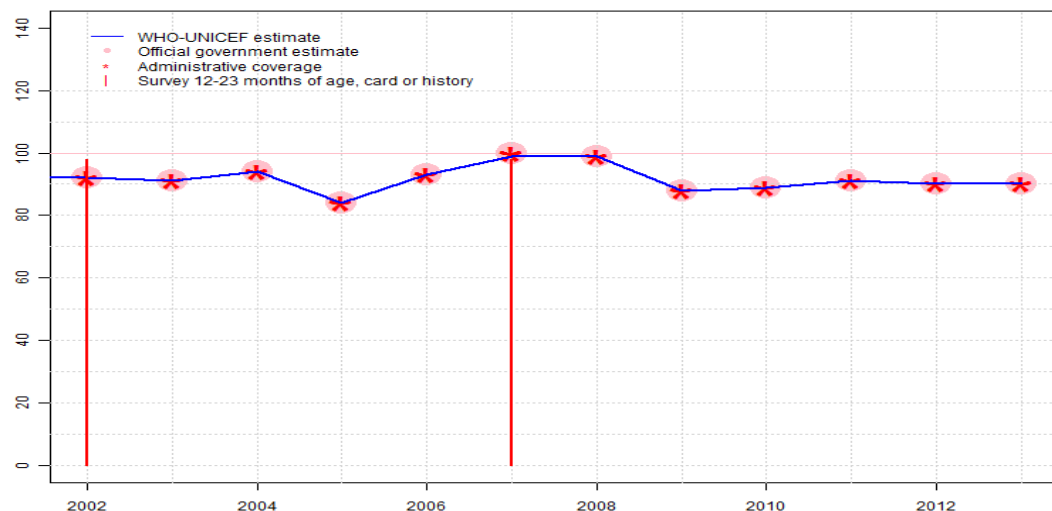


El Salvador - BCG

SLV - BCG



	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
Estimate	92	91	94	84	93	99	99	88	89	91	90	90
Estimate GoC	•	•	•	•	•	•••	•••	•••	••	••	••	••
Official	92	91	94	84	93	99	99	88	89	91	90	90
Administrative	92	91	94	84	93	100	99	88	89	91	90	90
Survey	98	NA	NA	NA	NA	98	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.

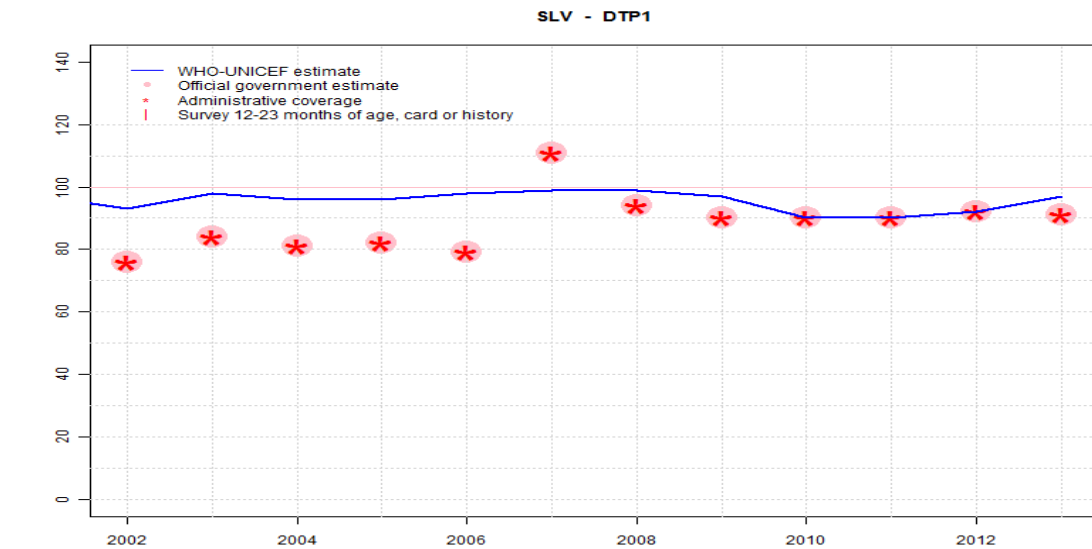
- Estimate is supported by reported data [R+], coverage recalculated with an independent denominator from the World Population Prospects: 2012 revision from the UN Population Division (D+), and at least one supporting survey within 2 years [S+]. While well supported, the estimate still carries a risk 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:

- 2002: Estimate based on coverage reported by national government supported by survey. Survey evidence of 98 percent based on 1 survey(s). Estimate challenged by: D-
- 2003: Estimate based on coverage reported by national government. Estimate challenged by: D-
- 2004: Estimate based on coverage reported by national government. Estimate challenged by: D-
- 2005: Estimate based on coverage reported by national government. Estimate challenged by: D-
- 2006: Estimate based on coverage reported by national government. Estimate challenged by: D-
- 2007: Estimate based on coverage reported by national government supported by survey. Survey evidence of 98 percent based on 1 survey(s). GoC=R+ S+ D+
- 2008: Estimate based on coverage reported by national government. GoC=R+ S+ D+
- 2009: Estimate based on coverage reported by national government. Two months shortage of BCG vaccine reported. Estimate of 88 percent changed from previous revision value of 87 percent. GoC=R+ S+ D+
- 2010: Estimate based on coverage reported by national government. GoC=R+ D+
- 2011: Estimate based on coverage reported by national government. GoC=R+ D+
- 2012: Estimate based on coverage reported by national government. GoC=R+ D+
- 2013: Estimate based on coverage reported by national government. No nationally representative household survey within the last 5 years reflecting an annual birth cohort (e.g., 12-23 months). WHO and UNICEF recommend a high-quality survey to confirm reported levels of coverage. GoC=R+ D+

El Salvador - DTP1



	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
Estimate	93	98	96	96	98	99	99	97	90	90	92	97
Estimate GoC	•	•	•	•	•	•	•	•	••	••	••	•
Official	76	84	81	82	79	111	94	90	90	90	92	91
Administrative	76	84	81	82	79	111	94	90	90	90	92	91
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: 2012 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.

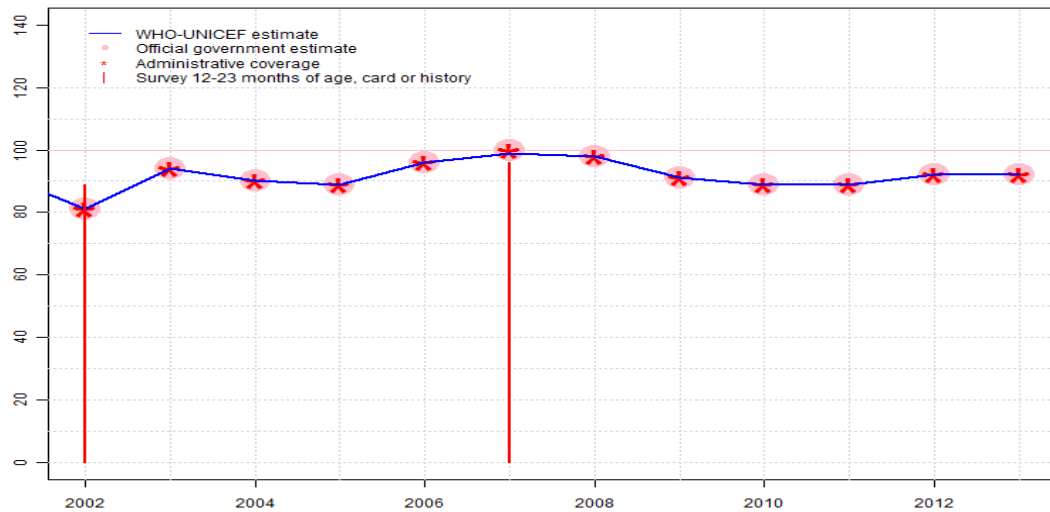
In all cases these estimates should be used with caution and should be assessed in light of the objective for which they are being used.

Description:

- 2002: DTP1 coverage estimated based on DTP3 coverage of 81. Estimate challenged by: R-
- 2003: DTP1 coverage estimated based on DTP3 coverage of 94. Estimate challenged by: R-
- 2004: DTP1 coverage estimated based on DTP3 coverage of 90. Estimate challenged by: R-
- 2005: DTP1 coverage estimated based on DTP3 coverage of 89. Estimate challenged by: R-
- 2006: DTP1 coverage estimated based on DTP3 coverage of 96. Estimate challenged by: D-R-
- 2007: DTP1 coverage estimated based on DTP3 coverage of 100. Reported data excluded. 111 percent greater than 100 percent. Reported data excluded. Unexplained increase from 79 percent to 111 percent with decrease 94 percent. Estimate challenged by: R-
- 2008: DTP1 coverage estimated based on DTP3 coverage of 98. Estimate challenged by: D-R-
- 2009: DTP1 coverage estimated based on DTP3 coverage of 91. Estimate challenged by: D-R-
- 2010: Estimate based on coverage reported by national government. Estimate of 90 percent changed from previous revision value of 97 percent. GoC=R+D+
- 2011: Estimate based on coverage reported by national government. GoC=R+D+
- 2012: Estimate based on coverage reported by national government. GoC=R+D+
- 2013: DTP1 coverage estimated based on DTP3 coverage of 92. No nationally representative household survey within the last 5 years reflecting an annual birth cohort (e.g., 12-23 months). WHO and UNICEF recommend a high-quality survey to confirm reported levels of coverage. Estimate challenged by: R-

El Salvador - DTP3

SLV - DTP3



	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
Estimate	81	94	90	89	96	99	98	91	89	89	92	92
Estimate GoC	●	●	●	●	●	●●●	●●●	●●●	●●	●●	●●	●●
Official	81	94	90	89	96	100	98	91	89	89	92	92
Administrative	81	94	90	89	96	100	98	91	89	89	92	92
Survey	89	NA	NA	NA	NA	96	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: 2012 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.

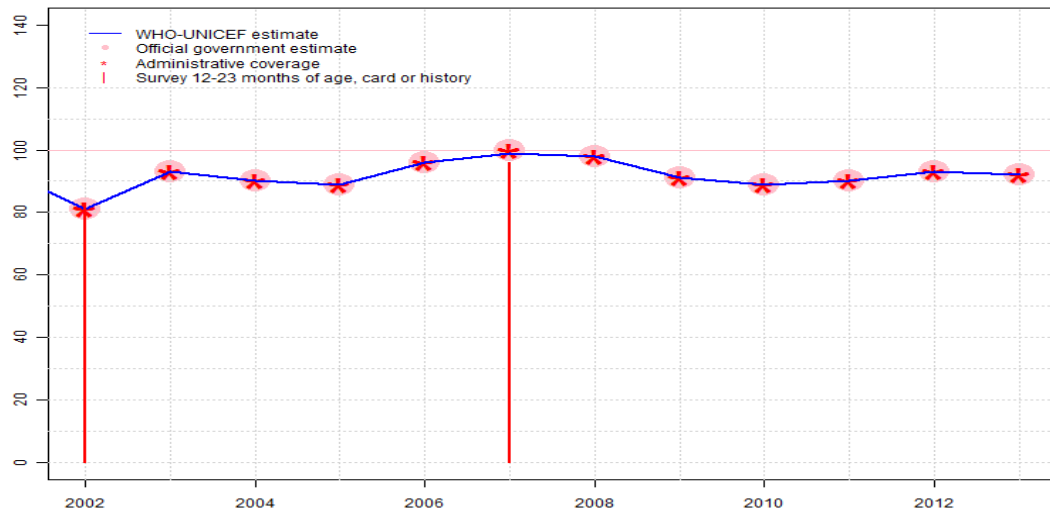
In all cases these estimates should be used with caution and should be assessed in light of the objective for which they are being used.

Description:

- 2002: Estimate based on coverage reported by national government supported by survey. Survey evidence of 89 percent based on 1 survey(s). . Estimate challenged by: D-
- 2003: Estimate based on coverage reported by national government. Estimate challenged by: D-
- 2004: Estimate based on coverage reported by national government. Estimate challenged by: D-
- 2005: Estimate based on coverage reported by national government. Estimate challenged by: D-
- 2006: Estimate based on coverage reported by national government. Estimate challenged by: D-
- 2007: Estimate based on coverage reported by national government supported by survey. Survey evidence of 96 percent based on 1 survey(s). GoC=R+ S+ D+
- 2008: Estimate based on coverage reported by national government. GoC=R+ S+ D+
- 2009: Estimate based on coverage reported by national government. GoC=R+ S+ D+
- 2010: Estimate based on coverage reported by national government. Estimate of 89 percent changed from previous revision value of 92 percent. GoC=R+ D+
- 2011: Estimate based on coverage reported by national government. GoC=R+ D+
- 2012: Estimate based on coverage reported by national government. GoC=R+ D+
- 2013: Estimate based on coverage reported by national government. No nationally representative household survey within the last 5 years reflecting an annual birth cohort (e.g., 12-23 months). WHO and UNICEF recommend a high-quality survey to confirm reported levels of coverage. GoC=R+ D+

El Salvador - Pol3

SLV - Pol3



	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
Estimate	81	93	90	89	96	99	98	91	89	90	93	92
Estimate GoC	•	•	•	•	•	•••	•••	•••	••	••	••	••
Official	81	93	90	89	96	100	98	91	89	90	93	92
Administrative	81	93	90	89	96	100	98	91	89	90	93	92
Survey	83	NA	NA	NA	NA	96	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: 2012 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.

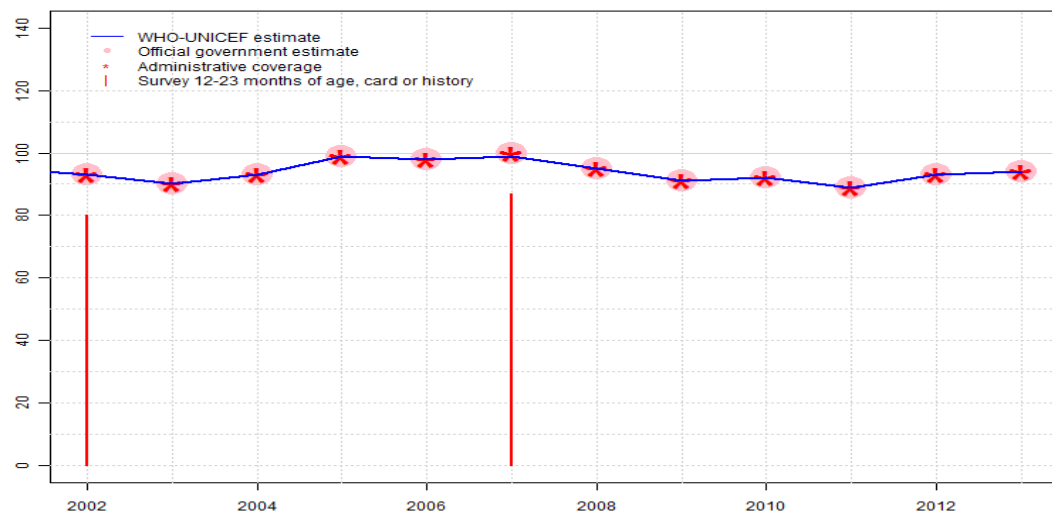
In all cases these estimates should be used with caution and should be assessed in light of the objective for which they are being used.

Description:

- 2002: Estimate based on coverage reported by national government supported by survey. Survey evidence of 83 percent based on 1 survey(s). . Estimate challenged by: D-
- 2003: Estimate based on coverage reported by national government. Estimate challenged by: D-
- 2004: Estimate based on coverage reported by national government. Estimate challenged by: D-
- 2005: Estimate based on coverage reported by national government. Estimate challenged by: D-
- 2006: Estimate based on coverage reported by national government. Estimate challenged by: D-
- 2007: Estimate based on coverage reported by national government supported by survey. Survey evidence of 96 percent based on 1 survey(s). GoC=R+ S+ D+
- 2008: Estimate based on coverage reported by national government. GoC=R+ S+ D+
- 2009: Estimate based on coverage reported by national government. GoC=R+ S+ D+
- 2010: Estimate based on coverage reported by national government. Estimate of 89 percent changed from previous revision value of 92 percent. GoC=R+ D+
- 2011: Estimate based on coverage reported by national government. Estimate of 90 percent changed from previous revision value of 89 percent. GoC=R+ D+
- 2012: Estimate based on coverage reported by national government. Estimate of 93 percent changed from previous revision value of 92 percent. GoC=R+ D+
- 2013: Estimate based on coverage reported by national government. No nationally representative household survey within the last 5 years reflecting an annual birth cohort (e.g., 12-23 months). WHO and UNICEF recommend a high-quality survey to confirm reported levels of coverage. GoC=R+ D+

El Salvador - MCV

SLV - MCV



	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
Estimate	93	90	93	99	98	99	95	91	92	89	93	94
Estimate GoC	•	•	•	•	•	•	•	•	•	••	••	••
Official	93	90	93	99	98	100	95	91	92	89	93	94
Administrative	93	90	93	99	98	100	95	91	92	89	93	94
Survey	80	NA	NA	NA	NA	87	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.

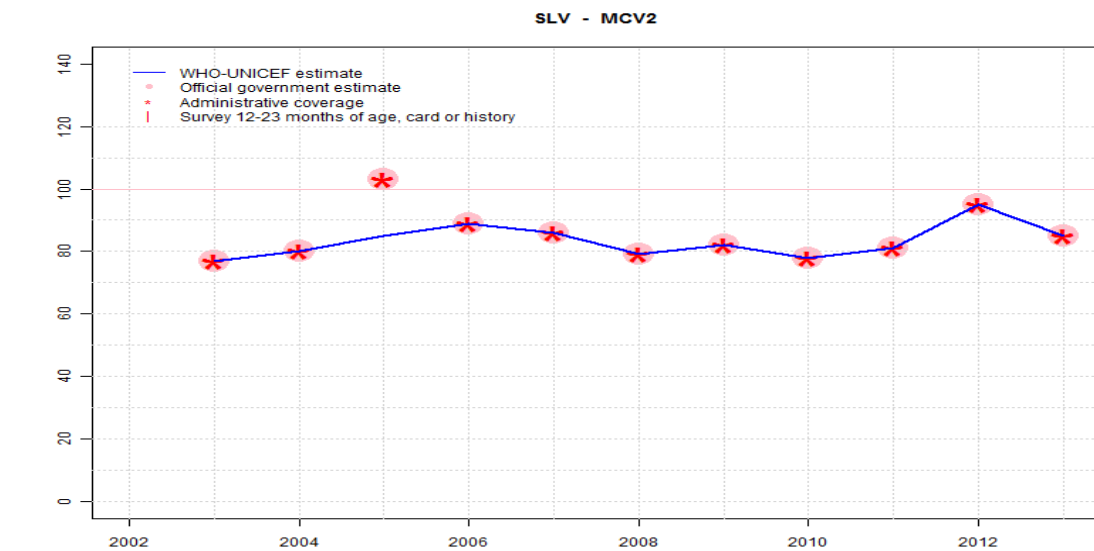
- Estimate is supported by reported data [R+], coverage recalculated with an independent denominator from the World Population Prospects: 2012 revision from the UN Population Division (D+), and at least one supporting survey within 2 years [S+]. While well supported, the estimate still carries a risk 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:

- 2002: Estimate based on coverage reported by national government. National Family Health Survey FESAL 2002-2003 results ignored by working group. Measles vaccination is recommend between 12-23 months of age. Survey cohort underestimates coverage. Estimate challenged by: D-S-
- 2003: Estimate based on coverage reported by national government. Estimate challenged by: D-S-
- 2004: Estimate based on coverage reported by national government. Estimate challenged by: D-S-
- 2005: Estimate based on coverage reported by national government. Estimate challenged by: D-S-
- 2006: Estimate based on coverage reported by national government. Estimate challenged by: D-S-
- 2007: Estimate based on coverage reported by national government. El Salvador Family Health Survey 2008 results ignored by working group. Measles vaccination is recommend between 12-23 months of age. Survey cohort underestimates coverage. Estimate challenged by: D-S-
- 2008: Estimate based on coverage reported by national government. Estimate challenged by: S-
- 2009: Estimate based on coverage reported by national government. Estimate of 91 percent changed from previous revision value of 95 percent. Estimate challenged by: S-
- 2010: Estimate based on coverage reported by national government. Estimate challenged by: D-
- 2011: Estimate based on coverage reported by national government. GoC=R+ D+
- 2012: Estimate based on coverage reported by national government. GoC=R+ D+
- 2013: Estimate based on coverage reported by national government. No nationally representative household survey within the last 5 years reflecting an annual birth cohort (e.g., 12-23 months). WHO and UNICEF recommend a high-quality survey to confirm reported levels of coverage. GoC=R+ D+

El Salvador - MCV2



	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
Estimate	NA	77	80	85	89	86	79	82	78	81	95	85
Estimate GoC	NA	●●	●●	●	●●	●●	●●	●●	●●	●	●●	●●
Official	NA	77	80	103	89	86	79	82	78	81	95	85
Administrative	NA	77	80	103	89	86	79	82	78	81	95	85
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.

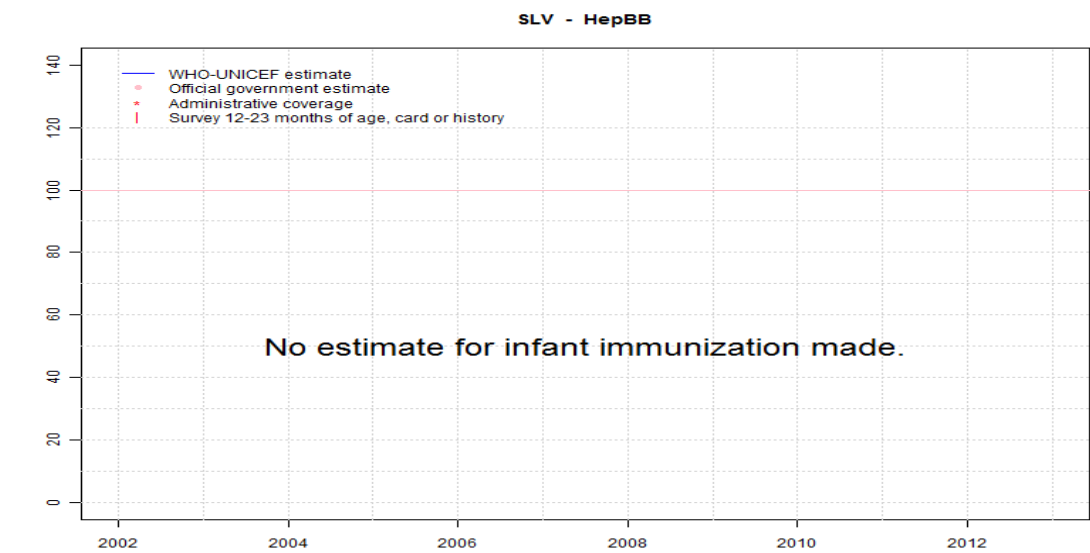
- Estimate is supported by reported data [R+], coverage recalculated with an independent denominator from the World Population Prospects: 2012 revision from the UN Population Division (D+), and at least one supporting survey within 2 years [S+]. While well supported, the estimate still carries a risk 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:

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

- 2003: Estimate based on coverage reported by national government. GoC=R+ D+
- 2004: Estimate based on coverage reported by national government. GoC=R+ D+
- 2005: Estimate based on interpolation between reported values. Reported data excluded. 103 percent greater than 100 percent. Reported data excluded. Unexplained increase from 80 percent to 103 percent with decrease 89 percent. Estimate challenged by: D-
- 2006: Estimate based on coverage reported by national government. GoC=R+ D+
- 2007: Estimate based on coverage reported by national government. GoC=R+ D+
- 2008: Estimate based on coverage reported by national government. GoC=R+ D+
- 2009: Estimate based on coverage reported by national government. GoC=R+ D+
- 2010: Estimate based on coverage reported by national government. GoC=R+ D+
- 2011: Estimate based on coverage reported by national government. Estimate challenged by: D-
- 2012: Estimate based on coverage reported by national government. GoC=R+ D+
- 2013: Estimate based on coverage reported by national government. No nationally representative household survey within the last 5 years reflecting an annual birth cohort (e.g., 12-23 months). WHO and UNICEF recommend a high-quality survey to confirm reported levels of coverage. GoC=R+ D+



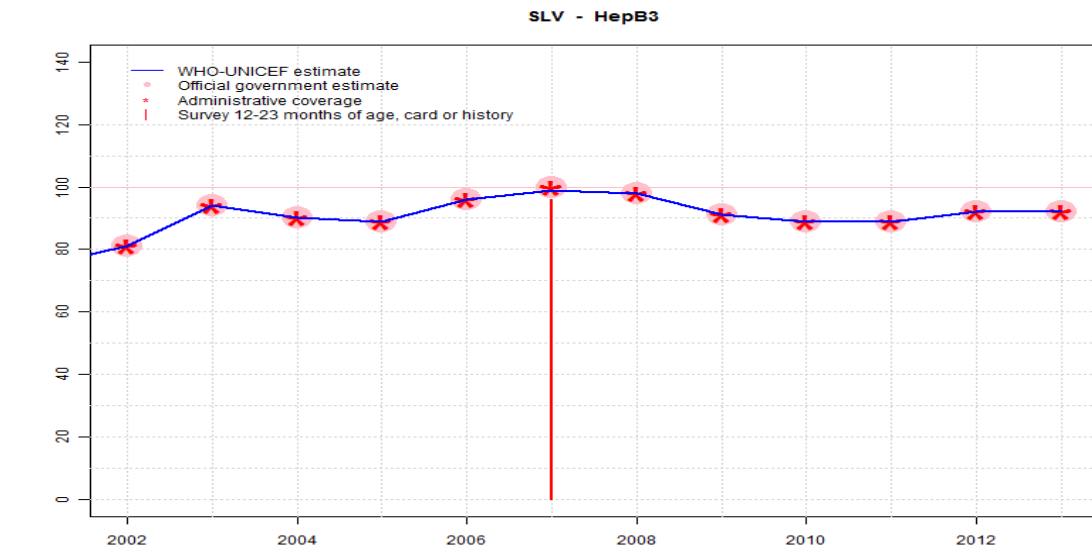
	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
Estimate	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Estimate GoC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Official	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Administrative	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Survey	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

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: 2012 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.

El Salvador - HepB3



	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
Estimate	81	94	90	89	96	99	98	91	89	89	92	92
Estimate GoC	•	•	•	•	•	•••	•••	•••	••	••	••	••
Official	81	94	90	89	96	100	98	91	89	89	92	92
Administrative	81	94	90	89	96	100	98	91	89	89	92	92
Survey	NA	NA	NA	NA	NA	96	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.

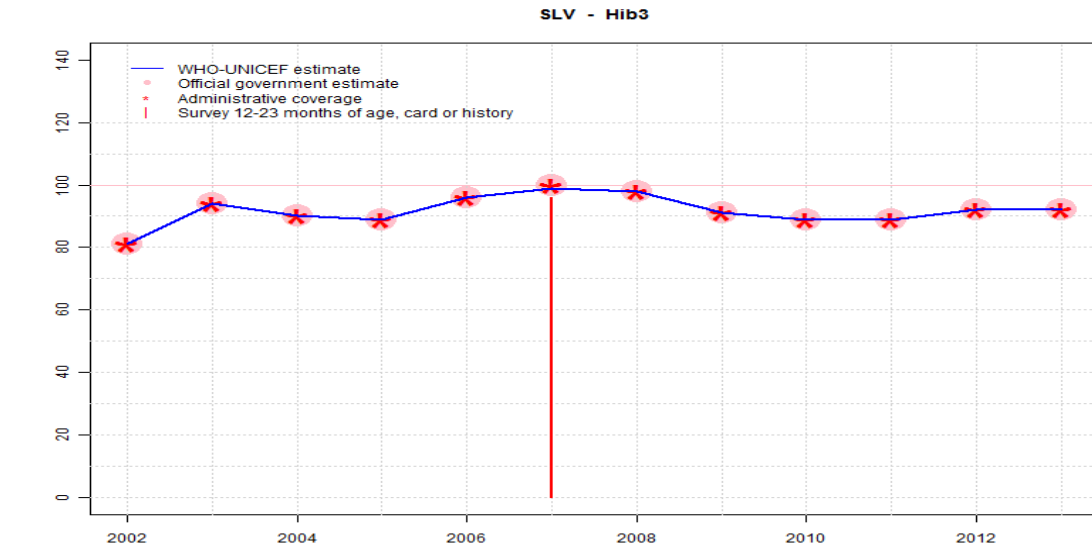
- Estimate is supported by reported data [R+], coverage recalculated with an independent denominator from the World Population Prospects: 2012 revision from the UN Population Division (D+), and at least one supporting survey within 2 years [S+]. While well supported, the estimate still carries a risk 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:

- 2002: Estimate based on coverage reported by national government. Vaccine presentation changed to DTP-HepB-Hib. Estimate challenged by: D-
- 2003: Estimate based on coverage reported by national government. Estimate challenged by: D-
- 2004: Estimate based on coverage reported by national government. Estimate challenged by: D-
- 2005: Estimate based on coverage reported by national government. Estimate challenged by: D-
- 2006: Estimate based on coverage reported by national government. Estimate challenged by: D-
- 2007: Estimate based on coverage reported by national government supported by survey. Survey evidence of 96 percent based on 1 survey(s). GoC=R+ S+ D+
- 2008: Estimate based on coverage reported by national government. GoC=R+ S+ D+
- 2009: Estimate based on coverage reported by national government. GoC=R+ S+ D+
- 2010: Estimate based on coverage reported by national government. Estimate of 89 percent changed from previous revision value of 92 percent. GoC=R+ D+
- 2011: Estimate based on coverage reported by national government. Estimate of 89 percent changed from previous revision value of 90 percent. GoC=R+ D+
- 2012: Estimate based on coverage reported by national government. GoC=R+ D+
- 2013: Estimate based on coverage reported by national government. No nationally representative household survey within the last 5 years reflecting an annual birth cohort (e.g., 12-23 months). WHO and UNICEF recommend a high-quality survey to confirm reported levels of coverage. GoC=R+ D+

El Salvador - Hib3



	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
Estimate	81	94	90	89	96	99	98	91	89	89	92	92
Estimate GoC	•	•	•	•	•	•••	•••	•••	••	••	••	••
Official	81	94	90	89	96	100	98	91	89	89	92	92
Administrative	81	94	90	89	96	100	98	91	89	89	92	92
Survey	NA	NA	NA	NA	NA	96	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.

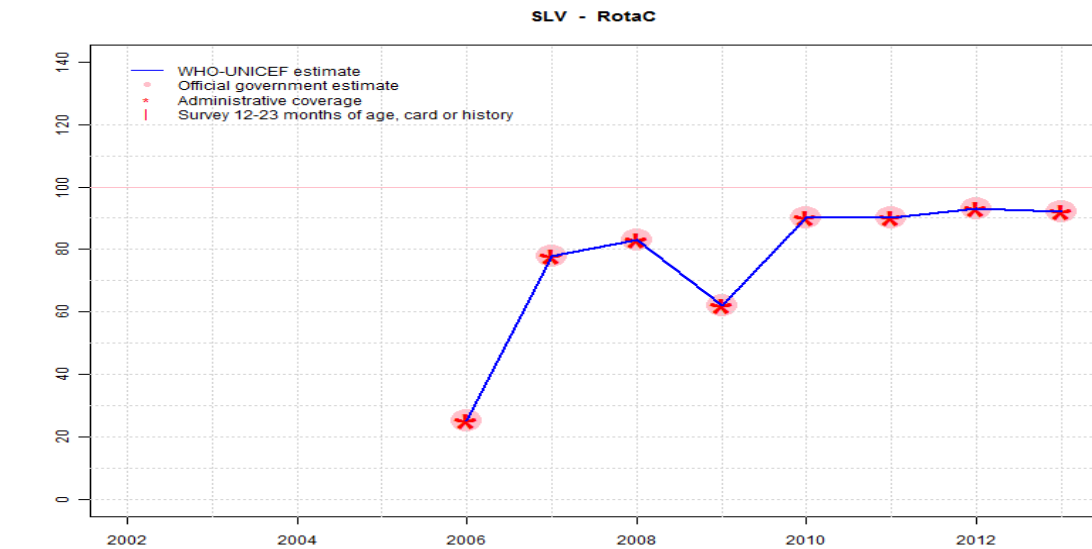
- Estimate is supported by reported data [R+], coverage recalculated with an independent denominator from the World Population Prospects: 2012 revision from the UN Population Division (D+), and at least one supporting survey within 2 years [S+]. While well supported, the estimate still carries a risk 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:

- 2002: Estimate based on reported data. Hib introduced in 2002. Vaccine presentation is DTP-HepB-Hib. Estimate challenged by: D-
- 2003: Estimate based on reported data. Estimate challenged by: D-
- 2004: Estimate based on reported data. Estimate challenged by: D-
- 2005: Estimate based on reported data. Estimate challenged by: D-
- 2006: Estimate based on reported data. Estimate challenged by: D-
- 2007: Estimate based on coverage reported by national government supported by survey. Survey evidence of 96 percent based on 1 survey(s). GoC=R+ S+ D+
- 2008: Estimate based on coverage reported by national government. GoC=R+ S+ D+
- 2009: Estimate based on coverage reported by national government. GoC=R+ S+ D+
- 2010: Estimate based on coverage reported by national government. Estimate of 89 percent changed from previous revision value of 92 percent. GoC=R+ D+
- 2011: Estimate based on coverage reported by national government. Estimate of 89 percent changed from previous revision value of 90 percent. GoC=R+ D+
- 2012: Estimate based on coverage reported by national government. GoC=R+ D+
- 2013: Estimate based on coverage reported by national government. No nationally representative household survey within the last 5 years reflecting an annual birth cohort (e.g., 12-23 months). WHO and UNICEF recommend a high-quality survey to confirm reported levels of coverage. GoC=R+ D+

El Salvador - RotaC



	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
Estimate	NA	NA	NA	NA	25	78	83	62	90	90	93	92
Estimate GoC	NA	NA	NA	NA	••	••	••	••	••	••	••	••
Official	NA	NA	NA	NA	25	78	83	62	90	90	93	92
Administrative	NA	NA	NA	NA	25	78	83	62	90	90	93	92
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.

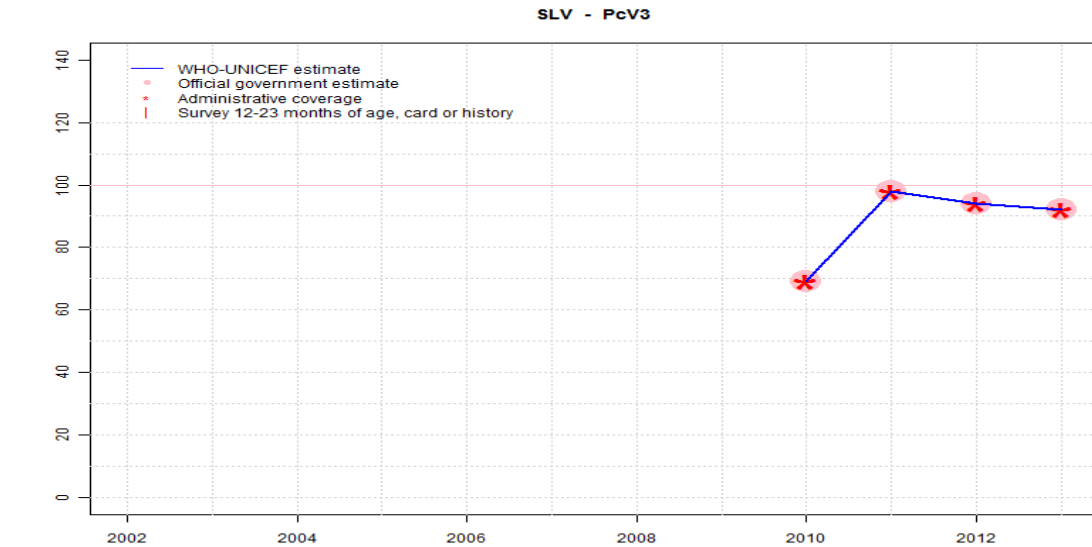
- Estimate is supported by reported data [R+], coverage recalculated with an independent denominator from the World Population Prospects: 2012 revision from the UN Population Division (D+), and at least one supporting survey within 2 years [S+]. While well supported, the estimate still carries a risk 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:

- 2006: Estimate based on coverage reported by national government. Rotavirus vaccine introduced in 2006. GoC=R+
- 2007: Estimate based on coverage reported by national government. GoC=R+ D+
- 2008: Estimate based on coverage reported by national government. GoC=R+ D+
- 2009: Estimate based on coverage reported by national government. Three months shortage of rotavirus vaccine reported. Estimate of 62 percent changed from previous revision value of 61 percent. GoC=R+ D+
- 2010: Estimate based on coverage reported by national government. Estimate of 90 percent changed from previous revision value of 92 percent. GoC=R+ D+
- 2011: Estimate based on coverage reported by national government. GoC=R+ D+
- 2012: Estimate based on coverage reported by national government. GoC=R+ D+
- 2013: Estimate based on coverage reported by national government. No nationally representative household survey within the last 5 years reflecting an annual birth cohort (e.g., 12-23 months). WHO and UNICEF recommend a high-quality survey to confirm reported levels of coverage. GoC=R+ D+

El Salvador - PcV3



	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
Estimate	NA	NA	NA	NA	NA	NA	NA	NA	69	98	94	92
Estimate GoC	NA	NA	NA	NA	NA	NA	NA	NA	●●	●●	●●	●●
Official	NA	NA	NA	NA	NA	NA	NA	NA	69	98	94	92
Administrative	NA	NA	NA	NA	NA	NA	NA	NA	69	98	94	92
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: 2012 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:

- 2010: Estimate based on coverage reported by national government. Pneumococcal conjugate vaccine introduced in 2010. Estimate of 69 percent changed from previous revision value of 59 percent. GoC=R+
- 2011: Estimate based on coverage reported by national government. Estimate of 98 percent changed from previous revision value of 67 percent. GoC=R+
- 2012: Estimate based on coverage reported by national government. Estimate of 94 percent changed from previous revision value of 97 percent. GoC=R+ D+
- 2013: Estimate based on coverage reported by national government. No nationally representative household survey within the last 5 years reflecting an annual birth cohort (e.g., 12-23 months). WHO and UNICEF recommend a high-quality survey to confirm reported levels of coverage. GoC=R+ D+

El Salvador - survey details

2009 Encuesta de Cobertura Nacional de Vacunación El Salvador, 2011

Vaccine	Confirmation method	Coverage	Age cohort	Sample	Cards seen
BCG	Card or History	99	24-59 m	-	-
DTP3	Card or History	100	24-59 m	-	-
HepB3	Card or History	100	24-59 m	-	-
Hib3	Card or History	100	24-59 m	-	-
MCV	Card or History	99	24-59 m	-	-
Pol3	Card or History	100	24-59 m	-	-

BCG	Card <12 months	96	12-23 m	4106	71
BCG	Card or History	98	12-23 m	4106	71
DTP3	C or H <12 months	72	12-23 m	3751	71
DTP3	Card	92	12-23 m	3751	71
DTP3	Card <12 months	74	12-23 m	3751	71
DTP3	Card or History	89	12-23 m	3751	71
MCV	Card	84	12-23 m	3408	71
MCV	Card or History	80	12-23 m	3408	71
Pol3	C or H <12 months	59	12-23 m	3751	71
Pol3	Card	86	12-23 m	3751	71
Pol3	Card <12 months	56	12-23 m	3751	71
Pol3	Card or History	83	12-23 m	3751	71

2007 Encuesta Nacional de Salud Familiar FESAL 2008

Vaccine	Confirmation method	Coverage	Age cohort	Sample	Cards seen
BCG	C or H <12 months	98	12-23 m	865	77
BCG	Card or History	98	12-23 m	865	77
DTP3	C or H <12 months	85	12-23 m	865	77
DTP3	Card or History	96	12-23 m	865	77
HepB3	C or H <12 months	85	12-23 m	865	77
HepB3	Card or History	96	12-23 m	865	77
Hib3	C or H <12 months	85	12-23 m	865	77
Hib3	Card or History	96	12-23 m	865	77
MCV	Card or History	87	12-23 m	865	77
Pol3	C or H <12 months	84	12-23 m	865	77
Pol3	Card or History	96	12-23 m	865	77

1997 Encuesta Nacional de Salud Familiar FESAL-98

Vaccine	Confirmation method	Coverage	Age cohort	Sample	Cards seen
BCG	C or H <12 months	88	12-23 m	5155	60
BCG	Card	92	12-23 m	5155	60
BCG	Card <12 months	92	12-23 m	5155	60
BCG	Card or History	96	12-23 m	5155	60
DTP3	C or H <12 months	95	12-23 m	5155	60
DTP3	Card	65	12-23 m	5155	60
DTP3	Card <12 months	72	12-23 m	5155	60
DTP3	Card or History	86	12-23 m	5155	60
MCV	C or H <12 months	92	12-23 m	5155	60
MCV	Card	55	12-23 m	5155	60
MCV	Card <12 months	59	12-23 m	5155	60
MCV	Card or History	86	12-23 m	5155	60
Pol3	C or H <12 months	95	12-23 m	5155	60
Pol3	Card	65	12-23 m	5155	60
Pol3	Card <12 months	72	12-23 m	5155	60
Pol3	Card or History	86	12-23 m	5155	60

2002 Encuesta Nacional de Salud Familiar de 2002-2003 (FESAL)

Vaccine	Confirmation method	Coverage	Age cohort	Sample	Cards seen
BCG	C or H <12 months	95	12-23 m	4106	71
BCG	Card	96	12-23 m	4106	71

Further information and estimates prior to 2002 are available at:

<http://www.data.unicef.org/child-health/immunization>

http://www.who.int/immunization/monitoring_surveillance/routine/coverage/en/index4.html

El Salvador

WHO/UNICEF Estimates of Protection at Birth (PAB) against tetanus

In countries where tetanus is recommended for girls and women coverage is usually reported as "TT2+", i.e. the proportion of (pregnant) women who have received their second or superior TT dose in a given year. TT2 + coverage, however, can under-represent the actual proportion of births that are protected against tetanus as it does not include women who have previously received protective doses, women who received one dose without documentation of previous doses, and women who received doses in TT (or Td) supplemental immunization activities (SIA). In addition, girls who have received DTP in their childhood and are entering childbearing age, may be protected with TT booster doses.

WHO and UNICEF have developed a model that takes into account the above scenarios, and calculates the proportion of births in a given year that can be considered as having been protected against tetanus - "Protection at Birth".

In this model, annual cohorts of women are followed from infancy through their life. A proportion receive DTP in infancy (estimated based on the WHO-UNICEF estimates of DTP3 coverage). In addition some of these women also receive TT through routine services when they are pregnant and may also receive TT during SIAs. The model also adjusts reported data, taking into account coverage patterns in other years, and/or results available through surveys. The duration of protection is then calculated, based on WHO estimates of the duration of protection by doses ever received. The proportion of births that are protected against tetanus as a result of maternal immunization reflects the tetanus immunization received by the mother throughout her life rather than simply the TT immunizations received during the current pregnancy.

Year	PAB coverage estimate (%)
2002	87
2003	90
2004	93
2005	92
2006	91
2007	87
2008	87
2009	87
2010	88
2011	88
2012	90
2013	90

¹ This model is described in: Griffiths U., Wolfson L., Quddus A., Younus M., Hafiz R.. Incremental cost-effectiveness of supplementary immunization activities to prevent neo-natal tetanus in Pakistan. Bulletin of the World Health Organization 2004; 82:643-651.