

**WHO/UNICEF  
Review of National Immunization Coverage  
1980-2008**

---

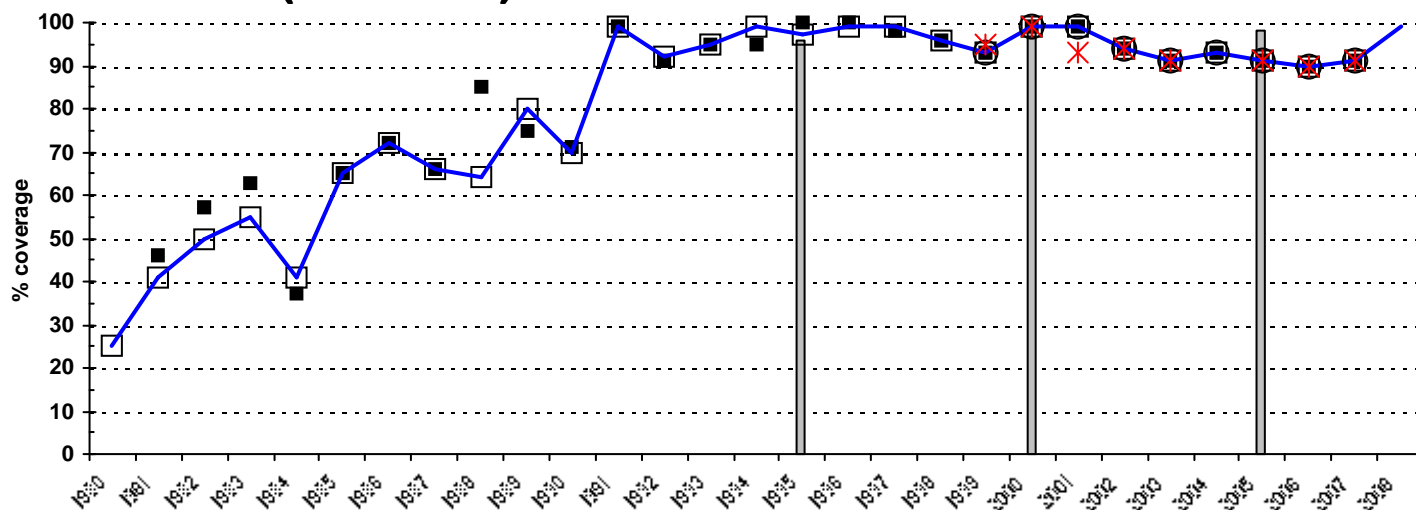
***Honduras***

---

**July, 2009**

# Honduras

## BCG (1980-2008)



### Description of trend

Trend follows officially reported data confirmed by surveys. Revised population projections were used in 2008.

### Data presented in chart

Year	WHO/ UNICEF estimate (%)	Reported to:*		Government official estimate (%)	Reported doses administered (%)**	Survey data (%)***	
		WHO (%)	UNICEF (%)			Survey 12-23 months	Survey <12 months
1980	25	25					
1981	41	41	46				
1982	50	50	57				
1983	55	55	63				
1984	41	41	37				
1985	65	65	65				
1986	72	72	72				
1987	66	66	66				
1988	64	64	85				
1989	80	80	75				
1990	70	70	71				
1991	99	99	99				
1992	92	92	91				
1993	95	95	95				
1994	99	99	95				
1995	97	97	100			96	
1996	99	99	100				
1997	99	99	98				
1998	96	96	96				
1999	93	93	93	93	95		
2000	99	99	99	99	99	98	
2001	99	99	99	99	93		
2002	94	94	94	94	94		
2003	91	91	91	91	91		
2004	93	93	93	93			
2005	91	91	91	91	91	98	
2006	90	90	90	90	90		
2007	91	91	91	91	91		
2008	99	101	101	101	101		

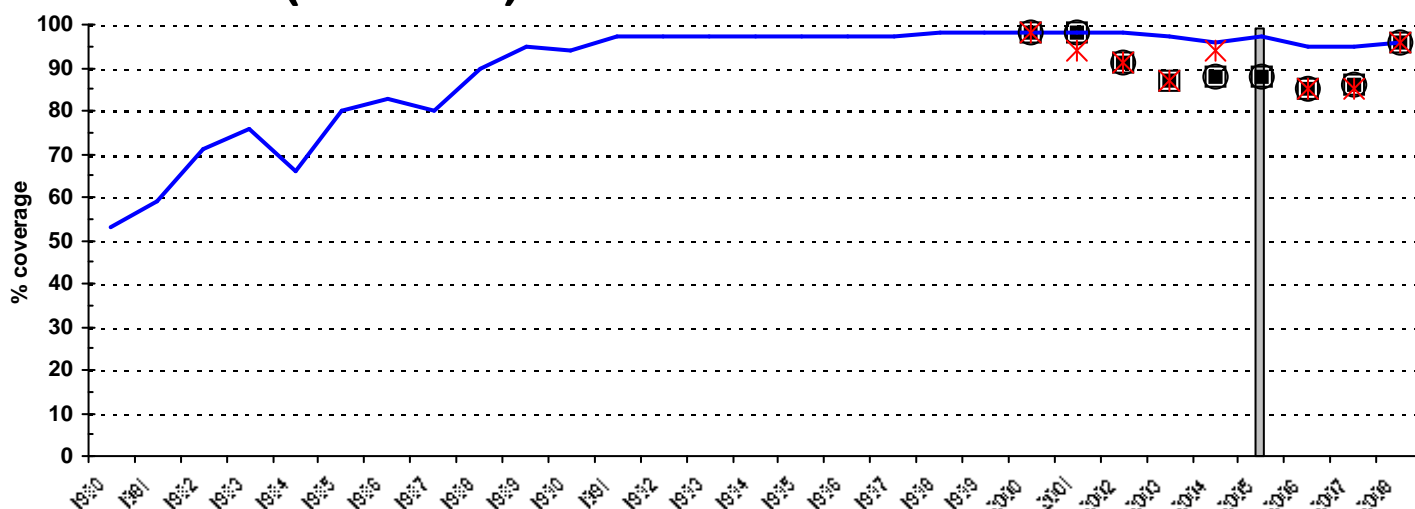
\*Prior to 1998 national reports to WHO/UNICEF did not specify whether information was derived from administrative records, surveys or other sources.

\*\*Coverage based on registration of doses administered by health care providers.

\*\*\*In case more than one survey was implemented in a certain year the highest value is presented. Details of all data are presented in the second section of this report.

# Honduras

## DTP1 (1980-2008)



### Description of trend

WHO and UNICEF began requesting data on DTP1 coverage in 2001 and have received national reports reflecting DTP1 coverage from 2001 onward. The DTP1 estimates from 2000-2001 are based on these reports. For other years the estimates are derived from the WHO/UNICEF estimates of DTP3 and the relationship between the levels of DTP3 coverage and the drop-out between DTP1 and DTP3. This relationship results from an analysis of 282 surveys conducted in 101 countries which were published between 1980 and 2004. Revised population projections were used in 2008.

### Data presented in chart

Year	WHO/ UNICEF estimate (%)	Reported to:*		Government official estimate (%)	Reported doses administered (%)**	Survey data (%)***	
		WHO (%)	UNICEF (%)			Survey 12-23 months	Survey <12 months
	—	□	■	○	✕	▮	+
1980	53						
1981	59						
1982	71						
1983	76						
1984	66						
1985	80						
1986	83						
1987	80						
1988	90						
1989	95						
1990	94						
1991	97						
1992	97						
1993	97						
1994	97						
1995	97						
1996	97						
1997	97						
1998	98						
1999	98						
2000	98	98	98	98	98		
2001	98	98	98	98	94		
2002	98	91	91	91	91		
2003	97	87	87		87		
2004	96	88	88	88	94		
2005	97	88	88	88		99	
2006	95	85	85	85	85		
2007	95	86	86	86	85		
2008	96	96	96	96	96		

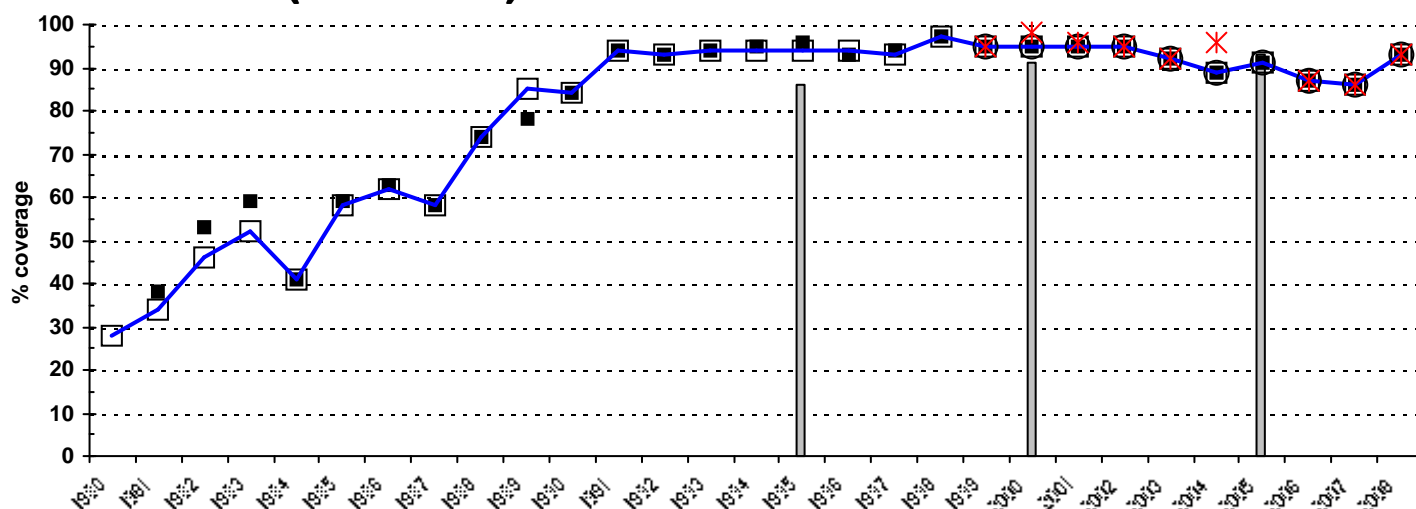
\*Prior to 1998 national reports to WHO/UNICEF did not specify whether information was derived from administrative records, surveys or other sources.

\*\*Coverage based on registration of doses administered by health care providers.

\*\*\*In case more than one survey was implemented in a certain year the highest value is presented. Details of all data are presented in the second section of this report.

# Honduras

## DTP3 (1980-2008)



### Description of trend

Trend follows officially reported data supported by a surveys. Revised population projections were used in 2008.

### Data presented in chart

Year	WHO/ UNICEF estimate (%)	Reported to:*		Government official estimate (%)	Reported doses administered (%)**	Survey data (%)***	
		WHO (%)	UNICEF (%)			Survey 12-23 months	Survey <12 months
1980	28	28					
1981	34	34	38				
1982	46	46	53				
1983	52	52	59				
1984	41	41	41				
1985	58	58	59				
1986	62	62	63				
1987	58	58	58				
1988	74	74	74				
1989	85	85	78				
1990	84	84	84				
1991	94	94	94				
1992	93	93	93				
1993	94	94	94				
1994	94	94	95				
1995	94	94	96			86	
1996	94	94	93				
1997	93	93	94				
1998	97	97	97				
1999	95	95	95	95	95		
2000	95	95	95	95	98	91	
2001	95	95	95	95	96		
2002	95	95	95	95	95		
2003	92	92	92	92	92		
2004	89	89	89	89	96		
2005	91	91	91	91		93	
2006	87	87	87	87	87		
2007	86	86	86	86	86		
2008	93	93	93	93	93		

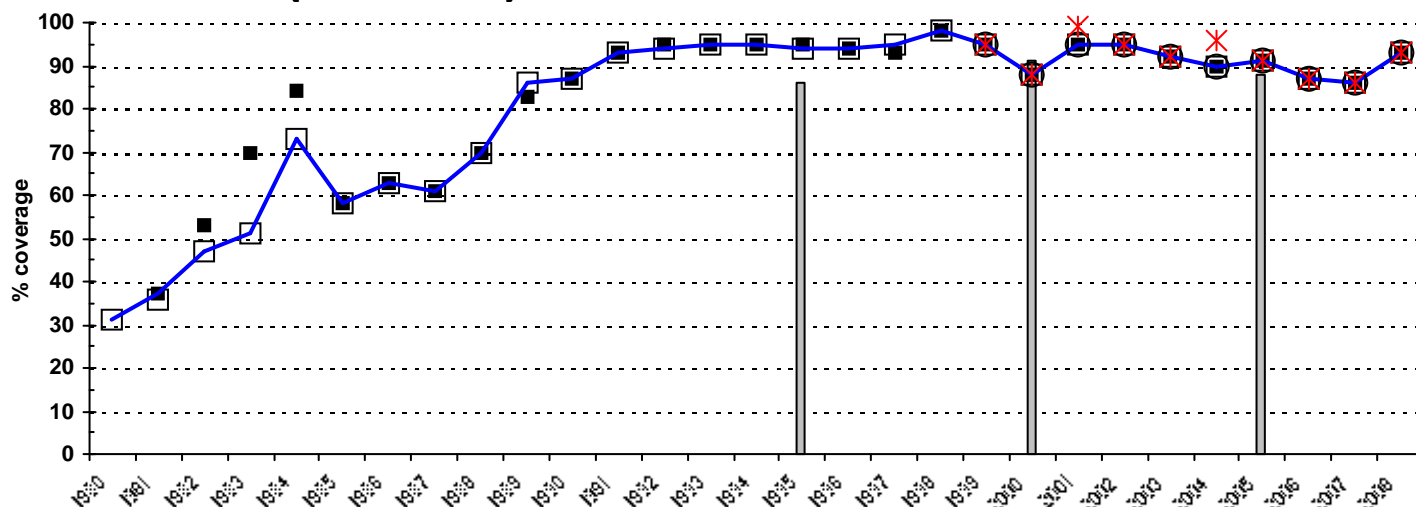
\*Prior to 1998 national reports to WHO/UNICEF did not specify whether information was derived from administrative records, surveys or other sources.

\*\*Coverage based on registration of doses administered by health care providers.

\*\*\*In case more than one survey was implemented in a certain year the highest value is presented. Details of all data are presented in the second section of this report.

# Honduras

## Pol3 (1980-2008)



### Description of trend

Trend follows officially reported data supported by surveys. Revised population projections were used in 2008.

### Data presented in chart

Year	WHO/ UNICEF estimate (%)	Reported to:*		Government official estimate (%)	Reported doses administered (%)**	Survey data (%)***	
		WHO (%)	UNICEF (%)			Survey 12-23 months	Survey <12 months
1980	31	31	37				
1981	37	47	53				
1982	47	51	70				
1983	51	73	84				
1984	73	58	58				
1985	58	63	63				
1986	63	61	61				
1987	61	70	70				
1988	70	86	83				
1989	86	87	87				
1990	87	93	93				
1991	93	94	95				
1992	94	95	95				
1993	95	95	95				
1994	95	94	95				
1995	94	94	94			86	
1996	94	95	93				
1997	95	98	98				
1998	98	95	95	95	95		
1999	95	88	88	88	88	91	
2000	88	95	95	95	99		
2001	95	95	95	95	95		
2002	95	92	92	92	92		
2003	92	90	90	90	96		
2004	90	91	91	91	91	88	
2005	91	87	87	87	87		
2006	87	86	86	86	86		
2007	86	93	93	93	93		
2008	93						

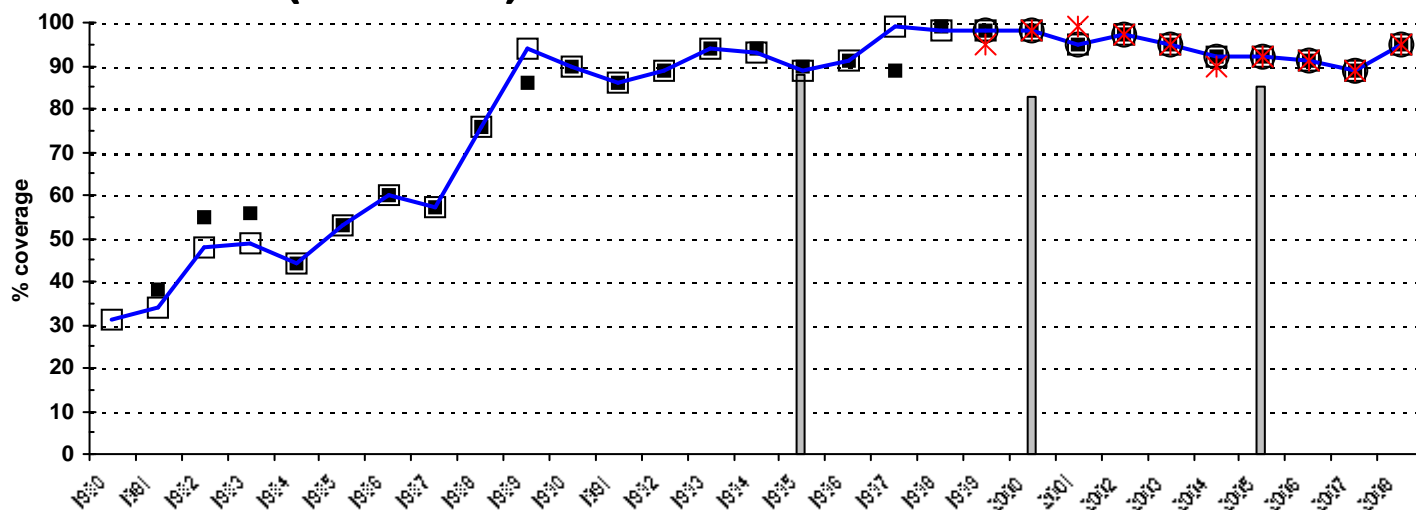
\*Prior to 1998 national reports to WHO/UNICEF did not specify whether information was derived from administrative records, surveys or other sources.

\*\*Coverage based on registration of doses administered by health care providers.

\*\*\*In case more than one survey was implemented in a certain year the highest value is presented. Details of all data are presented in the second section of this report.

# Honduras

## MCV (1980-2008)



### Description of trend

Trend follows officially reported data supported by surveys. Revised population projections were used in 2008.

### Data presented in chart

Year	WHO/ UNICEF estimate (%)	Reported to:*		Government official estimate (%)	Reported doses administered (%)**	Survey data (%)***	
		WHO (%)	UNICEF (%)			Survey 12-23 months	Survey <12 months
1980	31	31					
1981	34	34	38				
1982	48	48	55				
1983	49	49	56				
1984	44	44	44				
1985	53	53	53				
1986	60	60	60				
1987	57	57	57				
1988	76	76	76				
1989	94	94	86				
1990	90	90	90				
1991	86	86	86				
1992	89	89	89				
1993	94	94	94				
1994	93	93	94				
1995	89	89	90			88	
1996	91	91	91				
1997	99	99	89				
1998	98	98	99				
1999	98	98	98	98	95		
2000	98	98	98	98	98	83	
2001	95	95	95	95	99		
2002	97	97	97	97	97		
2003	95	95	95	95	95		
2004	92	92	92	92	90		
2005	92	92	92	92	92	85	
2006	91	91	91	91	91		
2007	89	89	89	89	89		
2008	95	95	95	95	95		

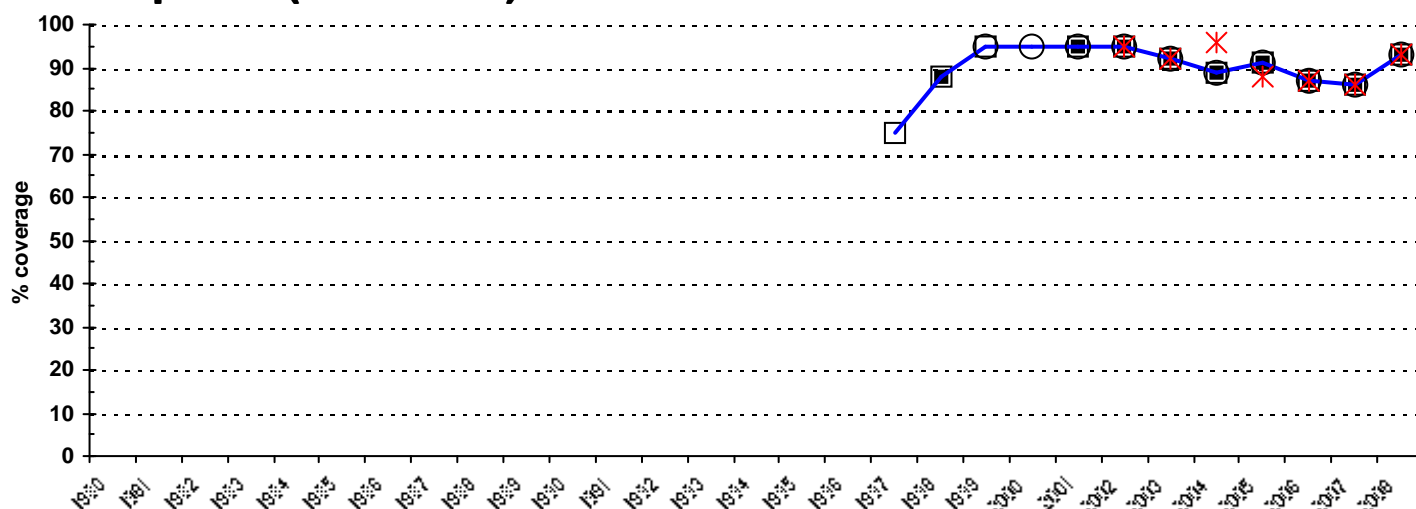
\*Prior to 1998 national reports to WHO/UNICEF did not specify whether information was derived from administrative records, surveys or other sources.

\*\*Coverage based on registration of doses administered by health care providers.

\*\*\*In case more than one survey was implemented in a certain year the highest value is presented. Details of all data are presented in the second section of this report.

# Honduras

## HepB3 (1980-2008)



### Description of trend

Hepatitis B vaccine was introduced in 1998. Coverage estimates are based on reported data. Revised population projections were used in 2008.

### Data presented in chart

Year	WHO/ UNICEF estimate (%)	Reported to:*		Government official estimate (%)	Reported doses administered (%)**	Survey data (%)***	
		WHO (%)	UNICEF (%)			Survey 12-23 months	Survey <12 months
1980							
1981							
1982							
1983							
1984							
1985							
1986							
1987							
1988							
1989							
1990							
1991							
1992							
1993							
1994							
1995							
1996							
1997	75	75					
1998	88	88	88				
1999	95	95		95			
2000	95			95			
2001	95	95	95	95			
2002	95	95	95	95	95		
2003	92	92	92	92	92		
2004	89	89	89	89	96		
2005	91	91	91	91	88		
2006	87	87	87	87	87		
2007	86	86	86	86	86		
2008	93	93	93	93	93		

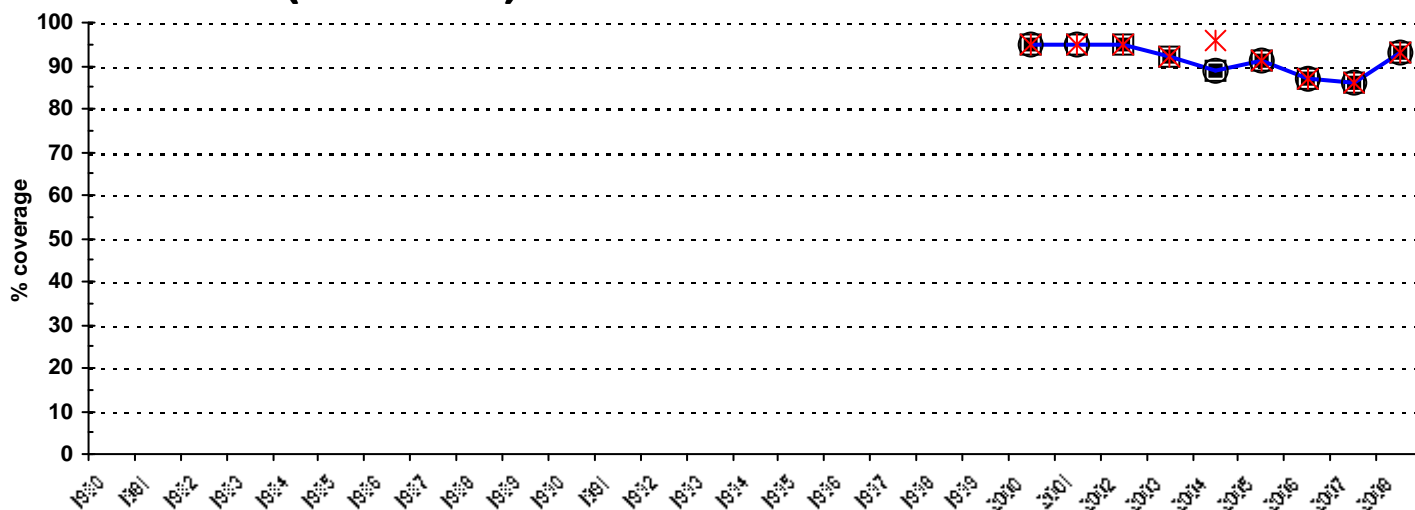
\*Prior to 1998 national reports to WHO/UNICEF did not specify whether information was derived from administrative records, surveys or other sources.

\*\*Coverage based on registration of doses administered by health care providers.

\*\*\*In case more than one survey was implemented in a certain year the highest value is presented. Details of all data are presented in the second section of this report.

# Honduras

## Hib3 (1980-2008)



### Description of trend

Hib vaccine was introduced in 1999. Coverage estimates are based on reported data. Revised population projections were used in 2008.

### Data presented in chart

Year	WHO/ UNICEF estimate (%)	Reported to:*		Government official estimate (%)	Reported doses administered (%)**	Survey data (%)***	
		WHO (%)	UNICEF (%)			Survey 12-23 months	Survey <12 months
1980							
1981							
1982							
1983							
1984							
1985							
1986							
1987							
1988							
1989							
1990							
1991							
1992							
1993							
1994							
1995							
1996							
1997							
1998							
1999							
2000	95	95	95	95	95		
2001	95	95	95	95	95		
2002	95	95	95		95		
2003	92	92	92		92		
2004	89	89	89	89	96		
2005	91	91	91	91	91		
2006	87	87	87	87	87		
2007	86	86	86	86	86		
2008	93	93	93	93	93		

\*Prior to 1998 national reports to WHO/UNICEF did not specify whether information was derived from administrative records, surveys or other sources.

\*\*Coverage based on registration of doses administered by health care providers.

\*\*\*In case more than one survey was implemented in a certain year the highest value is presented. Details of all data are presented in the second section of this report.

# Honduras

## Details Survey Data

### Year Source

Antigen	Confirmation method	% coverage	Compliance with schedule	Age group	Sample size	% cards seen	Survey year	Comments
<b>2005 Encuesta Nacional de Demografía y Salud 2005-2006</b>								
BCG	Card or History	98.4		12-23 m	1916	84.9	2006	
DTP1	Card or History	99.2		12-23 m	1916	84.9	2006	
DTP3	Card or History	92.8		12-23 m	1916	84.9	2006	
Pol3	Card or History	87.7		12-23 m	1916	84.9	2006	
MCV	Card or History	85.4		12-23 m	1916	84.9	2006	
<b>2000 Encuesta Nacional de Epidemiología y Salud Familiar 2001, 2002</b>								
BCG	Card or History	98.2		12-23 m	795	87.2	2001	
DTP1	Card or History			12-23 m	795	87.2	2001	
DTP3	Card or History	90.6		12-23 m	795	87.2	2001	
Pol3	Card or History	91.1		12-23 m	795	87.2	2001	
MCV	Card or History	83.1		12-23 m	795	87.2	2001	
<b>1995 Encuesta Nacional de Epidemiología y Salud Familiar 1996, 1997</b>								
BCG	Card or History	96.4		12-23 m	773	77.8	1996	
DTP1	Card or History			12-23 m	773	77.8	1996	
DTP3	Card or History	85.5		12-23 m	773	77.8	1996	
Pol3	Card or History	85.6		12-23 m	773	77.8	1996	
MCV	Card or History	88		12-23 m	773	77.8	1996	
<b>1991 Encuesta Nacional de Epidemiología y Salud Familiar Honduras 1991/92</b>								
BCG	Card or History			12-23 m			1991/92	report does not provide sufficient coverage information
DTP1	Card or History			12-23 m			1991/92	report does not provide sufficient coverage information
DTP3	Card or History			12-23 m			1991/92	report does not provide sufficient coverage information
Pol3	Card or History			12-23 m			1991/92	report does not provide sufficient coverage information
MCV	Card or History			12-23 m			1991/92	report does not provide sufficient coverage information

## 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.

---

<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.

## Honduras

<b>Year</b>	<b>PAB coverage estimate (%)</b>
1980	7
1981	12
1982	17
1983	18
1984	16
1985	27
1986	39
1987	52
1988	54
1989	54
1990	60
1991	76
1992	64
1993	68
1994	73
1995	77
1996	81
1997	84
1998	87
1999	90
2000	93
2001	94
2002	94
2003	94
2004	94
2005	90
2006	94
2007	94
2008	94