

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

**BACKGROUND NOTE** Each year WHO and UNICEF jointly review reports submitted by Member States regarding national immunization coverage, finalized survey reports as well as data from published and grey literature. Based on these data, with due consideration to potential biases and the views of local experts, WHO and UNICEF attempt to distinguish between situations where available empirical data accurately reflect immunization system performance and those where the data are likely compromised and present a misleading view of coverage.

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

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

## DATA SOURCES

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

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

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

## ABBREVIATIONS AND DEFINITIONS

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

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

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

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

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

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

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

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

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

**HEPB3:** percentage of births which received a dose of hepatitis B vaccine within 24 hours of delivery. Estimates of hepatitis B birth dose coverage are produced only for countries with a universal birth dose policy. Estimates are not produced for countries that recommend a birth dose to infants born to HEPB virus-infected mothers only or where there is insufficient information to determine whether vaccination is within 24 hours of birth.

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

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

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

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

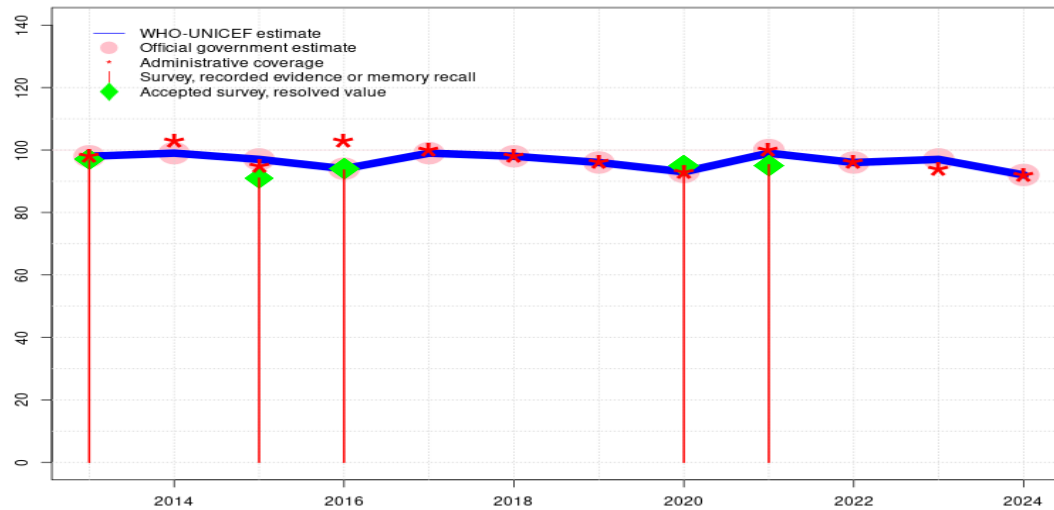
**YFV:** percentage of surviving infants who received one dose of yellow fever vaccine in countries where YFV is part of the national immunization schedule for children or is recommended in at risk areas; coverage estimates are annualized for the entire cohort of surviving infants.

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

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# Ghana - BCG

GHA - BCG



	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024
Estimate	98	99	97	94	99	98	96	93	99	96	97	92
Estimate GoC	●	●	●	●	●	●	●	●	●	●	●	●
Official	98	99	97	94	99	98	96	93	100	96	97	92
Administrative	98	103	95	103	100	98	96	93	100	96	94	92
Survey	97	-	91	94	-	-	-	95	95	-	-	-

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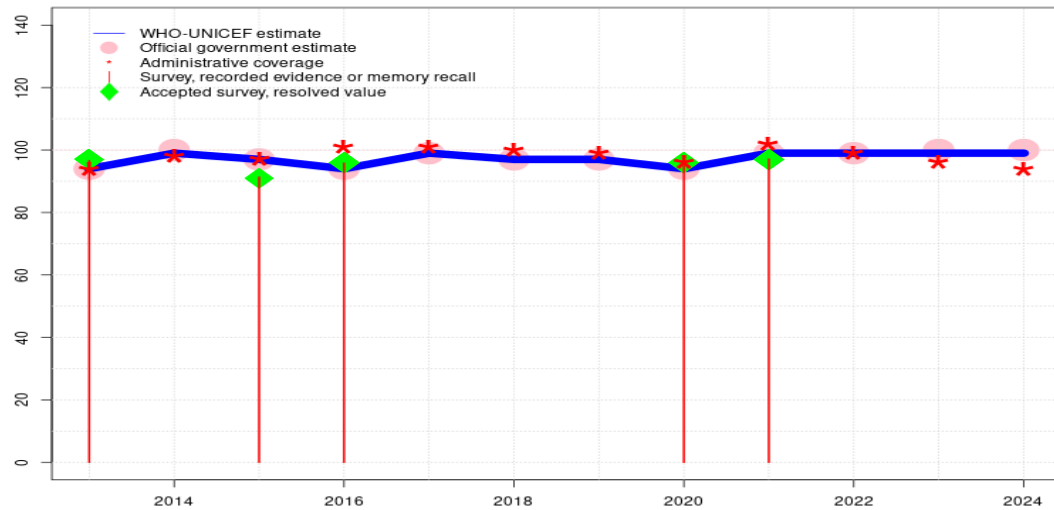
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# Ghana - DTP1

GHA - DTP1



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	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024
Estimate	94	99	97	94	99	97	97	94	99	99	99	99
Estimate GoC	●	●	●	●	●	●	●	●	●	●	●	●
Official	94	100	97	94	99	97	97	94	99	99	100	100
Administrative	94	98	97	101	101	100	99	96	102	99	96	94
Survey	97	-	91	96	-	-	-	96	97	-	-	-

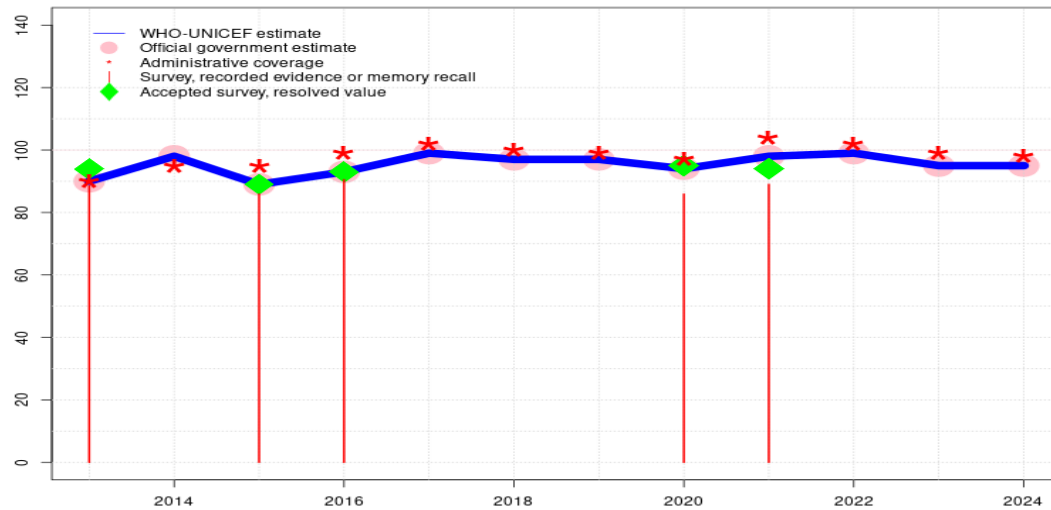
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# Ghana - DTP3

GHA - DTP3



	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024
Estimate	90	98	89	93	99	97	97	94	98	99	95	95
Estimate GoC	●	●	●	●	●	●	●	●	●	●	●	●
Official	90	98	89	93	99	97	97	94	98	99	95	95
Administrative	90	95	95	99	102	100	99	97	104	102	99	98
Survey	89	-	86	91	-	-	-	86	89	-	-	-

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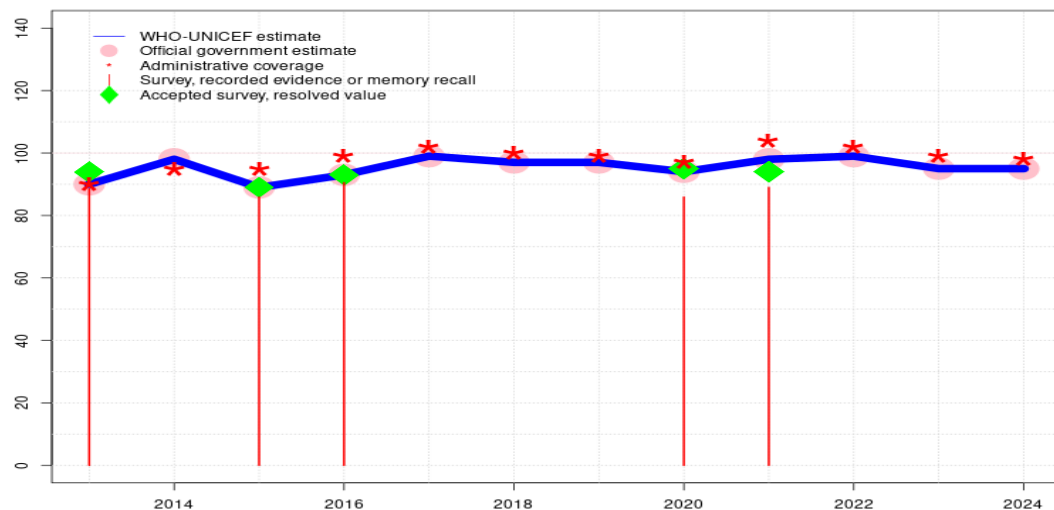
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# Ghana - HEPB3

GHA - HEPB3



	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024
Estimate	90	98	89	93	99	97	97	94	98	99	95	95
Estimate GoC	●	●	●	●	●	●	●	●	●	●	●	●
Official	90	98	89	93	99	97	97	94	98	99	95	95
Administrative	90	95	95	99	102	100	99	97	104	102	99	98
Survey	89	-	86	91	-	-	-	86	89	-	-	-

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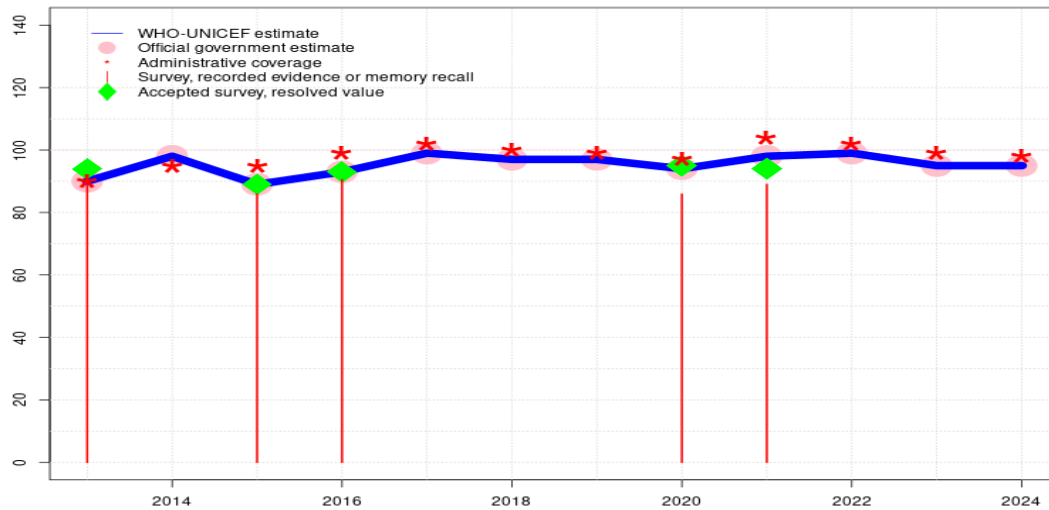
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# Ghana - HIB3

GHA - HIB3



	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024
Estimate	90	98	89	93	99	97	97	94	98	99	95	95
Estimate GoC	•	•	•	•	•	•	•	•	•	•	•	•
Official	90	98	89	93	99	97	97	94	98	99	95	95
Administrative	90	95	95	99	102	100	99	97	104	102	99	98
Survey	89	-	86	91	-	-	-	86	89	-	-	-

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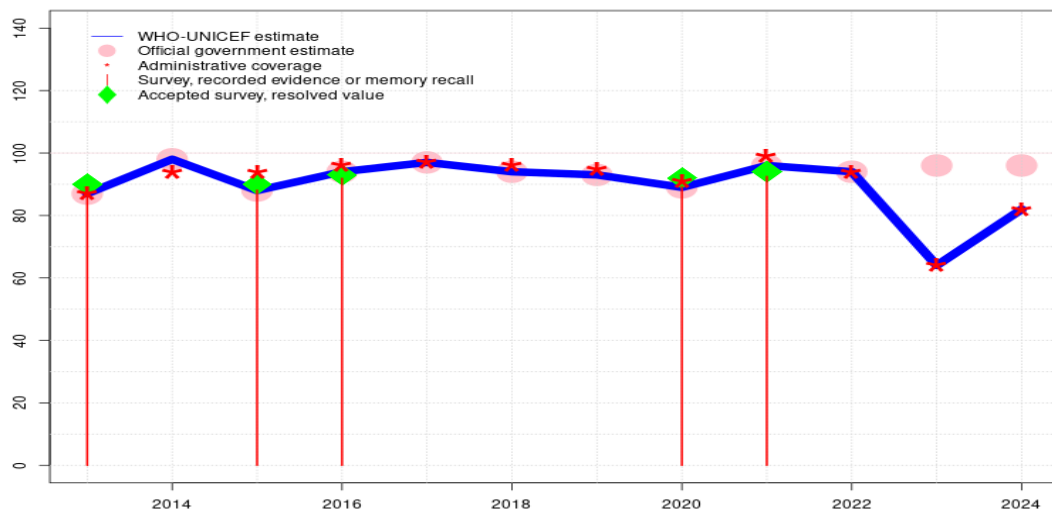
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# Ghana - ROTAC

GHA - ROTAC



	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024
Estimate	87	98	88	94	97	94	93	89	96	94	64	82
Estimate GoC	●	●	●	●	●	●	●	●	●	●	●	●
Official	87	98	88	94	97	94	93	89	96	94	96	96
Administrative	87	94	94	96	97	96	95	91	99	94	64	82
Survey	89	-	88	92	-	-	-	89	93	-	-	-

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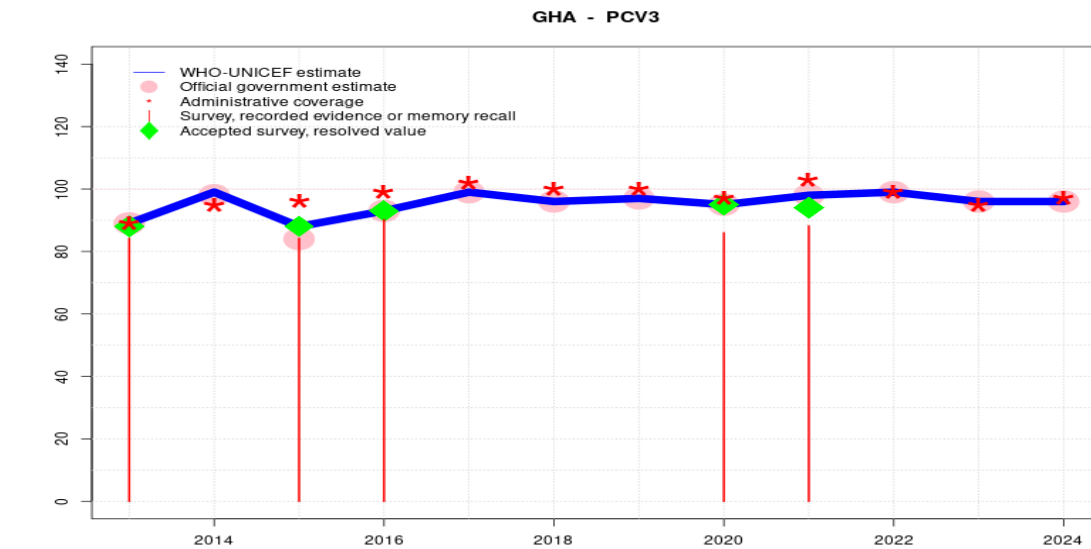
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- 2021: Estimate informed by reported data supported by survey. Survey evidence of 94 percent based on 1 survey(s). Ghana Demographic and Health Survey 2022 record or recall results of 93 percent modified for recall bias to 94 percent based on 1st dose record or recall coverage of 96 percent, 1st dose record only coverage of 87 percent and 3rd dose record only coverage of 85 percent. Programme notes use of new target population estimates from 2021 Population and Housing Census, which suggest lower values than those indicated by projections from the prior census. Estimate challenged by: D-
- 2020: Estimate informed by reported data supported by survey. Survey evidence of 92 percent based on 1 survey(s). Ghana Demographic and Health Survey 2022 record or recall results of 89 percent modified for recall bias to 92 percent based on 1st dose record or recall coverage of 94 percent, 1st dose record only coverage of 78 percent and 3rd dose record only coverage of 76 percent. 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 supported by survey. Survey evidence of 93 percent based on 1 survey(s). Ghana Multiple Indicator Cluster Survey 2017-18 record or recall results of 92 percent modified for recall bias to 93 percent based on 1st dose record or recall coverage of 95 percent, 1st dose record only coverage of 87 percent and 3rd dose record only coverage of 85 percent. Official estimate based on 2017 EPI coverage survey results. Estimate challenged by: D-
- 2015: Estimate informed by reported data supported by survey. Survey evidence of 90 percent based on 1 survey(s). Ghana Multiple Indicator Cluster Survey 2017-18 record or recall results of 88 percent modified for recall bias to 90 percent based on 1st dose record or recall coverage of 90 percent, 1st dose record only coverage of 79 percent and 3rd dose record only coverage of 79 percent. Reported official government coverage based on 2014 DHS results. Estimate challenged by: D-
- 2014: Estimate informed by reported data. Estimate challenged by: D-S-
- 2013: Estimate informed by reported data supported by survey. Survey evidence of 90 percent based on 1 survey(s). Ghana Demographic and Health Survey, 2014 record or recall results of 89 percent modified for recall bias to 90 percent based on 1st dose record or recall coverage of 91 percent, 1st dose record only coverage of 84 percent and 3rd dose record only coverage of 83 percent. Estimate challenged by: D-S-



# Ghana - PCV3



	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024
Estimate	89	99	88	93	99	96	97	95	98	99	96	96
Estimate GoC	●	●	●	●	●	●	●	●	●	●	●	●
Official	89	98	84	93	99	96	97	95	98	99	96	96
Administrative	89	95	96	99	102	100	100	97	103	99	95	97
Survey	84	-	84	90	-	-	-	86	88	-	-	-

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.

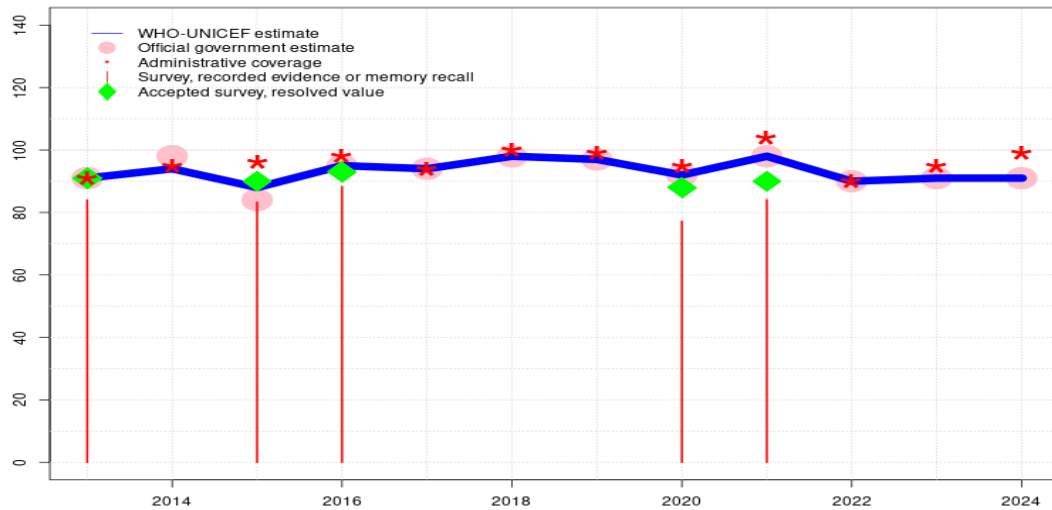
In all cases these estimates should be used with caution and should be assessed in light of the objective for which they are being used.

## Description:

- 2024: Estimate informed by reported data. Programme reported three months vaccine stock-out at the national and subnational levels. Estimate challenged by: D-
- 2023: Estimate informed by reported data. Estimate challenged by: D-
- 2022: Estimate informed by reported data. Estimate challenged by: D-
- 2021: Estimate informed by reported data supported by survey.Survey evidence of 94 percent based on 1 survey(s). Ghana Demographic and Health Survey 2022 record or recall results of 88 percent modified for recall bias to 94 percent based on 1st dose record or recall coverage of 97 percent, 1st dose record only coverage of 87 percent and 3rd dose record only coverage of 84 percent. Programme notes use of new target population estimates from 2021 Population and Housing Census, which suggest lower values than those indicated by projections from the prior census. Estimate challenged by: D-
- 2020: Estimate informed by reported data supported by survey.Survey evidence of 95 percent based on 1 survey(s). Ghana Demographic and Health Survey 2022 record or recall results of 86 percent modified for recall bias to 95 percent based on 1st dose record or recall coverage of 96 percent, 1st dose record only coverage of 78 percent and 3rd dose record only coverage of 77 percent. 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-S-
- 2016: Estimate informed by reported official coverage. Ghana Multiple Indicator Cluster Survey 2017-18 record or recall results of 90 percent modified for recall bias to 93 percent based on 1st dose record or recall coverage of 95 percent, 1st dose record only coverage of 87 percent and 3rd dose record only coverage of 85 percent. Official estimate based on 2017 EPI coverage survey results. Estimate challenged by: D-
- 2015: Estimate of 88 percent assigned by working group. Estimate informed by reported DTP3 coverage level. Ghana Multiple Indicator Cluster Survey 2017-18 record or recall results of 84 percent modified for recall bias to 88 percent based on 1st dose record or recall coverage of 90 percent, 1st dose record only coverage of 80 percent and 3rd dose record only coverage of 78 percent. Reported official government coverage based on 2014 DHS results. Estimate challenged by: D-R-
- 2014: Reported data calibrated to 2013 and 2015 levels. Estimate challenged by: D-R-S-
- 2013: Estimate informed by reported data supported by survey.Survey evidence of 88 percent based on 1 survey(s). Ghana Demographic and Health Survey, 2014 record or recall results of 84 percent modified for recall bias to 88 percent based on 1st dose record or recall coverage of 93 percent, 1st dose record only coverage of 85 percent and 3rd dose record only coverage of 80 percent. Estimate challenged by: D-S-

# Ghana - POL3

GHA - POL3



	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024
Estimate	91	94	88	95	94	98	97	92	98	90	91	91
Estimate GoC	•	•	•	•	•	•	•	•	•	•	•	•
Official	91	98	84	95	94	98	97	92	98	90	91	91
Administrative	91	95	96	98	94	100	99	95	104	90	95	99
Survey	84	-	83	88	-	-	-	77	84	-	-	-

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.

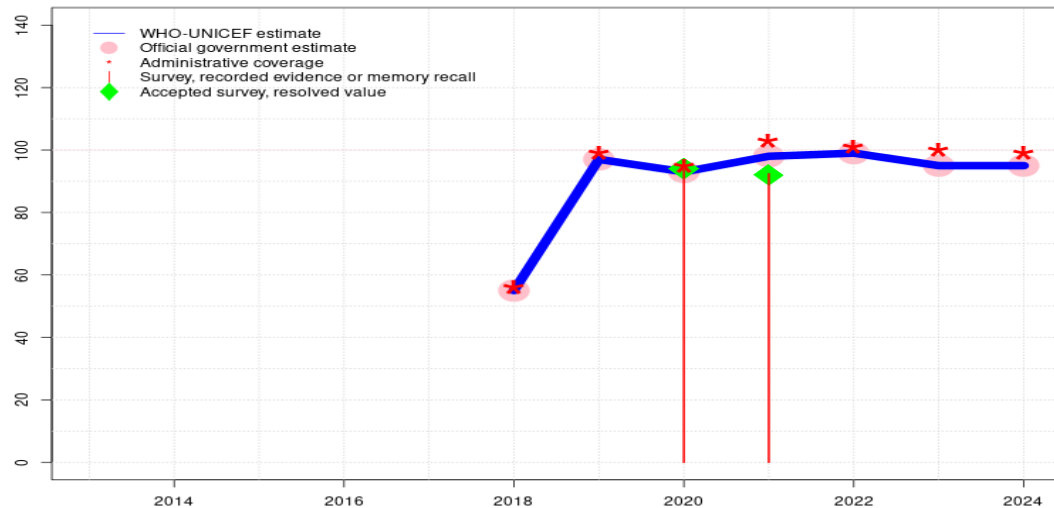
In all cases these estimates should be used with caution and should be assessed in light of the objective for which they are being used.

## Description:

- 2024: Estimate informed by reported data. Estimate challenged by: D-
- 2023: Estimate informed by reported data. Programme reports three months vaccine stockout at national and subnational levels. Estimate challenged by: D-
- 2022: Estimate informed by reported data. Programme reports four months vaccine stockout at national and subnational level. Estimate challenged by: D-
- 2021: Estimate informed by reported data supported by survey. Survey evidence of 90 percent based on 1 survey(s). Ghana Demographic and Health Survey 2022 record or recall results of 84 percent modified for recall bias to 90 percent based on 1st dose record or recall coverage of 96 percent, 1st dose record only coverage of 87 percent and 3rd dose record only coverage of 82 percent. Programme notes use of new target population estimates from 2021 Population and Housing Census, which suggest lower values than those indicated by projections from the prior census. Estimate challenged by: D-
- 2020: Estimate informed by reported data supported by survey. Survey evidence of 88 percent based on 1 survey(s). Ghana Demographic and Health Survey 2022 record or recall results of 77 percent modified for recall bias to 88 percent based on 1st dose record or recall coverage of 94 percent, 1st dose record only coverage of 78 percent and 3rd dose record only coverage of 73 percent. 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. Programme reports stockout of three months. Estimate challenged by: D-
- 2016: Estimate informed by reported data. Ghana Multiple Indicator Cluster Survey 2017-18 record or recall results of 88 percent modified for recall bias to 93 percent based on 1st dose record or recall coverage of 95 percent, 1st dose record only coverage of 87 percent and 3rd dose record only coverage of 85 percent. Official estimate based on 2017 EPI coverage survey results. Estimate challenged by: D-
- 2015: Estimate of 88 percent assigned by working group. Estimate informed by reported DTP3 coverage. Ghana Multiple Indicator Cluster Survey 2017-18 record or recall results of 83 percent modified for recall bias to 90 percent based on 1st dose record or recall coverage of 91 percent, 1st dose record only coverage of 79 percent and 3rd dose record only coverage of 78 percent. Reported data excluded due to decline in reported coverage from 98 percent to 84 percent with increase to 95 percent. Reported official government coverage based on 2014 DHS results. Estimate challenged by: D-R-
- 2014: Reported data calibrated to 2013 and 2015 levels. Estimate challenged by: D-R-
- 2013: Estimate informed by reported data supported by survey. Survey evidence of 91 percent based on 1 survey(s). Ghana Demographic and Health Survey, 2014 record or recall results of 84 percent modified for recall bias to 91 percent based on 1st dose record or recall coverage of 97 percent, 1st dose record only coverage of 88 percent and 3rd dose record only coverage of 83 percent. Estimate challenged by: D-

# Ghana - IPV1

GHA - IPV1



## Description:

2024: Estimate informed by reported data. Estimate challenged by: D-  
 2023: Estimate informed by reported data. Estimate challenged by: D-  
 2022: Estimate informed by reported data. Estimate challenged by: D-  
 2021: Estimate informed by reported data supported by survey. Survey evidence of 92 percent based on 1 survey(s). Programme notes use of new target population estimates from 2021 Population and Housing Census, which suggest lower values than those indicated by projections from the prior census. Estimate challenged by: D-  
 2020: Estimate informed by reported data supported by survey. Survey evidence of 94 percent based on 1 survey(s). Estimate challenged by: D-  
 2019: Estimate informed by reported data. Estimate challenged by: D-  
 2018: Estimate informed by reported data. Inactivated polio vaccine introduced in 2018. Estimate challenged by: D-S-

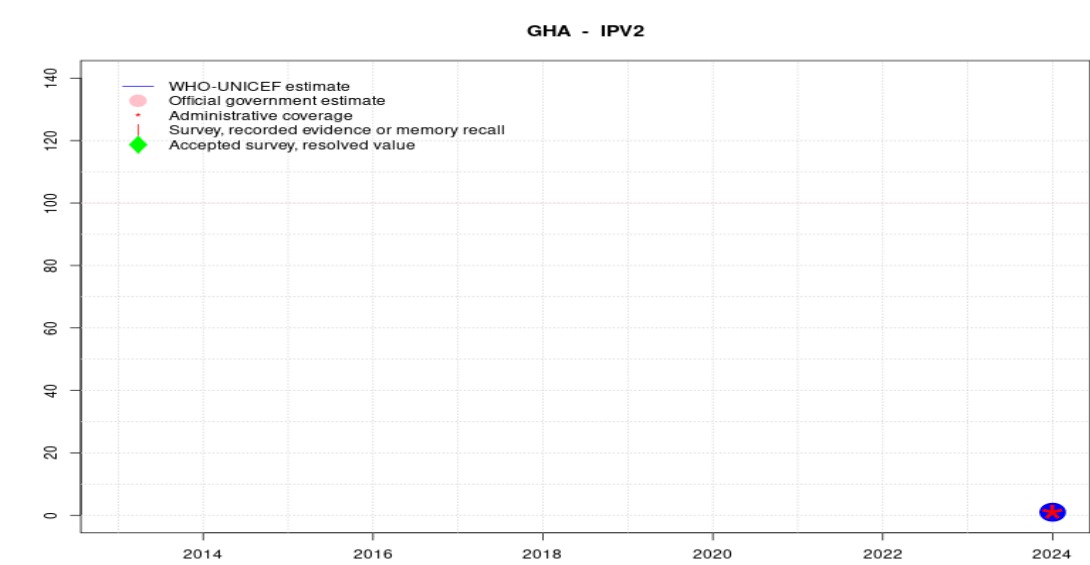
	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024
Estimate	-	-	-	-	-	55	97	93	98	99	95	95
Estimate GoC	-	-	-	-	-	●	●	●	●	●	●	●
Official	-	-	-	-	-	55	97	93	98	99	95	95
Administrative	-	-	-	-	-	56	99	95	103	101	100	99
Survey	-	-	-	-	-	-	-	94	92	-	-	-

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.

# Ghana - IPV2



Description:

2024: Estimate informed by reported administrative data. Second dose of IPV introduced in 2024. GoC=R+ D+

	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024
Estimate	-	-	-	-	-	-	-	-	-	-	-	1
Estimate GoC	-	-	-	-	-	-	-	-	-	-	-	●●
Official	-	-	-	-	-	-	-	-	-	-	-	-
Administrative	-	-	-	-	-	-	-	-	-	-	-	1
Survey	-	-	-	-	-	-	-	-	-	-	-	-

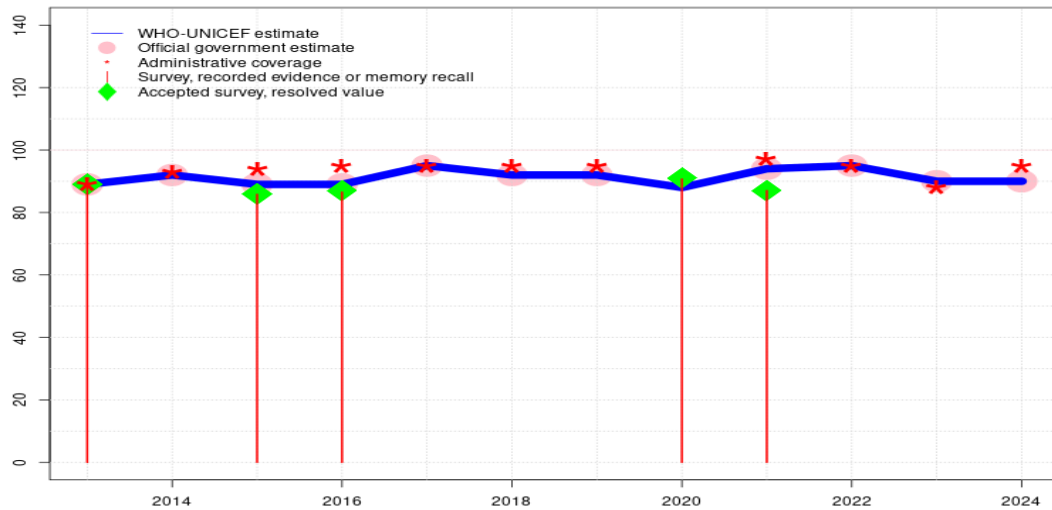
The WHO and UNICEF estimates of national immunization coverage (wuenic) are based on data and information that are of varying, and, in some instances, unknown quality. Beginning with the 2011 revision we describe the grade of confidence (GoC) we have in these estimates. As there is no underlying probability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

# Ghana - MCV1

GHA - MCV1



	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024
Estimate	89	92	89	89	95	92	92	88	94	95	90	90
Estimate GoC	●	●	●	●	●	●	●	●●	●	●	●	●
Official	89	92	89	89	95	92	92	-	94	95	90	90
Administrative	89	93	94	95	95	95	95	-	97	95	88	95
Survey	89	-	86	87	-	-	-	91	87	-	-	-

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

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

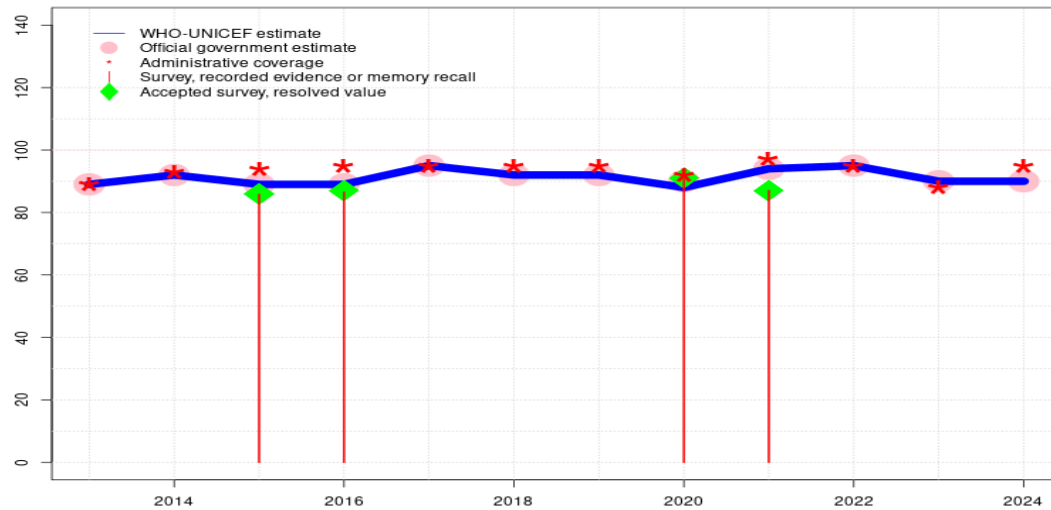
In all cases these estimates should be used with caution and should be assessed in light of the objective for which they are being used.

## Description:

- 2024: Estimate informed by reported data. Estimate challenged by: D-
- 2023: Estimate informed by reported data. Programme reports three months vaccine stockout at national and subnational levels. Estimate challenged by: D-
- 2022: Estimate informed by reported data. Programme reports four months vaccine stockout at national and subnational levels. Estimate challenged by: D-
- 2021: Estimate informed by reported data supported by survey. Survey evidence of 87 percent based on 1 survey(s). Programme notes use of new target population estimates from 2021 Population and Housing Census, which suggest lower values than those indicated by projections from the prior census. Estimate challenged by: D-
- 2020: Estimate informed by estimated coverage for YFV. While MCV1 data are not reported, MCV1 and YFV reported coverage has previously tracked closely. GoC=S+
- 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 supported by survey. Survey evidence of 87 percent based on 1 survey(s). Official estimate based on 2017 EPI coverage survey results. Estimate challenged by: D-
- 2015: Estimate informed by reported data supported by survey. Survey evidence of 86 percent based on 1 survey(s). Reported official government coverage based on 2014 DHS results. Estimate challenged by: D-
- 2014: Estimate informed by reported data. Estimate challenged by: D-
- 2013: Estimate informed by reported data supported by survey. Survey evidence of 89 percent based on 1 survey(s). Measles rubella vaccine introduced in September 2013. Estimate challenged by: D-

# Ghana - RCV1

GHA - RCV1



## Description:

2024: Estimate based on estimated MCV1. Estimate challenged by: D-  
 2023: Estimate based on estimated MCV1. Programme reports three months vaccine stockout at national and subnational levels. Estimate challenged by: D-  
 2022: Estimate based on estimated MCV1. Estimate challenged by: D-  
 2021: Estimate based on estimated MCV1. Programme notes use of new target population estimates from 2021 Population and Housing Census, which suggest lower values than those indicated by projections from the prior census. Estimate challenged by: D-  
 2020: Estimate informed by estimated coverage for MCV1. GoC=S+  
 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. Official estimate based on 2017 EPI coverage survey results. Estimate challenged by: D-  
 2015: Estimate based on estimated MCV1. Reported official government coverage based on 2014 DHS results. Estimate challenged by: D-  
 2014: Estimate based on estimated MCV1. Estimate challenged by: D-  
 2013: Estimate based on estimated MCV1. Estimate challenged by: D-

	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024
Estimate	89	92	89	89	95	92	92	88	94	95	90	90
Estimate GoC	●	●	●	●	●	●	●	●●	●	●	●	●
Official	89	92	89	89	95	92	92	90	94	95	90	90
Administrative	89	93	94	95	95	95	95	92	97	95	88	95
Survey	-	-	86	87	-	-	-	91	87	-	-	-

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

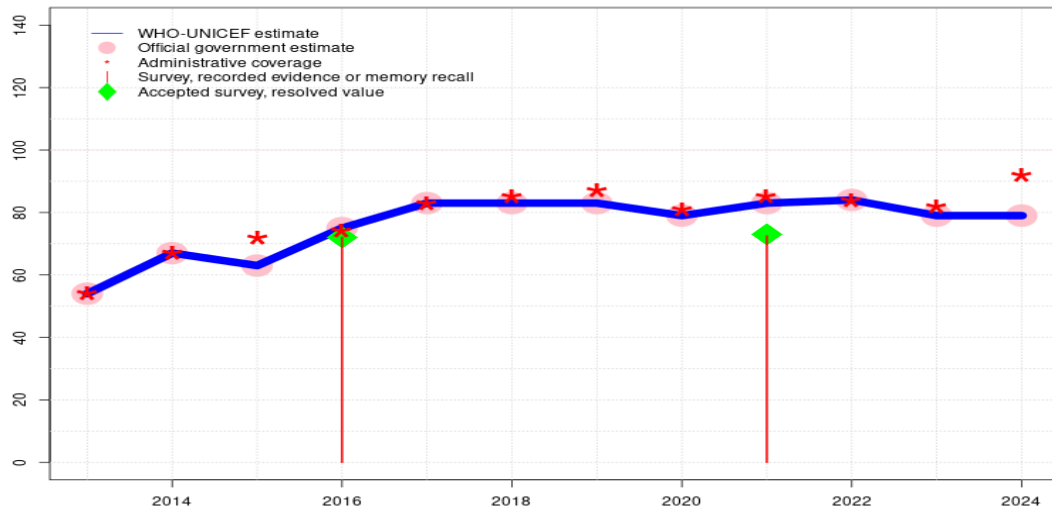
- Estimate is supported by reported data [R+], coverage recalculated with an independent denominator from the World Population Prospects: 2024 revision from the UN Population Division (D+), and at least one supporting survey within 2 years [S+]. While well supported, the estimate still carries a risk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

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



# Ghana - MCV2

GHA - MCV2



## Description:

- 2024: Estimate informed by reported data. Estimate challenged by: D-
- 2023: Estimate informed by reported data. Programme reports three months vaccine stockout at national and subnational levels. Estimate of 79 percent changed from previous revision value of 78 percent. Estimate challenged by: D-
- 2022: Estimate informed by reported data. Programme reports four months vaccine stockout at national and subnational levels. Estimate challenged by: D-S-
- 2021: Estimate informed by reported data supported by survey. Survey evidence of 73 percent based on 1 survey(s). Programme notes use of new target population estimates from 2021 Population and Housing Census, which suggest lower values than those indicated by projections from the prior census. 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-S-
- 2017: Estimate informed by reported data. Estimate challenged by: D-S-
- 2016: Estimate informed by reported data supported by survey. Survey evidence of 72 percent based on 1 survey(s). Official estimate based on 2017 EPI coverage survey results. Estimate informed by reported data during introduction period. Estimate challenged by: D-
- 2015: Estimate informed by reported data. Reported official government coverage based on 2014 DHS results. Estimate challenged by: D-
- 2014: Estimate informed by reported data. Estimate challenged by: D-
- 2013: Estimate informed by reported data. Measles rubella vaccine introduced in September 2013. Estimate challenged by: D-

	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024
Estimate	54	67	63	75	83	83	83	79	83	84	79	79
Estimate GoC	●	●	●	●	●	●	●	●	●	●	●	●
Official	54	67	63	75	83	83	83	79	83	84	79	79
Administrative	54	67	72	74	83	85	87	81	85	84	82	92
Survey	-	-	-	72	-	-	-	-	73	-	-	-

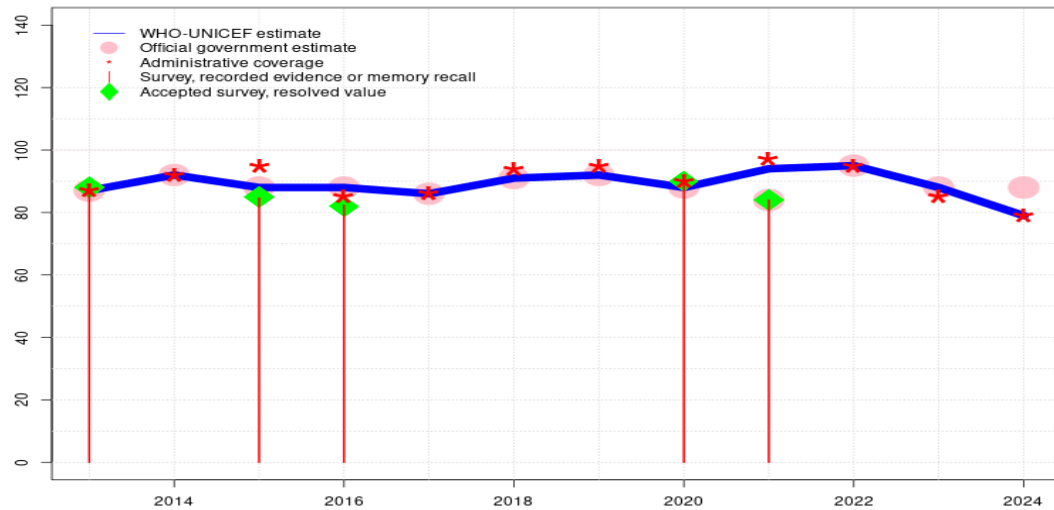
The WHO and UNICEF estimates of national immunization coverage (wuenic) are based on data and information that are of varying, and, in some instances, unknown quality. Beginning with the 2011 revision we describe the grade of confidence (GoC) we have in these estimates. As there is no underlying probability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

# Ghana - YFV

GHA - YFV



	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024
Estimate	87	92	88	88	86	91	92	88	94	95	88	79
Estimate GoC	●	●	●	●	●	●	●	●	●	●	●	●
Official	87	92	88	88	86	91	92	88	84	95	88	88
Administrative	87	92	95	85	86	94	95	90	97	95	85	79
Survey	88	-	85	82	-	-	-	90	84	-	-	-

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.

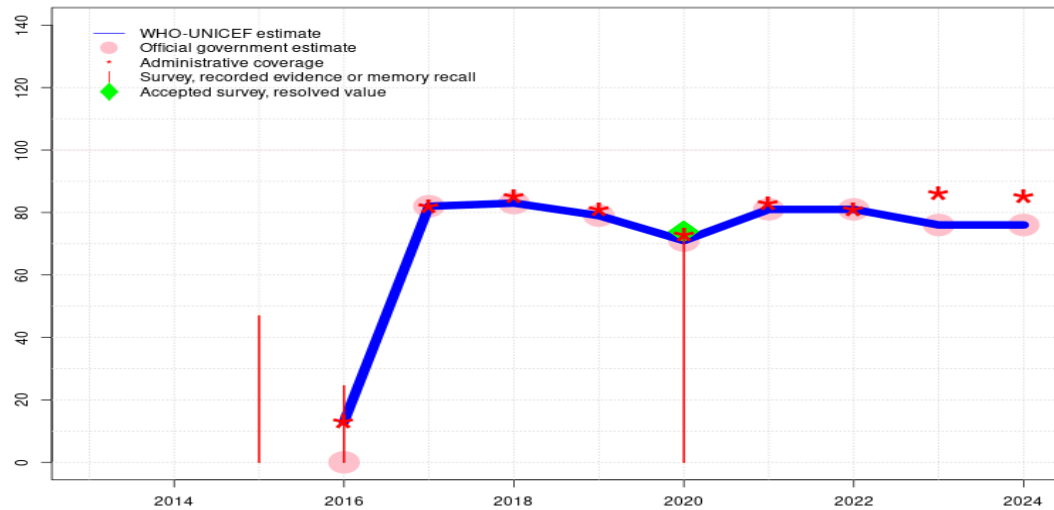
In all cases these estimates should be used with caution and should be assessed in light of the objective for which they are being used.

## Description:

- 2024: Estimate informed by reported administrative data. Programme reported three months vaccine stock-out at the national and subnational levels. Estimate challenged by: D-
- 2023: Estimate informed by reported data. Estimate challenged by: D-
- 2022: Estimate informed by reported data. Reported data accepted consistent with other antigens recommended for administration at the same age. Estimate challenged by: D-S-
- 2021: Estimate informed by estimated coverage for MCV1. Adjustment used to derive reported official coverage differs from that used for MCV1. Programme notes use of new target population estimates from 2021 Population and Housing Census, which suggest lower values than those indicated by projections from the prior census. Estimate challenged by: D-R-
- 2020: Estimate informed by reported data supported by survey. Survey evidence of 90 percent based on 1 survey(s). 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. Programme reports stockout of 4 months. Estimate challenged by: D-
- 2016: Estimate informed by reported data supported by survey. Survey evidence of 82 percent based on 1 survey(s). Official estimate based on 2017 EPI coverage survey results. Programme reports a two months vaccine stockout at national level. Decrease in admin data may be at least in part due to the stockout. Estimate challenged by: D-
- 2015: Estimate informed by reported data supported by survey. Survey evidence of 85 percent based on 1 survey(s). Reported official government coverage based on 2014 DHS results. Estimate challenged by: D-
- 2014: Estimate informed by reported data. Estimate challenged by: D-
- 2013: Estimate informed by reported data supported by survey. Survey evidence of 88 percent based on 1 survey(s). Estimate challenged by: D-

# Ghana - MENGA

GHA - MENGA



## Description:

2024: Estimate informed by reported data. Programme reported three months vaccine stock-out at the national and subnational levels. Estimate challenged by: D-

2023: Estimate informed by reported data. Estimate challenged by: D-

2022: Estimate informed by reported data. Estimate challenged by: D-

2021: Estimate informed by reported data. Programme notes use of new target population estimates from 2021 Population and Housing Census, which suggest lower values than those indicated by projections from the prior census. Estimate challenged by: D-

2020: Estimate informed by reported data supported by survey. Survey evidence of 74 percent based on 1 survey(s). 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 administrative data. Ghana Multiple Indicator Cluster Survey 2017-18 results ignored by working group. Meningitis A vaccine introduced in 2016. Survey results ignored due to vaccine introduction. Official estimate based on 2017 EPI coverage survey results. GoC=R+ D+

	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024
Estimate	-	-	-	13	82	83	79	71	81	81	76	76
Estimate GoC	-	-	-	••	•	•	•	•	•	•	•	•
Official	-	-	-	0	82	83	79	71	81	81	76	76
Administrative	-	-	-	13	82	85	81	73	83	81	86	85
Survey	-	-	47	25	-	-	-	74	-	-	-	-

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.

# Ghana - Survey Details

**NOTE** A survey to measure vaccination coverage for infants (i.e., children aged 0-11 months) will sample children aged 12-23 months at the time of survey to capture the youngest annual cohort of children who should have completed the vaccination schedule. Because WUENIC are for infant vaccinations, survey data in this report are presented to reflect the birth year of the youngest survey cohort. For example, results for a survey conducted during December 2020 among children aged 12-23 months at the time of the survey reflect the immunization experience of children born in 2019. Depending on the timing of survey field work, results may reflect the immunization experience of children born and vaccinated one or two years prior to the survey field work.

The survey results below present vaccination coverage estimates by antigen, confirmation method, and child's age at the time of the survey. Coverage based on **Recall** reflects information based upon a mother's or caregiver's memory. Coverage based on **Record** reflects information drawn from documented vaccination history in home- and/or facility-based records. **Evidence seen** reflects the percentage of children in the sample with documented evidence of vaccination history seen by the survey team.

## 2021 Ghana Demographic and Health Survey 2022

Vaccine	Confirmation method	Coverage	Age cohort	Sample	Evidence seen
BCG	Recall	10.1	12-23 m	221	88
BCG	Record	85.2	12-23 m	1602	88
BCG	Record or Recall	95.3	12-23 m	1823	88
BCG	Record or Recall<12m	95	12-23 m	1823	88
DTP1	Recall	9.7	12-23 m	221	88
DTP1	Record	87.4	12-23 m	1602	88
DTP1	Record or Recall	97.1	12-23 m	1823	88
DTP1	Record or Recall<12m	96.9	12-23 m	1823	88
DTP3	Recall	4.8	12-23 m	221	88
DTP3	Record	84.2	12-23 m	1602	88
DTP3	Record or Recall	89	12-23 m	1823	88
DTP3	Record or Recall<12m	87.9	12-23 m	1823	88
HEPB1	Recall	9.7	12-23 m	221	88
HEPB1	Record	87.4	12-23 m	1602	88
HEPB1	Record or Recall	97.1	12-23 m	1823	88
HEPB1	Record or Recall<12m	96.9	12-23 m	1823	88
HEPB3	Recall	4.8	12-23 m	221	88
HEPB3	Record	84.2	12-23 m	1602	88
HEPB3	Record or Recall	89	12-23 m	1823	88

HEPB3	Record or Recall<12m	87.9	12-23 m	1823	88
HIB1	Recall	9.7	12-23 m	221	88
HIB1	Record	87.4	12-23 m	1602	88
HIB1	Record or Recall	97.1	12-23 m	1823	88
HIB1	Record or Recall<12m	96.9	12-23 m	1823	88
HIB3	Recall	4.8	12-23 m	221	88
HIB3	Record	84.2	12-23 m	1602	88
HIB3	Record or Recall	89	12-23 m	1823	88
HIB3	Record or Recall<12m	87.9	12-23 m	1823	88
IPV1	Recall	9.1	12-23 m	221	88
IPV1	Record	83.2	12-23 m	1602	88
IPV1	Record or Recall	92.4	12-23 m	1823	88
IPV1	Record or Recall<12m	91	12-23 m	1823	88
MCV1	Recall	7.8	12-23 m	221	88
MCV1	Record	79.2	12-23 m	1602	88
MCV1	Record or Recall	87	12-23 m	1823	88
MCV1	Record or Recall<12m	80.4	12-23 m	1823	88
MCV2	Recall	11.1	24-35 m	333	79
MCV2	Record	61.4	24-35 m	1213	79
MCV2	Record or Recall	72.5	24-35 m	1546	79
MCV2	Record or Recall<12m	69.3	24-35 m	1546	79
PCV1	Recall	9.5	12-23 m	221	88
PCV1	Record	87.2	12-23 m	1602	88
PCV1	Record or Recall	96.7	12-23 m	1823	88
PCV1	Record or Recall<12m	96.5	12-23 m	1823	88
PCV3	Recall	4.2	12-23 m	221	88
PCV3	Record	84	12-23 m	1602	88
PCV3	Record or Recall	88.2	12-23 m	1823	88
PCV3	Record or Recall<12m	87	12-23 m	1823	88
POL1	Recall	8.2	12-23 m	221	88
POL1	Record	87.3	12-23 m	1602	88
POL1	Record or Recall	95.5	12-23 m	1823	88
POL1	Record or Recall<12m	95.4	12-23 m	1823	88
POL3	Recall	2.1	12-23 m	221	88
POL3	Record	82	12-23 m	1602	88
POL3	Record or Recall	84.1	12-23 m	1823	88
POL3	Record or Recall<12m	83.1	12-23 m	1823	88
RCV1	Recall	7.8	12-23 m	221	88
RCV1	Record	79.2	12-23 m	1602	88
RCV1	Record or Recall	87	12-23 m	1823	88

# Ghana - Survey Details

RCV1	Record or Recall<12m	80.4	12-23 m	1823	88	HIB3	Record or Recall	85.9	24-35 m	1546	79
ROTAC	Recall	7.6	12-23 m	221	88	HIB3	Record or Recall<12m	83.4	24-35 m	1546	79
ROTAC	Record	84.9	12-23 m	1602	88	IPV1	Recall	17.8	24-35 m	333	79
ROTAC	Record or Recall	92.5	12-23 m	1823	88	IPV1	Record	76	24-35 m	1213	79
ROTAC	Record or Recall<12m	91.8	12-23 m	1823	88	IPV1	Record or Recall	93.7	24-35 m	1546	79
YFV	Recall	6.9	12-23 m	221	88	IPV1	Record or Recall<12m	90.5	24-35 m	1546	79
YFV	Record	77.1	12-23 m	1602	88	MCV1	Recall	15.8	24-35 m	333	79
YFV	Record or Recall	84	12-23 m	1823	88	MCV1	Record	74.9	24-35 m	1213	79
YFV	Record or Recall<12m	76.1	12-23 m	1823	88	MCV1	Record or Recall	90.7	24-35 m	1546	79

## 2020 Ghana Demographic and Health Survey 2022

Vaccine	Confirmation method	Coverage	Age cohort	Sample	Evidence seen						
BCG	Recall	18.9	24-35 m	333	79	MENGA	Recall	15	24-35 m	333	79
BCG	Record	76.1	24-35 m	1213	79	MENGA	Record	59.3	24-35 m	1213	79
BCG	Record or Recall	95	24-35 m	1546	79	MENGA	Record or Recall	74.3	24-35 m	1546	79
BCG	Record or Recall<12m	94.4	24-35 m	1546	79	MENGA	Record or Recall<12m	70.1	24-35 m	1546	79
DTP1	Recall	17.5	24-35 m	333	79	PCV1	Recall	17.5	24-35 m	333	79
DTP1	Record	78.1	24-35 m	1213	79	PCV1	Record	78	24-35 m	1213	79
DTP1	Record or Recall	95.6	24-35 m	1546	79	PCV1	Record or Recall	95.6	24-35 m	1546	79
DTP1	Record or Recall<12m	94.8	24-35 m	1546	79	PCV1	Record or Recall<12m	94.7	24-35 m	1546	79
DTP3	Recall	9.4	24-35 m	333	79	PCV3	Recall	9.5	24-35 m	333	79
DTP3	Record	76.6	24-35 m	1213	79	PCV3	Record	76.5	24-35 m	1213	79
DTP3	Record or Recall	85.9	24-35 m	1546	79	PCV3	Record or Recall	86	24-35 m	1546	79
DTP3	Record or Recall<12m	83.4	24-35 m	1546	79	PCV3	Record or Recall<12m	83.2	24-35 m	1546	79
HEPB1	Recall	17.5	24-35 m	333	79	POL1	Recall	15.4	24-35 m	333	79
HEPB1	Record	78.1	24-35 m	1213	79	POL1	Record	78.1	24-35 m	1213	79
HEPB1	Record or Recall	95.6	24-35 m	1546	79	POL1	Record or Recall	93.5	24-35 m	1546	79
HEPB1	Record or Recall<12m	94.8	24-35 m	1546	79	POL1	Record or Recall<12m	92.6	24-35 m	1546	79
HEPB3	Recall	9.4	24-35 m	333	79	POL3	Recall	4.5	24-35 m	333	79
HEPB3	Record	76.6	24-35 m	1213	79	POL3	Record	72.6	24-35 m	1213	79
HEPB3	Record or Recall	85.9	24-35 m	1546	79	POL3	Record or Recall	77.2	24-35 m	1546	79
HEPB3	Record or Recall<12m	83.4	24-35 m	1546	79	POL3	Record or Recall<12m	74.8	24-35 m	1546	79
HIB1	Recall	17.5	24-35 m	333	79	RCV1	Recall	15.8	24-35 m	333	79
HIB1	Record	78.1	24-35 m	1213	79	RCV1	Record	74.9	24-35 m	1213	79
HIB1	Record or Recall	95.6	24-35 m	1546	79	RCV1	Record or Recall	90.7	24-35 m	1546	79
HIB1	Record or Recall<12m	94.8	24-35 m	1546	79	RCV1	Record or Recall<12m	81.6	24-35 m	1546	79
HIB3	Recall	9.4	24-35 m	333	79	ROTAC	Recall	13.4	24-35 m	333	79
HIB3	Record	76.6	24-35 m	1213	79	ROTAC	Record	75.8	24-35 m	1213	79
						ROTAC	Record or Recall	89.2	24-35 m	1546	79
						ROTAC	Record or Recall<12m	87.2	24-35 m	1546	79
						YFV	Recall	16.1	24-35 m	333	79
						YFV	Record	74.1	24-35 m	1213	79

# Ghana - Survey Details

YFV	Record or Recall	90.2	24-35 m	1546	79
YFV	Record or Recall<12m	80.5	24-35 m	1546	79

## 2016 Ghana Multiple Indicator Cluster Survey 2017-18

Vaccine	Confirmation method	Coverage	Age cohort	Sample	Evidence seen
BCG	Recall	9.3	12-23 m	1694	88
BCG	Record	84.3	12-23 m	1694	88
BCG	Record or Recall	93.6	12-23 m	1694	88
BCG	Record or Recall<12m	93.5	12-23 m	1694	88
DTP1	Recall	8.2	12-23 m	1694	88
DTP1	Record	87.6	12-23 m	1694	88
DTP1	Record or Recall	95.8	12-23 m	1694	88
DTP1	Record or Recall<12m	95.6	12-23 m	1694	88
DTP3	Recall	5.6	12-23 m	1694	88
DTP3	Record	85	12-23 m	1694	88
DTP3	Record or Recall	90.5	12-23 m	1694	88
DTP3	Record or Recall<12m	89.3	12-23 m	1694	88
HEPB1	Recall	8.2	12-23 m	1694	88
HEPB1	Record	87.6	12-23 m	1694	88
HEPB1	Record or Recall	95.8	12-23 m	1694	88
HEPB1	Record or Recall<12m	95.6	12-23 m	1694	88
HEPB3	Recall	5.6	12-23 m	1694	88
HEPB3	Record	85	12-23 m	1694	88
HEPB3	Record or Recall	90.5	12-23 m	1694	88
HEPB3	Record or Recall<12m	89.3	12-23 m	1694	88
HIB1	Recall	8.2	12-23 m	1694	88
HIB1	Record	87.6	12-23 m	1694	88
HIB1	Record or Recall	95.8	12-23 m	1694	88
HIB1	Record or Recall<12m	95.6	12-23 m	1694	88
HIB3	Recall	5.6	12-23 m	1694	88
HIB3	Record	85	12-23 m	1694	88
HIB3	Record or Recall	90.5	12-23 m	1694	88
HIB3	Record or Recall<12m	89.3	12-23 m	1694	88
MCV1	Recall	7.1	12-23 m	1694	88
MCV1	Record	79.4	12-23 m	1694	88
MCV1	Record or Recall	86.5	12-23 m	1694	88
MCV1	Record or Recall<12m	81.6	12-23 m	1694	88
MCV2	Recall	8.6	24-35 m	1754	-

MCV2	Record	63.3	24-35 m	1754	-
MCV2	Record or Recall	72	24-35 m	1754	-
MCV2	Record or Recall<12m	71.9	24-35 m	1754	-
MENGA	Recall	2.9	12-23 m	1694	88
MENGA	Record	21.6	12-23 m	1694	88
MENGA	Record or Recall	24.5	12-23 m	1694	88
MENGA	Record or Recall<12m	0.3	12-23 m	1694	88
PCV1	Recall	7.5	12-23 m	1694	88
PCV1	Record	87	12-23 m	1694	88
PCV1	Record or Recall	94.5	12-23 m	1694	88
PCV1	Record or Recall<12m	94.3	12-23 m	1694	88
PCV3	Recall	5.7	12-23 m	1694	88
PCV3	Record	84.5	12-23 m	1694	88
PCV3	Record or Recall	90.2	12-23 m	1694	88
PCV3	Record or Recall<12m	88.9	12-23 m	1694	88
POL1	Recall	8	12-23 m	1694	88
POL1	Record	86.7	12-23 m	1694	88
POL1	Record or Recall	94.6	12-23 m	1694	88
POL1	Record or Recall<12m	94.3	12-23 m	1694	88
POL3	Recall	3.7	12-23 m	1694	88
POL3	Record	84.6	12-23 m	1694	88
POL3	Record or Recall	88.3	12-23 m	1694	88
POL3	Record or Recall<12m	87.3	12-23 m	1694	88
RCV1	Recall	7.1	12-23 m	1694	88
RCV1	Record	79.4	12-23 m	1694	88
RCV1	Record or Recall	86.5	12-23 m	1694	88
RCV1	Record or Recall<12m	81.6	12-23 m	1694	88
ROTAC	Recall	6.8	12-23 m	1694	88
ROTAC	Record	85	12-23 m	1694	88
ROTAC	Record or Recall	91.9	12-23 m	1694	88
ROTAC	Record or Recall<12m	91.7	12-23 m	1694	88
YFV	Recall	6.4	12-23 m	1694	88
YFV	Record	76	12-23 m	1694	88
YFV	Record or Recall	82.3	12-23 m	1694	88
YFV	Record or Recall<12m	82.3	12-23 m	1694	88

## 2015 Ghana Multiple Indicator Cluster Survey 2017-18

Vaccine	Confirmation method	Coverage	Age cohort	Sample	Evidence seen
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# Ghana - Survey Details

BCG	Recall	12.6	24-35 m	1754	-
BCG	Record	78.4	24-35 m	1754	-
BCG	Record or Recall	91	24-35 m	1754	-
BCG	Record or Recall<12m	90.6	24-35 m	1754	-
DTP1	Recall	11.7	24-35 m	1754	-
DTP1	Record	79.6	24-35 m	1754	-
DTP1	Record or Recall	91.3	24-35 m	1754	-
DTP1	Record or Recall<12m	90.9	24-35 m	1754	-
DTP3	Recall	7.5	24-35 m	1754	-
DTP3	Record	78.4	24-35 m	1754	-
DTP3	Record or Recall	85.9	24-35 m	1754	-
DTP3	Record or Recall<12m	84.8	24-35 m	1754	-
HEPB1	Recall	11.7	24-35 m	1754	-
HEPB1	Record	79.6	24-35 m	1754	-
HEPB1	Record or Recall	91.3	24-35 m	1754	-
HEPB1	Record or Recall<12m	90.9	24-35 m	1754	-
HEPB3	Recall	7.5	24-35 m	1754	-
HEPB3	Record	78.4	24-35 m	1754	-
HEPB3	Record or Recall	85.9	24-35 m	1754	-
HEPB3	Record or Recall<12m	84.8	24-35 m	1754	-
HIB1	Recall	11.7	24-35 m	1754	-
HIB1	Record	79.6	24-35 m	1754	-
HIB1	Record or Recall	91.3	24-35 m	1754	-
HIB1	Record or Recall<12m	90.9	24-35 m	1754	-
HIB3	Recall	7.5	24-35 m	1754	-
HIB3	Record	78.4	24-35 m	1754	-
HIB3	Record or Recall	85.9	24-35 m	1754	-
HIB3	Record or Recall<12m	84.8	24-35 m	1754	-
MCV1	Recall	11.2	24-35 m	1754	-
MCV1	Record	74.6	24-35 m	1754	-
MCV1	Record or Recall	85.8	24-35 m	1754	-
MCV1	Record or Recall<12m	80.3	24-35 m	1754	-
MENGA	Recall	7	24-35 m	1754	-
MENGA	Record	39.9	24-35 m	1754	-
MENGA	Record or Recall	46.9	24-35 m	1754	-
MENGA	Record or Recall<12m	1.7	24-35 m	1754	-
PCV1	Recall	10.4	24-35 m	1754	-
PCV1	Record	79.7	24-35 m	1754	-
PCV1	Record or Recall	90.1	24-35 m	1754	-
PCV1	Record or Recall<12m	89.8	24-35 m	1754	-

PCV3	Recall	6.4	24-35 m	1754	-
PCV3	Record	77.8	24-35 m	1754	-
PCV3	Record or Recall	84.2	24-35 m	1754	-
PCV3	Record or Recall<12m	83	24-35 m	1754	-
POL1	Recall	11.3	24-35 m	1754	-
POL1	Record	79.1	24-35 m	1754	-
POL1	Record or Recall	90.5	24-35 m	1754	-
POL1	Record or Recall<12m	90.2	24-35 m	1754	-
POL3	Recall	5.3	24-35 m	1754	-
POL3	Record	77.9	24-35 m	1754	-
POL3	Record or Recall	83.3	24-35 m	1754	-
POL3	Record or Recall<12m	82.1	24-35 m	1754	-
RCV1	Recall	11.2	24-35 m	1754	-
RCV1	Record	74.6	24-35 m	1754	-
RCV1	Record or Recall	85.8	24-35 m	1754	-
RCV1	Record or Recall<12m	80.3	24-35 m	1754	-
ROTAC	Recall	9.3	24-35 m	1754	-
ROTAC	Record	78.8	24-35 m	1754	-
ROTAC	Record or Recall	88.1	24-35 m	1754	-
ROTAC	Record or Recall<12m	87.5	24-35 m	1754	-
YFV	Recall	10.5	24-35 m	1754	-
YFV	Record	74.1	24-35 m	1754	-
YFV	Record or Recall	84.6	24-35 m	1754	-
YFV	Record or Recall<12m	78.6	24-35 m	1754	-

## 2013 Ghana Demographic and Health Survey, 2014

Vaccine	Confirmation method	Coverage	Age cohort	Sample	Evidence seen
BCG	Recall	10	12-23 m	132	88
BCG	Record	86.8	12-23 m	982	88
BCG	Record or Recall	96.8	12-23 m	1113	88
BCG	Record or Recall<12m	96.6	12-23 m	1113	88
DTP1	Recall	9.4	12-23 m	132	88
DTP1	Record	87.2	12-23 m	982	88
DTP1	Record or Recall	96.6	12-23 m	1113	88
DTP1	Record or Recall<12m	96.5	12-23 m	1113	88
DTP3	Recall	4.1	12-23 m	132	88
DTP3	Record	84.4	12-23 m	982	88
DTP3	Record or Recall	88.5	12-23 m	1113	88

# Ghana - Survey Details

DTP3	Record or Recall<12m	87.7	12-23 m	1113	88
HEPB1	Recall	9.4	12-23 m	132	88
HEPB1	Record	87.2	12-23 m	982	88
HEPB1	Record or Recall	96.6	12-23 m	1113	88
HEPB1	Record or Recall<12m	96.5	12-23 m	1113	88
HEPB3	Recall	4.1	12-23 m	132	88
HEPB3	Record	84.4	12-23 m	982	88
HEPB3	Record or Recall	88.5	12-23 m	1113	88
HEPB3	Record or Recall<12m	87.7	12-23 m	1113	88
HIB1	Recall	9.4	12-23 m	132	88
HIB1	Record	87.2	12-23 m	982	88
HIB1	Record or Recall	96.6	12-23 m	1113	88
HIB1	Record or Recall<12m	96.5	12-23 m	1113	88
HIB3	Recall	4.1	12-23 m	132	88
HIB3	Record	84.4	12-23 m	982	88
HIB3	Record or Recall	88.5	12-23 m	1113	88
HIB3	Record or Recall<12m	87.7	12-23 m	1113	88
MCV1	Recall	8.8	12-23 m	132	88
MCV1	Record	80.5	12-23 m	982	88
MCV1	Record or Recall	89.3	12-23 m	1113	88
MCV1	Record or Recall<12m	82.5	12-23 m	1113	88
MCV2	Record or Recall<24m	59.5	24-35 m	1090	-
PCV1	Recall	8.2	12-23 m	132	88
PCV1	Record	85.1	12-23 m	982	88
PCV1	Record or Recall	93.3	12-23 m	1113	88
PCV1	Record or Recall<12m	93.2	12-23 m	1113	88
PCV3	Recall	3.9	12-23 m	132	88
PCV3	Record	80.3	12-23 m	982	88
PCV3	Record or Recall	84.2	12-23 m	1113	88
PCV3	Record or Recall<12m	83	12-23 m	1113	88
POL1	Recall	9.2	12-23 m	132	88
POL1	Record	87.9	12-23 m	982	88
POL1	Record or Recall	97.1	12-23 m	1113	88
POL1	Record or Recall<12m	97	12-23 m	1113	88
POL3	Recall	1.4	12-23 m	132	88
POL3	Record	82.7	12-23 m	982	88
POL3	Record or Recall	84	12-23 m	1113	88
POL3	Record or Recall<12m	83.3	12-23 m	1113	88
ROTAC	Recall	6.2	12-23 m	132	88
ROTAC	Record	82.5	12-23 m	982	88

ROTAC	Record or Recall	88.7	12-23 m	1113	88
ROTAC	Record or Recall<12m	88.5	12-23 m	1113	88
YFV	Recall	8.6	12-23 m	132	88
YFV	Record	79.4	12-23 m	982	88
YFV	Record or Recall	88	12-23 m	1113	88
YFV	Record or Recall<12m	79.1	12-23 m	1113	88

## 2012 Ghana Demographic and Health Survey, 2014

Vaccine	Confirmation method	Coverage	Age cohort	Sample	Evidence seen
BCG	Recall	17.9	24-35 m	218	-
BCG	Record	78.7	24-35 m	872	-
BCG	Record or Recall	96.6	24-35 m	1090	-
BCG	Record or Recall<12m	96.6	24-35 m	1090	-
DTP1	Recall	17.8	24-35 m	218	-
DTP1	Record	78.6	24-35 m	872	-
DTP1	Record or Recall	96.4	24-35 m	1090	-
DTP1	Record or Recall<12m	96.2	24-35 m	1090	-
DTP3	Recall	9.7	24-35 m	218	-
DTP3	Record	76.1	24-35 m	872	-
DTP3	Record or Recall	85.8	24-35 m	1090	-
DTP3	Record or Recall<12m	85.6	24-35 m	1090	-
HEPB1	Recall	17.8	24-35 m	218	-
HEPB1	Record	78.6	24-35 m	872	-
HEPB1	Record or Recall	96.4	24-35 m	1090	-
HEPB1	Record or Recall<12m	96.2	24-35 m	1090	-
HEPB3	Recall	9.7	24-35 m	218	-
HEPB3	Record	76.1	24-35 m	872	-
HEPB3	Record or Recall	85.8	24-35 m	1090	-
HEPB3	Record or Recall<12m	85.6	24-35 m	1090	-
HIB1	Recall	17.8	24-35 m	218	-
HIB1	Record	78.6	24-35 m	872	-
HIB1	Record or Recall	96.4	24-35 m	1090	-
HIB1	Record or Recall<12m	96.2	24-35 m	1090	-
HIB3	Recall	9.7	24-35 m	218	-
HIB3	Record	76.1	24-35 m	872	-
HIB3	Record or Recall	85.8	24-35 m	1090	-
HIB3	Record or Recall<12m	85.6	24-35 m	1090	-
MCV1	Recall	17.2	24-35 m	218	-

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MCV1	Record	72.8	24-35 m	872	-
MCV1	Record or Recall	90	24-35 m	1090	-
MCV1	Record or Recall<12m	89.5	24-35 m	1090	-
MCV2	Recall	11.6	24-35 m	218	-
MCV2	Record	51.5	24-35 m	872	-
MCV2	Record or Recall	63.2	24-35 m	1090	-
PCV1	Recall	14.3	24-35 m	218	-
PCV1	Record	60.8	24-35 m	872	-
PCV1	Record or Recall	75	24-35 m	1090	-
PCV1	Record or Recall<12m	74.7	24-35 m	1090	-
PCV3	Recall	8.3	24-35 m	218	-
PCV3	Record	52.9	24-35 m	872	-
PCV3	Record or Recall	61.3	24-35 m	1090	-
PCV3	Record or Recall<12m	60.8	24-35 m	1090	-
POL1	Recall	17	24-35 m	218	-
POL1	Record	79.3	24-35 m	872	-
POL1	Record or Recall	96.3	24-35 m	1090	-
POL1	Record or Recall<12m	96.2	24-35 m	1090	-
POL3	Recall	3.9	24-35 m	218	-
POL3	Record	75.8	24-35 m	872	-
POL3	Record or Recall	79.8	24-35 m	1090	-
POL3	Record or Recall<12m	79.9	24-35 m	1090	-
ROTAC	Recall	11.3	24-35 m	218	-
ROTAC	Record	54.9	24-35 m	872	-
ROTAC	Record or Recall	66.2	24-35 m	1090	-
ROTAC	Record or Recall<12m	65.6	24-35 m	1090	-
YFV	Recall	15.9	24-35 m	218	-
YFV	Record	71.8	24-35 m	872	-
YFV	Record or Recall	87.7	24-35 m	1090	-
YFV	Record or Recall<12m	87	24-35 m	1090	-

## 2011 Ghana EPI Cluster Survey 2012

Vaccine	Confirmation method	Coverage	Age cohort	Sample	Evidence seen
BCG	Record	96.3	12-23 m	300	98
BCG	Record or Recall	99.3	12-23 m	300	98
DTP1	Record	97.8	12-23 m	300	98
DTP1	Record or Recall	99.7	12-23 m	300	98
DTP3	Record	95.3	12-23 m	300	98

DTP3	Record or Recall	97	12-23 m	300	98
HEPB1	Record	97.8	12-23 m	300	98
HEPB1	Record or Recall	99.7	12-23 m	300	98
HEPB3	Record	95.3	12-23 m	300	98
HEPB3	Record or Recall	97	12-23 m	300	98
HIB1	Record	97.8	12-23 m	300	98
HIB1	Record or Recall	99.7	12-23 m	300	98
HIB3	Record	95.3	12-23 m	300	98
HIB3	Record or Recall	97	12-23 m	300	98
MCV1	Record	92	12-23 m	300	98
MCV1	Record or Recall	94	12-23 m	300	98
POL1	Record	97.8	12-23 m	300	98
POL1	Record or Recall	99.7	12-23 m	300	98
POL3	Record	97	12-23 m	300	98
POL3	Record or Recall	97	12-23 m	300	98
YFV	Record	91.3	12-23 m	300	98
YFV	Record or Recall	93.3	12-23 m	300	98

## 2010 Ghana Multiple Indicator Cluster Survey with an Enhanced Malaria Module and Biomarker 2011

Vaccine	Confirmation method	Coverage	Age cohort	Sample	Evidence seen
BCG	Recall	11.7	12-23 m	-	89
BCG	Record	86.4	12-23 m	-	89
BCG	Record or Recall	98.1	12-23 m	1453	89
BCG	Record or Recall<12m	97.8	12-23 m	1453	89
DTP1	Recall	10.8	12-23 m	-	89
DTP1	Record	87.6	12-23 m	-	89
DTP1	Record or Recall	98.4	12-23 m	1453	89
DTP1	Record or Recall<12m	97.7	12-23 m	1453	89
DTP3	Recall	7.6	12-23 m	-	89
DTP3	Record	85.3	12-23 m	-	89
DTP3	Record or Recall	92.9	12-23 m	1453	89
DTP3	Record or Recall<12m	92.1	12-23 m	1453	89
HEPB1	Recall	10.8	12-23 m	-	89
HEPB1	Record	87.6	12-23 m	-	89
HEPB1	Record or Recall	98.4	12-23 m	1453	89
HEPB1	Record or Recall<12m	97.7	12-23 m	1453	89
HEPB3	Recall	7.6	12-23 m	-	89

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HEPB3	Record	85.3	12-23 m	-	89
HEPB3	Record or Recall	92.9	12-23 m	1453	89
HEPB3	Record or Recall<12m	92.1	12-23 m	1453	89
HIB1	Recall	10.8	12-23 m	-	89
HIB1	Record	87.6	12-23 m	-	89
HIB1	Record or Recall	98.4	12-23 m	1453	89
HIB1	Record or Recall<12m	97.7	12-23 m	1453	89
HIB3	Recall	7.6	12-23 m	-	89
HIB3	Record	85.3	12-23 m	-	89
HIB3	Record or Recall	92.9	12-23 m	1453	89
HIB3	Record or Recall<12m	92.1	12-23 m	1453	89
MCV1	Recall	13.1	12-23 m	-	89
MCV1	Record	80.7	12-23 m	-	89
MCV1	Record or Recall	93.7	12-23 m	1453	89
MCV1	Record or Recall<12m	88.5	12-23 m	1453	89
POL1	Recall	11.5	12-23 m	-	89
POL1	Record	87.1	12-23 m	-	89
POL1	Record or Recall	98.6	12-23 m	1453	89
POL1	Record or Recall<12m	98	12-23 m	1453	89
POL3	Recall	6.4	12-23 m	-	89
POL3	Record	84.9	12-23 m	-	89
POL3	Record or Recall	91.2	12-23 m	1453	89
POL3	Record or Recall<12m	90.7	12-23 m	1453	89
YFV	Recall	12.5	12-23 m	-	89
YFV	Record	81.2	12-23 m	-	89
YFV	Record or Recall	93.8	12-23 m	1453	89
YFV	Record or Recall<12m	88.3	12-23 m	1453	89

## 2007 Ghana Demographic and Health Survey 2008

Vaccine	Confirmation method	Coverage	Age cohort	Sample	Evidence seen
BCG	Recall	12.8	12-23 m	552	86
BCG	Record	83	12-23 m	552	86
BCG	Record or Recall	95.8	12-23 m	552	86
BCG	Record or Recall<12m	95.6	12-23 m	552	86
DTP1	Recall	13	12-23 m	552	86
DTP1	Record	85.1	12-23 m	552	86
DTP1	Record or Recall	98	12-23 m	552	86
DTP1	Record or Recall<12m	97.6	12-23 m	552	86

DTP3	Recall	6.8	12-23 m	552	86
DTP3	Record	82	12-23 m	552	86
DTP3	Record or Recall	88.8	12-23 m	552	86
DTP3	Record or Recall<12m	87.7	12-23 m	552	86
MCV1	Recall	10.9	12-23 m	552	86
MCV1	Record	79.3	12-23 m	552	86
MCV1	Record or Recall	90.2	12-23 m	552	86
MCV1	Record or Recall<12m	79.9	12-23 m	552	86
POL1	Recall	12.2	12-23 m	552	86
POL1	Record	85.1	12-23 m	552	86
POL1	Record or Recall	97.2	12-23 m	552	86
POL1	Record or Recall<12m	96.8	12-23 m	552	86
POL3	Recall	5.1	12-23 m	552	86
POL3	Record	81.4	12-23 m	552	86
POL3	Record or Recall	86.4	12-23 m	552	86
POL3	Record or Recall<12m	84.7	12-23 m	552	86
YFV	Recall	10.2	12-23 m	552	86
YFV	Record	78.9	12-23 m	552	86
YFV	Record or Recall	89.1	12-23 m	552	86
YFV	Record or Recall<12m	77.8	12-23 m	552	86

## 2005 Ghana Multiple Indicator Cluster Survey 2006

Vaccine	Confirmation method	Coverage	Age cohort	Sample	Evidence seen
BCG	Recall	10.8	12-23 m	706	85
BCG	Record	83.4	12-23 m	706	85
BCG	Record or Recall	94.3	12-23 m	706	85
BCG	Record or Recall<12m	94.2	12-23 m	706	85
DTP1	Recall	10.2	12-23 m	706	85
DTP1	Record	84	12-23 m	706	85
DTP1	Record or Recall	94.2	12-23 m	706	85
DTP1	Record or Recall<12m	93.8	12-23 m	706	85
DTP3	Recall	5.7	12-23 m	706	85
DTP3	Record	77.8	12-23 m	706	85
DTP3	Record or Recall	83.5	12-23 m	706	85
DTP3	Record or Recall<12m	81.4	12-23 m	706	85
HEPB1	Recall	10.2	12-23 m	706	85
HEPB1	Record	84	12-23 m	706	85
HEPB1	Record or Recall	94.2	12-23 m	706	85

HEPB1	Record or Recall<12m	93.8	12-23 m	706	85
HEPB3	Recall	5.7	12-23 m	706	85
HEPB3	Record	77.8	12-23 m	706	85
HEPB3	Record or Recall	83.5	12-23 m	706	85
HEPB3	Record or Recall<12m	81.4	12-23 m	706	85
HIB1	Recall	10.2	12-23 m	706	85
HIB1	Record	84	12-23 m	706	85
HIB1	Record or Recall	94.2	12-23 m	706	85
HIB1	Record or Recall<12m	93.8	12-23 m	706	85
HIB3	Recall	5.7	12-23 m	706	85
HIB3	Record	77.8	12-23 m	706	85
HIB3	Record or Recall	83.5	12-23 m	706	85
HIB3	Record or Recall<12m	81.4	12-23 m	706	85
MCV1	Recall	10.9	12-23 m	706	85
MCV1	Record	74.5	12-23 m	706	85
MCV1	Record or Recall	85.4	12-23 m	706	85
MCV1	Record or Recall<12m	77.7	12-23 m	706	85
POL1	Recall	12.3	12-23 m	706	85
POL1	Record	83.9	12-23 m	706	85
POL1	Record or Recall	96.2	12-23 m	706	85
POL1	Record or Recall<12m	95.8	12-23 m	706	85
POL3	Recall	6.1	12-23 m	706	85
POL3	Record	76.4	12-23 m	706	85
POL3	Record or Recall	82.4	12-23 m	706	85
POL3	Record or Recall<12m	80.1	12-23 m	706	85
YFV	Recall	10.5	12-23 m	706	85
YFV	Record	73.9	12-23 m	706	85
YFV	Record or Recall	84.4	12-23 m	706	85
YFV	Record or Recall<12m	76.7	12-23 m	706	85

2002 Ghana National Demographic and Health Survey 2003

Vaccine	Confirmation method	Coverage	Age cohort	Sample	Evidence seen
BCG	Recall	12	12-23 m	695	83
BCG	Record	79.2	12-23 m	695	83
BCG	Record or Recall	91.1	12-23 m	695	83
BCG	Record or Recall<12m	90	12-23 m	695	83
DTP1	Recall	10.4	12-23 m	695	83
DTP1	Record	80.5	12-23 m	695	83
DTP1	Record or Recall	90.8	12-23 m	695	83

DTP1	Record or Recall<12m	90	12-23 m	695	83
DTP3	Recall	5	12-23 m	695	83
DTP3	Record	74.5	12-23 m	695	83
DTP3	Record or Recall	79.5	12-23 m	695	83
DTP3	Record or Recall<12m	76.9	12-23 m	695	83
MCV1	Recall	9.2	12-23 m	695	83
MCV1	Record	74	12-23 m	695	83
MCV1	Record or Recall	83.2	12-23 m	695	83
MCV1	Record or Recall<12m	68.8	12-23 m	695	83
POL1	Recall	11.5	12-23 m	695	83
POL1	Record	81.5	12-23 m	695	83
POL1	Record or Recall	93	12-23 m	695	83
POL1	Record or Recall<12m	92.2	12-23 m	695	83
POL3	Recall	4.9	12-23 m	695	83
POL3	Record	74.3	12-23 m	695	83
POL3	Record or Recall	79.2	12-23 m	695	83
POL3	Record or Recall<12m	75.9	12-23 m	695	83
YFV	Recall	8	12-23 m	695	83
YFV	Record	68.6	12-23 m	695	83
YFV	Record or Recall	76.6	12-23 m	695	83
YFV	Record or Recall<12m	58.5	12-23 m	695	83

1997 Ghana Demographic and Health Survey 1998

Vaccine	Confirmation method	Coverage	Age cohort	Sample	Evidence seen
BCG	Record or Recall	84.4	12-23 m	1193	76
BCG	Record or Recall<12m	85.9	12-23 m	1193	76
DTP1	Record or Recall	82.4	12-23 m	1193	76
DTP1	Record or Recall<12m	87.7	12-23 m	1193	76
DTP3	Record or Recall	59.3	12-23 m	1193	76
DTP3	Record or Recall<12m	67.6	12-23 m	1193	76
MCV1	Record or Recall	57.5	12-23 m	1193	76
MCV1	Record or Recall<12m	60.9	12-23 m	1193	76
POL1	Record or Recall	85.2	12-23 m	1193	76
POL1	Record or Recall<12m	89.8	12-23 m	1193	76
POL3	Record or Recall	58.3	12-23 m	1193	76
POL3	Record or Recall<12m	67.1	12-23 m	1193	76
YFV	Record or Recall	39.5	12-23 m	1193	76
YFV	Record or Recall<12m	38.9	12-23 m	1193	76

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