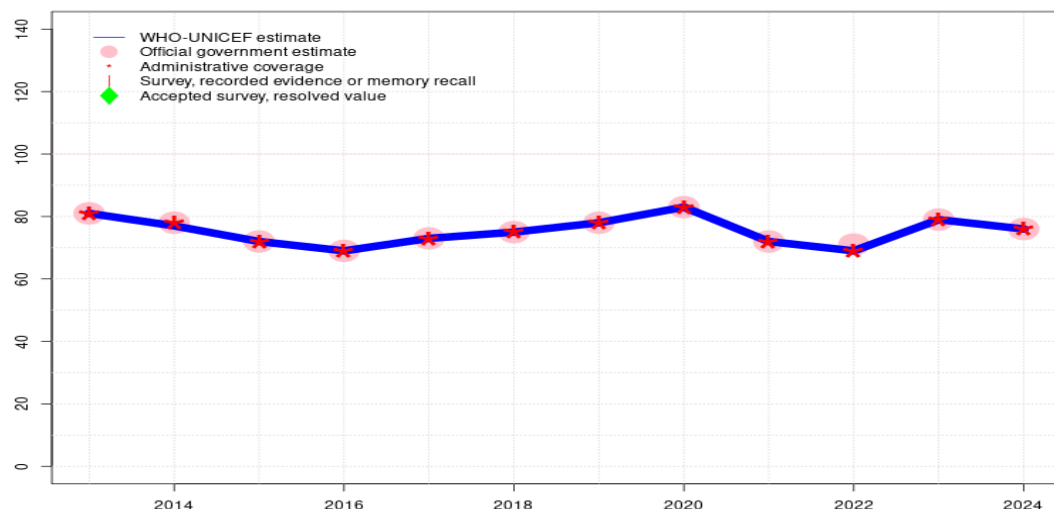
In all cases these estimates should be used with caution and should be assessed in light of the objective for which they are being used.

## Description:

- 2024: Estimate informed by reported data. WHO and UNICEF are aware of the 2025 Multiple Indicator Cluster Survey and await final results. GoC=R+ D+
- 2023: Estimate informed by reported data. Reported target population changed from 12-23 months in 2022 to 19-35 months in 2023. GoC=R+ D+
- 2022: Estimate informed by reported administrative data. Although a 2018 Kosrae and Pohnpei Childhood Vaccination Coverage Survey has been noted in the past, no report has been made available. Country indicates that difference in reported official and administrative coverage data derives from differences in target population. Official coverage is based on the number of children who are registered in FSM WebIZ, that is who attended at least one vaccination session. In previous years admin and official coverage levels were the same. Programme notes challenges with oversight of data and highlights challenges with data quality. Estimate challenged by: D-
- 2021: Estimate informed by reported data. Estimate challenged by: D-
- 2020: Estimate informed by reported data. Estimate challenged by: D-
- 2019: Estimate informed by reported data. Estimate challenged by: D-
- 2018: Estimate informed by reported data. Estimate challenged by: D-
- 2017: Estimate informed by reported data. Estimate challenged by: D-
- 2016: Estimate informed by reported data. Estimate challenged by: D-
- 2015: Estimate informed by reported data. Estimate challenged by: D-
- 2014: Estimate informed by interpolation between reported data. Reported data excluded. Reported number of children vaccinated and target population data inconsistent with prior years. Reported data are a magnitude of 3x greater in 2014 than 2013. Estimate challenged by: D-
- 2013: Estimate informed by reported data. GoC=R+ D+

# Micronesia (Federated States of) - DTP3

FSM - DTP3



	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024
Estimate	81	77	72	69	73	75	78	83	72	69	79	76
Estimate GoC	••	•	••	•	•	•	•	•	•	•	••	••
Official	81	78	72	69	73	75	78	83	72	71	79	76
Administrative	81	78	72	69	73	75	78	83	72	69	79	76
Survey	-	-	-	-	-	-	-	-	-	-	-	-

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

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

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

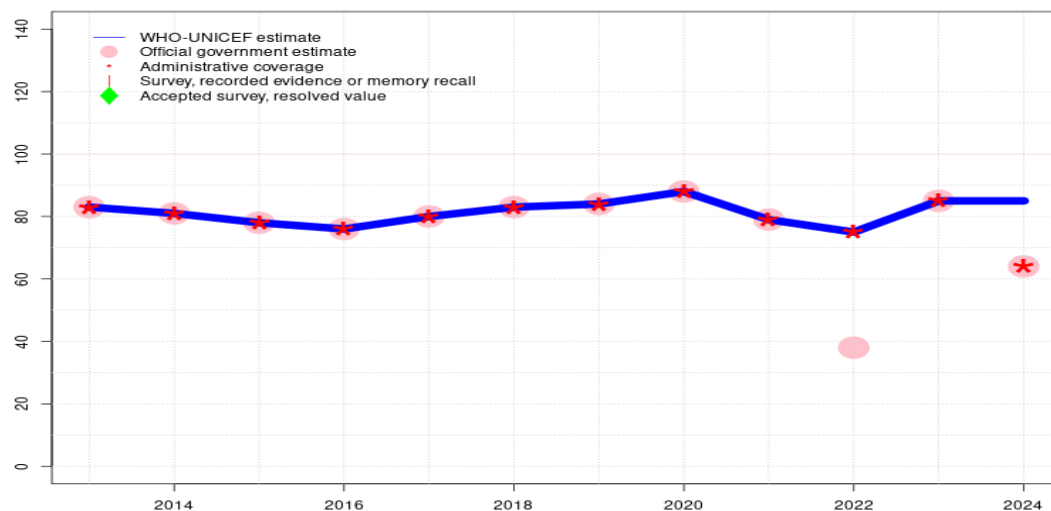
## Description:

- 2024: Estimate informed by reported data. WHO and UNICEF are aware of the 2025 Multiple Indicator Cluster Survey and await final results. GoC=R+ D+
- 2023: Estimate informed by reported data. Reported target population changed from 12-23 months in 2022 to 19-35 months in 2023. GoC=R+ D+
- 2022: Estimate informed by reported administrative data. Although a 2018 Kosrae and Pohnpei Childhood Vaccination Coverage Survey has been noted in the past, no report has been made available. Country indicates that difference in reported official and administrative coverage data derives from differences in target population. Official coverage is based on the number of children who are registered in FSM WebIZ, that is who attended at least one vaccination session. In previous years admin and official coverage levels were the same. Programme notes challenges with oversight of data and highlights challenges with data quality. Estimate challenged by: D-
- 2021: Estimate informed by reported data. Reported data accepted for consistency across antigens with no explanation for the decline in reported coverage. Estimate challenged by: D-
- 2020: Estimate informed by reported data. Estimate challenged by: D-
- 2019: Estimate informed by reported data. Estimate challenged by: D-
- 2018: Estimate informed by reported data. Estimate challenged by: D-
- 2017: Estimate informed by reported data. Estimate challenged by: D-
- 2016: Estimate informed by reported data. Estimate challenged by: D-
- 2015: Estimate informed by reported data. GoC=R+ D+
- 2014: Estimate informed by interpolation between reported data. Reported data excluded. Reported number of children vaccinated and target population data inconsistent with prior years. Reported data are a magnitude of 3x greater in 2014 than 2013. Estimate challenged by: D-
- 2013: Estimate informed by reported data. GoC=R+ D+



# Micronesia (Federated States of) - HEPB3

FSM - HEPB3



	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024
Estimate	83	81	78	76	80	83	84	88	79	75	85	85
Estimate GoC	●●	●	●●	●	●	●	●	●	●	●	●●	●
Official	83	81	78	76	80	83	84	88	79	38	85	64
Administrative	83	81	78	76	80	83	84	88	79	75	85	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.

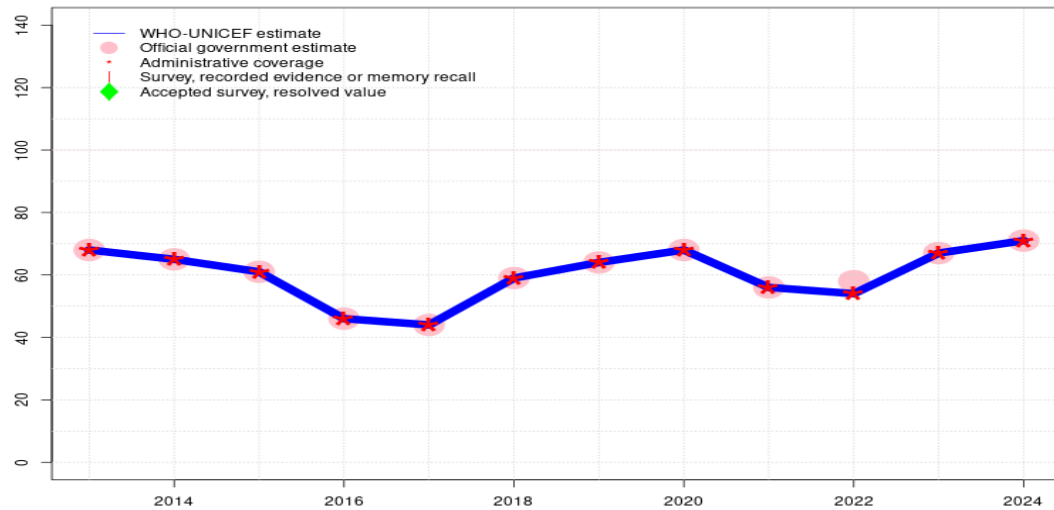
In all cases these estimates should be used with caution and should be assessed in light of the objective for which they are being used.

## Description:

- 2024: Estimate based on extrapolation from data reported by national government. Reported data excluded due to sudden change in coverage from 85 to 64 percent. WHO and UNICEF are aware of the 2025 Multiple Indicator Cluster Survey and await final results. Estimate challenged by: D-
- 2023: Estimate informed by reported data. Reported target population changed from 12-23 months in 2022 to 19-35 months in 2023. GoC=R+ D+
- 2022: Estimate informed by reported administrative data. Although a 2018 Kosrae and Pohnpei Childhood Vaccination Coverage Survey has been noted in the past, no report has been made available. Country indicates that difference in reported official and administrative coverage data derives from differences in target population. Official coverage is based on the number of children who are registered in FSM WebIZ, that is who attended at least one vaccination session. In previous years admin and official coverage levels were the same. Programme notes challenges with oversight of data and highlights challenges with data quality. Estimate challenged by: D-
- 2021: Estimate informed by reported data. Estimate challenged by: D-
- 2020: Estimate informed by reported data. Estimate challenged by: D-
- 2019: Estimate informed by reported data. Estimate challenged by: D-
- 2018: Estimate informed by reported data. Estimate challenged by: D-
- 2017: Estimate informed by reported data. Estimate challenged by: D-
- 2016: Estimate informed by reported data. Estimate challenged by: D-
- 2015: Estimate informed by reported data. GoC=R+ D+
- 2014: Estimate informed by interpolation between reported data. Reported data excluded. Reported number of children vaccinated and target population data inconsistent with prior years. Reported data are a magnitude of 3x greater in 2014 than 2013. Estimate challenged by: D-
- 2013: Estimate informed by reported data. GoC=R+ D+

# Micronesia (Federated States of) - HIB3

FSM - HIB3



	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024
Estimate	68	65	61	46	44	59	64	68	56	54	67	71
Estimate GoC	••	•	••	•	•	•	•	•	•	•	••	••
Official	68	65	61	46	44	59	64	68	56	58	67	71
Administrative	68	65	61	46	44	59	64	68	56	54	67	71
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.

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- 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.

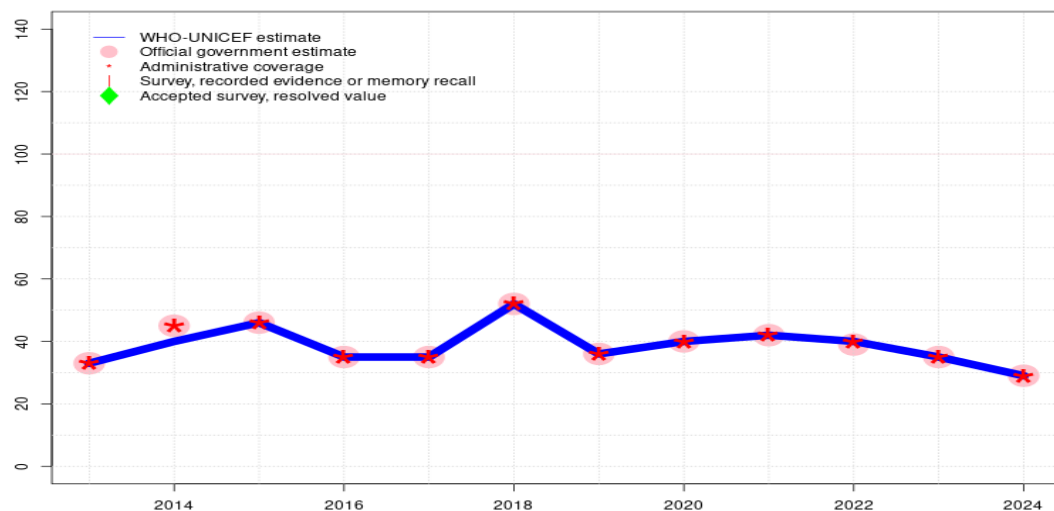
## Description:

- 2024: Estimate informed by reported data. WHO and UNICEF are aware of the 2025 Multiple Indicator Cluster Survey and await final results. GoC=R+ D+
- 2023: Estimate informed by reported data. Reported target population changed from 12-23 months in 2022 to 19-35 months in 2023. Reported data accepted for consistency across antigens. GoC=R+ D+
- 2022: Estimate informed by reported administrative data. Although a 2018 Kosrae and Pohnpei Childhood Vaccination Coverage Survey has been noted in the past, no report has been made available. Country indicates that difference in reported official and administrative coverage data derives from differences in target population. Official coverage is based on the number of children who are registered in FSM WebIZ, that is who attended at least one vaccination session. In previous years admin and official coverage levels were the same. Programme notes challenges with oversight of data and highlights challenges with data quality. Estimate challenged by: D-
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- 2017: Estimate informed by reported data. Estimate challenged by: D-
- 2016: Estimate informed by reported data. Estimate challenged by: D-
- 2015: Estimate informed by reported data. GoC=R+ D+
- 2014: Estimate informed by interpolation between reported data. Reported data excluded. Reported number of children vaccinated and target population data inconsistent with prior years. Reported data are a magnitude of 3x greater in 2014 than 2013. Estimate challenged by: D-
- 2013: Estimate informed by reported data. GoC=R+ D+



# Micronesia (Federated States of) - ROTAC

FSM - ROTAC



	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024
Estimate	33	40	46	35	35	52	36	40	42	40	35	29
Estimate GoC	●●	●	●●	●	●	●	●	●	●	●	●●	●●
Official	33	45	46	35	35	52	36	40	42	39	35	29
Administrative	33	45	46	35	35	52	36	40	42	40	35	29
Survey	-	-	-	-	-	-	-	-	-	-	-	-

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

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

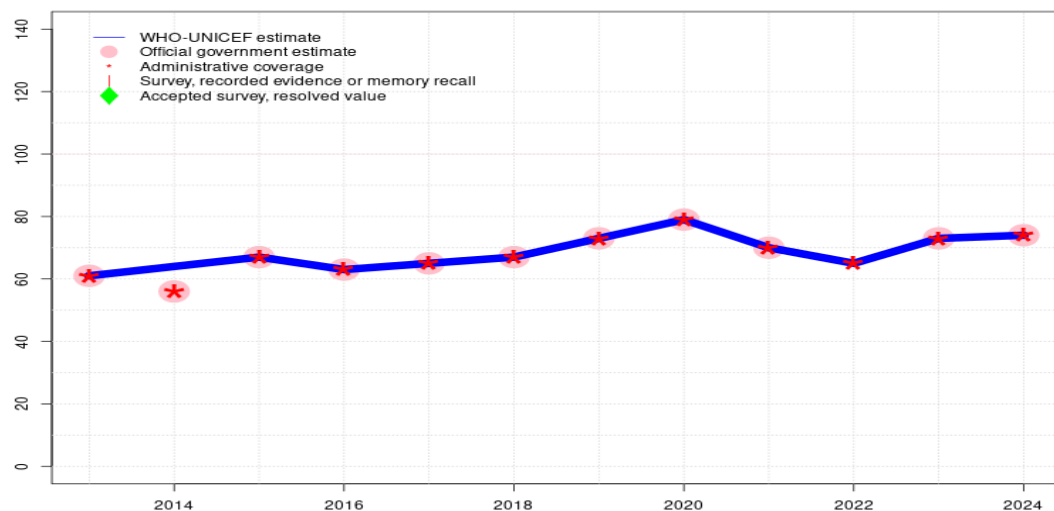
In all cases these estimates should be used with caution and should be assessed in light of the objective for which they are being used.

## Description:

- 2024: Estimate informed by reported data. WHO and UNICEF are aware of the 2025 Multiple Indicator Cluster Survey and await final results. GoC=R+ D+
- 2023: Estimate informed by reported data. Reported target population changed from 12-23 months in 2022 to 19-35 months in 2023. GoC=R+ D+
- 2022: Estimate informed by reported administrative data. Although a 2018 Kosrae and Pohnpei Childhood Vaccination Coverage Survey has been noted in the past, no report has been made available. Country indicates that difference in reported official and administrative coverage data derives from differences in target population. Official coverage is based on the number of children who are registered in FSM WebIZ, that is who attended at least one vaccination session. In previous years admin and official coverage levels were the same. Programme notes challenges with oversight of data and highlights challenges with data quality. Estimate challenged by: D-
- 2021: Estimate informed by reported data. Estimate challenged by: D-
- 2020: Estimate informed by reported data. Estimate challenged by: D-
- 2019: Estimate informed by reported data. Estimate challenged by: D-
- 2018: Estimate informed by reported data. Estimate challenged by: D-
- 2017: Estimate informed by reported data. Estimate challenged by: D-
- 2016: Estimate informed by reported data. Estimate challenged by: D-
- 2015: Estimate informed by reported data. GoC=R+ D+
- 2014: Estimate informed by interpolation between reported data. Reported data excluded. Reported number of children vaccinated and target population data inconsistent with prior years. Reported data are a magnitude of 3x greater in 2014 than 2013. Estimate challenged by: D-
- 2013: Estimate informed by reported data. Estimate informed by official government estimate. GoC=R+ D+

# Micronesia (Federated States of) - PCV3

FSM - PCV3



	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024
Estimate	61	64	67	63	65	67	73	79	70	65	73	74
Estimate GoC	••	•	••	•	•	•	•	•	•	•	••	••
Official	61	56	67	63	65	67	73	79	70	-	73	74
Administrative	61	56	67	63	65	67	73	79	70	65	73	74
Survey	-	-	-	-	-	-	-	-	-	-	-	-

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

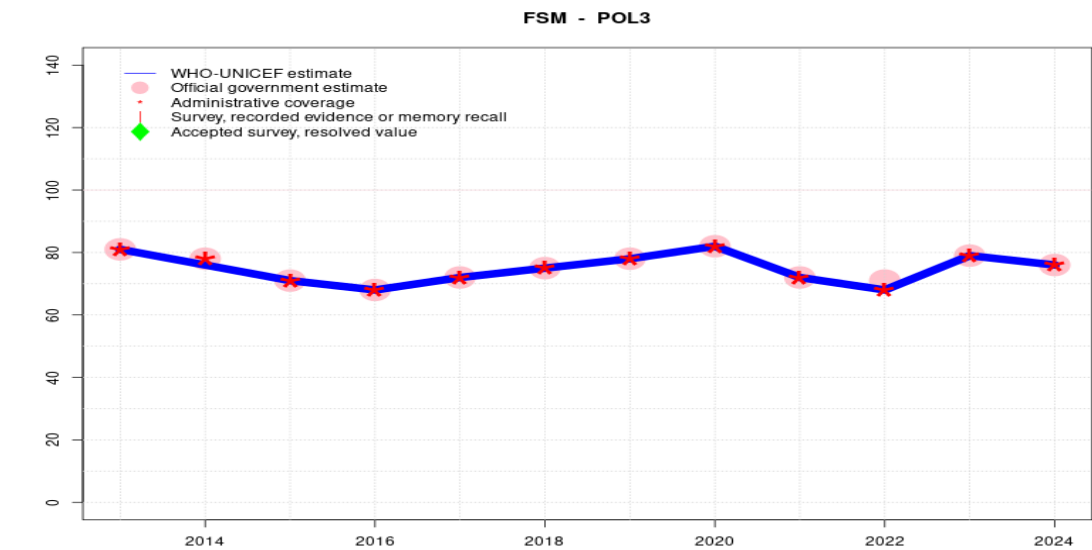
- Estimate is supported by reported data [R+], coverage recalculated with an independent denominator from the World Population Prospects: 2024 revision from the UN Population Division (D+), and at least one supporting survey within 2 years [S+]. While well supported, the estimate still carries a risk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

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. WHO and UNICEF are aware of the 2025 Multiple Indicator Cluster Survey and await final results. GoC=R+ D+
- 2023: Estimate informed by reported data. Reported target population changed from 12-23 months in 2022 to 19-35 months in 2023. GoC=R+ D+
- 2022: Estimate informed by reported administrative data. Although a 2018 Kosrae and Pohnpei Childhood Vaccination Coverage Survey has been noted in the past, no report has been made available. Country indicates that difference in reported official and administrative coverage data derives from differences in target population. Official coverage is based on the number of children who are registered in FSM WebIZ, that is who attended at least one vaccination session. In previous years admin and official coverage levels were the same. Programme notes challenges with oversight of data and highlights challenges with data quality. Estimate challenged by: D-
- 2021: Estimate informed by reported data. Estimate challenged by: D-
- 2020: Estimate informed by reported data. Estimate challenged by: D-
- 2019: Estimate informed by reported data. Estimate challenged by: D-
- 2018: Estimate informed by reported data. Estimate challenged by: D-
- 2017: Estimate informed by reported data. Estimate challenged by: D-
- 2016: Estimate informed by reported data. Estimate challenged by: D-
- 2015: Estimate informed by reported data. GoC=R+ D+
- 2014: Estimate informed by interpolation between reported data. Reported data excluded. Reported number of children vaccinated and target population data inconsistent with prior years. Reported data are a magnitude of 3x greater in 2014 than 2013. Estimate challenged by: D-
- 2013: Estimate informed by reported data. GoC=R+ D+

Micronesia (Federated States of ) - POL3



	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024
Estimate	81	76	71	68	72	75	78	82	72	68	79	76
Estimate GoC	●●	●	●●	●	●	●	●	●	●	●	●●	●●
Official	81	78	71	68	72	75	78	82	72	71	79	76
Administrative	81	78	71	68	72	75	78	82	72	68	79	76
Survey	-	-	-	-	-	-	-	-	-	-	-	-

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

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

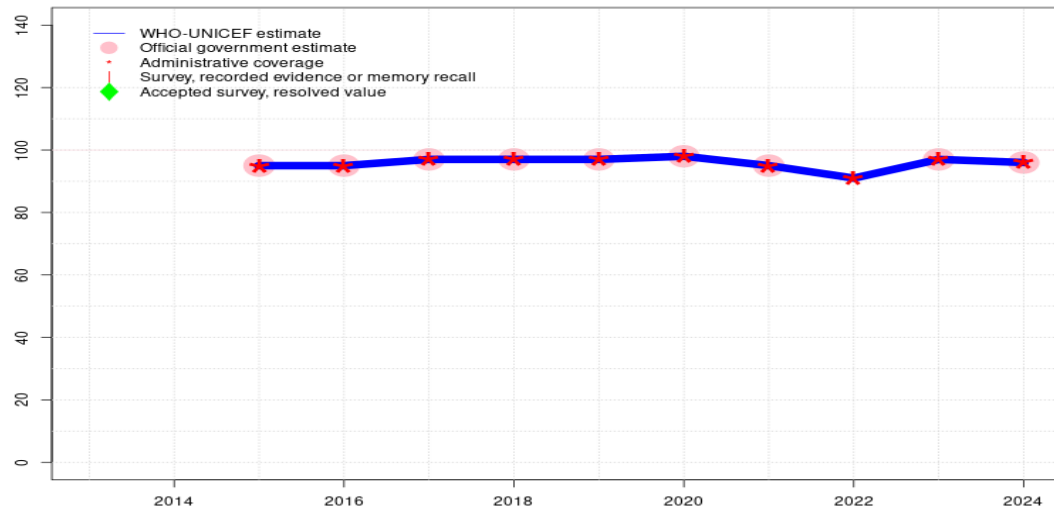
In all cases these estimates should be used with caution and should be assessed in light of the objective for which they are being used.

Description:

- 2024: Estimate informed by reported data. WHO and UNICEF are aware of the 2025 Multiple Indicator Cluster Survey and await final results. GoC=R+ D+
- 2023: Estimate informed by reported data. Reported target population changed from 12-23 months in 2022 to 19-35 months in 2023. Reported data accepted for consistency across antigens. GoC=R+ D+
- 2022: Estimate informed by reported administrative data. Although a 2018 Kosrae and Pohnpei Childhood Vaccination Coverage Survey has been noted in the past, no report has been made available. Country indicates that difference in reported official and administrative coverage data derives from differences in target population. Official coverage is based on the number of children who are registered in FSM WebIZ, that is who attended at least one vaccination session. In previous years admin and official coverage levels were the same. Programme notes challenges with oversight of data and highlights challenges with data quality. Estimate challenged by: D-
- 2021: Estimate informed by reported data. Estimate challenged by: D-
- 2020: Estimate informed by reported data. Estimate challenged by: D-
- 2019: Estimate informed by reported data. Estimate challenged by: D-
- 2018: Estimate informed by reported data. Estimate challenged by: D-
- 2017: Estimate informed by reported data. Estimate challenged by: D-
- 2016: Estimate informed by reported data. Estimate challenged by: D-
- 2015: Estimate informed by reported data. GoC=R+ D+
- 2014: Estimate informed by interpolation between reported data. Reported data excluded. Reported number of children vaccinated and target population data inconsistent with prior years. Reported data are a magnitude of 3x greater in 2014 than 2013. Estimate challenged by: D-
- 2013: Estimate informed by reported data. GoC=R+ D+

# Micronesia (Federated States of) - IPV1

FSM - IPV1



## Description:

- 2024: Estimate informed by reported data. WHO and UNICEF are aware of the 2025 Multiple Indicator Cluster Survey and await final results. GoC=R+ D+
- 2023: Estimate informed by reported data. Reported target population changed from 12-23 months in 2022 to 19-35 months in 2023. GoC=R+ D+
- 2022: Estimate informed by reported administrative data. Although a 2018 Kosrae and Pohnpei Childhood Vaccination Coverage Survey has been noted in the past, no report has been made available. Country indicates that difference in reported official and administrative coverage data derives from differences in target population. Official coverage is based on the number of children who are registered in FSM WebIZ, that is who attended at least one vaccination session. In previous years admin and official coverage levels were the same. Programme notes challenges with oversight of data and highlights challenges with data quality. Estimate challenged by: D-
- 2021: Estimate informed by reported data. Estimate challenged by: D-
- 2020: Estimate informed by reported data. Estimate challenged by: D-
- 2019: Estimate informed by reported data. Estimate challenged by: D-
- 2018: Estimate informed by reported data. Estimate challenged by: D-
- 2017: Estimate informed by reported data. Estimate challenged by: D-
- 2016: Estimate informed by reported data. Estimate challenged by: D-
- 2015: Estimate informed by reported data. Estimate challenged by: D-

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

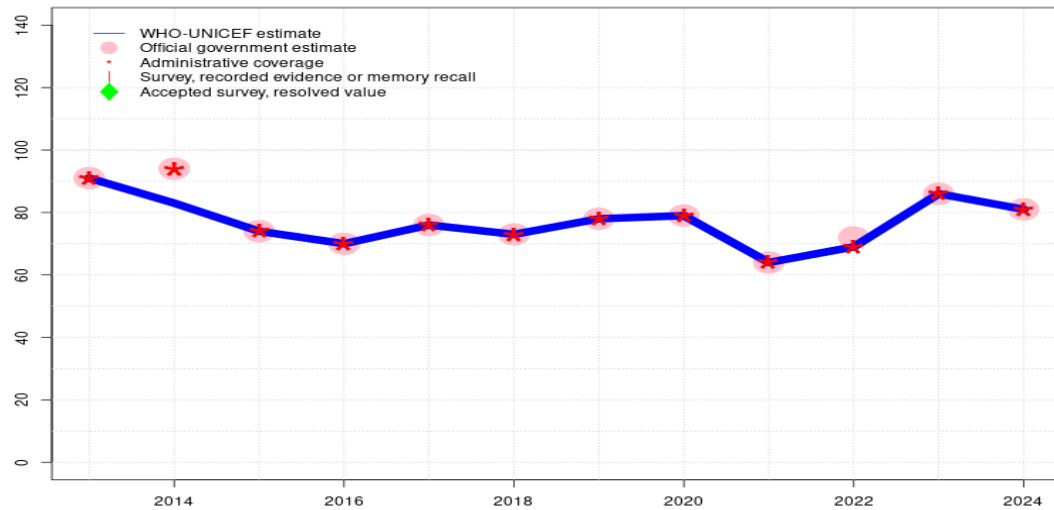
The WHO and UNICEF estimates of national immunization coverage (wuenic) are based on data and information that are of varying, and, in some instances, unknown quality. Beginning with the 2011 revision we describe the grade of confidence (GoC) we have in these estimates. As there is no underlying probability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

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

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

# Micronesia (Federated States of) - MCV1

FSM - MCV1



	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024
Estimate	91	83	74	70	76	73	78	79	64	69	86	81
Estimate GoC	●●	●	●●	●	●	●	●	●	●	●	●●	●●
Official	91	94	74	70	76	73	78	79	64	72	86	81
Administrative	91	94	74	70	76	73	78	79	64	69	86	81
Survey	-	-	-	-	-	-	-	-	-	-	-	-

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

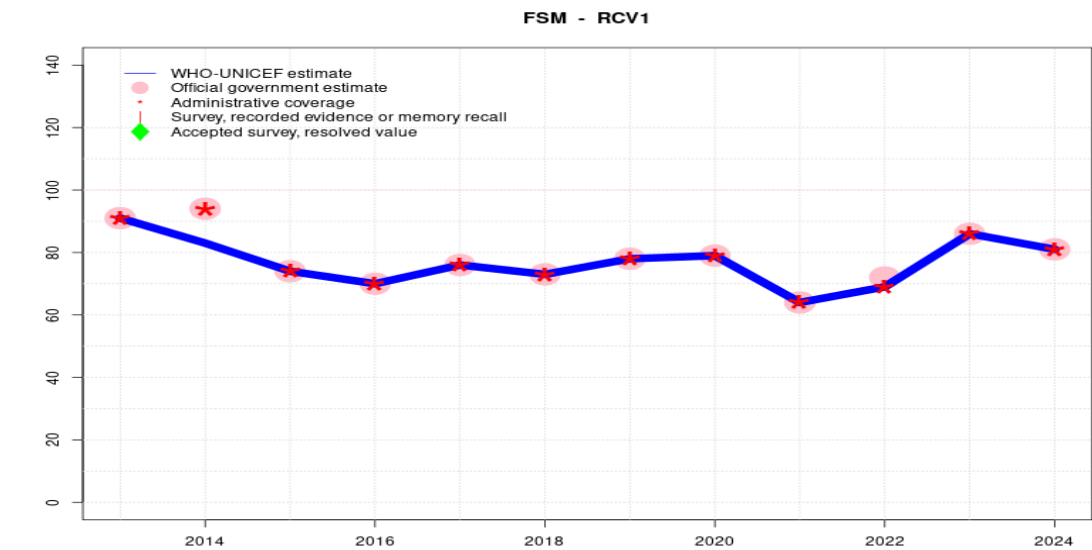
- Estimate is supported by reported data [R+], coverage recalculated with an independent denominator from the World Population Prospects: 2024 revision from the UN Population Division (D+), and at least one supporting survey within 2 years [S+]. While well supported, the estimate still carries a risk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

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

## Description:

- 2024: Estimate informed by reported data. WHO and UNICEF are aware of the 2025 Multiple Indicator Cluster Survey and await final results. GoC=R+ D+
- 2023: Estimate informed by reported data. Reported target population changed from 12-23 months in 2022 to 19-35 months in 2023. Reported data accepted for consistency across antigens. GoC=R+ D+
- 2022: Estimate informed by reported administrative data. Although a 2018 Kosrae and Pohnpei Childhood Vaccination Coverage Survey has been noted in the past, no report has been made available. Country indicates that difference in reported official and administrative coverage data derives from differences in target population. Official coverage is based on the number of children who are registered in FSM WebIZ, that is who attended at least one vaccination session. In previous years admin and official coverage levels were the same. Programme notes challenges with oversight of data and highlights challenges with data quality. Estimate challenged by: D-
- 2021: Estimate informed by reported data. Reported data accepted for consistency across antigens with no explanation for the decline in reported coverage. Estimate challenged by: D-
- 2020: Estimate informed by reported data. Estimate challenged by: D-
- 2019: Estimate informed by reported data. Estimate challenged by: D-
- 2018: Estimate informed by reported data. Estimate challenged by: D-
- 2017: Estimate informed by reported data. Estimate challenged by: D-
- 2016: Estimate informed by reported data. Estimate challenged by: D-
- 2015: Estimate informed by reported data. GoC=R+ D+
- 2014: Estimate informed by interpolation between reported data. Reported data excluded. Reported number of children vaccinated and target population data inconsistent with prior years. Reported data are a magnitude of 3x greater in 2014 than 2013. Estimate challenged by: D-
- 2013: Estimate informed by reported data. GoC=R+ D+

# Micronesia (Federated States of ) - RCV1



	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024
Estimate	91	83	74	70	76	73	78	79	64	69	86	81
Estimate GoC	●●	●	●●	●	●	●	●	●	●	●	●●	●●
Official	91	94	74	70	76	73	78	79	64	72	86	81
Administrative	91	94	74	70	76	73	78	79	64	69	86	81
Survey	-	-	-	-	-	-	-	-	-	-	-	-

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

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

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

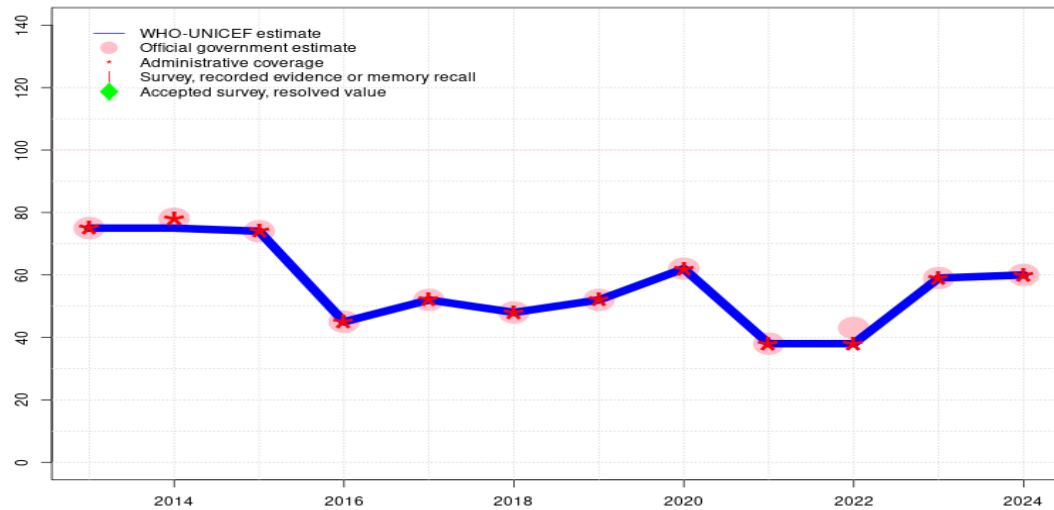
## Description:

- 2024: Estimate based on estimated MCV1. WHO and UNICEF are aware of the 2025 Multiple Indicator Cluster Survey and await final results. GoC=R+ D+
- 2023: Estimate based on estimated MCV1. Reported target population changed from 12-23 months in 2022 to 19-35 months in 2023. GoC=R+ D+
- 2022: Estimate based on estimated MCV1. Although a 2018 Kosrae and Pohnpei Childhood Vaccination Coverage Survey has been noted in the past, no report has been made available. Country indicates that difference in reported official and administrative coverage data derives from differences in target population. Official coverage is based on the number of children who are registered in FSM WebIZ, that is who attended at least one vaccination session. In previous years admin and official coverage levels were the same. Programme notes challenges with oversight of data and highlights challenges with data quality. Estimate challenged by: D-
- 2021: Estimate based on estimated MCV1. Estimate challenged by: D-
- 2020: Estimate based on estimated MCV1. Estimate challenged by: D-
- 2019: Estimate based on estimated MCV1. Estimate challenged by: D-
- 2018: Estimate based on estimated MCV1. Estimate challenged by: D-
- 2017: Estimate based on estimated MCV1. Estimate challenged by: D-
- 2016: Estimate based on estimated MCV1. Estimate challenged by: D-
- 2015: Estimate based on estimated MCV1. GoC=R+ D+
- 2014: Estimate based on estimated MCV1. Estimate challenged by: D-
- 2013: Estimate based on estimated MCV1. GoC=R+ D+



# Micronesia (Federated States of) - MCV2

FSM - MCV2



	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024
Estimate	75	75	74	45	52	48	52	62	38	38	59	60
Estimate GoC	••	•	••	•	•	•	•	•	•	•	••	••
Official	75	78	74	45	52	48	52	62	38	43	59	60
Administrative	75	78	74	45	52	48	52	62	38	38	59	60
Survey	-	-	-	-	-	-	-	-	-	-	-	-

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

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

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

## Description:

- 2024: Estimate informed by reported data. WHO and UNICEF are aware of the 2025 Multiple Indicator Cluster Survey and await final results. GoC=R+ D+
- 2023: Estimate informed by reported data. Reported target population changed from 12-23 months in 2022 to 19-35 months in 2023. Reported data accepted for consistency across antigens. GoC=R+ D+
- 2022: Estimate informed by reported administrative data. Although a 2018 Kosrae and Pohnpei Childhood Vaccination Coverage Survey has been noted in the past, no report has been made available. Country indicates that difference in reported official and administrative coverage data derives from differences in target population. Official coverage is based on the number of children who are registered in FSM WebIZ, that is who attended at least one vaccination session. In previous years admin and official coverage levels were the same. Programme notes challenges with oversight of data and highlights challenges with data quality. Estimate challenged by: D-
- 2021: Estimate informed by reported data. Reported data accepted for consistency across antigens with no explanation for the decline in reported coverage. Estimate challenged by: D-
- 2020: Estimate informed by reported data. Estimate challenged by: D-
- 2019: Estimate informed by reported data. Estimate challenged by: D-
- 2018: Estimate informed by reported data. Estimate challenged by: D-
- 2017: Estimate informed by reported data. Estimate challenged by: D-
- 2016: Estimate informed by reported data. Estimate challenged by: D-
- 2015: Estimate informed by reported data. GoC=R+ D+
- 2014: Estimate informed by interpolation between reported data. Reported data excluded. Reported number of children vaccinated and target population data inconsistent with prior years. Reported data are a magnitude of 3x greater in 2014 than 2013. Estimate challenged by: D-
- 2013: Estimate informed by reported data. GoC=R+ D+

Further information and estimates for previous years are available at:

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

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