

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 the 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 the available empirical data accurately reflect immunization system performance and those where the data are likely to be compromised and present a misleading view of immunization coverage while jointly estimating the most likely coverage levels for each country.

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. WHO and UNICEF estimates of national infant immunization coverage: methods and processes.

*Burton et al. 2012. A formal representation of the WHO and UNICEF estimates of national immunization coverage: a computational logic approach.

*Brown et al. 2013. An introduction to the grade of confidence used to characterize uncertainty around the WHO and UNICEF estimates of national immunization coverage.

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 12-23 months 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 the period of data collection.

ABBREVIATIONS

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 among countries. For countries utilizing IPV containing vaccine use only, i.e., no recommended dose of OPV, the 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.

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 nor are the data represented in the accompanying graph and data table.

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

HepB3: percentage of surviving infants who received the 3rd dose of hepatitis B containing vaccine following the birth dose.

Hib3: percentage of surviving infants who received the 3rd dose of Haemophilus influenzae type b containing vaccine.

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

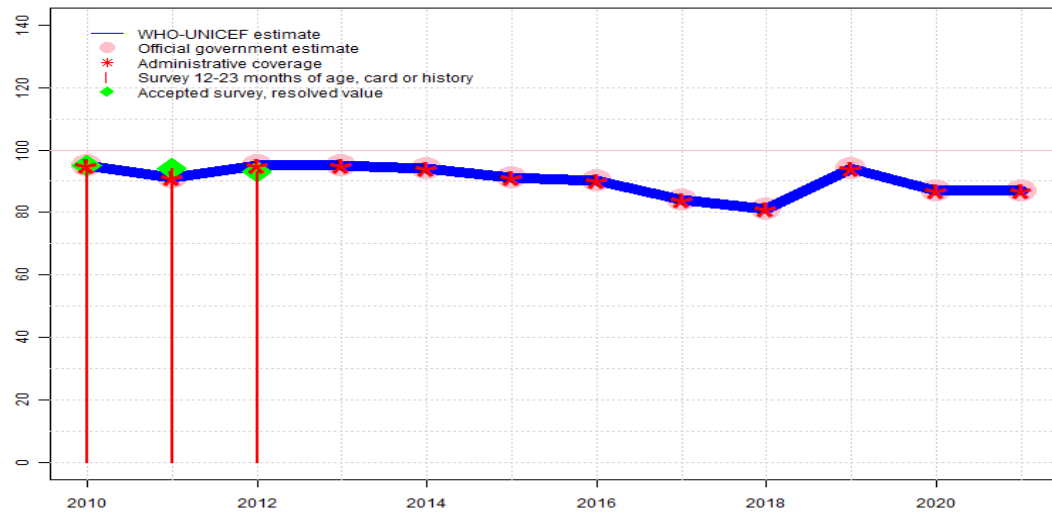
PcV3: percentage of surviving infants who received the 3rd dose of pneumococcal conjugate vaccine. In countries where the national schedule recommends two doses during infancy and a booster dose at 12 months or later based on the epidemiology of disease in the country, coverage estimates may reflect the percentage of surviving infants who received two doses of PcV prior to the 1st birthday.

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.

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Peru - BCG

PER - BCG



Description:

- 2021: Estimate based on coverage reported by national government. No nationally representative household survey within the last 5 years. WHO and UNICEF recommend a high-quality survey to confirm reported levels of coverage. Estimate challenged by: D-
- 2020: Estimate based on coverage reported by national government. Decline in reported coverage is unexplained by country but aligns with COVID-19 pandemic service disruptions. Estimate challenged by: D-
- 2019: Estimate based on coverage reported by national government. Increase in reported coverage is partially due a six percent decrease in the reported target population from 2018 to 2019.. Estimate challenged by: D-
- 2018: Estimate based on coverage reported by national government. GoC=R+ D+
- 2017: Estimate based on coverage reported by national government. GoC=R+ D+
- 2016: Estimate based on coverage reported by national government. GoC=R+ D+
- 2015: Estimate based on coverage reported by national government. GoC=R+ D+
- 2014: Estimate based on coverage reported by national government. GoC=R+ S+ D+
- 2013: Estimate based on coverage reported by national government. The 2014 ENDESA survey reporting coverage for children aged less than 12 months (87 percent of whom had documented evidence of vaccination history), born during 2013, suggests coverage (card+recall) of 91 percent for BCG. GoC=R+ S+ D+
- 2012: Estimate based on coverage reported by national government supported by survey. Survey evidence of 93 percent based on 1 survey(s). GoC=R+ S+ D+
- 2011: Estimate based on coverage reported by national government supported by survey. Survey evidence of 94 percent based on 1 survey(s). GoC=R+ S+ D+
- 2010: Estimate based on coverage reported by national government supported by survey. Survey evidence of 95 percent based on 1 survey(s). GoC=R+ S+ D+

| | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | 2021 |
|----------------|------|------|------|------|------|------|------|------|------|------|------|------|
| Estimate | 95 | 91 | 95 | 95 | 94 | 91 | 90 | 84 | 81 | 94 | 87 | 87 |
| Estimate GoC | ●●● | ●●● | ●●● | ●●● | ●●● | ●● | ●● | ●● | ●● | ● | ● | ● |
| Official | 95 | 91 | 95 | 95 | 94 | 91 | 90 | 84 | 81 | 94 | 87 | 87 |
| Administrative | 95 | 91 | 95 | 95 | 94 | 91 | 90 | 84 | 81 | 94 | 87 | 87 |
| Survey | 95 | 94 | 93 | NA | NA | NA | NA | NA | NA | NA | NA | NA |

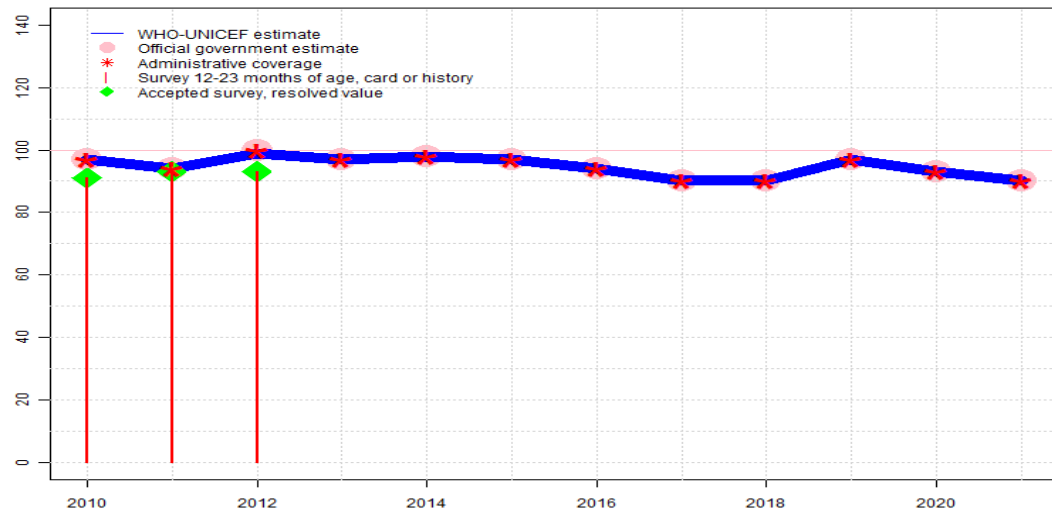
The WHO and UNICEF estimates of national immunization coverage (wuenic) are based on data and information that are of varying, and, in some instances, unknown quality. Beginning with the 2011 revision we describe the grade of confidence (GoC) we have in these estimates. As there is no underlying probability 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: 2022 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.

Peru - DTP1

PER - DTP1



Description:

- 2021: Estimate based on coverage reported by national government. No nationally representative household survey within the last 5 years. WHO and UNICEF recommend a high-quality survey to confirm reported levels of coverage. Estimate challenged by: D-
- 2020: Estimate based on coverage reported by national government. Decline in reported coverage is unexplained by country but aligns with COVID-19 pandemic service disruptions. Estimate challenged by: D-
- 2019: Estimate based on coverage reported by national government. Increase in reported coverage is partially due a six percent decrease in the reported target population from 2018 to 2019. Estimate challenged by: D-
- 2018: Estimate based on coverage reported by national government. GoC=R+ D+
- 2017: Estimate based on coverage reported by national government. GoC=R+ D+
- 2016: Estimate based on coverage reported by national government. GoC=R+ D+
- 2015: Estimate based on coverage reported by national government. GoC=R+ D+
- 2014: Estimate based on coverage reported by national government. GoC=R+ S+ D+
- 2013: Estimate based on coverage reported by national government. The 2014 ENDESA survey reporting coverage for children aged less than 12 months (87 percent of whom had documented evidence of vaccination history), born during 2013, suggests coverage (card+recall) of 89 percent for first dose of DTP-HepB-Hib. GoC=R+ S+ D+
- 2012: Estimate based on coverage reported by national government supported by survey. Survey evidence of 93 percent based on 1 survey(s). GoC=R+ S+ D+
- 2011: Estimate based on coverage reported by national government supported by survey. Survey evidence of 93 percent based on 1 survey(s). GoC=R+ S+ D+
- 2010: Estimate based on coverage reported by national government supported by survey. Survey evidence of 91 percent based on 1 survey(s). Estimate challenged by: S-

| | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | 2021 |
|----------------|------|------|------|------|------|------|------|------|------|------|------|------|
| Estimate | 97 | 94 | 99 | 97 | 98 | 97 | 94 | 90 | 90 | 97 | 93 | 90 |
| Estimate GoC | • | ••• | ••• | ••• | ••• | •• | •• | •• | •• | • | • | • |
| Official | 97 | 94 | 100 | 97 | 98 | 97 | 94 | 90 | 90 | 97 | 93 | 90 |
| Administrative | 97 | 94 | 100 | 97 | 98 | 97 | 94 | 90 | 90 | 97 | 93 | 90 |
| Survey | 91 | 93 | 93 | NA | NA | NA | NA | NA | NA | NA | NA | NA |

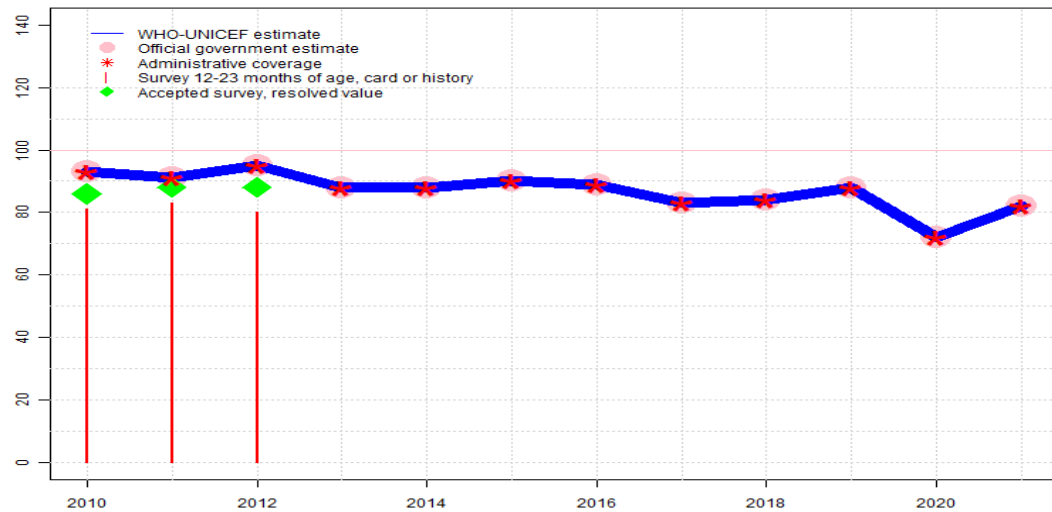
The WHO and UNICEF estimates of national immunization coverage (wuenic) are based on data and information that are of varying, and, in some instances, unknown quality. Beginning with the 2011 revision we describe the grade of confidence (GoC) we have in these estimates. As there is no underlying probability 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: 2022 revision from the UN Population Division (D+), and at least one supporting survey within 2 years [S+]. While well supported, the estimate still carries a risk of being wrong.
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- There are no directly supporting data; or data from at least one source; [R-], [D-], [S-]; challenge the estimate.

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Peru - DTP3

PER - DTP3



| | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | 2021 |
|----------------|------|------|------|------|------|------|------|------|------|------|------|------|
| Estimate | 93 | 91 | 95 | 88 | 88 | 90 | 89 | 83 | 84 | 88 | 72 | 82 |
| Estimate GoC | • | • | ••• | ••• | ••• | •• | •• | •• | •• | • | •• | • |
| Official | 93 | 91 | 95 | 88 | 88 | 90 | 89 | 83 | 84 | 88 | 72 | 82 |
| Administrative | 93 | 91 | 95 | 88 | 88 | 90 | 89 | 83 | 84 | 88 | 72 | 82 |
| Survey | 81 | 83 | 80 | NA | NA | NA | NA | NA | NA | NA | NA | NA |

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: 2022 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.

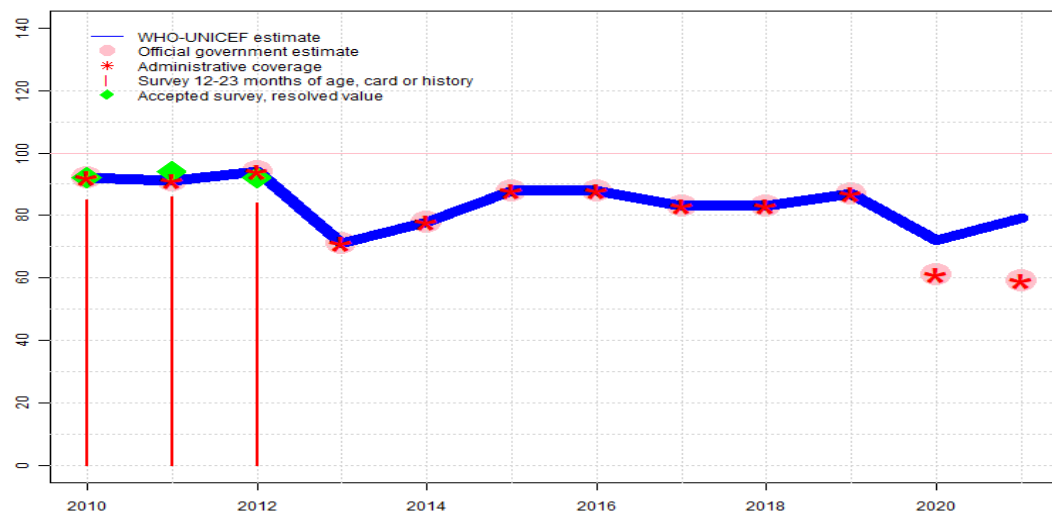
In all cases these estimates should be used with caution and should be assessed in light of the objective for which they are being used.

Description:

- 2021: Estimate based on coverage reported by national government. No nationally representative household survey within the last 5 years. WHO and UNICEF recommend a high-quality survey to confirm reported levels of coverage. Estimate challenged by: D-
- 2020: Estimate based on coverage reported by national government. Decline in reported coverage is unexplained by country but aligns with COVID-19 pandemic service disruptions.. GoC=R+ D+
- 2019: Estimate based on coverage reported by national government. Increase in reported coverage is partially due a six percent decrease in the reported target population from 2018 to 2019. Estimate challenged by: D-
- 2018: Estimate based on coverage reported by national government. GoC=R+ D+
- 2017: Estimate based on coverage reported by national government. GoC=R+ D+
- 2016: Estimate based on coverage reported by national government. GoC=R+ D+
- 2015: Estimate based on coverage reported by national government. GoC=R+ D+
- 2014: Estimate based on coverage reported by national government. Increase in dropout due to multiple factors per EPI review 2014. GoC=R+ S+ D+
- 2013: Estimate based on coverage reported by national government. The 2014 ENDESA survey reporting coverage for children aged less than 12 months (87 percent of whom had documented evidence of vaccination history), born during 2013, suggests coverage (card+recall) of 70 percent modified for recall bias to 72 percent based on 1st dose card or history coverage of 89 percent, 1st dose card only coverage of 82 percent and 3d dose card only coverage of 66 percent. GoC=R+ S+ D+
- 2012: Estimate based on coverage reported by national government supported by survey. Survey evidence of 88 percent based on 1 survey(s). Peru Continuous Demographic and Family Health Survey 2013 card or history results of 80 percent modified for recall bias to 88 percent based on 1st dose card or history coverage of 93 percent, 1st dose card only coverage of 78 percent and 3rd dose card only coverage of 74 percent. GoC=R+ S+ D+
- 2011: Estimate based on coverage reported by national government supported by survey. Survey evidence of 88 percent based on 1 survey(s). Peru Continuous Demographic and Family Health Survey 2012 card or history results of 83 percent modified for recall bias to 88 percent based on 1st dose card or history coverage of 93 percent, 1st dose card only coverage of 80 percent and 3rd dose card only coverage of 76 percent. Estimate challenged by: S-
- 2010: Estimate based on coverage reported by national government supported by survey. Survey evidence of 86 percent based on 1 survey(s). Peru Continuous Demographic and Family Health Survey 2011 card or history results of 81 percent modified for recall bias to 86 percent based on 1st dose card or history coverage of 91 percent, 1st dose card only coverage of 79 percent and 3rd dose card only coverage of 75 percent. Estimate challenged by: S-

Peru - Pol3

PER - Pol3



| | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | 2021 |
|----------------|------|------|------|------|------|------|------|------|------|------|------|------|
| Estimate | 92 | 91 | 94 | 71 | 78 | 88 | 88 | 83 | 83 | 87 | 72 | 79 |
| Estimate GoC | ••• | ••• | ••• | • | • | •• | •• | •• | •• | • | • | • |
| Official | 92 | 91 | 94 | 71 | 78 | 88 | 88 | 83 | 83 | 87 | 61 | 59 |
| Administrative | 92 | 91 | 94 | 71 | 78 | 88 | 88 | 83 | 83 | 87 | 61 | 59 |
| Survey | 85 | 86 | 84 | NA | NA | NA | NA | NA | NA | NA | NA | NA |

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: 2022 revision from the UN Population Division (D+), and at least one supporting survey within 2 years [S+]. While well supported, the estimate still carries a risk of being wrong.
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- There are no directly supporting data; or data from at least one source; [R-], [D-], [S-]; challenge the estimate.

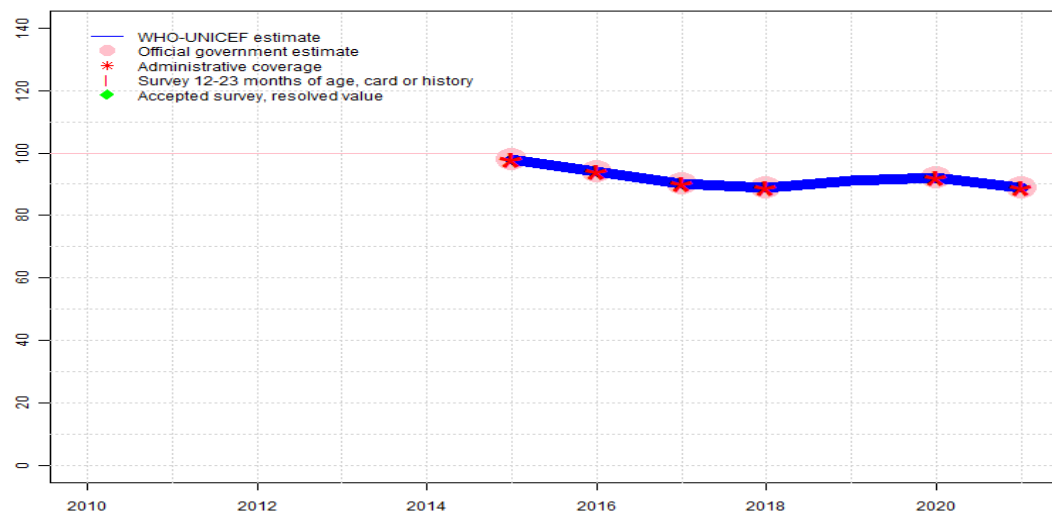
In all cases these estimates should be used with caution and should be assessed in light of the objective for which they are being used.

Description:

- 2021: Estimate is informed by a recalculation of reported numerator for the first dose of oral polio vaccine, which is the third dose of polio vaccine in the schedule, and surviving infants. No nationally representative household survey within the last 5 years. WHO and UNICEF recommend a high-quality survey to confirm reported levels of coverage. Estimate challenged by: D-R-
- 2020: Estimate is informed by a recalculation of reported numerator for the first dose of oral polio vaccine, which is the third dose of polio vaccine in the schedule, and surviving infants. Decline in reported coverage is unexplained by country but aligns with COVID-19 pandemic service disruptions.. Estimate challenged by: D-R-
- 2019: Estimate based on coverage reported by national government. Increase in reported coverage is partially due a six percent decrease in the reported target population from 2018 to 2019. Estimate challenged by: D-
- 2018: Estimate based on coverage reported by national government. GoC=R+ D+
- 2017: Estimate based on coverage reported by national government. GoC=R+ D+
- 2016: Estimate based on coverage reported by national government. GoC=R+ D+
- 2015: Estimate based on coverage reported by national government. GoC=R+ D+
- 2014: Estimate based on coverage reported by national government. Estimate challenged by: D-S-
- 2013: Estimate based on coverage reported by national government. The 2014 ENDESA survey reporting coverage for children aged less than 12 months (87 percent of whom had documented evidence of vaccination history), born during 2013, suggests coverage (card+recall) of 51 percent modified for recall bias to 55 percent based on 1st dose card or history coverage of 81 percent, 1st dose card only coverage of 72 percent and 3d dose card only coverage of 49 percent. In 2013, Peru introduced a sequential schedule with IPV1, IPV2, OPV3, OPV4 and a fifth dose of OPV at 4 years. Decline in reported coverage may also be partly explained by a stock-out of polio vaccine. Estimate challenged by: S-
- 2012: Estimate based on coverage reported by national government supported by survey. Survey evidence of 92 percent based on 1 survey(s). Peru Continuous Demographic and Family Health Survey 2013 card or history results of 84 percent modified for recall bias to 92 percent based on 1st dose card or history coverage of 97 percent, 1st dose card only coverage of 78 percent and 3rd dose card only coverage of 74 percent. GoC=R+ S+ D+
- 2011: Estimate based on coverage reported by national government supported by survey. Survey evidence of 94 percent based on 1 survey(s). Peru Continuous Demographic and Family Health Survey 2012 card or history results of 86 percent modified for recall bias to 94 percent based on 1st dose card or history coverage of 98 percent, 1st dose card only coverage of 80 percent and 3rd dose card only coverage of 77 percent. GoC=R+ S+ D+
- 2010: Estimate based on coverage reported by national government supported by survey. Survey evidence of 92 percent based on 1 survey(s). Peru Continuous Demographic and Family Health Survey 2011 card or history results of 85 percent modified for recall bias to 92 percent based on 1st dose card or history coverage of 97 percent, 1st dose card only coverage of 79 percent and 3rd dose card only coverage of 75 percent. GoC=R+ S+ D+

Peru - IPV1

PER - IPV1



Description:

Estimates for a dose of inactivated polio vaccine (IPV) begin in 2015 following the Global Polio Eradication Initiative's Polio Eradication and Endgame Strategic Plan: 2013-2018 which recommended at least one full dose or two fractional doses of IPV into routine immunization schedules as a strategy to mitigate the potential consequences should any re-emergence of type 2 poliovirus occur following the planned withdrawal of Sabin type 2 strains from oral polio vaccine (OPV).

- 2021: Estimate based on coverage reported by national government. No nationally representative household survey within the last 5 years. WHO and UNICEF recommend a high-quality survey to confirm reported levels of coverage. Estimate challenged by: D-
- 2020: Estimate based on coverage reported by national government. Decline in reported coverage is unexplained by country but aligns with COVID-19 pandemic service disruptions. Estimate challenged by: D-
- 2019: Estimate based on interpolation between reported values. GoC=No accepted empirical data
- 2018: Estimate based on coverage reported by national government. GoC=R+ D+
- 2017: Estimate based on coverage reported by national government. GoC=R+ D+
- 2016: Estimate based on coverage reported by national government. GoC=R+ D+
- 2015: Estimate based on coverage reported by national government. Inactivated polio vaccine was introduced in 2014. Sequential schedule is used with IPV recommended at 2 and 4 month. GoC=R+ D+

| | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | 2021 |
|----------------|------|------|------|------|------|------|------|------|------|------|------|------|
| Estimate | NA | NA | NA | NA | NA | 98 | 94 | 90 | 89 | 91 | 92 | 89 |
| Estimate GoC | NA | NA | NA | NA | NA | •• | •• | •• | •• | • | • | • |
| Official | NA | NA | NA | NA | NA | 98 | 94 | 90 | 89 | NA | 92 | 89 |
| Administrative | NA | NA | NA | NA | NA | 98 | 94 | 90 | 89 | NA | 92 | 89 |
| Survey | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |

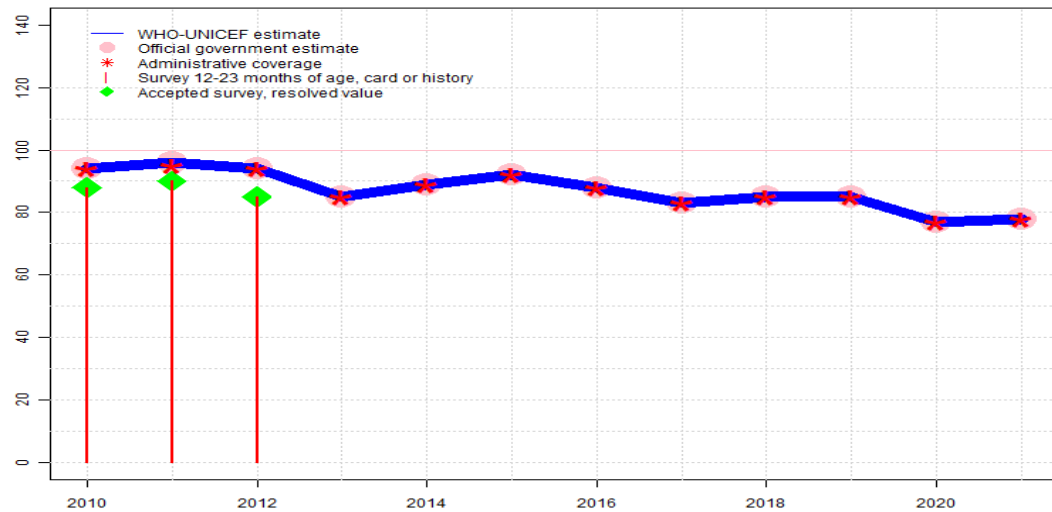
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- There are no directly supporting data; or data from at least one source; [R-], [D-], [S-]; challenge the estimate.

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Peru - MCV1

PER - MCV1



| | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | 2021 |
|----------------|------|------|------|------|------|------|------|------|------|------|------|------|
| Estimate | 94 | 96 | 94 | 85 | 89 | 92 | 88 | 83 | 85 | 85 | 77 | 78 |
| Estimate GoC | • | • | ••• | ••• | ••• | •• | •• | •• | •• | •• | •• | •• |
| Official | 94 | 96 | 94 | 85 | 89 | 92 | 88 | 83 | 85 | 85 | 77 | 78 |
| Administrative | 94 | 95 | 94 | 85 | 89 | 92 | 88 | 83 | 85 | 85 | 77 | 78 |
| Survey | 88 | 90 | 85 | NA | NA | NA | NA | NA | NA | NA | NA | NA |

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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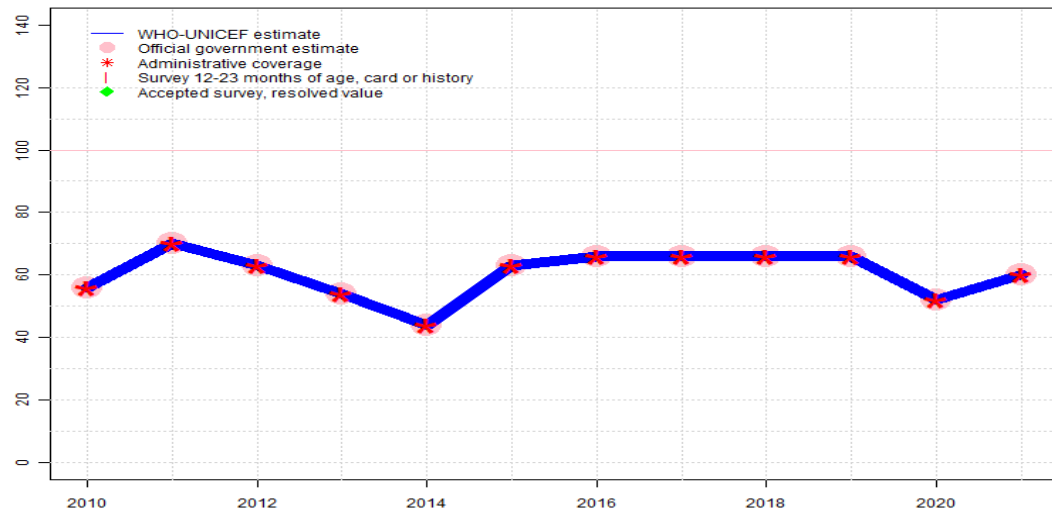
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Description:

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- 2020: Estimate based on coverage reported by national government. Decline in reported coverage is unexplained by country but aligns with COVID-19 pandemic service disruptions. GoC=R+ D+
- 2019: Estimate based on coverage reported by national government. GoC=R+ D+
- 2018: Estimate based on coverage reported by national government. GoC=R+ D+
- 2017: Estimate based on coverage reported by national government. GoC=R+ D+
- 2016: Estimate based on coverage reported by national government. GoC=R+ D+
- 2015: Estimate based on coverage reported by national government. GoC=R+ D+
- 2014: Estimate based on coverage reported by national government. GoC=R+ S+ D+
- 2013: Estimate based on coverage reported by national government. GoC=R+ S+ D+
- 2012: Estimate based on coverage reported by national government supported by survey. Survey evidence of 85 percent based on 1 survey(s). GoC=R+ S+ D+
- 2011: Estimate based on coverage reported by national government supported by survey. Survey evidence of 90 percent based on 1 survey(s). Estimate challenged by: S-
- 2010: Estimate based on coverage reported by national government supported by survey. Survey evidence of 88 percent based on 1 survey(s). Estimate challenged by: S-

Peru - MCV2

PER - MCV2



Description:

Coverage estimates for the second dose of measles containing vaccine are for children by the nationally recommended age.

2021: Estimate based on coverage reported by national government. No nationally representative household survey within the last 5 years. WHO and UNICEF recommend a high-quality survey to confirm reported levels of coverage. GoC=R+ D+

2020: Estimate based on coverage reported by national government. Decline in reported coverage is unexplained by country but aligns with COVID-19 pandemic service disruptions.. GoC=R+ D+

2019: Estimate based on coverage reported by national government. GoC=R+ D+

2018: Estimate based on coverage reported by national government. GoC=R+ D+

2017: Estimate based on coverage reported by national government. GoC=R+ D+

2016: Estimate based on coverage reported by national government. GoC=R+ D+

2015: Estimate based on coverage reported by national government. Increase from previous year can be attributed to full year with the new schedule. GoC=R+ D+

2014: Estimate based on coverage reported by national government. Second dose of measles containing vaccine (MCV2) recommended at age 18 months from 2014. GoC=R+ D+

2013: Estimate based on coverage reported by national government. GoC=R+ D+

2012: Estimate based on coverage reported by national government. GoC=R+ D+

2011: Estimate based on coverage reported by national government. Estimate challenged by: D-

2010: Estimate based on coverage reported by national government. GoC=R+ D+

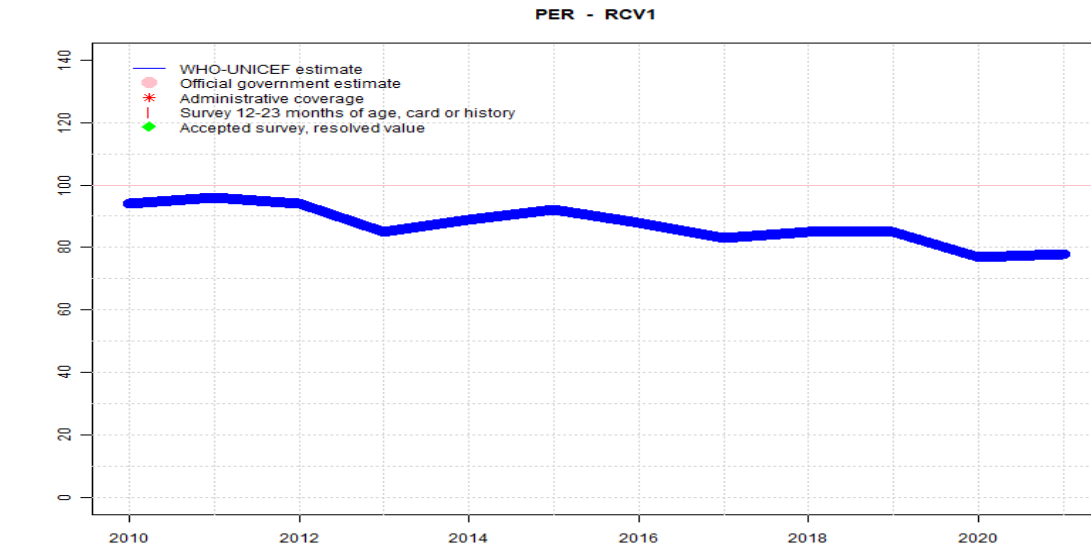
| | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | 2021 |
|----------------|------|------|------|------|------|------|------|------|------|------|------|------|
| Estimate | 56 | 70 | 63 | 54 | 44 | 63 | 66 | 66 | 66 | 66 | 52 | 60 |
| Estimate GoC | ●● | ● | ●● | ●● | ●● | ●● | ●● | ●● | ●● | ●● | ●● | ●● |
| Official | 56 | 70 | 63 | 54 | 44 | 63 | 66 | 66 | 66 | 66 | 52 | 60 |
| Administrative | 56 | 70 | 63 | 54 | 44 | 63 | 66 | 66 | 66 | 66 | 52 | 60 |
| Survey | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |

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: 2022 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.

Peru - RCV1



| | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | 2021 |
|----------------|------|------|------|------|------|------|------|------|------|------|------|------|
| Estimate | 94 | 96 | 94 | 85 | 89 | 92 | 88 | 83 | 85 | 85 | 77 | 78 |
| Estimate GoC | • | • | ••• | ••• | ••• | •• | •• | •• | •• | •• | •• | •• |
| Official | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Administrative | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Survey | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |

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: 2022 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.

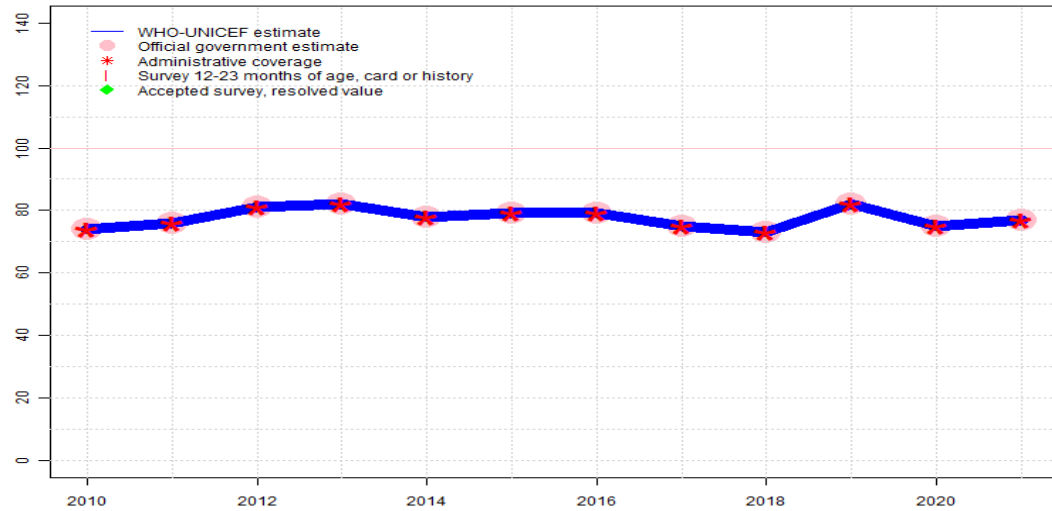
Description:

For this revision, coverage estimates for the first dose of rubella containing vaccine are based on WHO and UNICEF estimates of coverage of measles containing vaccine. Nationally reported coverage of rubella containing vaccine is not taken into consideration nor are they represented in the the accompanying graph and data table.

- 2021: Estimate based on estimated MCV1. No nationally representative household survey within the last 5 years. WHO and UNICEF recommend a high-quality survey to confirm reported levels of coverage. GoC=R+ D+
- 2020: Estimate based on estimated MCV1. Decline in reported coverage is unexplained by country but aligns with COVID-19 pandemic service disruptions. GoC=R+ D+
- 2019: Estimate based on estimated MCV1. GoC=R+ D+
- 2018: Estimate based on estimated MCV1. GoC=R+ D+
- 2017: Estimate based on estimated MCV1. GoC=R+ D+
- 2016: Estimate based on estimated MCV1. GoC=R+ D+
- 2015: Estimate based on estimated MCV1. GoC=R+ D+
- 2014: Estimate based on estimated MCV1. GoC=R+ S+ D+
- 2013: Estimate based on estimated MCV1. GoC=R+ S+ D+
- 2012: Estimate based on estimated MCV1. GoC=R+ S+ D+
- 2011: Estimate based on estimated MCV1. Estimate challenged by: S-
- 2010: Estimate based on estimated MCV1. Estimate challenged by: S-

Peru - HepBB

PER - HepBB



Description:

- 2021: Estimate based on coverage reported by national government. No nationally representative household survey within the last 5 years. WHO and UNICEF recommend a high-quality survey to confirm reported levels of coverage. Estimate challenged by: D-
- 2020: Estimate based on coverage reported by national government. Decline in reported coverage is unexplained by country but aligns with COVID-19 pandemic service disruptions. Estimate challenged by: D-
- 2019: Estimate based on coverage reported by national government. Increase in reported coverage is partially due a six percent decrease in the reported target population from 2018 to 2019. Estimate challenged by: D-
- 2018: Estimate based on coverage reported by national government. GoC=R+ D+
- 2017: Estimate based on coverage reported by national government. GoC=R+ D+
- 2016: Estimate based on coverage reported by national government. GoC=R+ D+
- 2015: Estimate based on coverage reported by national government. GoC=R+ D+
- 2014: Estimate based on coverage reported by national government. GoC=R+ D+
- 2013: Estimate based on coverage reported by national government. GoC=R+ D+
- 2012: Estimate based on coverage reported by national government. GoC=R+ D+
- 2011: Estimate based on coverage reported by national government. GoC=R+ D+
- 2010: Estimate based on coverage reported by national government. GoC=R+ D+

| | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | 2021 |
|----------------|------|------|------|------|------|------|------|------|------|------|------|------|
| Estimate | 74 | 76 | 81 | 82 | 78 | 79 | 79 | 75 | 73 | 82 | 75 | 77 |
| Estimate GoC | •• | •• | •• | •• | •• | •• | •• | •• | •• | • | • | • |
| Official | 74 | 76 | 81 | 82 | 78 | 79 | 79 | 75 | 73 | 82 | 75 | 77 |
| Administrative | 74 | 76 | 81 | 82 | 78 | 79 | 79 | 75 | 73 | 82 | 75 | 77 |
| Survey | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |

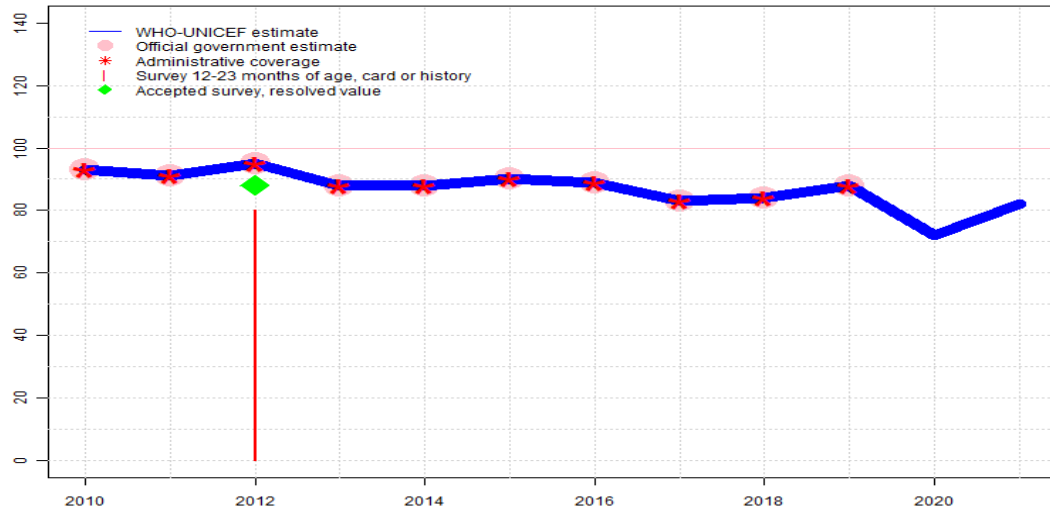
The WHO and UNICEF estimates of national immunization coverage (wuenic) are based on data and information that are of varying, and, in some instances, unknown quality. Beginning with the 2011 revision we describe the grade of confidence (GoC) we have in these estimates. As there is no underlying probability 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: 2022 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.

Peru - HepB3

PER - HepB3



| | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | 2021 |
|----------------|------|------|------|------|------|------|------|------|------|------|------|------|
| Estimate | 93 | 91 | 95 | 88 | 88 | 90 | 89 | 83 | 84 | 88 | 72 | 82 |
| Estimate GoC | ••• | ••• | ••• | ••• | ••• | •• | •• | •• | •• | • | • | • |
| Official | 93 | 91 | 95 | 88 | 88 | 90 | 89 | 83 | 84 | 88 | NA | NA |
| Administrative | 93 | 91 | 95 | 88 | 88 | 90 | 89 | 83 | 84 | 88 | NA | NA |
| Survey | NA | NA | 80 | NA | NA | NA | NA | NA | NA | NA | NA | NA |

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: 2022 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.

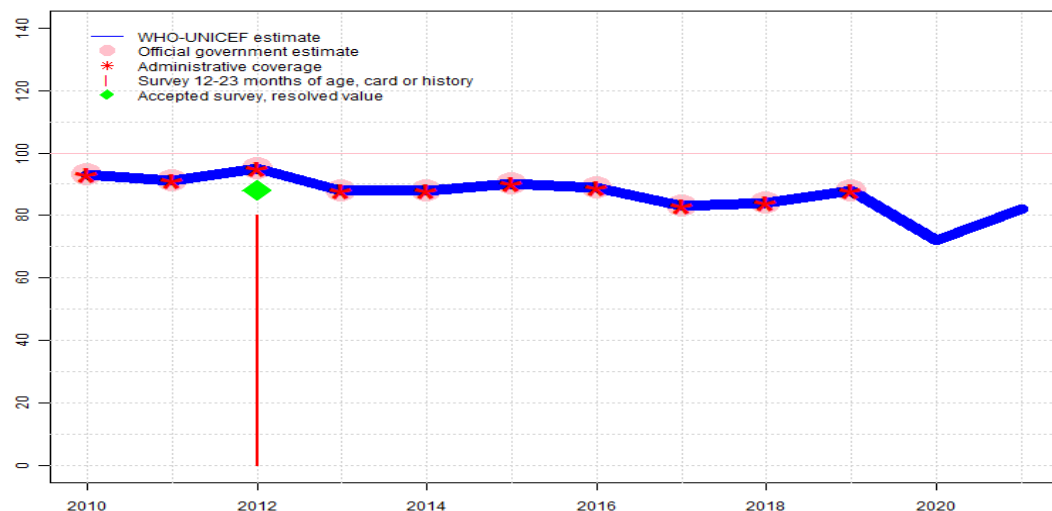
In all cases these estimates should be used with caution and should be assessed in light of the objective for which they are being used.

Description:

- 2021: Estimate based on estimated DTP3 coverage level. No nationally representative household survey within the last 5 years. WHO and UNICEF recommend a high-quality survey to confirm reported levels of coverage. GoC=No accepted empirical data
- 2020: Estimate based on estimated DTP3 coverage level. Decline in reported coverage is unexplained by country but aligns with COVID-19 pandemic service disruptions. GoC=No accepted empirical data
- 2019: Estimate based on coverage reported by national government. Increase in reported coverage is partially due a six percent decrease in the reported target population from 2018 to 2019. Estimate challenged by: D-
- 2018: Estimate based on coverage reported by national government. GoC=R+ D+
- 2017: Estimate based on coverage reported by national government. GoC=R+ D+
- 2016: Estimate based on coverage reported by national government. GoC=R+ D+
- 2015: Estimate based on coverage reported by national government. GoC=R+ D+
- 2014: Estimate based on coverage reported by national government. Increase in dropout due to multiple factors per EPI review 2014. GoC=R+ S+ D+
- 2013: Estimate based on coverage reported by national government. The 2014 ENDESA survey reporting coverage for children aged less than 12 months (87 percent of whom had documented evidence of vaccination history), born during 2013, suggests coverage (card+recall) of 70 percent modified for recall bias to 72 percent based on 1st dose card or history coverage of 89 percent, 1st dose card only coverage of 82 percent and 3d dose card only coverage of 66 percent. GoC=R+ S+ D+
- 2012: Estimate based on coverage reported by national government supported by survey. Survey evidence of 88 percent based on 1 survey(s). Peru Continuous Demographic and Family Health Survey 2013 card or history results of 80 percent modified for recall bias to 88 percent based on 1st dose card or history coverage of 93 percent, 1st dose card only coverage of 78 percent and 3rd dose card only coverage of 74 percent. GoC=R+ S+ D+
- 2011: Estimate based on coverage reported by national government. GoC=R+ S+ D+
- 2010: Estimate based on coverage reported by national government. GoC=R+ S+ D+

Peru - Hib3

PER - Hib3



| | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | 2021 |
|----------------|------|------|------|------|------|------|------|------|------|------|------|------|
| Estimate | 93 | 91 | 95 | 88 | 88 | 90 | 89 | 83 | 84 | 88 | 72 | 82 |
| Estimate GoC | ••• | ••• | ••• | ••• | ••• | •• | •• | •• | •• | • | • | • |
| Official | 93 | 91 | 95 | 88 | 88 | 90 | 89 | 83 | 84 | 88 | NA | NA |
| Administrative | 93 | 91 | 95 | 88 | 88 | 90 | 89 | 83 | 84 | 88 | NA | NA |
| Survey | NA | NA | 80 | NA | NA | NA | NA | NA | NA | NA | NA | NA |

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: 2022 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.

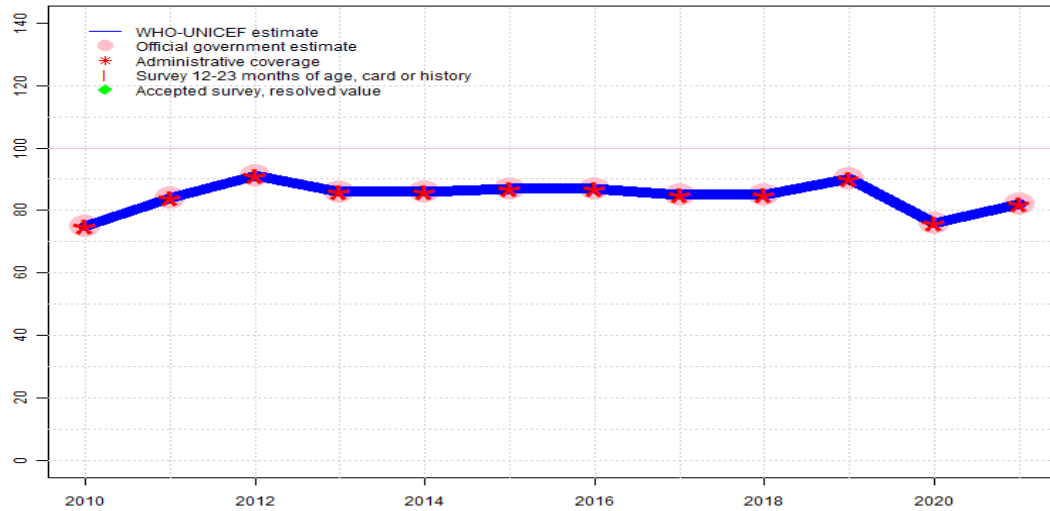
In all cases these estimates should be used with caution and should be assessed in light of the objective for which they are being used.

Description:

- 2021: Estimate based on estimated DTP3 coverage level. No nationally representative household survey within the last 5 years. WHO and UNICEF recommend a high-quality survey to confirm reported levels of coverage. GoC=No accepted empirical data
- 2020: Estimate based on DTP3. Decline in reported coverage is unexplained by country but aligns with COVID-19 pandemic service disruptions. GoC=No accepted empirical data
- 2019: Estimate based on coverage reported by national government. Increase in reported coverage is partially due a six percent decrease in the reported target population from 2018 to 2019. Estimate challenged by: D-
- 2018: Estimate based on coverage reported by national government. GoC=R+ D+
- 2017: Estimate based on coverage reported by national government. GoC=R+ D+
- 2016: Estimate based on coverage reported by national government. GoC=R+ D+
- 2015: Estimate based on coverage reported by national government. GoC=R+ D+
- 2014: Estimate based on coverage reported by national government. Increase in dropout due to multiple factors per EPI review 2014. GoC=R+ S+ D+
- 2013: Estimate based on coverage reported by national government. The 2014 ENDESA survey reporting coverage for children aged less than 12 months (87 percent of whom had documented evidence of vaccination history), born during 2013, suggests coverage (card+recall) of 70 percent modified for recall bias to 72 percent based on 1st dose card or history coverage of 89 percent, 1st dose card only coverage of 82 percent and 3d dose card only coverage of 66 percent. GoC=R+ S+ D+
- 2012: Estimate based on coverage reported by national government supported by survey. Survey evidence of 88 percent based on 1 survey(s). Peru Continuous Demographic and Family Health Survey 2013 card or history results of 80 percent modified for recall bias to 88 percent based on 1st dose card or history coverage of 93 percent, 1st dose card only coverage of 78 percent and 3rd dose card only coverage of 74 percent. GoC=R+ S+ D+
- 2011: Estimate based on coverage reported by national government. GoC=R+ S+ D+
- 2010: Estimate based on coverage reported by national government. GoC=R+ S+ D+

Peru - RotaC

PER - RotaC



Description:

- 2021: Estimate based on coverage reported by national government. No nationally representative household survey within the last 5 years. WHO and UNICEF recommend a high-quality survey to confirm reported levels of coverage. Estimate challenged by: D-
- 2020: Estimate based on coverage reported by national government. Decline in reported coverage is unexplained by country but aligns with COVID-19 pandemic service disruptions.. Estimate challenged by: D-
- 2019: Estimate based on coverage reported by national government. Increase in reported coverage is partially due a six percent decrease in the reported target population from 2018 to 2019. Estimate challenged by: D-
- 2018: Estimate based on coverage reported by national government. GoC=R+ D+
- 2017: Estimate based on coverage reported by national government. GoC=R+ D+
- 2016: Estimate based on coverage reported by national government. GoC=R+ D+
- 2015: Estimate based on coverage reported by national government. GoC=R+ D+
- 2014: Estimate based on coverage reported by national government. GoC=R+ D+
- 2013: Estimate based on coverage reported by national government. GoC=R+ D+
- 2012: Estimate based on coverage reported by national government. GoC=R+ D+
- 2011: Estimate based on coverage reported by national government. GoC=R+ D+
- 2010: Estimate based on coverage reported by national government. GoC=R+ D+

| | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | 2021 |
|----------------|------|------|------|------|------|------|------|------|------|------|------|------|
| Estimate | 75 | 84 | 91 | 86 | 86 | 87 | 87 | 85 | 85 | 90 | 76 | 82 |
| Estimate GoC | •• | •• | •• | •• | •• | •• | •• | •• | •• | • | • | • |
| Official | 75 | 84 | 91 | 86 | 86 | 87 | 87 | 85 | 85 | 90 | 76 | 82 |
| Administrative | 75 | 84 | 91 | 86 | 86 | 87 | 87 | 85 | 85 | 90 | 76 | 82 |
| Survey | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |

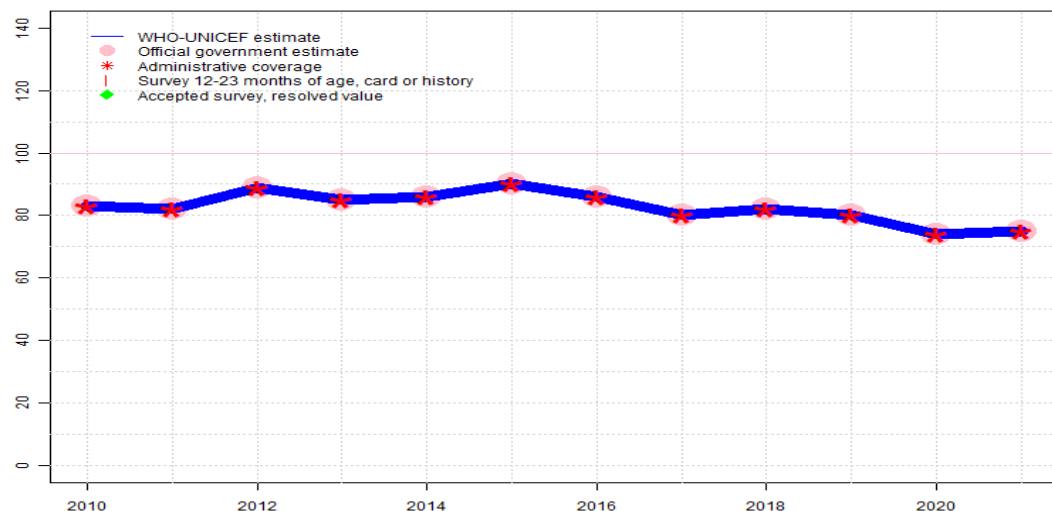
The WHO and UNICEF estimates of national immunization coverage (wuenic) are based on data and information that are of varying, and, in some instances, unknown quality. Beginning with the 2011 revision we describe the grade of confidence (GoC) we have in these estimates. As there is no underlying probability 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: 2022 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.

Peru - PcV3

PER - PcV3



Description:

- 2021: Estimate based on coverage reported by national government. No nationally representative household survey within the last 5 years. WHO and UNICEF recommend a high-quality survey to confirm reported levels of coverage. GoC=R+ D+
- 2020: Estimate based on coverage reported by national government. Decline in reported coverage is unexplained by country but aligns with COVID-19 pandemic service disruptions. GoC=R+ D+
- 2019: Estimate based on coverage reported by national government. GoC=R+ D+
- 2018: Estimate based on coverage reported by national government. GoC=R+ D+
- 2017: Estimate based on coverage reported by national government. GoC=R+ D+
- 2016: Estimate based on coverage reported by national government. GoC=R+ D+
- 2015: Estimate based on coverage reported by national government. GoC=R+ D+
- 2014: Estimate based on coverage reported by national government. GoC=R+ D+
- 2013: Estimate based on coverage reported by national government. GoC=R+ D+
- 2012: Estimate based on coverage reported by national government. GoC=R+ D+
- 2011: Estimate based on coverage reported by national government. GoC=R+
- 2010: Estimate based on coverage reported by national government. GoC=R+ D+

| | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | 2021 |
|----------------|------|------|------|------|------|------|------|------|------|------|------|------|
| Estimate | 83 | 82 | 89 | 85 | 86 | 90 | 86 | 80 | 82 | 80 | 74 | 75 |
| Estimate GoC | •• | •• | •• | •• | •• | •• | •• | •• | •• | •• | •• | •• |
| Official | 83 | 82 | 89 | 85 | 86 | 90 | 86 | 80 | 82 | 80 | 74 | 75 |
| Administrative | 83 | 82 | 89 | 85 | 86 | 90 | 86 | 80 | 82 | 80 | 74 | 75 |
| Survey | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |

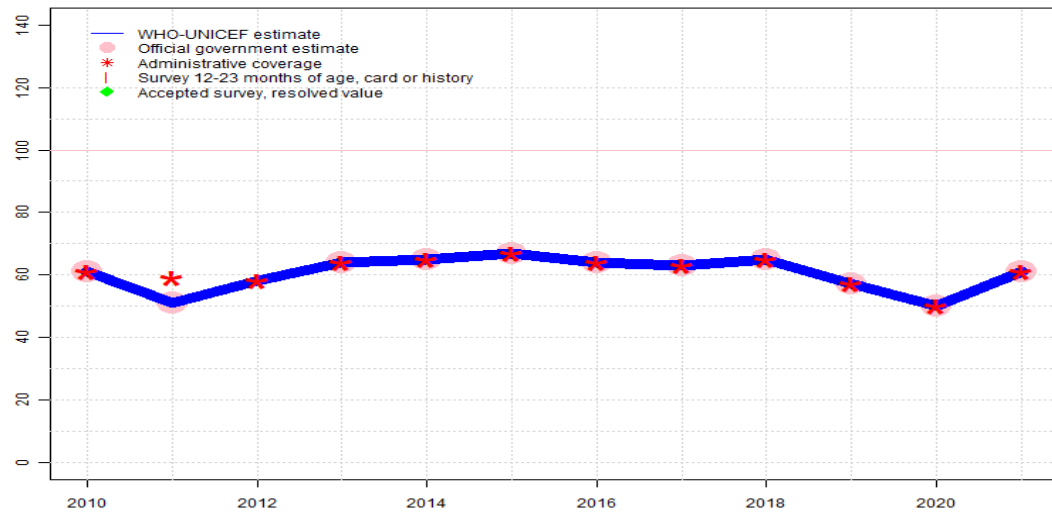
The WHO and UNICEF estimates of national immunization coverage (wuenic) are based on data and information that are of varying, and, in some instances, unknown quality. Beginning with the 2011 revision we describe the grade of confidence (GoC) we have in these estimates. As there is no underlying probability 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: 2022 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.

Peru - YFV

PER - YFV



Description:

- 2021: Estimate based on coverage reported by national government. No nationally representative household survey within the last 5 years. WHO and UNICEF recommend a high-quality survey to confirm reported levels of coverage.. GoC=R+ D+
- 2020: Estimate based on coverage reported by national government. Decline in reported coverage is unexplained by country but aligns with COVID-19 pandemic service disruptions. GoC=R+ D+
- 2019: Estimate based on coverage reported by national government. Programme reports national and subnational vaccine stock-out of unknown duration. GoC=R+ D+
- 2018: Estimate based on coverage reported by national government. GoC=R+ D+
- 2017: Estimate based on coverage reported by national government. GoC=R+ D+
- 2016: Estimate based on coverage reported by national government. GoC=R+ D+
- 2015: Estimate based on coverage reported by national government. GoC=R+ D+
- 2014: Estimate based on coverage reported by national government. GoC=R+ D+
- 2013: Estimate based on coverage reported by national government. GoC=R+ D+
- 2012: Estimate based on reported administrative estimate. GoC=R+ D+
- 2011: Estimate based on coverage reported by national government. GoC=R+ D+
- 2010: Estimate based on coverage reported by national government. GoC=R+ D+

| | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | 2021 |
|----------------|------|------|------|------|------|------|------|------|------|------|------|------|
| Estimate | 61 | 51 | 58 | 64 | 65 | 67 | 64 | 63 | 65 | 57 | 50 | 61 |
| Estimate GoC | •• | •• | •• | •• | •• | •• | •• | •• | •• | •• | •• | •• |
| Official | 61 | 51 | NA | 64 | 65 | 67 | 64 | 63 | 65 | 57 | 50 | 61 |
| Administrative | 61 | 59 | 58 | 64 | 65 | 67 | 64 | 63 | 65 | 57 | 50 | 61 |
| Survey | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |

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: 2022 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.

Peru - survey details

2013 Peru Encuesta Demográfica y de Salud Familiar-ENDES, 2014

| Vaccine | Confirmation method | Coverage | Age cohort | Sample | Cards seen |
|---------|---------------------|----------|------------|--------|------------|
| BCG | C or H <12 months | 91.1 | 0-12 m | 1681 | 87 |
| BCG | Card <12 months | 80.3 | 0-12 m | 1681 | 87 |
| BCG | History | 10.7 | 0-12 m | 1681 | 87 |
| DTP1 | C or H <12 months | 89.2 | 0-12 m | 1681 | 87 |
| DTP1 | Card <12 months | 81.7 | 0-12 m | 1681 | 87 |
| DTP1 | History | 7.6 | 0-12 m | 1681 | 87 |
| DTP3 | C or H <12 months | 69.6 | 0-12 m | 1681 | 87 |
| DTP3 | Card <12 months | 66.1 | 0-12 m | 1681 | 87 |
| DTP3 | History | 3.5 | 0-12 m | 1681 | 87 |
| HepB1 | C or H <12 months | 89.2 | 0-12 m | 1681 | 87 |
| HepB1 | Card <12 months | 81.7 | 0-12 m | 1681 | 87 |
| HepB1 | History | 7.6 | 0-12 m | 1681 | 87 |
| HepB3 | C or H <12 months | 69.6 | 0-12 m | 1681 | 87 |
| HepB3 | Card <12 months | 66.1 | 0-12 m | 1681 | 87 |
| HepB3 | History | 3.5 | 0-12 m | 1681 | 87 |
| Hib1 | C or H <12 months | 89.2 | 0-12 m | 1681 | 87 |
| Hib1 | Card <12 months | 81.7 | 0-12 m | 1681 | 87 |
| Hib1 | History | 7.6 | 0-12 m | 1681 | 87 |
| Hib3 | C or H <12 months | 69.6 | 0-12 m | 1681 | 87 |
| Hib3 | Card <12 months | 66.1 | 0-12 m | 1681 | 87 |
| Hib3 | History | 3.5 | 0-12 m | 1681 | 87 |
| Pol1 | C or H <12 months | 81.1 | 0-12 m | 1681 | 87 |
| Pol1 | Card <12 months | 71.7 | 0-12 m | 1681 | 87 |
| Pol1 | History | 9.3 | 0-12 m | 1681 | 87 |
| Pol3 | C or H <12 months | 51.3 | 0-12 m | 1681 | 87 |
| Pol3 | Card <12 months | 48.8 | 0-12 m | 1681 | 87 |
| Pol3 | History | 2.5 | 0-12 m | 1681 | 87 |

2012 Perú: Encuesta Demográfica y de Salud Familiar - ENDES 2013

| Vaccine | Confirmation method | Coverage | Age cohort | Sample | Cards seen |
|---------|---------------------|----------|------------|--------|------------|
| BCG | C or H <18 months | 93.4 | 18-29 m | 1586 | 79 |
| BCG | Card | 74.1 | 18-29 m | 1254 | 79 |
| BCG | Card or History | 93.4 | 18-29 m | 1586 | 79 |
| BCG | History | 19.3 | 18-29 m | 332 | 79 |

| | | | | | |
|-------|-------------------|------|---------|------|----|
| DTP1 | C or H <18 months | 92.9 | 18-29 m | 1586 | 79 |
| DTP1 | Card | 77.8 | 18-29 m | 1254 | 79 |
| DTP1 | Card or History | 92.9 | 18-29 m | 1586 | 79 |
| DTP1 | History | 15.2 | 18-29 m | 332 | 79 |
| DTP3 | C or H <18 months | 78.6 | 18-29 m | 1586 | 79 |
| DTP3 | Card | 73.5 | 18-29 m | 1254 | 79 |
| DTP3 | Card or History | 80 | 18-29 m | 1586 | 79 |
| DTP3 | History | 6.5 | 18-29 m | 332 | 79 |
| HepB1 | C or H <18 months | 92.9 | 18-29 m | 1586 | 79 |
| HepB1 | Card | 77.8 | 18-29 m | 1254 | 79 |
| HepB1 | Card or History | 92.9 | 18-29 m | 1586 | 79 |
| HepB1 | History | 15.2 | 18-29 m | 332 | 79 |
| HepB3 | C or H <18 months | 78.6 | 18-29 m | 1586 | 79 |
| HepB3 | Card | 73.5 | 18-29 m | 1254 | 79 |
| HepB3 | Card or History | 80 | 18-29 m | 1586 | 79 |
| HepB3 | History | 6.5 | 18-29 m | 332 | 79 |
| Hib1 | C or H <18 months | 92.9 | 18-29 m | 1586 | 79 |
| Hib1 | Card | 77.8 | 18-29 m | 1254 | 79 |
| Hib1 | Card or History | 92.9 | 18-29 m | 1586 | 79 |
| Hib1 | History | 15.2 | 18-29 m | 332 | 79 |
| Hib3 | C or H <18 months | 78.6 | 18-29 m | 1586 | 79 |
| Hib3 | Card | 73.5 | 18-29 m | 1254 | 79 |
| Hib3 | Card or History | 80 | 18-29 m | 1586 | 79 |
| Hib3 | History | 6.5 | 18-29 m | 332 | 79 |
| MCV1 | C or H <18 months | 78.5 | 18-29 m | 1586 | 79 |
| MCV1 | Card | 70.8 | 18-29 m | 1254 | 79 |
| MCV1 | Card or History | 85.1 | 18-29 m | 1586 | 79 |
| MCV1 | History | 14.3 | 18-29 m | 332 | 79 |
| Pol1 | C or H <18 months | 97 | 18-29 m | 1586 | 79 |
| Pol1 | Card | 78.2 | 18-29 m | 1254 | 79 |
| Pol1 | Card or History | 97.1 | 18-29 m | 1586 | 79 |
| Pol1 | History | 18.8 | 18-29 m | 332 | 79 |
| Pol3 | C or H <18 months | 83 | 18-29 m | 1586 | 79 |
| Pol3 | Card | 74.5 | 18-29 m | 1254 | 79 |
| Pol3 | Card or History | 84.1 | 18-29 m | 1586 | 79 |
| Pol3 | History | 9.6 | 18-29 m | 332 | 79 |

2011 Peru Encuesta Demográfica y de Salud Familiar-ENDES, 2014

Peru - survey details

| Vaccine | Confirmation method | Coverage | Age cohort | Sample | Cards seen |
|---------|---------------------|----------|------------|--------|------------|
| BCG | Card or History | 92.2 | 0-36 m | 5213 | 87 |
| DTP1 | Card or History | 92.1 | 0-36 m | 5213 | 87 |
| DTP3 | Card or History | 77.8 | 0-36 m | 5213 | 87 |
| HepB1 | Card or History | 92.1 | 0-36 m | 5213 | 87 |
| HepB3 | Card or History | 77.8 | 0-36 m | 5213 | 87 |
| Hib1 | Card or History | 92.1 | 0-36 m | 5213 | 87 |
| Hib3 | Card or History | 77.8 | 0-36 m | 5213 | 87 |
| MCV1 | Card or History | 79 | 0-36 m | 5213 | 87 |
| Pol1 | Card or History | 92.1 | 0-36 m | 5213 | 87 |
| Pol3 | Card or History | 73.9 | 0-36 m | 5213 | 87 |

2011 Perú: Encuesta Demográfica y de Salud Familiar - ENDES 2012

| Vaccine | Confirmation method | Coverage | Age cohort | Sample | Cards seen |
|---------|---------------------|----------|------------|--------|------------|
| BCG | C or H <18 months | 94.2 | 18-29 m | 1732 | 81 |
| BCG | Card | 76.2 | 18-29 m | 1396 | 81 |
| BCG | Card or History | 94.3 | 18-29 m | 1732 | 81 |
| BCG | History | 18.1 | 18-29 m | 336 | 81 |
| DTP1 | C or H <18 months | 92.2 | 18-29 m | 1732 | 81 |
| DTP1 | Card | 79.7 | 18-29 m | 1396 | 81 |
| DTP1 | Card or History | 92.8 | 18-29 m | 1732 | 81 |
| DTP1 | History | 13.1 | 18-29 m | 336 | 81 |
| DTP3 | C or H <18 months | 82.5 | 18-29 m | 1732 | 81 |
| DTP3 | Card | 76.4 | 18-29 m | 1396 | 81 |
| DTP3 | Card or History | 83.3 | 18-29 m | 1732 | 81 |
| DTP3 | History | 6.9 | 18-29 m | 336 | 81 |
| MCV1 | C or H <18 months | 84.2 | 18-29 m | 1732 | 81 |
| MCV1 | Card | 74.2 | 18-29 m | 1396 | 81 |
| MCV1 | Card or History | 89.5 | 18-29 m | 1732 | 81 |
| MCV1 | History | 15.3 | 18-29 m | 336 | 81 |
| Pol1 | C or H <18 months | 97.4 | 18-29 m | 1732 | 81 |
| Pol1 | Card | 80 | 18-29 m | 1396 | 81 |
| Pol1 | Card or History | 98 | 18-29 m | 1732 | 81 |
| Pol1 | History | 18 | 18-29 m | 336 | 81 |
| Pol3 | C or H <18 months | 85 | 18-29 m | 1732 | 81 |
| Pol3 | Card | 76.6 | 18-29 m | 1396 | 81 |
| Pol3 | Card or History | 86 | 18-29 m | 1732 | 81 |
| Pol3 | History | 9.4 | 18-29 m | 336 | 81 |

2010 Perú: Encuesta Demográfica y de Salud Familiar - ENDES 2011

| Vaccine | Confirmation method | Coverage | Age cohort | Sample | Cards seen |
|---------|---------------------|----------|------------|--------|------------|
| BCG | C or H <18 months | 94.8 | 18-29 m | 1715 | 81 |
| BCG | Card | 76.3 | 18-29 m | 1715 | 81 |
| BCG | Card or History | 94.8 | 18-29 m | 1715 | 81 |
| BCG | History | 18.5 | 18-29 m | 1715 | 81 |
| DTP1 | C or H <18 months | 90.3 | 18-29 m | 1715 | 81 |
| DTP1 | Card | 79.4 | 18-29 m | 1715 | 81 |
| DTP1 | Card or History | 90.6 | 18-29 m | 1715 | 81 |
| DTP1 | History | 11.1 | 18-29 m | 1715 | 81 |
| DTP3 | C or H <18 months | 80.4 | 18-29 m | 1715 | 81 |
| DTP3 | Card | 74.9 | 18-29 m | 1715 | 81 |
| DTP3 | Card or History | 81.4 | 18-29 m | 1715 | 81 |
| DTP3 | History | 6.4 | 18-29 m | 1715 | 81 |
| MCV1 | C or H <18 months | 80.4 | 18-29 m | 1715 | 81 |
| MCV1 | Card | 73.3 | 18-29 m | 1715 | 81 |
| MCV1 | Card or History | 88.3 | 18-29 m | 1715 | 81 |
| MCV1 | History | 15 | 18-29 m | 1715 | 81 |
| Pol1 | C or H <18 months | 96.5 | 18-29 m | 1715 | 81 |
| Pol1 | Card | 78.7 | 18-29 m | 1715 | 81 |
| Pol1 | Card or History | 96.8 | 18-29 m | 1715 | 81 |
| Pol1 | History | 18.1 | 18-29 m | 1715 | 81 |
| Pol3 | C or H <18 months | 83.7 | 18-29 m | 1715 | 81 |
| Pol3 | Card | 75.2 | 18-29 m | 1715 | 81 |
| Pol3 | Card or History | 84.9 | 18-29 m | 1715 | 81 |
| Pol3 | History | 9.7 | 18-29 m | 1715 | 81 |

2009 Perú: Encuesta Demográfica y de Salud Familiar - ENDES Continua, 2010

| Vaccine | Confirmation method | Coverage | Age cohort | Sample | Cards seen |
|---------|---------------------|----------|------------|--------|------------|
| BCG | C or H <18 months | 90 | 18-29 m | 1747 | 76 |
| BCG | Card | 68.2 | 18-29 m | 1747 | 76 |
| BCG | Card or History | 90 | 18-29 m | 1747 | 76 |
| BCG | History | 21.8 | 18-29 m | 1747 | 76 |
| DTP1 | C or H <18 months | 85.4 | 18-29 m | 1747 | 76 |

Peru - survey details

| | | | | | |
|------|-------------------|------|---------|------|----|
| DTP1 | Card | 74.6 | 18-29 m | 1747 | 76 |
| DTP1 | Card or History | 85.9 | 18-29 m | 1747 | 76 |
| DTP1 | History | 11.3 | 18-29 m | 1747 | 76 |
| DTP3 | C or H <18 months | 72.5 | 18-29 m | 1747 | 76 |
| DTP3 | Card | 68.8 | 18-29 m | 1747 | 76 |
| DTP3 | Card or History | 73.7 | 18-29 m | 1747 | 76 |
| DTP3 | History | 5 | 18-29 m | 1747 | 76 |
| MCV1 | C or H <18 months | 77.2 | 18-29 m | 1747 | 76 |
| MCV1 | Card | 65.6 | 18-29 m | 1747 | 76 |
| MCV1 | Card or History | 83.4 | 18-29 m | 1747 | 76 |
| MCV1 | History | 17.8 | 18-29 m | 1747 | 76 |
| Pol1 | C or H <18 months | 91.6 | 18-29 m | 1747 | 76 |
| Pol1 | Card | 73.3 | 18-29 m | 1747 | 76 |
| Pol1 | Card or History | 92 | 18-29 m | 1747 | 76 |
| Pol1 | History | 18.7 | 18-29 m | 1747 | 76 |
| Pol3 | C or H <18 months | 75.3 | 18-29 m | 1747 | 76 |
| Pol3 | Card | 67.3 | 18-29 m | 1747 | 76 |
| Pol3 | Card or History | 76.4 | 18-29 m | 1747 | 76 |
| Pol3 | History | 9 | 18-29 m | 1747 | 76 |

2008 Perú: Encuesta Demográfica y de Salud Familiar - ENDES Continua 2009

| Vaccine | Confirmation method | Coverage | Age cohort | Sample | Cards seen |
|---------|---------------------|----------|------------|--------|------------|
| BCG | C or H <12 months | 93.5 | 18-29 m | 1639 | 66 |
| BCG | Card | 61.3 | 18-29 m | 1639 | 66 |
| BCG | Card or History | 93.7 | 18-29 m | 1639 | 66 |
| BCG | History | 32.3 | 18-29 m | 1639 | 66 |
| DTP1 | C or H <12 months | 95.1 | 18-29 m | 1639 | 66 |
| DTP1 | Card | 64.9 | 18-29 m | 1639 | 66 |
| DTP1 | Card or History | 95.7 | 18-29 m | 1639 | 66 |
| DTP1 | History | 30.8 | 18-29 m | 1639 | 66 |
| DTP3 | C or H <12 months | 71 | 18-29 m | 1639 | 66 |
| DTP3 | Card | 59.6 | 18-29 m | 1639 | 66 |
| DTP3 | Card or History | 72.9 | 18-29 m | 1639 | 66 |
| DTP3 | History | 13.3 | 18-29 m | 1639 | 66 |
| MCV1 | C or H <12 months | 70.5 | 18-29 m | 1639 | 66 |
| MCV1 | Card | 53 | 18-29 m | 1639 | 66 |
| MCV1 | Card or History | 76.1 | 18-29 m | 1639 | 66 |

| | | | | | |
|------|-------------------|------|---------|------|----|
| MCV1 | History | 23.1 | 18-29 m | 1639 | 66 |
| Pol1 | C or H <12 months | 91.8 | 18-29 m | 1639 | 66 |
| Pol1 | Card | 63.3 | 18-29 m | 1639 | 66 |
| Pol1 | Card or History | 92.3 | 18-29 m | 1639 | 66 |
| Pol1 | History | 29.1 | 18-29 m | 1639 | 66 |
| Pol3 | C or H <12 months | 66.6 | 18-29 m | 1639 | 66 |
| Pol3 | Card | 57.8 | 18-29 m | 1639 | 66 |
| Pol3 | Card or History | 67.9 | 18-29 m | 1639 | 66 |
| Pol3 | History | 10.1 | 18-29 m | 1639 | 66 |

2006 Perú: Encuesta Demográfica y de Salud Familiar - ENDES 2007-2008

| Vaccine | Confirmation method | Coverage | Age cohort | Sample | Cards seen |
|---------|---------------------|----------|------------|--------|------------|
| BCG | C or H <18 months | 95.7 | 18-29 m | 1671 | 63 |
| BCG | Card | 60.6 | 18-29 m | 1050 | 63 |
| BCG | Card or History | 95.7 | 18-29 m | 1671 | 63 |
| BCG | History | 35.1 | 18-29 m | 620 | 63 |
| DTP1 | C or H <18 months | 95.9 | 18-29 m | 1671 | 63 |
| DTP1 | Card | 62.2 | 18-29 m | 1050 | 63 |
| DTP1 | Card or History | 96.4 | 18-29 m | 1671 | 63 |
| DTP1 | History | 34.2 | 18-29 m | 620 | 63 |
| DTP3 | C or H <18 months | 75.5 | 18-29 m | 1671 | 63 |
| DTP3 | Card | 57.8 | 18-29 m | 1050 | 63 |
| DTP3 | Card or History | 76.2 | 18-29 m | 1671 | 63 |
| DTP3 | History | 18.4 | 18-29 m | 620 | 63 |
| MCV1 | C or H <18 months | 77.7 | 18-29 m | 1671 | 63 |
| MCV1 | Card | 53.7 | 18-29 m | 1050 | 63 |
| MCV1 | Card or History | 82.8 | 18-29 m | 1671 | 63 |
| MCV1 | History | 29.1 | 18-29 m | 620 | 63 |
| Pol1 | C or H <18 months | 93 | 18-29 m | 1671 | 63 |
| Pol1 | Card | 61.8 | 18-29 m | 1050 | 63 |
| Pol1 | Card or History | 93.5 | 18-29 m | 1671 | 63 |
| Pol1 | History | 31.8 | 18-29 m | 620 | 63 |
| Pol3 | C or H <18 months | 68.7 | 18-29 m | 1671 | 63 |
| Pol3 | Card | 57 | 18-29 m | 1050 | 63 |
| Pol3 | Card or History | 69.1 | 18-29 m | 1671 | 63 |
| Pol3 | History | 12.1 | 18-29 m | 620 | 63 |

Peru - survey details

2005 Perú: Encuesta Demográfica y de Salud Familiar - ENDES 2007-2008

| Vaccine | Confirmation method | Coverage | Age cohort | Sample | Cards seen |
|---------|---------------------|----------|------------|--------|------------|
| BCG | Card or History | 95.2 | 24-35 m | 1653 | 63 |
| DTP1 | Card or History | 95.8 | 24-35 m | 1653 | 63 |
| DTP3 | Card or History | 76.6 | 24-35 m | 1653 | 63 |
| MCV1 | Card or History | 76.8 | 24-35 m | 1653 | 63 |
| Pol1 | Card or History | 92.8 | 24-35 m | 1653 | 63 |
| Pol3 | Card or History | 66 | 24-35 m | 1653 | 63 |

2003 Peru Encuesta Demográfica y de Salud Familiar ENDES Continua 2004-2005

| Vaccine | Confirmation method | Coverage | Age cohort | Sample | Cards seen |
|---------|---------------------|----------|------------|--------|------------|
| BCG | C or H <12 months | 94.7 | 18-29 m | 859 | 68 |
| BCG | Card | 64.6 | 18-29 m | 859 | 68 |
| BCG | Card or History | 95.1 | 18-29 m | 859 | 68 |
| BCG | History | 30.5 | 18-29 m | 859 | 68 |
| DTP1 | C or H <12 months | 96.9 | 18-29 m | 859 | 68 |
| DTP1 | Card | 67.5 | 18-29 m | 859 | 68 |
| DTP1 | Card or History | 97.8 | 18-29 m | 859 | 68 |
| DTP1 | History | 30.3 | 18-29 m | 859 | 68 |
| DTP3 | C or H <12 months | 81.9 | 18-29 m | 859 | 68 |
| DTP3 | Card | 65.6 | 18-29 m | 859 | 68 |
| DTP3 | Card or History | 85.4 | 18-29 m | 859 | 68 |
| DTP3 | History | 19.8 | 18-29 m | 859 | 68 |
| MCV1 | C or H <12 months | 83.2 | 18-29 m | 859 | 68 |
| MCV1 | Card | 60.5 | 18-29 m | 859 | 68 |
| MCV1 | Card or History | 87.4 | 18-29 m | 859 | 68 |
| MCV1 | History | 26.8 | 18-29 m | 859 | 68 |
| Pol1 | C or H <12 months | 96.1 | 18-29 m | 859 | 68 |
| Pol1 | Card | 68 | 18-29 m | 859 | 68 |
| Pol1 | Card or History | 97 | 18-29 m | 859 | 68 |
| Pol1 | History | 28.9 | 18-29 m | 859 | 68 |
| Pol3 | C or H <12 months | 76.4 | 18-29 m | 859 | 68 |
| Pol3 | Card | 65.5 | 18-29 m | 859 | 68 |
| Pol3 | Card or History | 79.2 | 18-29 m | 859 | 68 |
| Pol3 | History | 13.7 | 18-29 m | 859 | 68 |

2003 Perú Encuesta Demográfica y de Salud Familiar, ENDES Continua 2004

| Vaccine | Confirmation method | Coverage | Age cohort | Sample | Cards seen |
|---------|---------------------|----------|------------|--------|------------|
| BCG | C or H <18 months | 94 | 18-29 m | 455 | 67 |
| BCG | Card | 62 | 18-29 m | 455 | 67 |
| BCG | Card or history | 94.5 | 18-29 m | 455 | 67 |
| BCG | History | 32.5 | 18-29 m | 455 | 67 |
| DTP1 | C or H <18 months | 95.8 | 18-29 m | 455 | 67 |
| DTP1 | Card | 65.5 | 18-29 m | 455 | 67 |
| DTP1 | Card or history | 97.2 | 18-29 m | 455 | 67 |
| DTP1 | History | 31.7 | 18-29 m | 455 | 67 |
| DTP3 | C or H <18 months | 82.8 | 18-29 m | 455 | 67 |
| DTP3 | Card | 63.8 | 18-29 m | 455 | 67 |
| DTP3 | Card or history | 86.6 | 18-29 m | 455 | 67 |
| DTP3 | History | 22.9 | 18-29 m | 455 | 67 |
| MCV1 | C or H <18 months | 84.8 | 18-29 m | 455 | 67 |
| MCV1 | Card | 60 | 18-29 m | 455 | 67 |
| MCV1 | Card or history | 90 | 18-29 m | 455 | 67 |
| MCV1 | History | 30 | 18-29 m | 455 | 67 |
| Pol1 | C or H <18 months | 95.6 | 18-29 m | 455 | 67 |
| Pol1 | Card | 66.2 | 18-29 m | 455 | 67 |
| Pol1 | Card or history | 96.9 | 18-29 m | 455 | 67 |
| Pol1 | History | 30.7 | 18-29 m | 455 | 67 |
| Pol3 | C or H <18 months | 77.5 | 18-29 m | 455 | 67 |
| Pol3 | Card | 64.6 | 18-29 m | 455 | 67 |
| Pol3 | Card or history | 81 | 18-29 m | 455 | 67 |
| Pol3 | History | 16.4 | 18-29 m | 455 | 67 |

1999 Peru, Encuesta Demográfica y de Salud Familiar 2000, 2001

| Vaccine | Confirmation method | Coverage | Age cohort | Sample | Cards seen |
|---------|---------------------|----------|------------|--------|------------|
| BCG | Card | 56.6 | 18-29 m | 2353 | 58 |
| BCG | Card or History | 96.2 | 12-23 m | 2353 | 58 |
| BCG | History | 39.6 | 18-29 m | 2353 | 58 |
| DTP1 | Card | 57.7 | 18-29 m | 2353 | 58 |
| DTP1 | Card or History | 96.5 | 12-23 m | 2353 | 58 |

Peru - survey details

| | | | | | | | | | | | |
|------|-----------------|------|---------|------|----|------|-----------------|------|---------|------|----|
| DTP1 | History | 38.8 | 18-29 m | 2353 | 58 | Pol1 | Card | 57.8 | 18-29 m | 2353 | 58 |
| DTP3 | Card | 55.5 | 18-29 m | 2353 | 58 | Pol1 | Card or History | 95.9 | 12-23 m | 2353 | 58 |
| DTP3 | Card or History | 84.7 | 12-23 m | 2353 | 58 | Pol1 | History | 38 | 18-29 m | 2353 | 58 |
| DTP3 | History | 29.1 | 18-29 m | 2353 | 58 | Pol3 | Card | 54.4 | 18-29 m | 2353 | 58 |
| MCV1 | Card | 50.8 | 18-29 m | 2353 | 58 | Pol3 | Card or History | 76.4 | 12-23 m | 2353 | 58 |
| MCV1 | Card or History | 84.4 | 12-23 m | 2353 | 58 | Pol3 | History | 22 | 18-29 m | 2353 | 58 |
| MCV1 | History | 33.6 | 18-29 m | 2353 | 58 | | | | | | |

Further information and estimates for previous years are available at:

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

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