

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

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

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

## DATA SOURCES

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

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

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

## ABBREVIATIONS AND DEFINITIONS

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

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

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

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

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

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

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

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

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

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

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

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

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

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

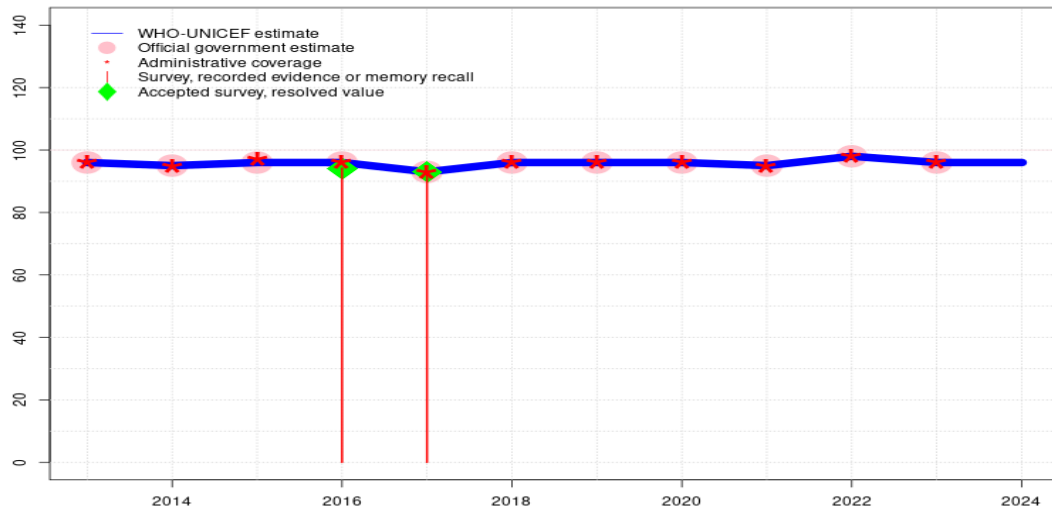
**YFV:** percentage of surviving infants who received one dose of yellow fever vaccine in countries where YFV is part of the national immunization schedule for children or is recommended in at risk areas; coverage estimates are annualized for the entire cohort of surviving infants.

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

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# Türkiye - BCG

TUR - BCG



## Description:

- 2024: Estimate based on extrapolation from data reported by national government. No nationally representative household survey for the most recent 5 annual birth cohorts. WHO and UNICEF recommend a high quality survey to verify reported levels of coverage. GoC=No accepted empirical data
- 2023: Estimate informed by reported data. Estimate of 96 percent changed from previous revision value of 98 percent. Estimate challenged by: D-
- 2022: Estimate informed by reported data. Reported denominator declining rapidly since 2016. Estimated coverage levels likely overestimate actual coverage in the country. GoC=R+ D+
- 2021: Estimate informed by reported data. GoC=R+ D+
- 2020: Estimate informed by reported data. GoC=R+ D+
- 2019: Estimate informed by reported data. GoC=R+ S+ D+
- 2018: Estimate informed by reported data. GoC=R+ S+ D+
- 2017: Estimate informed by reported data supported by survey.Survey evidence of 93 percent based on 1 survey(s). GoC=R+ S+ D+
- 2016: Estimate informed by reported data supported by survey.Survey evidence of 94 percent based on 1 survey(s). GoC=R+ S+ D+
- 2015: Estimate informed by reported data. GoC=R+ S+ D+
- 2014: Estimate informed by reported data. GoC=R+ S+ D+
- 2013: Estimate informed by reported data. GoC=R+ D+

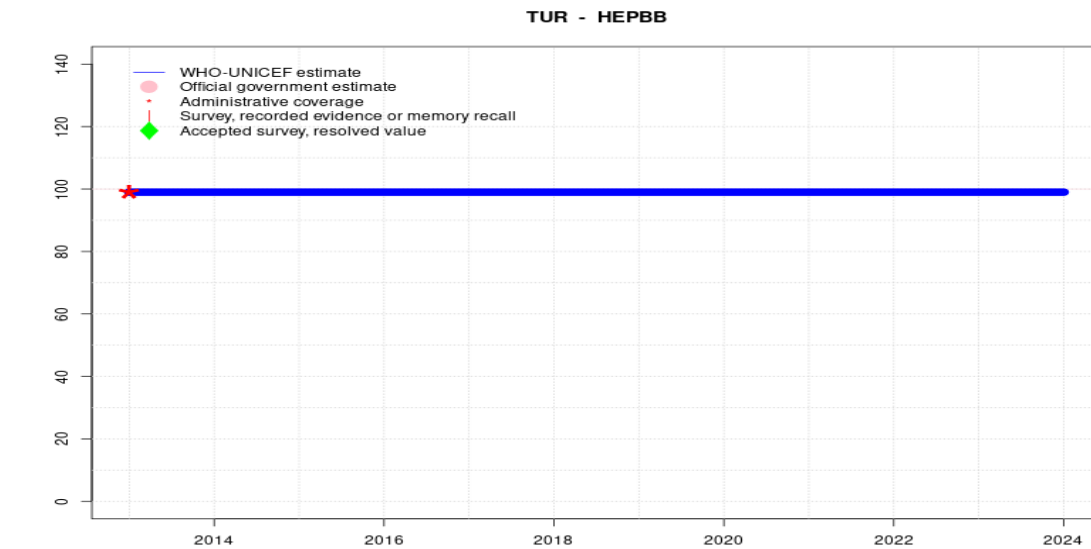
	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024
Estimate	96	95	96	96	93	96	96	96	95	98	96	96
Estimate GoC	●●	●●●	●●●	●●●	●●●	●●●	●●●	●●	●●	●●	●	●
Official	96	95	96	96	93	96	96	96	95	98	96	-
Administrative	96	95	97	96	93	96	96	96	95	98	96	-
Survey	-	-	-	94	93	-	-	-	-	-	-	-

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

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

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

# Türkiye - HEPBB



## Description:

2024: Estimate informed by extrapolation from reported data. No nationally representative household survey for the most recent 5 annual birth cohorts. WHO and UNICEF recommend a high quality survey to verify reported levels of coverage. GoC=No accepted empirical data

2023: Estimate informed by extrapolation from reported data. GoC=No accepted empirical data

2022: Estimate informed by extrapolation from reported data. Reported denominator declining rapidly since 2016. Estimated coverage levels likely overestimate actual coverage in the country. GoC=No accepted empirical data

2021: Estimate informed by extrapolation from reported data. GoC=No accepted empirical data

2020: Estimate informed by extrapolation from reported data. GoC=No accepted empirical data

2019: Estimate informed by extrapolation from reported data. GoC=No accepted empirical data

2018: Estimate informed by extrapolation from reported data. GoC=No accepted empirical data

2017: Estimate informed by extrapolation from reported data. GoC=No accepted empirical data

2016: Estimate informed by extrapolation from reported data. GoC=No accepted empirical data

2015: Estimate informed by extrapolation from reported data. GoC=No accepted empirical data

2014: Estimate informed by extrapolation from reported data. GoC=No accepted empirical data

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

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

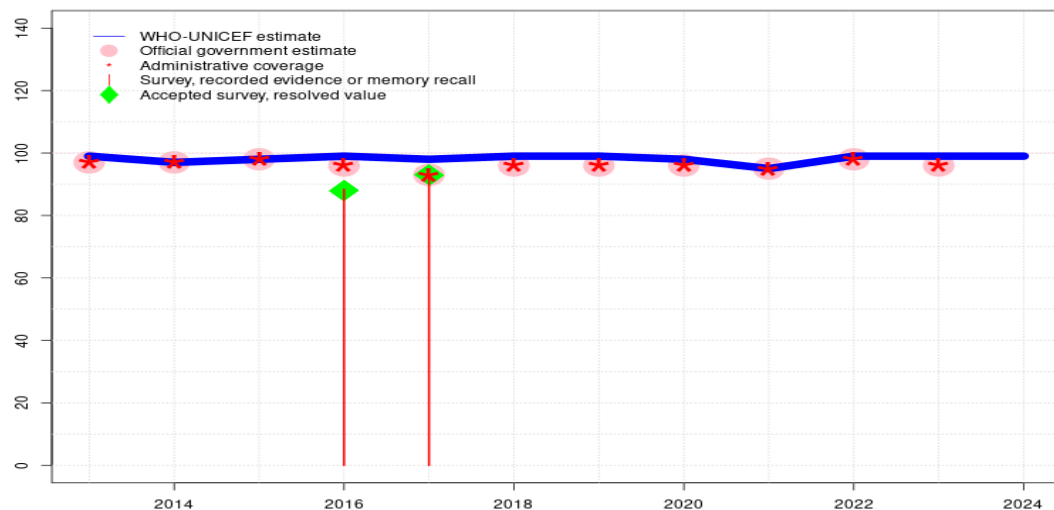
The WHO and UNICEF estimates of national immunization coverage (wuenic) are based on data and information that are of varying, and, in some instances, unknown quality. Beginning with the 2011 revision we describe the grade of confidence (GoC) we have in these estimates. As there is no underlying probability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

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# Türkiye - DTP1

TUR - DTP1



	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024
Estimate	99	97	98	99	98	99	99	98	95	99	99	99
Estimate GoC	●	●●●	●●●	●	●	●	●	●	●●	●	●	●
Official	97	97	98	96	93	96	96	96	95	98	96	-
Administrative	97	97	98	96	93	96	96	96	95	98	96	-
Survey	-	-	-	88	93	-	-	-	-	-	-	-

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

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

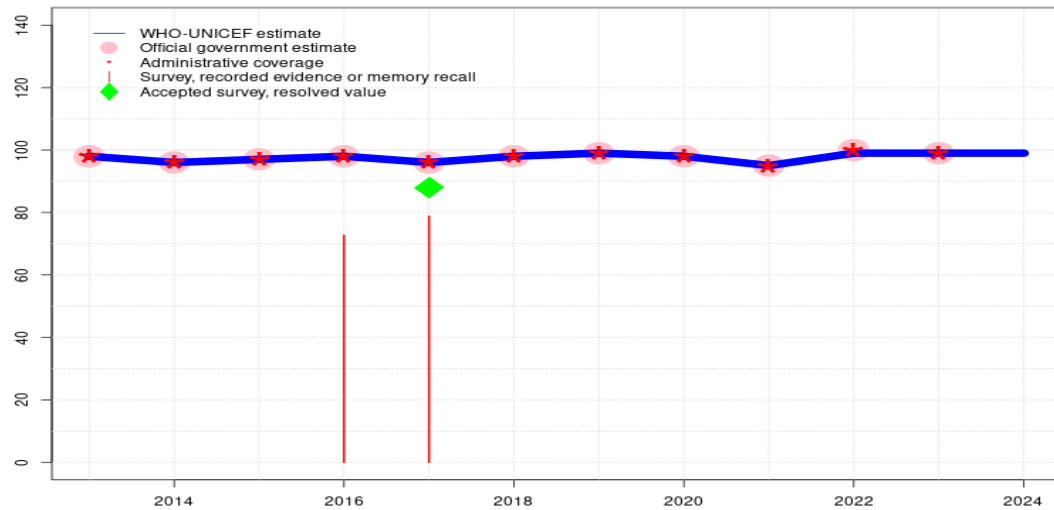
In all cases these estimates should be used with caution and should be assessed in light of the objective for which they are being used.

## Description:

- 2024: Estimate based on DTP3 coverage of 99. No nationally representative household survey for the most recent 5 annual birth cohorts. WHO and UNICEF recommend a high quality survey to verify reported levels of coverage. GoC=No accepted empirical data
- 2023: Estimate based on DTP3 coverage of 99. Estimate challenged by: D-R-
- 2022: Estimate based on DTP3 coverage of 100. Reported denominator declining rapidly since 2016. Estimated coverage levels likely overestimate actual coverage in the country. Estimate challenged by: R-
- 2021: Estimate informed by reported data. GoC=R+ D+
- 2020: Estimate based on DTP3 coverage of 98. Estimate of 98 percent changed from previous revision value of 99 percent. Estimate challenged by: R-
- 2019: Estimate based on DTP3 coverage of 99. Estimate challenged by: D-R-
- 2018: Estimate informed by estimated DTP3 coverage adjusted for dropout. Estimate challenged by: D-R-S-
- 2017: Estimate informed by estimated DTP3 coverage adjusted for dropout. Estimate challenged by: D-R-
- 2016: Estimate informed by estimated DTP3 coverage adjusted for dropout. Estimate challenged by: R-S-
- 2015: Estimate informed by reported data. GoC=R+ S+ D+
- 2014: Estimate informed by reported data. GoC=R+ S+ D+
- 2013: Estimate informed by estimated DTP3 coverage adjusted for dropout. Estimate challenged by: R-

# Türkiye - DTP3

TUR - DTP3



	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024
Estimate	98	96	97	98	96	98	99	98	95	99	99	99
Estimate GoC	●●	●●	●●●	●●●	●●●	●●●	●	●●	●●	●●	●●	●
Official	98	96	97	98	96	98	99	98	95	100	99	-
Administrative	98	96	97	98	96	98	99	98	95	100	99	-
Survey	-	-	-	73	79	-	-	-	-	-	-	-

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

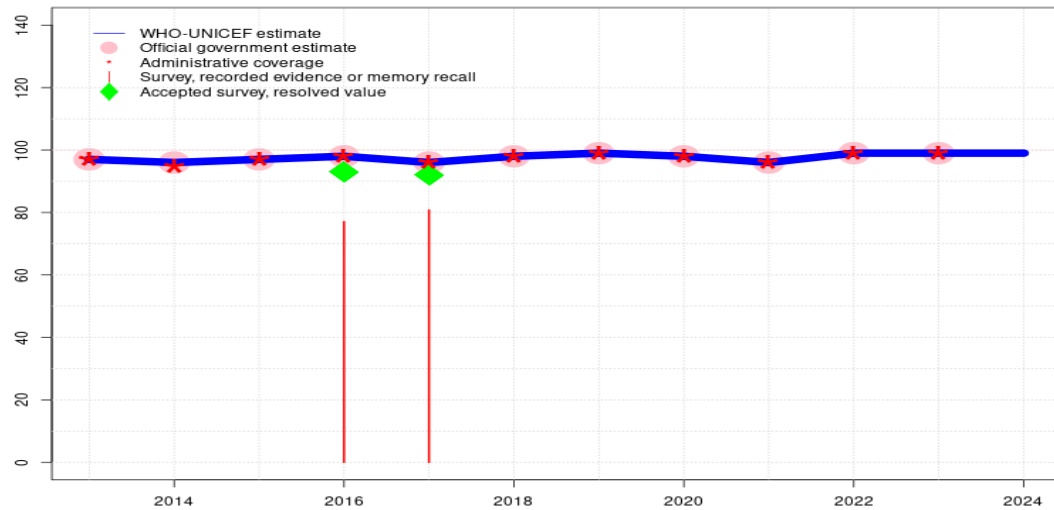
In all cases these estimates should be used with caution and should be assessed in light of the objective for which they are being used.

## Description:

- 2024: Estimate based on extrapolation from data reported by national government. No nationally representative household survey for the most recent 5 annual birth cohorts. WHO and UNICEF recommend a high quality survey to verify reported levels of coverage. GoC=No accepted empirical data
- 2023: Estimate informed by reported data. GoC=R+ D+
- 2022: Estimate informed by reported data. Reported denominator declining rapidly since 2016. Estimated coverage levels likely overestimate actual coverage in the country. GoC=R+ D+
- 2021: Estimate informed by reported data. GoC=R+ D+
- 2020: Estimate informed by reported data. GoC=R+ D+
- 2019: Estimate informed by reported data. Estimate challenged by: S-
- 2018: Estimate informed by reported data. GoC=R+ S+ D+
- 2017: Estimate informed by reported data supported by survey. Survey evidence of 88 percent based on 1 survey(s). Turkey Demographic and Health Survey 2018 record or recall results of 79 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 69 percent and 3rd dose record only coverage of 65 percent. GoC=R+ S+ D+
- 2016: Estimate informed by reported data. Turkey Demographic and Health Survey 2018 results ignored by working group. Cards available for older cohort is 53 percent. Results ignored for consistency with younger cohort and other vaccine-doses. Turkey Demographic and Health Survey 2018 record or recall results of 73 percent modified for recall bias to 86 percent based on 1st dose record or recall coverage of 88 percent, 1st dose record only coverage of 53 percent and 3rd dose record only coverage of 52 percent. GoC=R+ S+ D+
- 2015: Estimate informed by reported data. GoC=R+ S+ D+
- 2014: Estimate informed by reported data. GoC=R+ D+
- 2013: Estimate informed by reported data. GoC=R+ D+

# Türkiye - HEPB3

TUR - HEPB3



## Description:

- 2024: Estimate based on extrapolation from data reported by national government. No nationally representative household survey for the most recent 5 annual birth cohorts. WHO and UNICEF recommend a high quality survey to verify reported levels of coverage. GoC=No accepted empirical data
- 2023: Estimate informed by reported data. GoC=R+ D+
- 2022: Estimate informed by reported data. Reported denominator declining rapidly since 2016. Estimated coverage levels likely overestimate actual coverage in the country. GoC=R+ D+
- 2021: Estimate informed by reported data. GoC=R+ D+
- 2020: Estimate informed by reported data. GoC=R+ D+
- 2019: Estimate informed by reported data. GoC=R+ S+ D+
- 2018: Estimate informed by reported data. GoC=R+ S+ D+
- 2017: Estimate informed by reported data supported by survey. Survey evidence of 92 percent based on 1 survey(s). Turkey Demographic and Health Survey 2018 record or recall results of 81 percent modified for recall bias to 92 percent based on 1st dose record or recall coverage of 96 percent, 1st dose record only coverage of 69 percent and 3rd dose record only coverage of 66 percent. GoC=R+ S+ D+
- 2016: Estimate informed by reported data supported by survey. Survey evidence of 93 percent based on 1 survey(s). Turkey Demographic and Health Survey 2018 record or recall results of 77 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 53 percent and 3rd dose record only coverage of 52 percent. GoC=R+ S+ D+
- 2015: Estimate informed by reported data. GoC=R+ S+ D+
- 2014: Estimate informed by reported data. GoC=R+ S+ D+
- 2013: Estimate informed by reported data. GoC=R+ D+

	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024
Estimate	97	96	97	98	96	98	99	98	96	99	99	99
Estimate GoC	●●	●●●	●●●	●●●	●●●	●●●	●●●	●●	●●	●●	●●	●
Official	97	96	97	98	96	98	99	98	96	99	99	-
Administrative	97	95	97	98	96	98	99	98	96	99	99	-
Survey	-	-	-	77	81	-	-	-	-	-	-	-

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

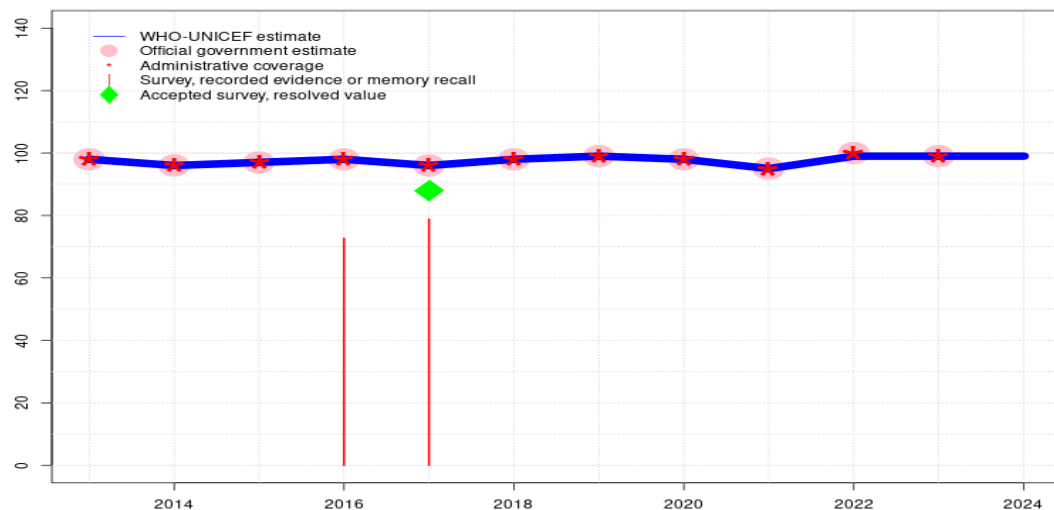
- Estimate is supported by reported data [R+], coverage recalculated with an independent denominator from the World Population Prospects: 2024 revision from the UN Population Division (D+), and at least one supporting survey within 2 years [S+]. While well supported, the estimate still carries a risk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

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# Türkiye - HIB3

TUR - HIB3



	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024
Estimate	98	96	97	98	96	98	99	98	95	99	99	99
Estimate GoC	••	••	•••	•••	•••	•••	•	••	••	••	••	•
Official	98	96	97	98	96	98	99	98	95	100	99	-
Administrative	98	96	97	98	96	98	99	98	95	100	99	-
Survey	-	-	-	73	79	-	-	-	-	-	-	-

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.

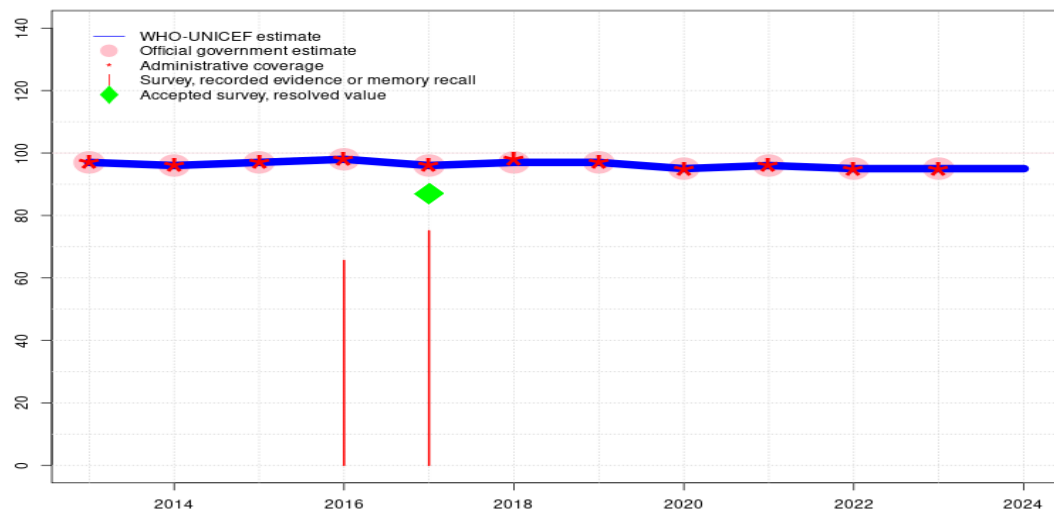
## Description:

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- 2023: Estimate informed by reported data. GoC=R+ D+
- 2022: Estimate informed by reported data. Reported denominator declining rapidly since 2016. Estimated coverage levels likely overestimate actual coverage in the country. GoC=R+ D+
- 2021: Estimate informed by reported data. GoC=R+ D+
- 2020: Estimate informed by reported data. GoC=R+ D+
- 2019: Estimate informed by reported data. Estimate challenged by: S-
- 2018: Estimate informed by reported data. GoC=R+ S+ D+
- 2017: Estimate informed by reported data supported by survey. Survey evidence of 88 percent based on 1 survey(s). Turkey Demographic and Health Survey 2018 record or recall results of 79 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 69 percent and 3rd dose record only coverage of 65 percent. GoC=R+ S+ D+
- 2016: Estimate informed by reported data. Turkey Demographic and Health Survey 2018 results ignored by working group. Cards available for older cohort is 53 percent. Results ignored for consistency with younger cohort and other vaccine-doses. Turkey Demographic and Health Survey 2018 record or recall results of 73 percent modified for recall bias to 86 percent based on 1st dose record or recall coverage of 88 percent, 1st dose record only coverage of 53 percent and 3rd dose record only coverage of 52 percent. GoC=R+ S+ D+
- 2015: Estimate informed by reported data. GoC=R+ S+ D+
- 2014: Estimate informed by reported data. GoC=R+ D+
- 2013: Estimate informed by reported data. GoC=R+ D+



# Türkiye - PCV3

TUR - PCV3



	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024
Estimate	97	96	97	98	96	97	97	95	96	95	95	95
Estimate GoC	••	••	•••	•	•••	•••	•••	••	••	••	••	•
Official	97	96	97	98	96	97	97	95	96	95	95	-
Administrative	97	96	97	98	96	98	97	95	96	95	95	-
Survey	-	-	-	66	75	-	-	-	-	-	-	-

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

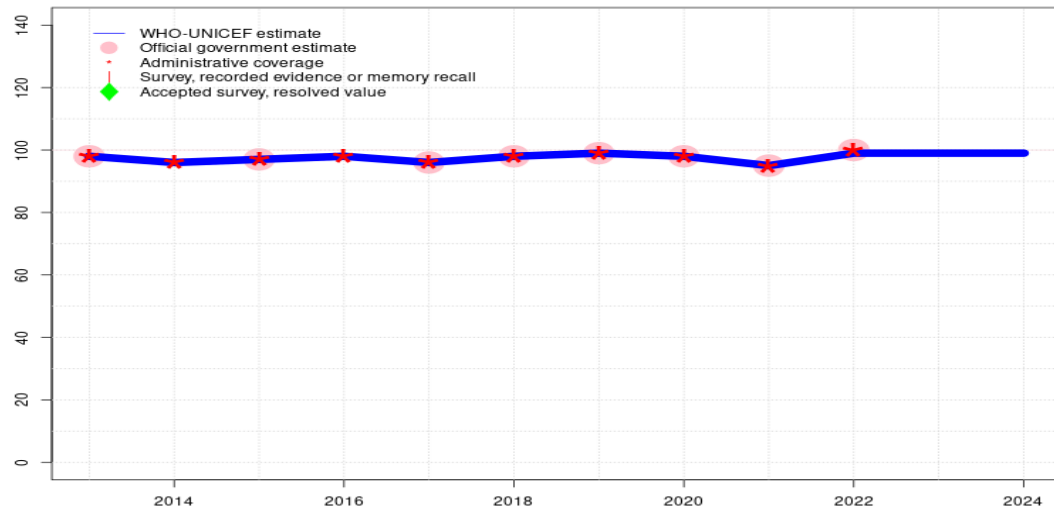
In all cases these estimates should be used with caution and should be assessed in light of the objective for which they are being used.

## Description:

- 2024: Estimate based on extrapolation from data reported by national government. No nationally representative household survey for the most recent 5 annual birth cohorts. WHO and UNICEF recommend a high quality survey to verify reported levels of coverage. GoC=No accepted empirical data
- 2023: Estimate informed by reported data. GoC=R+ D+
- 2022: Estimate informed by reported data. Reported denominator declining rapidly since 2016. Estimated coverage levels likely overestimate actual coverage in the country. GoC=R+ D+
- 2021: Estimate informed by reported data. GoC=R+ D+
- 2020: Estimate informed by reported data. GoC=R+ D+
- 2019: Estimate informed by reported data. GoC=R+ S+ D+
- 2018: Estimate informed by reported data. GoC=R+ S+ D+
- 2017: Estimate informed by reported data supported by survey. Survey evidence of 87 percent based on 1 survey(s). Turkey Demographic and Health Survey 2018 record or recall results of 75 percent modified for recall bias to 87 percent based on 1st dose record or recall coverage of 91 percent, 1st dose record only coverage of 68 percent and 3rd dose record only coverage of 65 percent. GoC=R+ S+ D+
- 2016: Estimate informed by reported data. Turkey Demographic and Health Survey 2018 results ignored by working group. Cards available for older cohort is 53 percent. Results ignored for consistency with younger cohort and other vaccine-doses. Turkey Demographic and Health Survey 2018 record or recall results of 66 percent modified for recall bias to 87 percent based on 1st dose record or recall coverage of 89 percent, 1st dose record only coverage of 52 percent and 3rd dose record only coverage of 51 percent. Estimate challenged by: S-
- 2015: Estimate informed by reported data. GoC=R+ S+ D+
- 2014: Estimate informed by reported data. GoC=R+ D+
- 2013: Estimate informed by reported data. GoC=R+ D+

# Türkiye - POL3

TUR - POL3



## Description:

- 2024: Estimate based on extrapolation from data reported by national government. No nationally representative household survey for the most recent 5 annual birth cohorts. WHO and UNICEF recommend a high quality survey to verify reported levels of coverage. GoC=No accepted empirical data
- 2023: Estimate based on extrapolation from data reported by national government. GoC=No accepted empirical data
- 2022: Estimate informed by reported data. Reported denominator declining rapidly since 2016. Estimated coverage levels likely overestimate actual coverage in the country. GoC=R+ D+
- 2021: Estimate informed by reported data. GoC=R+ D+
- 2020: Estimate informed by reported data. GoC=R+ D+
- 2019: Estimate informed by reported data. GoC=R+ D+
- 2018: Estimate informed by reported data. GoC=R+ D+
- 2017: Estimate informed by reported data. GoC=R+ D+
- 2016: Estimate informed by reported administrative data. GoC=R+ D+
- 2015: Estimate informed by reported data. GoC=R+ D+
- 2014: Estimate informed by reported administrative data. GoC=R+ D+
- 2013: Estimate informed by reported data. GoC=R+ D+

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

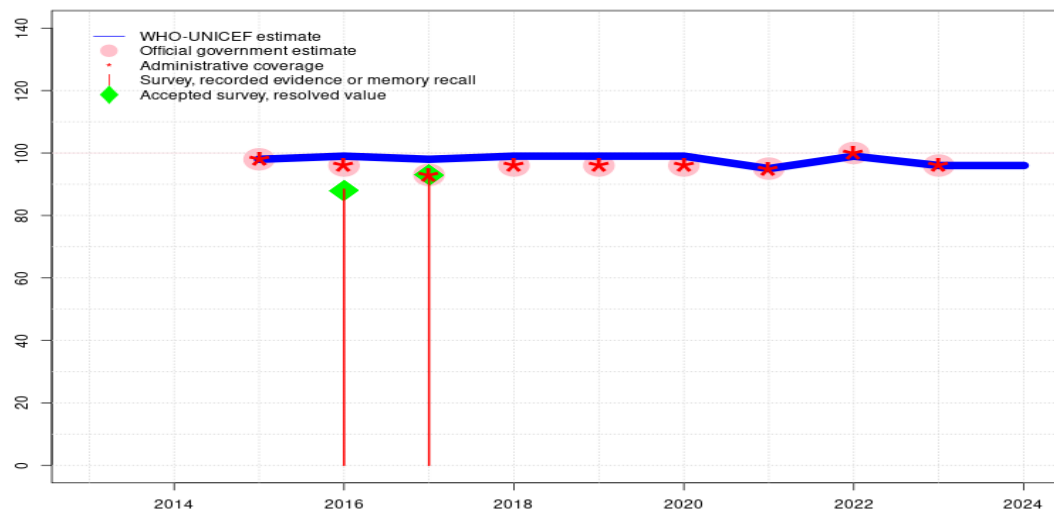
The WHO and UNICEF estimates of national immunization coverage (wuenic) are based on data and information that are of varying, and, in some instances, unknown quality. Beginning with the 2011 revision we describe the grade of confidence (GoC) we have in these estimates. As there is no underlying probability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

# Türkiye - IPV1

TUR - IPV1



	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024
Estimate	-	-	98	99	98	99	99	99	95	99	96	96
Estimate GoC	-	-	•	•	•	•	•	•	••	••	••	•
Official	-	-	98	96	93	96	96	96	95	100	96	-
Administrative	-	-	98	96	93	96	96	96	95	100	96	-
Survey	-	-	-	88	93	-	-	-	-	-	-	-

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

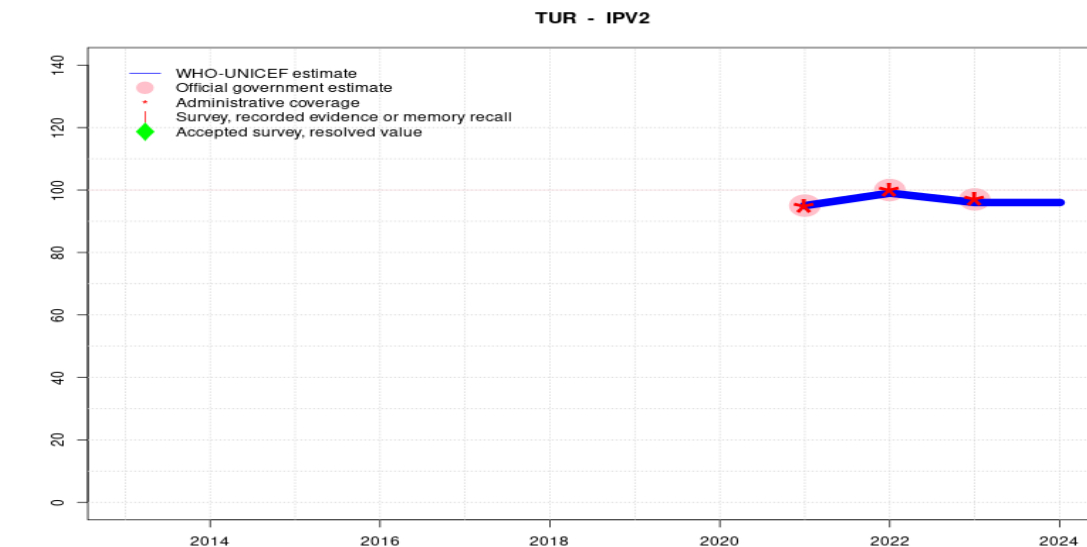
- Estimate is supported by reported data [R+], coverage recalculated with an independent denominator from the World Population Prospects: 2024 revision from the UN Population Division (D+), and at least one supporting survey within 2 years [S+]. While well supported, the estimate still carries a risk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

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

## Description:

- 2024: Estimate based on extrapolation from data reported by national government. No nationally representative household survey for the most recent 5 annual birth cohorts. WHO and UNICEF recommend a high quality survey to verify reported levels of coverage. GoC=No accepted empirical data
- 2023: Estimate informed by reported data. Estimate of 96 percent changed from previous revision value of 99 percent. GoC=R+ D+
- 2022: Estimate informed by reported data. Reported denominator declining rapidly since 2016. Estimated coverage levels likely overestimate actual coverage in the country. GoC=R+ D+
- 2021: Estimate informed by reported data. GoC=R+ D+
- 2020: Estimate informed by estimated coverage for DTP1 based on vaccine presentation. Estimate challenged by: R-
- 2019: Estimate informed by estimated coverage for DTP1 based on vaccine presentation. Estimate challenged by: D-R-
- 2018: Estimate informed by estimated coverage for DTP1 based on vaccine presentation. Estimate challenged by: D-R-S-
- 2017: Estimate informed by estimated coverage for DTP1 based on vaccine presentation. Estimate challenged by: D-R-
- 2016: Estimate informed by estimated coverage for DTP1 based on vaccine presentation. Estimate challenged by: R-S-
- 2015: Inactivated polio vaccine introduced in sequential schedule as a combination of DTP-Hib-IPV vaccine in 2008. Estimate informed by DTP1 coverage. Estimate challenged by: R-

# Türkiye - IPV2



## Description:

- 2024: Estimate based on prior year estimate. No nationally representative household survey for the most recent 5 annual birth cohorts. WHO and UNICEF recommend a high quality survey to verify reported levels of coverage. GoC=No accepted empirical data
- 2023: Estimate based on IPV1 estimated coverage. Estimate of 96 percent changed from previous revision value of 99 percent. Estimate challenged by: R-
- 2022: Estimate informed by reported data. Reported denominator declining rapidly since 2016. Estimated coverage levels likely overestimate actual coverage in the country. GoC=R+ D+
- 2021: Estimate informed by reported data. Second dose of inactivated polio vaccine introduced prior to 2021. GoC=R+ D+

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

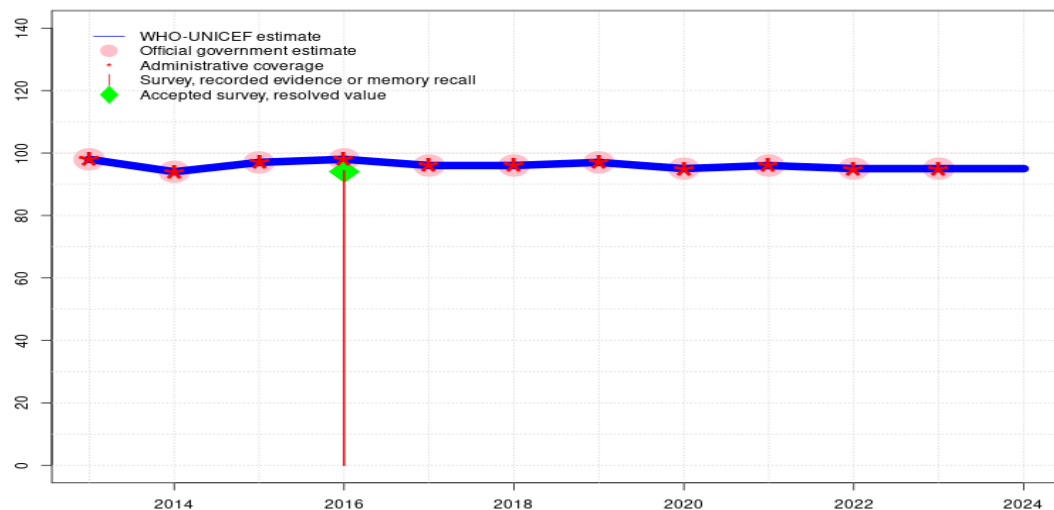
The WHO and UNICEF estimates of national immunization coverage (wuenic) are based on data and information that are of varying, and, in some instances, unknown quality. Beginning with the 2011 revision we describe the grade of confidence (GoC) we have in these estimates. As there is no underlying probability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

# Türkiye - MCV1

TUR - MCV1



## Description:

- 2024: Estimate based on extrapolation from data reported by national government. No nationally representative household survey for the most recent 5 annual birth cohorts. WHO and UNICEF recommend a high quality survey to verify reported levels of coverage. GoC=No accepted empirical data
- 2023: Estimate informed by reported data. GoC=R+ D+
- 2022: Estimate informed by reported data. Reported denominator declining rapidly since 2016. Estimated coverage levels likely overestimate actual coverage in the country. GoC=R+ D+
- 2021: Estimate informed by reported data. GoC=R+ D+
- 2020: Estimate informed by reported data. GoC=R+ D+
- 2019: Estimate informed by reported data. GoC=R+ D+
- 2018: Estimate informed by reported data. GoC=R+ S+ D+
- 2017: Estimate informed by reported data. GoC=R+ S+ D+
- 2016: Estimate informed by reported data supported by survey. Survey evidence of 94 percent based on 1 survey(s). GoC=R+ S+ D+
- 2015: Estimate informed by reported data. GoC=R+ S+ D+
- 2014: Estimate informed by reported data. GoC=R+ S+ D+
- 2013: Estimate informed by reported data. GoC=R+ D+

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

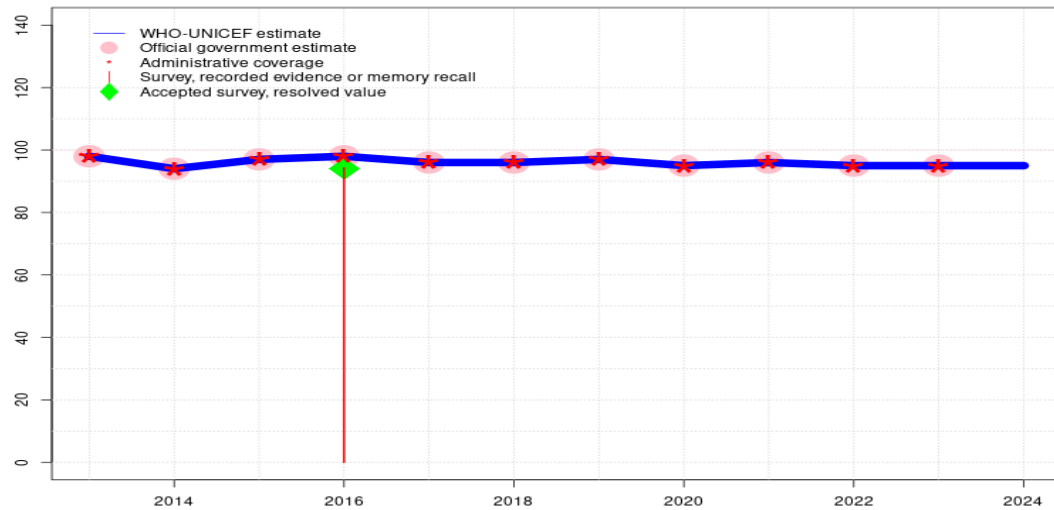
The WHO and UNICEF estimates of national immunization coverage (wuenic) are based on data and information that are of varying, and, in some instances, unknown quality. Beginning with the 2011 revision we describe the grade of confidence (GoC) we have in these estimates. As there is no underlying probability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

# Türkiye - RCV1

TUR - RCV1



## Description:

2024: Estimate based on estimated MCV1. No nationally representative household survey for the most recent 5 annual birth cohorts. WHO and UNICEF recommend a high quality survey to verify reported levels of coverage. GoC=No accepted empirical data

2023: Estimate based on estimated MCV1. GoC=R+ D+

2022: Estimate based on estimated MCV1. Reported denominator declining rapidly since 2016. Estimated coverage levels likely overestimate actual coverage in the country. GoC=R+ D+

2021: Estimate based on estimated MCV1. GoC=R+ D+

2020: Estimate based on estimated MCV1. GoC=R+ D+

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

2018: Estimate based on estimated MCV1. GoC=R+ S+ D+

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

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

2015: Estimate based on estimated MCV1. GoC=R+ S+ D+

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

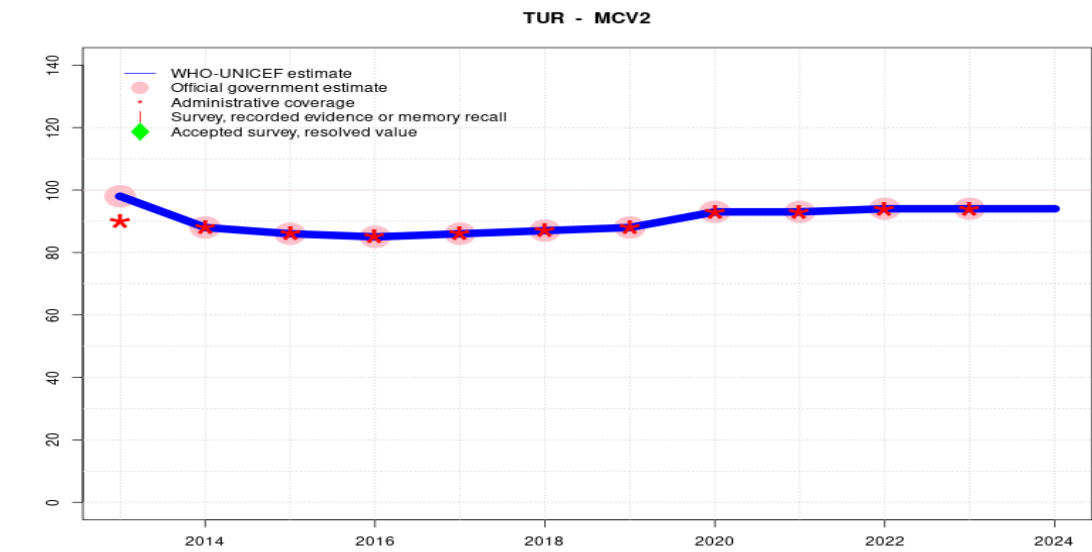
2013: Estimate based on estimated MCV1. GoC=R+ D+

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

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 extrapolation from reported data. No nationally representative household survey for the most recent 5 annual birth cohorts. WHO and UNICEF recommend a high quality survey to verify reported levels of coverage. GoC=No accepted empirical data
- 2023: Estimate informed by reported data. GoC=R+ D+
- 2022: Estimate informed by reported data. Reported denominator declining rapidly since 2016. Estimated coverage levels likely overestimate actual coverage in the country. Estimate challenged by: D-
- 2021: Estimate informed by reported data. Estimate challenged by: D-
- 2020: Estimate informed by reported data. Since July 2020 the second dose of MMR is recommended at 48 months, before it was recommended at 6 years of age. Estimate challenged by: D-
- 2019: Estimate informed by reported data. GoC=R+ D+
- 2018: Estimate informed by reported data. GoC=R+ D+
- 2017: Estimate informed by reported data. GoC=R+ D+
- 2016: Estimate informed by reported data. GoC=R+ D+
- 2015: Estimate informed by reported data. GoC=R+ D+
- 2014: Estimate informed by reported data. GoC=R+ D+
- 2013: Estimate informed by reported data. Estimate challenged by: D-

	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024
Estimate	98	88	86	85	86	87	88	93	93	94	94	94
Estimate GoC	•	••	••	••	••	••	••	•	•	•	••	•
Official	98	88	86	85	86	87	88	93	93	94	94	-
Administrative	90	88	86	85	86	87	88	93	93	94	94	-
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.



# Türkiye - 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.

## 2017 Turkey Demographic and Health Survey 2018

Vaccine	Confirmation method	Coverage	Age cohort	Sample	Evidence seen
BCG	Recall	27.1	12-23 m	138	69
BCG	Record	65.5	12-23 m	313	69
BCG	Record or Recall	92.6	12-23 m	451	69
BCG	Record or Recall<12m	90.6	12-23 m	451	69
DTP1	Recall	24.3	12-23 m	138	69
DTP1	Record	68.7	12-23 m	313	69
DTP1	Record or Recall	93	12-23 m	451	69
DTP1	Record or Recall<12m	91.9	12-23 m	451	69
DTP3	Recall	13.8	12-23 m	138	69
DTP3	Record	65	12-23 m	313	69
DTP3	Record or Recall	78.8	12-23 m	451	69
DTP3	Record or Recall<12m	76.1	12-23 m	451	69
HEPB1	Recall	27.2	12-23 m	138	69
HEPB1	Record	69.2	12-23 m	313	69
HEPB1	Record or Recall	96.4	12-23 m	451	69
HEPB1	Record or Recall<12m	95.5	12-23 m	451	69
HEPB3	Recall	14.6	12-23 m	138	69
HEPB3	Record	66.2	12-23 m	313	69
HEPB3	Record or Recall	80.8	12-23 m	451	69

HEPB3	Record or Recall<12m	79.5	12-23 m	451	69
HIB1	Recall	24.3	12-23 m	138	69
HIB1	Record	68.7	12-23 m	313	69
HIB1	Record or Recall	93	12-23 m	451	69
HIB1	Record or Recall<12m	91.9	12-23 m	451	69
HIB3	Recall	13.8	12-23 m	138	69
HIB3	Record	65	12-23 m	313	69
HIB3	Record or Recall	78.8	12-23 m	451	69
HIB3	Record or Recall<12m	76.1	12-23 m	451	69
IPV1	Recall	24.3	12-23 m	138	69
IPV1	Record	68.7	12-23 m	313	69
IPV1	Record or Recall	93	12-23 m	451	69
IPV1	Record or Recall<12m	91.9	12-23 m	451	69
PCV1	Recall	23	12-23 m	138	69
PCV1	Record	68.2	12-23 m	313	69
PCV1	Record or Recall	91.2	12-23 m	451	69
PCV1	Record or Recall<12m	90.1	12-23 m	451	69
PCV3	Recall	10.2	12-23 m	138	69
PCV3	Record	64.9	12-23 m	313	69
PCV3	Record or Recall	75.1	12-23 m	451	69
PCV3	Record or Recall<12m	71	12-23 m	451	69
POL1	Recall	22.9	12-23 m	138	69
POL1	Record	66.8	12-23 m	313	69
POL1	Record or Recall	89.7	12-23 m	451	69
POL1	Record or Recall<12m	87.2	12-23 m	451	69

## 2016 Turkey Demographic and Health Survey 2018

Vaccine	Confirmation method	Coverage	Age cohort	Sample	Evidence seen
BCG	Recall	41.6	24-35 m	231	-
BCG	Record	52.6	24-35 m	263	-
BCG	Record or Recall	94.2	24-35 m	495	-
BCG	Record or Recall<12m	91.3	24-35 m	495	-
DTP1	Recall	35.5	24-35 m	231	-
DTP1	Record	52.9	24-35 m	263	-
DTP1	Record or Recall	88.4	24-35 m	495	-
DTP1	Record or Recall<12m	86	24-35 m	495	-
DTP3	Recall	21.3	24-35 m	231	-
DTP3	Record	51.5	24-35 m	263	-

# Türkiye - Survey Details

DTP3	Record or Recall	72.7	24-35 m	495	-
DTP3	Record or Recall<12m	67.5	24-35 m	495	-
HEPB1	Recall	42.2	24-35 m	231	-
HEPB1	Record	53.3	24-35 m	263	-
HEPB1	Record or Recall	95.4	24-35 m	495	-
HEPB1	Record or Recall<12m	94.4	24-35 m	495	-
HEPB3	Recall	25.6	24-35 m	231	-
HEPB3	Record	51.5	24-35 m	263	-
HEPB3	Record or Recall	77.1	24-35 m	495	-
HEPB3	Record or Recall<12m	73.9	24-35 m	495	-
HIB1	Recall	35.5	24-35 m	231	-
HIB1	Record	52.9	24-35 m	263	-
HIB1	Record or Recall	88.4	24-35 m	495	-
HIB1	Record or Recall<12m	86	24-35 m	495	-
HIB3	Recall	21.3	24-35 m	231	-
HIB3	Record	51.5	24-35 m	263	-
HIB3	Record or Recall	72.7	24-35 m	495	-
HIB3	Record or Recall<12m	67.5	24-35 m	495	-
IPV1	Recall	35.5	24-35 m	231	-
IPV1	Record	52.9	24-35 m	263	-
IPV1	Record or Recall	88.4	24-35 m	495	-
IPV1	Record or Recall<12m	86	24-35 m	495	-
MCV1	Recall	42.2	24-35 m	231	-
MCV1	Record	52.1	24-35 m	263	-
MCV1	Record or Recall	94.3	24-35 m	495	-
MCV1	Record or Recall<12m	92.7	24-35 m	495	-
PCV1	Recall	37.2	24-35 m	231	-
PCV1	Record	52.1	24-35 m	263	-
PCV1	Record or Recall	89.4	24-35 m	495	-
PCV1	Record or Recall<12m	86.5	24-35 m	495	-
PCV3	Recall	14.9	24-35 m	231	-
PCV3	Record	50.8	24-35 m	263	-
PCV3	Record or Recall	65.6	24-35 m	495	-
PCV3	Record or Recall<12m	59.4	24-35 m	495	-
POL1	Recall	35.2	24-35 m	231	-
POL1	Record	52.2	24-35 m	263	-
POL1	Record or Recall	87.4	24-35 m	495	-
POL1	Record or Recall<12m	78.1	24-35 m	495	-
RCV1	Recall	42.2	24-35 m	231	-
RCV1	Record	52.1	24-35 m	263	-

RCV1	Record or Recall	94.3	24-35 m	495	-
RCV1	Record or Recall<12m	92.7	24-35 m	495	-

## 2007 Turkey Demographic and Health Survey 2008

Vaccine	Confirmation method	Coverage	Age cohort	Sample	Evidence seen
BCG	Recall	24.6	15-26 m	711	73
BCG	Record	71.3	15-26 m	711	73
BCG	Record or Recall	95.9	15-26 m	711	73
BCG	Record or Recall<15m	95.7	15-26 m	711	73
DTP1	Recall	24.9	15-26 m	711	73
DTP1	Record	72.3	15-26 m	711	73
DTP1	Record or Recall	97.2	15-26 m	711	73
DTP1	Record or Recall<15m	96.5	15-26 m	711	73
DTP3	Recall	18.5	15-26 m	711	73
DTP3	Record	70.8	15-26 m	711	73
DTP3	Record or Recall	89.3	15-26 m	711	73
DTP3	Record or Recall<15m	85.3	15-26 m	711	73
HEPB1	Recall	24.3	15-26 m	711	73
HEPB1	Record	72.1	15-26 m	711	73
HEPB1	Record or Recall	96.5	15-26 m	711	73
HEPB1	Record or Recall<15m	96.4	15-26 m	711	73
HEPB3	Recall	15.9	15-26 m	711	73
HEPB3	Record	70	15-26 m	711	73
HEPB3	Record or Recall	85.9	15-26 m	711	73
HEPB3	Record or Recall<15m	83.9	15-26 m	711	73
MCV1	Recall	23.3	15-26 m	711	73
MCV1	Record	65.9	15-26 m	711	73
MCV1	Record or Recall	89.3	15-26 m	711	73
MCV1	Record or Recall<15m	85.9	15-26 m	711	73
POL1	Recall	24.8	15-26 m	711	73
POL1	Record	71.9	15-26 m	711	73
POL1	Record or Recall	96.8	15-26 m	711	73
POL1	Record or Recall<15m	96.1	15-26 m	711	73
POL3	Recall	19.1	15-26 m	711	73
POL3	Record	69.7	15-26 m	711	73
POL3	Record or Recall	88.8	15-26 m	711	73
POL3	Record or Recall<15m	85.3	15-26 m	711	73

## 2003 Turkey Demographic and Health Survey 2003

Vaccine	Confirmation method	Coverage	Age cohort	Sample	Evidence seen
BCG	Recall	36.2	12-23 m	749	54
BCG	Record	51.5	12-23 m	749	54
BCG	Record or Recall	87.7	12-23 m	749	54
BCG	Record or Recall<12m	86.2	12-23 m	749	54
DTP1	Recall	36.6	12-23 m	749	54
DTP1	Record	51.9	12-23 m	749	54
DTP1	Record or Recall	88.5	12-23 m	749	54
DTP1	Record or Recall<12m	86.9	12-23 m	749	54
DTP3	Recall	15.9	12-23 m	749	54
DTP3	Record	48.5	12-23 m	749	54
DTP3	Record or Recall	64.4	12-23 m	749	54
DTP3	Record or Recall<12m	62.2	12-23 m	749	54
MCV1	Recall	30.5	12-23 m	749	54
MCV1	Record	48.9	12-23 m	749	54
MCV1	Record or Recall	79.4	12-23 m	749	54
MCV1	Record or Recall<12m	71.2	12-23 m	749	54
POL1	Recall	42.5	12-23 m	749	54
POL1	Record	52.2	12-23 m	749	54
POL1	Record or Recall	94.7	12-23 m	749	54
POL1	Record or Recall<12m	92.5	12-23 m	749	54
POL3	Recall	20.7	12-23 m	749	54
POL3	Record	48.4	12-23 m	749	54
POL3	Record or Recall	69.1	12-23 m	749	54
POL3	Record or Recall<12m	66.5	12-23 m	749	54

## 1997 Turkish Demographic and Health Survey 1998, 1999

Vaccine	Confirmation method	Coverage	Age cohort	Sample	Evidence seen
BCG	Recall	52.5	12-23 m	424	39
BCG	Record	36	12-23 m	266	39
BCG	Record or Recall	88.5	12-23 m	689	39
BCG	Record or Recall<12m	87.4	12-23 m	689	39
DTP1	Recall	48.9	12-23 m	424	39
DTP1	Record	38	12-23 m	266	39
DTP1	Record or Recall	86.9	12-23 m	689	39
DTP1	Record or Recall<12m	85.5	12-23 m	689	39
DTP3	Recall	24.1	12-23 m	424	39
DTP3	Record	34.5	12-23 m	266	39
DTP3	Record or Recall	58.7	12-23 m	689	39
DTP3	Record or Recall<12m	55.8	12-23 m	689	39
MCV1	Recall	45.2	12-23 m	424	39
MCV1	Record	33.3	12-23 m	266	39
MCV1	Record or Recall	78.5	12-23 m	689	39
MCV1	Record or Recall<12m	70.9	12-23 m	689	39
POL1	Recall	55.8	12-23 m	424	39
POL1	Record	38.3	12-23 m	266	39
POL1	Record or Recall	94	12-23 m	689	39
POL1	Record or Recall<12m	92.4	12-23 m	689	39
POL3	Recall	28.8	12-23 m	424	39
POL3	Record	35.6	12-23 m	266	39
POL3	Record or Recall	64.4	12-23 m	689	39
POL3	Record or Recall<12m	60.8	12-23 m	689	39

Further information and estimates for previous years are available at:

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

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