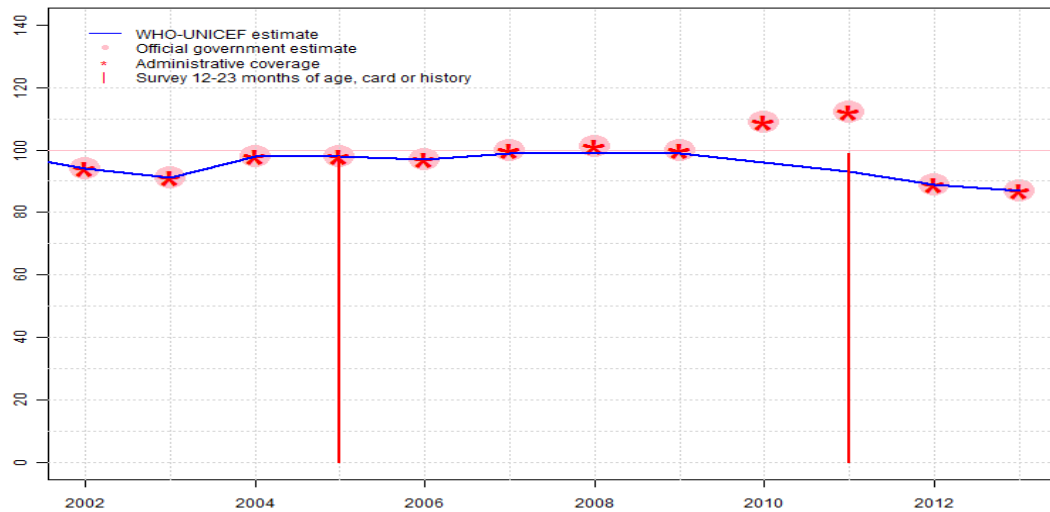


# Honduras - BCG

HND - BCG



	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
Estimate	94	91	98	98	97	99	99	99	96	93	89	87
Estimate GoC	•••	•••	••	•••	•••	•	••	•••	••	••	•••	••
Official	94	91	98	98	97	100	101	100	109	112	89	87
Administrative	94	91	98	98	97	100	101	100	109	112	89	87
Survey	NA	NA	NA	98	NA	NA	NA	NA	NA	99	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.

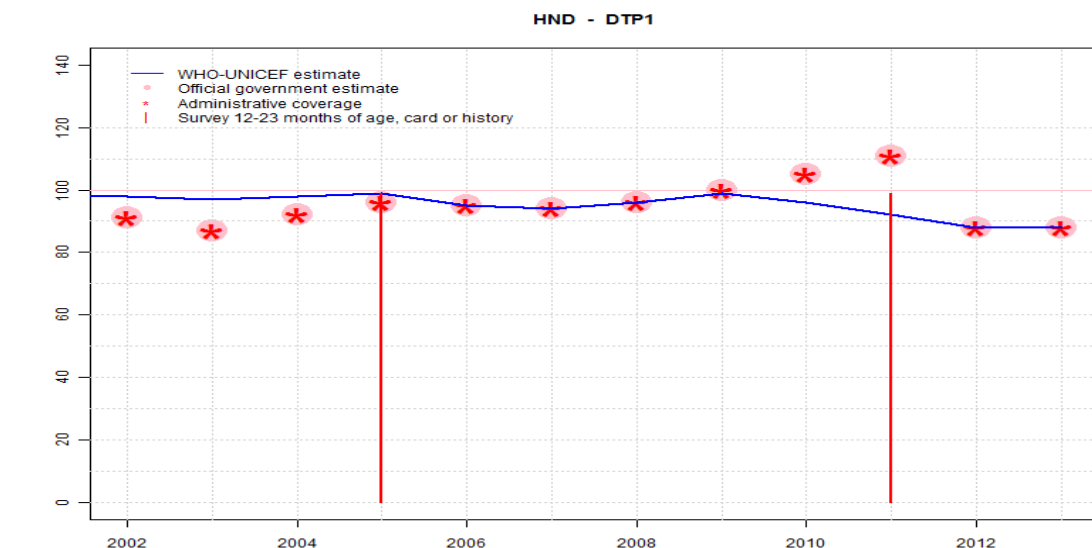
- Estimate is supported by reported data [R+], coverage recalculated with an independent denominator from the World Population Prospects: 2012 revision from the UN Population Division (D+), and at least one supporting survey within 2 years [S+]. While well supported, the estimate still carries a risk 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. GoC=R+ S+ D+
- 2003: Estimate based on coverage reported by national government. GoC=R+ S+ D+
- 2004: Estimate based on coverage reported by national government. GoC=R+ S+ D+
- 2005: 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+
- 2006: Estimate based on coverage reported by national government. GoC=R+ S+ D+
- 2007: Estimate based on coverage reported by national government. Estimate challenged by: D-
- 2008: Estimate based on interpolation between coverage reported by national government. Reported data excluded. 101 percent greater than 100 percent. GoC=D+
- 2009: Estimate based on coverage reported by national government. GoC=R+ S+ D+
- 2010: Estimate based on interpolation between coverage reported by national government. Reported data excluded. 109 percent greater than 100 percent. Estimate of 96 percent changed from previous revision value of 97 percent. GoC=S+ D+
- 2011: Estimate based on interpolation between data reported by national government supported by survey. Survey evidence of 99 percent based on 1 survey(s). Reported data excluded. 112 percent greater than 100 percent. GoC=S+ D+
- 2012: Estimate based on coverage reported by national government. Apparent decline in coverage perhaps due to an increase in target population by 24 percentage between 2011 and 2012. Number of children vaccinated in 2012 decreased in part to insecurity limiting outreach activities (GAVI Report, 2013). Estimate of 89 percent changed from previous revision value of 90 percent. GoC=R+ S+ D+
- 2013: Estimate based on coverage reported by national government. GoC=R+ D+

# Honduras - DTP1



	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
Estimate	98	97	98	99	95	94	96	99	96	92	88	88
Estimate GoC	•	•	•	•	•••	•••	••	•••	••	••	••	••
Official	91	87	92	96	95	94	96	100	105	111	88	88
Administrative	91	87	92	96	95	94	96	100	105	111	88	88
Survey	NA	NA	NA	99	NA	NA	NA	NA	NA	99	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.

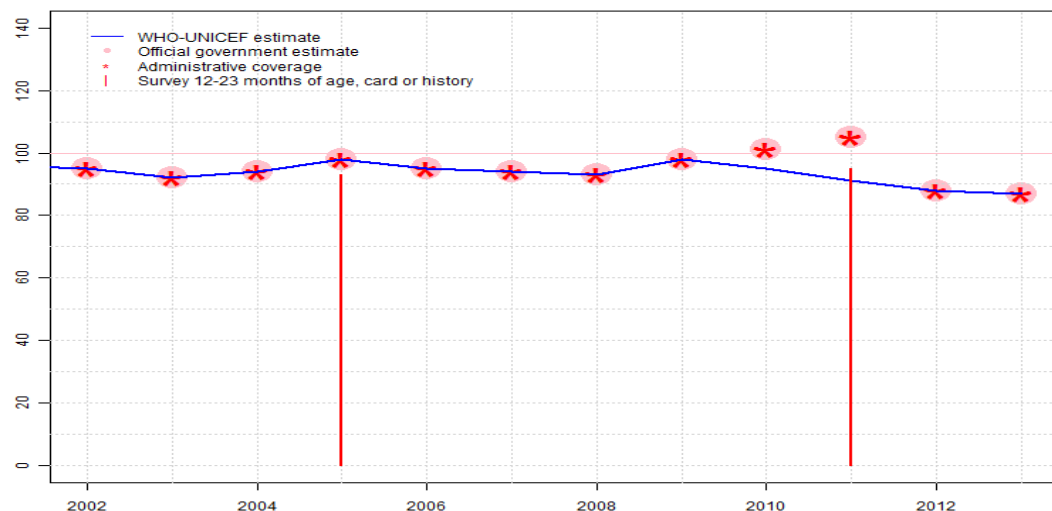
In all cases these estimates should be used with caution and should be assessed in light of the objective for which they are being used.

## Description:

- 2002: DTP1 coverage estimated based on DTP3 coverage of 95. Estimate challenged by: R-
- 2003: DTP1 coverage estimated based on DTP3 coverage of 92. Estimate challenged by: R-
- 2004: DTP1 coverage estimated based on DTP3 coverage of 94. Estimate challenged by: R-
- 2005: DTP1 coverage estimated based on DTP3 coverage of 98. Estimate challenged by: R-
- 2006: Estimate based on coverage reported by national government. GoC=R+ S+ D+
- 2007: Estimate based on coverage reported by national government. GoC=R+ S+ D+
- 2008: Estimate based on coverage reported by national government. GoC=R+ D+
- 2009: Estimate based on coverage reported by national government. GoC=R+ S+ D+
- 2010: Estimate based on interpolation between coverage reported by national government. Reported data excluded. 105 percent greater than 100 percent. GoC=S+ D+
- 2011: Estimate based on interpolation between data reported by national government supported by survey. Survey evidence of 99 percent based on 1 survey(s). Reported data excluded. 111 percent greater than 100 percent. GoC=S+ D+
- 2012: Estimate based on coverage reported by national government. Apparent decline in coverage perhaps due to an increase in target population by 24 percentage between 2011 and 2012. Number of children vaccinated in 2012 decreased in part to insecurity limiting outreach activities (GAVI Report, 2013). GoC=R+ D+
- 2013: Estimate based on coverage reported by national government. GoC=R+ D+

# Honduras - DTP3

HND - DTP3



	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
Estimate	95	92	94	98	95	94	93	98	95	91	88	87
Estimate GoC	•••	•••	•••	•••	•••	•••	••	•••	••	••	•••	•••
Official	95	92	94	98	95	94	93	98	101	105	88	87
Administrative	95	92	94	98	95	94	93	98	101	105	88	87
Survey	NA	NA	NA	93	NA	NA	NA	NA	NA	95	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.

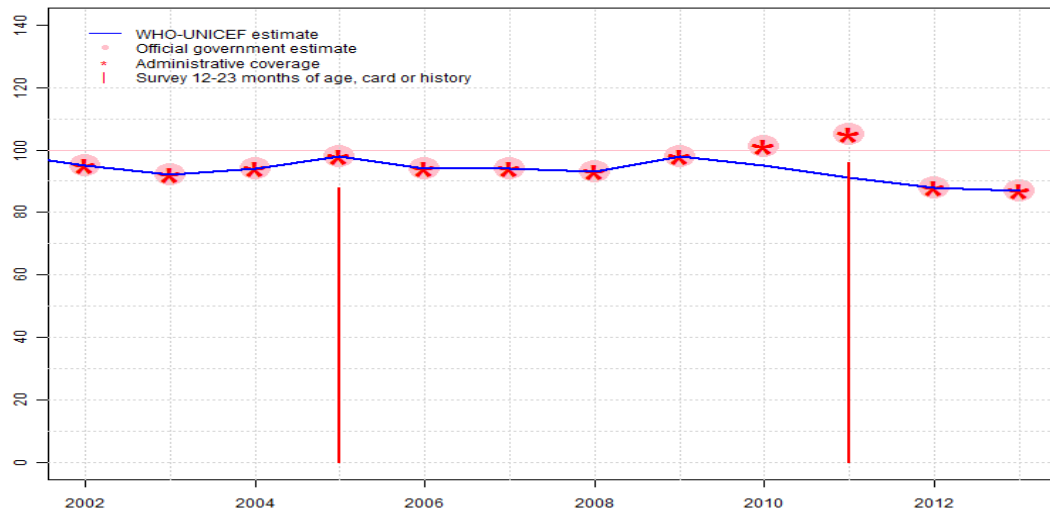
In all cases these estimates should be used with caution and should be assessed in light of the objective for which they are being used.

## Description:

- 2002: Estimate based on coverage reported by national government. GoC=R+ S+ D+
- 2003: Estimate based on coverage reported by national government. GoC=R+ S+ D+
- 2004: Estimate based on coverage reported by national government. GoC=R+ S+ D+
- 2005: Estimate based on coverage reported by national government supported by survey. Survey evidence of 96 percent based on 1 survey(s). Honduras Demographic and Health Survey 2005-2006 card or history results of 93 percent modified for recall bias to 96 percent based on 1st dose card or history coverage of 99 percent, 1st dose card only coverage of 85 percent and 3d dose card only coverage of 82 percent. GoC=R+ S+ D+
- 2006: Estimate based on coverage reported by national government. GoC=R+ S+ D+
- 2007: Estimate based on coverage reported by national government. GoC=R+ S+ D+
- 2008: Estimate based on coverage reported by national government. GoC=R+ D+
- 2009: Estimate based on coverage reported by national government. GoC=R+ S+ D+
- 2010: Estimate based on interpolation between coverage reported by national government. Reported data excluded. 101 percent greater than 100 percent. GoC=S+ D+
- 2011: Estimate based on interpolation between data reported by national government supported by survey. Survey evidence of 97 percent based on 1 survey(s). Honduras Demographic and Health Survey 2011-2012 card or history results of 95 percent modified for recall bias to 97 percent based on 1st dose card or history coverage of 99 percent, 1st dose card only coverage of 90 percent and 3d dose card only coverage of 88 percent. Reported data excluded. 105 percent greater than 100 percent. GoC=S+ D+
- 2012: Estimate based on coverage reported by national government. Apparent decline in coverage perhaps due to an increase in target population by 24 percentage between 2011 and 2012. Number of children vaccinated in 2012 decreased in part to insecurity limiting outreach activities (GAVI Report, 2013). GoC=R+ S+ D+
- 2013: Estimate based on reported administrative data. Estimate is based on official government estimate for HepB3 and Hib3. Official government estimate for DTP5 apparently reported as DTP3 coverage. DTP3 administered as a combined DTP-HepB-Hib pentavalent vaccine. GoC=R+ S+ D+

# Honduras - Pol3

HND - Pol3



	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
Estimate	95	92	94	98	94	94	93	98	95	91	88	87
Estimate GoC	●●●	●●●	●●●	●●●	●●●	●●●	●●	●●●	●●	●●	●●●	●●●
Official	95	92	94	98	94	94	93	98	101	105	88	87
Administrative	95	92	94	98	94	94	93	98	101	105	88	87
Survey	NA	NA	NA	88	NA	NA	NA	NA	NA	96	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.

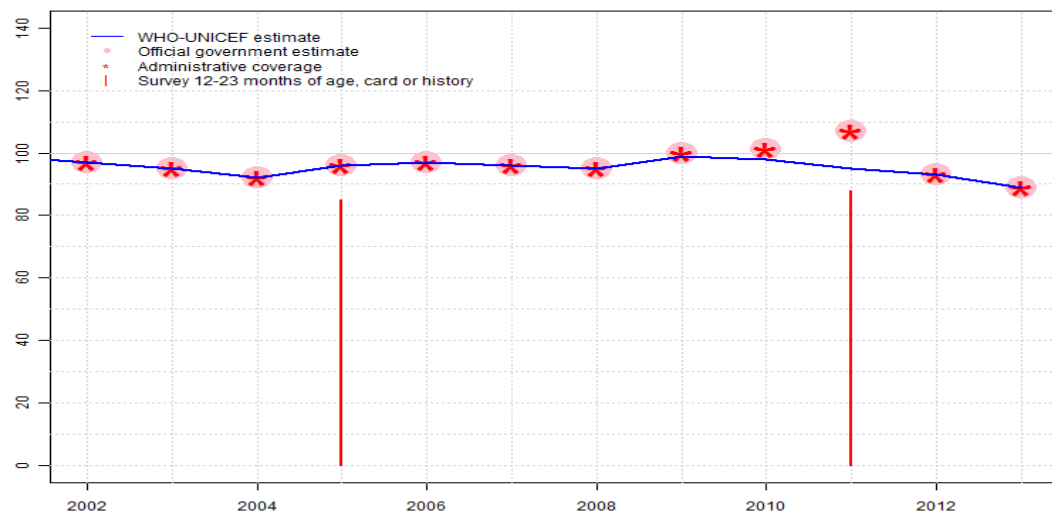
In all cases these estimates should be used with caution and should be assessed in light of the objective for which they are being used.

## Description:

- 2002: Estimate based on coverage reported by national government. GoC=R+ S+ D+
- 2003: Estimate based on coverage reported by national government. GoC=R+ S+ D+
- 2004: Estimate based on coverage reported by national government. GoC=R+ S+ D+
- 2005: Estimate based on coverage reported by national government supported by survey. Survey evidence of 95 percent based on 1 survey(s). Honduras Demographic and Health Survey 2005-2006 card or history results of 88 percent modified for recall bias to 95 percent based on 1st dose card or history coverage of 98 percent, 1st dose card only coverage of 85 percent and 3d dose card only coverage of 82 percent. GoC=R+ S+ D+
- 2006: Estimate based on coverage reported by national government. GoC=R+ S+ D+
- 2007: Estimate based on coverage reported by national government. GoC=R+ S+ D+
- 2008: Estimate based on coverage reported by national government. GoC=R+ D+
- 2009: Estimate based on coverage reported by national government. GoC=R+ S+ D+
- 2010: Estimate based on interpolation between coverage reported by national government. Reported data excluded. 101 percent greater than 100 percent. GoC=S+ D+
- 2011: Estimate based on interpolation between data reported by national government supported by survey. Survey evidence of 97 percent based on 1 survey(s). Honduras Demographic and Health Survey 2011-2012 card or history results of 96 percent modified for recall bias to 97 percent based on 1st dose card or history coverage of 99 percent, 1st dose card only coverage of 90 percent and 3d dose card only coverage of 88 percent. Reported data excluded. 105 percent greater than 100 percent. GoC=S+ D+
- 2012: Estimate based on coverage reported by national government. Apparent decline in coverage perhaps due to an increase in target population by 24 percentage between 2011 and 2012. Number of children vaccinated in 2012 decreased in part to insecurity limiting outreach activities (GAVI Report, 2013). GoC=R+ S+ D+
- 2013: Estimate based on coverage reported by national government. GoC=R+ S+ D+

# Honduras - MCV

HND - MCV



	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
Estimate	97	95	92	96	97	96	95	99	98	95	93	89
Estimate GoC	•	•	•	•	•	•	•	•	•	•	•	•
Official	97	95	92	96	97	96	95	100	101	107	93	89
Administrative	97	95	92	96	97	96	95	100	101	107	93	89
Survey	NA	NA	NA	85	NA	NA	NA	NA	NA	88	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.

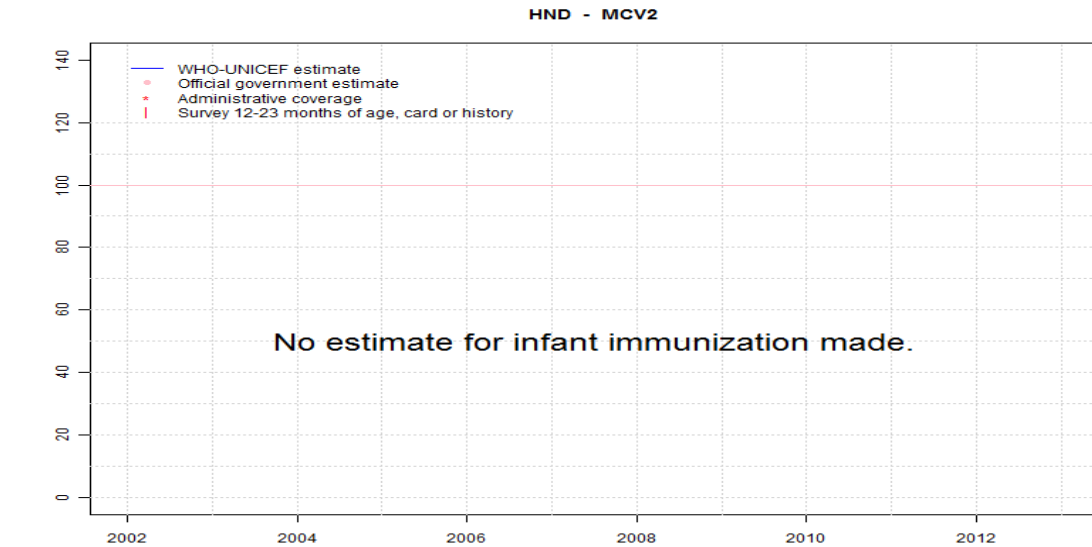
- Estimate is supported by reported data [R+], coverage recalculated with an independent denominator from the World Population Prospects: 2012 revision from the UN Population Division (D+), and at least one supporting survey within 2 years [S+]. While well supported, the estimate still carries a risk 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. Estimate challenged by: S-
- 2003: Estimate based on coverage reported by national government. Estimate challenged by: S-
- 2004: Estimate based on coverage reported by national government. Estimate challenged by: S-
- 2005: Estimate based on coverage reported by national government. Honduras Demographic and Health Survey 2005-2006 results ignored by working group. Measles vaccination recommended between 12 and 23 months of age. Survey cohort underestimates coverage. Estimate challenged by: S-
- 2006: Estimate based on coverage reported by national government. Estimate challenged by: S-
- 2007: Estimate based on coverage reported by national government. Estimate challenged by: S-
- 2008: Estimate based on coverage reported by national government. Estimate challenged by: S-
- 2009: Estimate based on coverage reported by national government. Estimate challenged by: D-S-
- 2010: Estimate based on interpolation between data reported by national government. Reported data excluded. 101 percent greater than 100 percent. Estimate challenged by: S-
- 2011: Estimate based on interpolation between data reported by national government. Honduras Demographic and Health Survey 2011-2012 results ignored by working group. Measles vaccination recommended between 12 and 23 months of age. Survey cohort underestimates coverage. Reported data excluded. 107 percent greater than 100 percent. Estimate challenged by: S-
- 2012: Estimate based on coverage reported by national government. Apparent decline in coverage perhaps due to an increase in target population by 24 percentage between 2011 and 2012. Number of children vaccinated in 2012 decreased in part to insecurity limiting outreach activities (GAVI Report, 2013). Estimate challenged by: S-
- 2013: Estimate based on coverage reported by national government. Estimate challenged by: S-

# Honduras - MCV2



	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

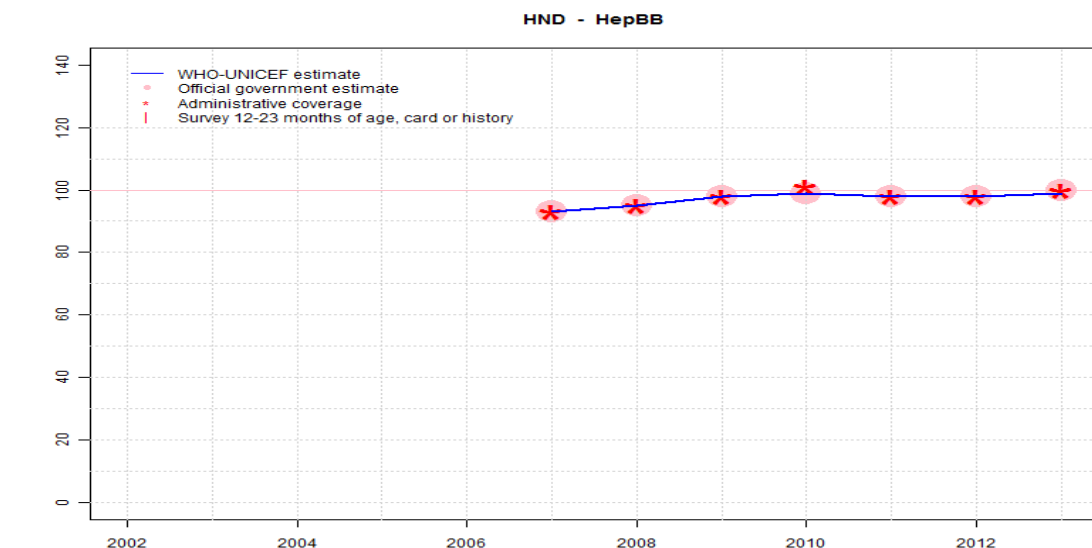
The WHO and UNICEF estimates of national immunization coverage (wuenic) are based on data and information that are of varying, and, in some instances, unknown quality. Beginning with the 2011 revision we describe the grade of confidence (GoC) we have in these estimates. As there is no underlying probability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



# Honduras - HepBB



	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
Estimate	NA	NA	NA	NA	NA	93	95	98	99	98	98	99
Estimate GoC	NA	NA	NA	NA	NA	•	•	•	•	•	•	•
Official	NA	NA	NA	NA	NA	93	95	98	99	98	98	100
Administrative	NA	NA	NA	NA	NA	93	95	98	101	98	98	100
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.

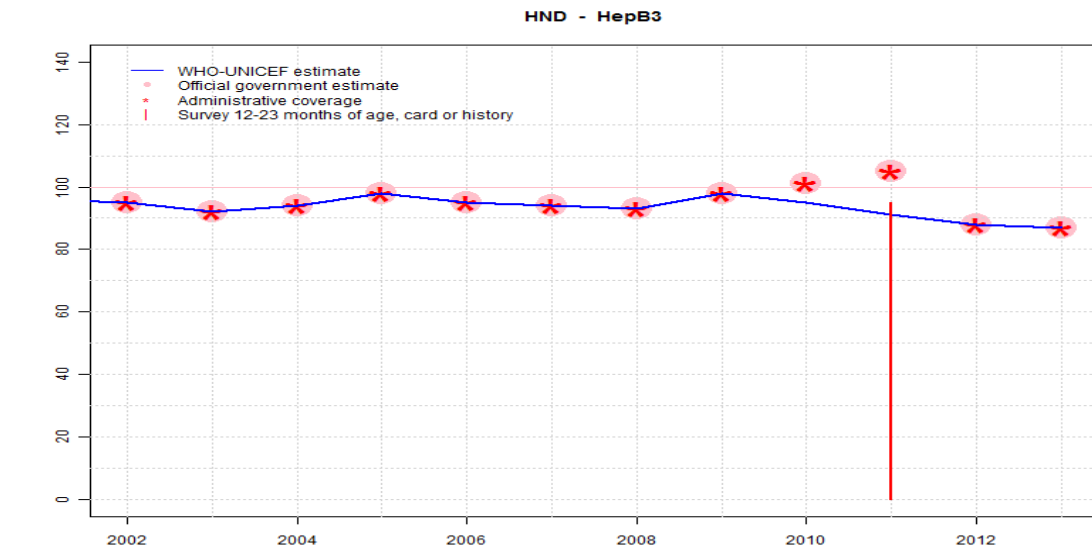
In all cases these estimates should be used with caution and should be assessed in light of the objective for which they are being used.

## Description:

- 2007: Estimate based on coverage reported by national government. Estimate challenged by: D-
- 2008: Estimate based on coverage reported by national government. Estimate challenged by: D-
- 2009: Estimate based on coverage reported by national government. Estimate challenged by: D-
- 2010: Estimate based on coverage reported by national government. Estimate challenged by: D-
- 2011: Estimate based on coverage reported by national government. Estimate challenged by: D-
- 2012: Estimate based on coverage reported by national government. Estimate challenged by: D-
- 2013: Estimate based on coverage reported by national government. Estimate challenged by: D-



# Honduras - HepB3



	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
Estimate	95	92	94	98	95	94	93	98	95	91	88	87
Estimate GoC	••	••	••	••	••	••	••	•••	••	••	•••	•••
Official	95	92	94	98	95	94	93	98	101	105	88	87
Administrative	95	92	94	98	95	94	93	98	101	105	88	87
Survey	NA	NA	NA	NA	NA	NA	NA	NA	NA	95	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.

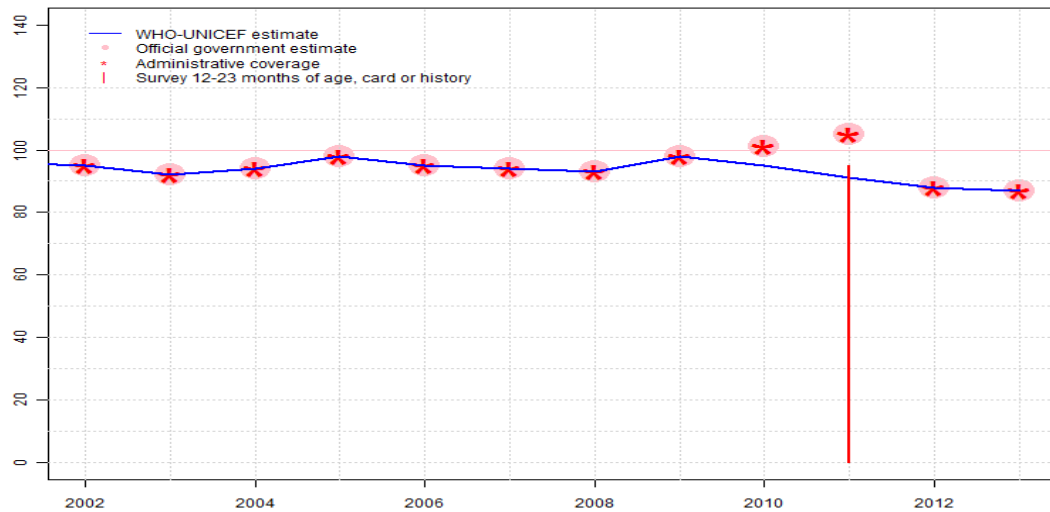
In all cases these estimates should be used with caution and should be assessed in light of the objective for which they are being used.

## Description:

- 2002: Estimate based on reported data. GoC=R+ D+
- 2003: Estimate based on reported data. GoC=R+ D+
- 2004: Estimate based on reported data. GoC=R+ D+
- 2005: Estimate based on reported data. GoC=R+ D+
- 2006: Estimate based on reported data. GoC=R+ D+
- 2007: Estimate based on reported data. GoC=R+ D+
- 2008: Estimate based on reported data. GoC=R+ D+
- 2009: Estimate based on reported data. GoC=R+ S+ D+
- 2010: Estimate based on interpolation between data reported by national government. Reported data excluded. 101 percent greater than 100 percent. GoC=S+ D+
- 2011: Estimate based on interpolation between data reported by national government supported by survey. Survey evidence of 97 percent based on 1 survey(s). Honduras Demographic and Health Survey 2011-2012 card or history results of 95 percent modified for recall bias to 97 percent based on 1st dose card or history coverage of 99 percent, 1st dose card only coverage of 90 percent and 3d dose card only coverage of 88 percent. Reported data excluded. 105 percent greater than 100 percent. GoC=S+ D+
- 2012: Estimate based on coverage reported by national government. Apparent decline in coverage perhaps due to an increase in target population by 24 percentage between 2011 and 2012. Number of children vaccinated in 2012 decreased in part to insecurity limiting outreach activities (GAVI Report, 2013). GoC=R+ S+ D+
- 2013: Estimate based on coverage reported by national government. GoC=R+ S+ D+

# Honduras - Hib3

HND - Hib3



	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
Estimate	95	92	94	98	95	94	93	98	95	91	88	87
Estimate GoC	••	••	••	••	••	••	••	•••	••	••	•••	•••
Official	95	92	94	98	95	94	93	98	101	105	88	87
Administrative	95	92	94	98	95	94	93	98	101	105	88	87
Survey	NA	NA	NA	NA	NA	NA	NA	NA	NA	95	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.

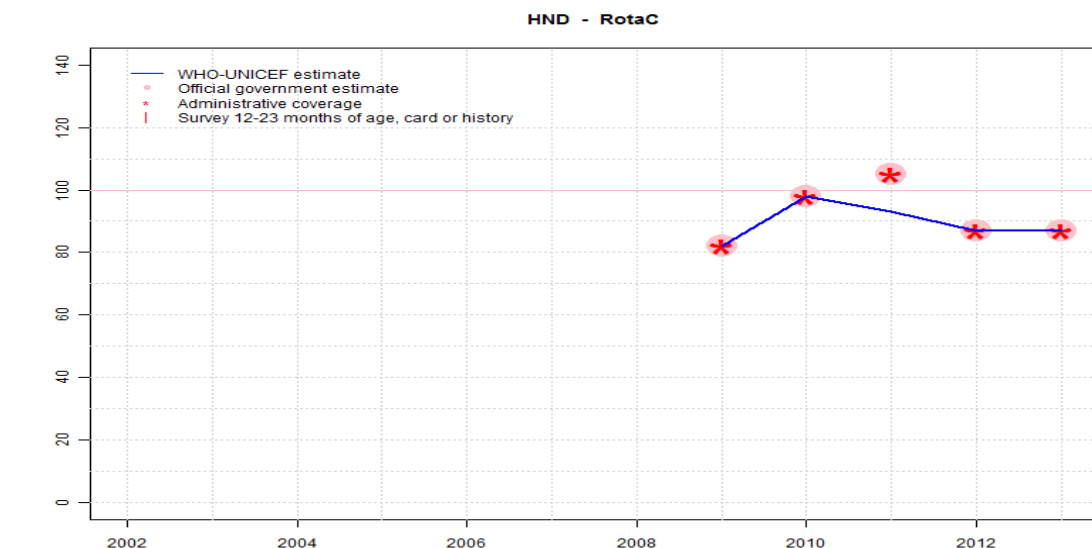
- Estimate is supported by reported data [R+], coverage recalculated with an independent denominator from the World Population Prospects: 2012 revision from the UN Population Division (D+), and at least one supporting survey within 2 years [S+]. While well supported, the estimate still carries a risk 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. GoC=R+ D+
- 2003: Estimate based on reported data. GoC=R+ D+
- 2004: Estimate based on reported data. GoC=R+ D+
- 2005: Estimate based on reported data. GoC=R+ D+
- 2006: Estimate based on reported data. GoC=R+ D+
- 2007: Estimate based on reported data. GoC=R+ D+
- 2008: Estimate based on reported data. GoC=R+ D+
- 2009: Estimate based on reported data. GoC=R+ S+ D+
- 2010: Estimate based on interpolation between data reported by national government. Reported data excluded. 101 percent greater than 100 percent. GoC=S+ D+
- 2011: Estimate based on interpolation between data reported by national government supported by survey. Survey evidence of 97 percent based on 1 survey(s). Honduras Demographic and Health Survey 2011-2012 card or history results of 95 percent modified for recall bias to 97 percent based on 1st dose card or history coverage of 99 percent, 1st dose card only coverage of 90 percent and 3d dose card only coverage of 88 percent. Reported data excluded. 105 percent greater than 100 percent. GoC=S+ D+
- 2012: Estimate based on coverage reported by national government. Apparent decline in coverage perhaps due to an increase in target population by 24 percentage between 2011 and 2012. Number of children vaccinated in 2012 decreased in part to insecurity limiting outreach activities (GAVI Report, 2013). GoC=R+ S+ D+
- 2013: Estimate based on coverage reported by national government. GoC=R+ S+ D+

# Honduras - RotaC



	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
Estimate	NA	NA	NA	NA	NA	NA	NA	82	98	93	87	87
Estimate GoC	NA	NA	NA	NA	NA	NA	NA	•	•	••	••	••
Official	NA	NA	NA	NA	NA	NA	NA	82	98	105	87	87
Administrative	NA	NA	NA	NA	NA	NA	NA	82	98	105	87	87
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.

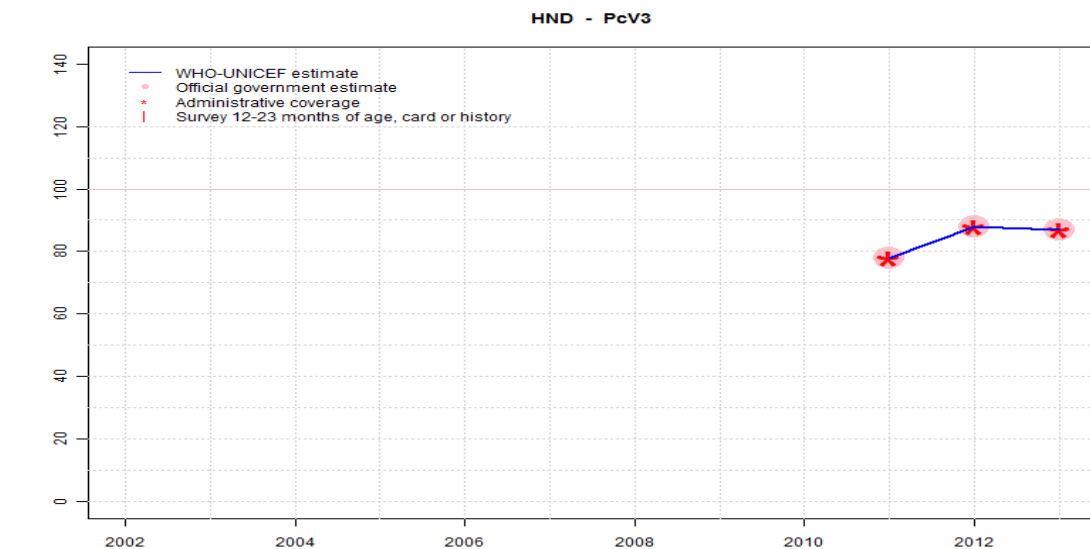
- Estimate is supported by reported data [R+], coverage recalculated with an independent denominator from the World Population Prospects: 2012 revision from the UN Population Division (D+), and at least one supporting survey within 2 years [S+]. While well supported, the estimate still carries a risk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

- 2009: Estimate based on coverage reported by national government. Rotavirus vaccine introduced in February 2009. Estimate challenged by: D-
- 2010: Estimate based on coverage reported by national government. Estimate challenged by: D-
- 2011: Estimate based on interpolation between reported values. Reported data excluded. 105 percent greater than 100 percent. GoC=D+
- 2012: Estimate based on coverage reported by national government. Apparent decline in coverage perhaps due to an increase in target population by 24 percentage between 2011 and 2012. Number of children vaccinated in 2012 decreased in part to insecurity limiting outreach activities (GAVI Report, 2013). GoC=R+ D+
- 2013: Estimate based on coverage reported by national government. GoC=R+ D+

# Honduras - PcV3



	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
Estimate	NA	NA	NA	NA	NA	NA	NA	NA	NA	78	88	87
Estimate GoC	NA	NA	NA	NA	NA	NA	NA	NA	NA	●●	●●	●●
Official	NA	NA	NA	NA	NA	NA	NA	NA	NA	78	88	87
Administrative	NA	NA	NA	NA	NA	NA	NA	NA	NA	78	88	87
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:

- 2011: Estimate based on coverage reported by national government. Pneumococcal conjugate vaccine was introduced in 2011. GoC=R+D+
- 2012: Estimate based on coverage reported by national government. GoC=R+D+
- 2013: Estimate based on coverage reported by national government. GoC=R+D+

# Honduras - survey details

## 2011 Encuesta Nacional de Demografía y Salud 2011-2012

Vaccine	Confirmation method	Coverage	Age cohort	Sample	Cards seen
BCG	Card	89	12-23 m	1907	90
BCG	Card or History	99	12-23 m	2127	90
BCG	History	10	12-23 m	220	90
DTP1	Card	90	12-23 m	1907	90
DTP1	Card or History	99	12-23 m	2127	90
DTP1	History	10	12-23 m	220	90
DTP3	Card	88	12-23 m	1907	90
DTP3	Card or History	95	12-23 m	2127	90
DTP3	History	8	12-23 m	220	90
HepB1	Card	90	12-23 m	1907	90
HepB1	Card or History	99	12-23 m	2127	90
HepB1	History	10	12-23 m	220	90
HepB3	Card	88	12-23 m	1907	90
HepB3	Card or History	95	12-23 m	2127	90
HepB3	History	8	12-23 m	220	90
Hib1	Card	90	12-23 m	1907	90
Hib1	Card or History	99	12-23 m	2127	90
Hib1	History	10	12-23 m	220	90
Hib3	Card	88	12-23 m	1907	90
Hib3	Card or History	95	12-23 m	2127	90
Hib3	History	8	12-23 m	220	90
MCV	Card	79	12-23 m	1907	90
MCV	Card or History	88	12-23 m	2127	90
MCV	History	8	12-23 m	220	90
Pol1	Card	90	12-23 m	1907	90
Pol1	Card or History	99	12-23 m	2127	90
Pol1	History	10	12-23 m	220	90
Pol3	Card	88	12-23 m	1907	90
Pol3	Card or History	96	12-23 m	2127	90
Pol3	History	8	12-23 m	220	90

## 2005 Encuesta Nacional de Demografía y Salud 2005-2006

Vaccine	Confirmation method	Coverage	Age cohort	Sample	Cards seen
BCG	Card	84	12-23 m	1916	85
BCG	Card or History	98	12-23 m	1916	85
BCG	History	15	12-23 m	1916	85
DTP1	Card	85	12-23 m	1916	85
DTP1	Card or History	99	12-23 m	1916	85
DTP1	History	14	12-23 m	1916	85
DTP3	Card	82	12-23 m	1916	85
DTP3	Card or History	93	12-23 m	1916	85
DTP3	History	10	12-23 m	1916	85
MCV	Card	73	12-23 m	1916	85
MCV	Card or History	85	12-23 m	1916	85
MCV	History	12	12-23 m	1916	85
Pol1	Card	85	12-23 m	1916	85
Pol1	Card or History	98	12-23 m	1916	85
Pol1	History	14	12-23 m	1916	85
Pol3	Card	82	12-23 m	1916	85
Pol3	Card or History	88	12-23 m	1916	85
Pol3	History	5	12-23 m	1916	85

## 2000 Encuesta Nacional de Epidemiología y Salud Familiar 2001

Vaccine	Confirmation method	Coverage	Age cohort	Sample	Cards seen
BCG	Card or History	98	12-23 m	795	87
DTP3	Card or History	91	12-23 m	795	87
MCV	Card or History	83	12-23 m	795	87
Pol3	Card or History	91	12-23 m	795	87

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

## Honduras

### 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	94
2003	94
2004	94
2005	90
2006	94
2007	94
2008	94
2009	94
2010	94
2011	94
2012	94
2013	94

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<sup>1</sup> 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.