

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

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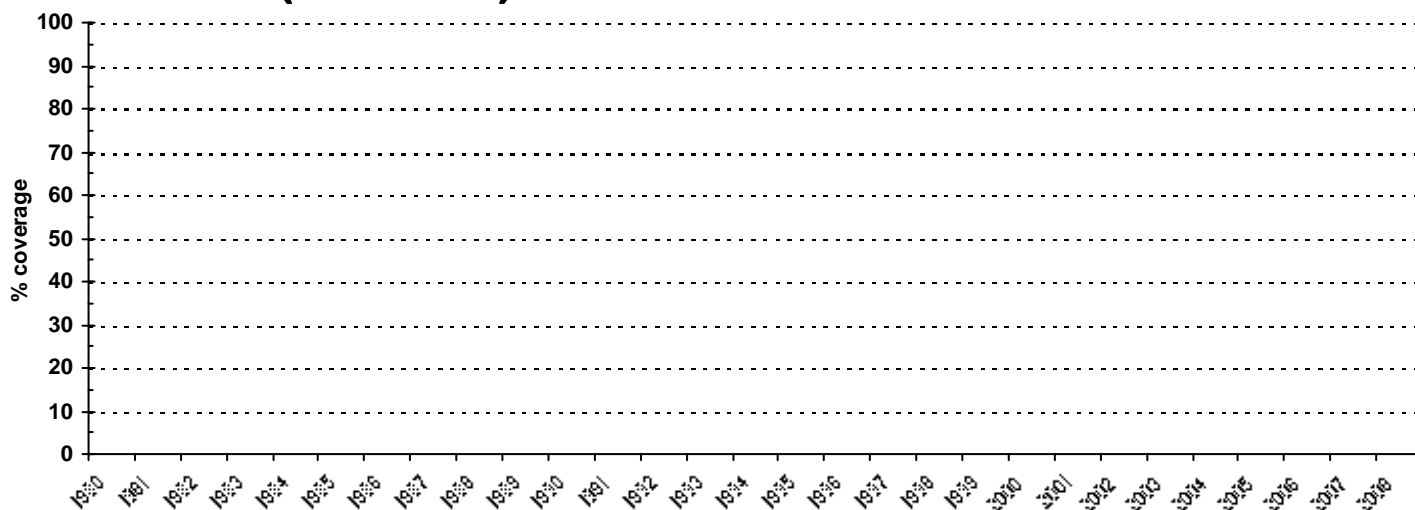
***Luxembourg***

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**July, 2009**

# Luxembourg

## BCG (1980-2008)



### Description of trend

BCG not in schedule; no estimate prepared.

### 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							
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2001							
2002							
2003							
2004							
2005							
2006							
2007							
2008							

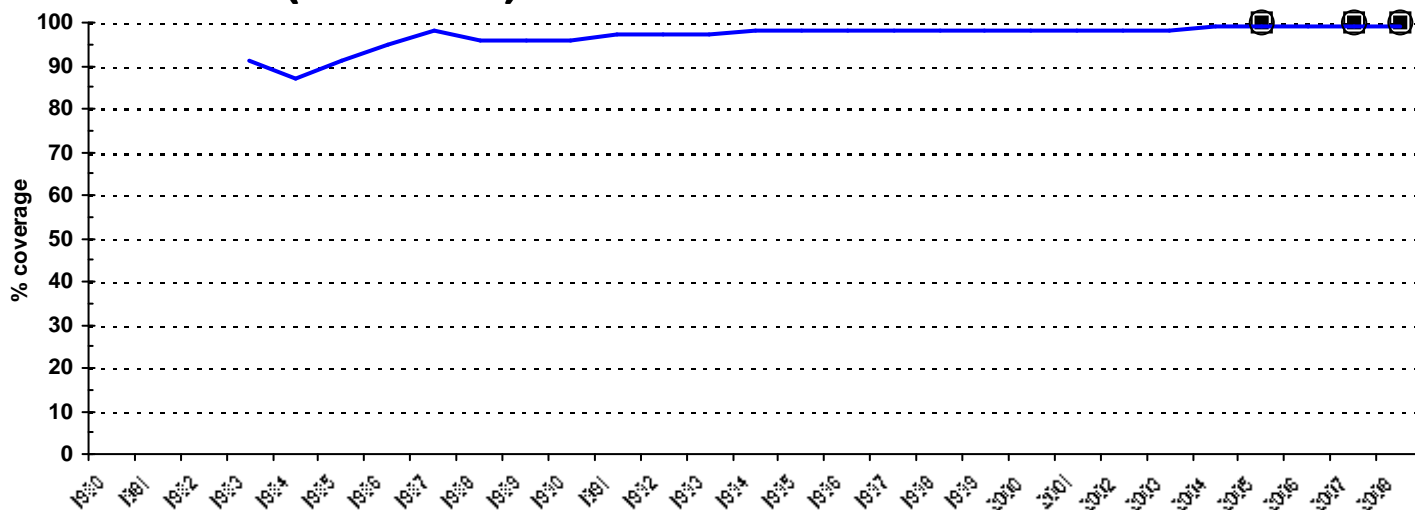
\*Prior to 1998 national reports to WHO/UNICEF did not specify whether information was derived from administrative records, surveys or other sources.

\*\*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.

# Luxembourg

## DTP1 (1980-2008)



### Description of trend

WHO and UNICEF began requesting data on DTP1 coverage in 2001. The estimates before 2005 are derived from the WHO/UNICEF estimate of DTP3 and the relationship between the levels of DTP3 coverage and the drop-out between DTP1 and DTP3. This relationship results from analysis of 282 surveys conducted in 101 countries which were published between 1980 and 2004. The estimates for 2005 onward is based reported data.

### 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	91						
1984	87						
1985	91						
1986	95						
1987	98						
1988	96						
1989	96						
1990	96						
1991	97						
1992	97						
1993	97						
1994	98						
1995	98						
1996	98						
1997	98						
1998	98						
1999	98						
2000	98						
2001	98						
2002	98						
2003	98						
2004	99						
2005	99	100	100	100			
2006	99						
2007	99	100	100	100			
2008	99	100	100	100			

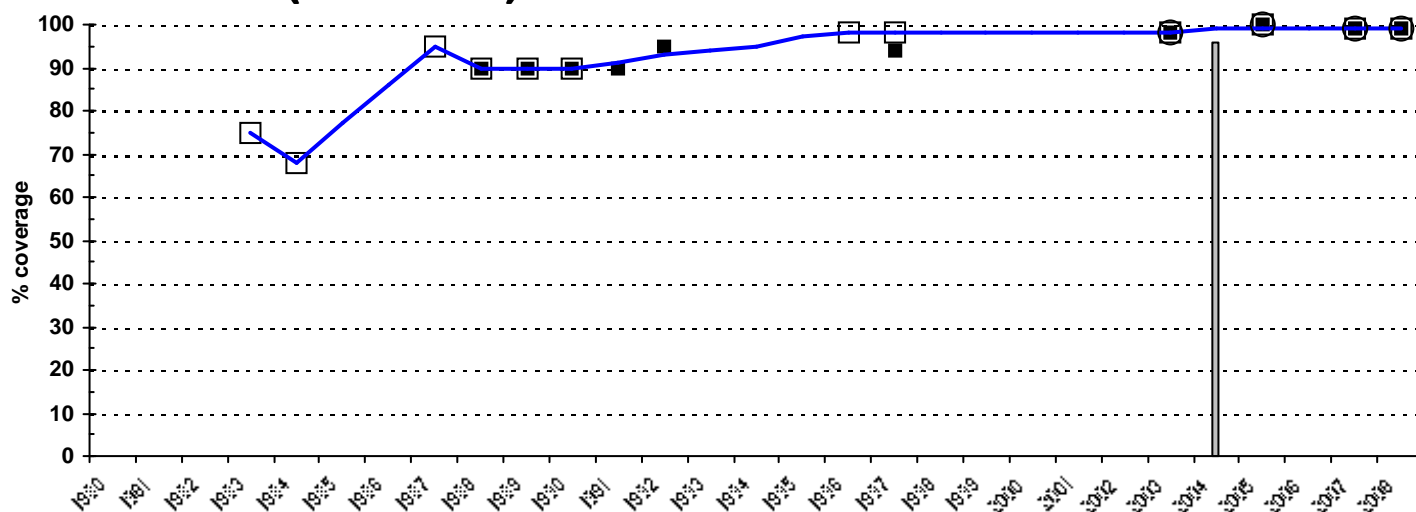
\*Prior to 1998 national reports to WHO/UNICEF did not specify whether information was derived from administrative records, surveys or other sources.

\*\*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.

# Luxembourg

## DTP3 (1980-2008)



### Description of trend

Estimated immunization coverage levels are based on reported data. For missing data between years the imputed coverage is the linear interpolation between the two reported coverage rates. If coverage has ceased to be reported, it is assumed to remain constant.

### 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	75	75					
1984	68	68					
1985	77						
1986	86						
1987	95	95					
1988	90	90	90				
1989	90	90	90				
1990	90	90	90				
1991	91		90				
1992	93		95				
1993	94						
1994	95						
1995	97						
1996	98	98					
1997	98	98	94				
1998	98						
1999	98						
2000	98						
2001	98						
2002	98						
2003	98	98	98	98			
2004	99					96	
2005	99	100	100	100			
2006	99						
2007	99	99	99	99			
2008	99	99	99	99			

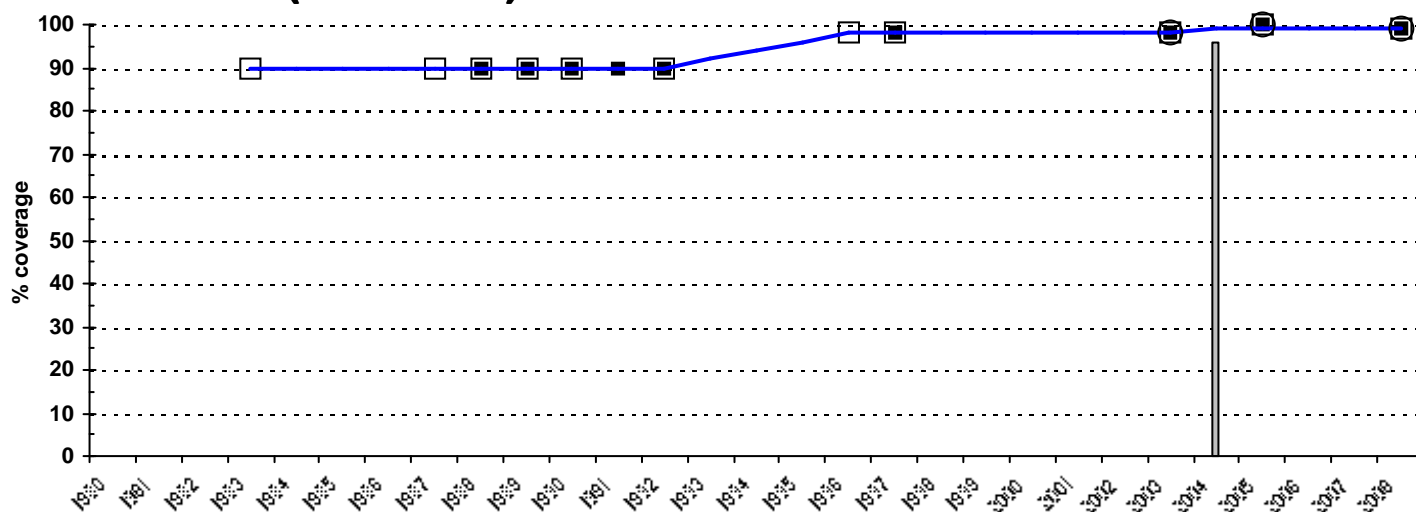
\*Prior to 1998 national reports to WHO/UNICEF did not specify whether information was derived from administrative records, surveys or other sources.

\*\*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.

# Luxembourg

## Pol3 (1980-2008)



### Description of trend

Estimated immunization coverage levels are based on reported data. For missing data between years the imputed coverage is the linear inter between the two reported coverage rates. If coverage has ceased to be reported, it is assumed to remain constant.

### 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	90	90					
1984	90						
1985	90						
1986	90						
1987	90	90					
1988	90	90	90				
1989	90	90	90				
1990	90	90	90				
1991	90		90				
1992	90	90	90				
1993	92						
1994	94						
1995	96						
1996	98	98					
1997	98	98	98				
1998	98						
1999	98						
2000	98						
2001	98						
2002	98						
2003	98	98	98	98			
2004	99					96	
2005	99	100	100	100			
2006	99						
2007	99						
2008	99	99	99	99			

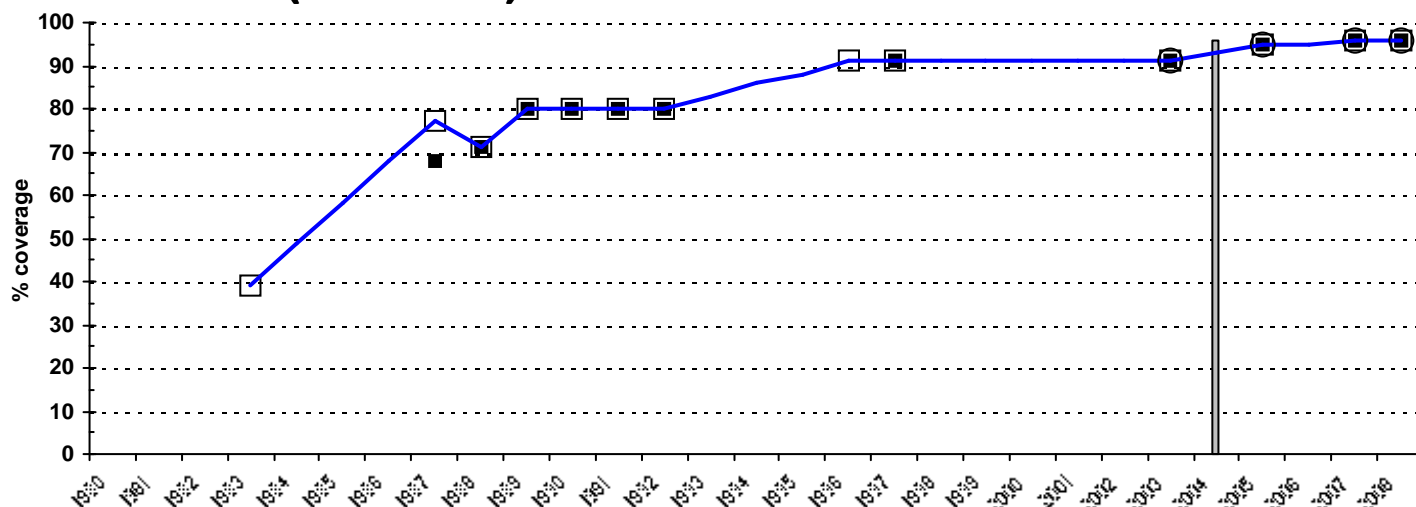
\*Prior to 1998 national reports to WHO/UNICEF did not specify whether information was derived from administrative records, surveys or other sources.

\*\*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.

# Luxembourg

## MCV (1980-2008)



### Description of trend

Estimated immunization coverage levels are based on reported data. For missing data between years the imputed coverage is the linear interpolation between the two reported coverage rates. If coverage has ceased to be reported, it is assumed to remain constant.

### 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	39	39					
1984	49						
1985	58						
1986	68						
1987	77	77	68				
1988	71	71	71				
1989	80	80	80				
1990	80	80	80				
1991	80	80	80				
1992	80	80	80				
1993	83						
1994	86						
1995	88						
1996	91	91					
1997	91	91	91				
1998	91						
1999	91						
2000	91						
2001	91						
2002	91						
2003	91	91	91	91			
2004	93					96	
2005	95	95	95	95			
2006	95						
2007	96	96	96	96			
2008	96	96	96	96			

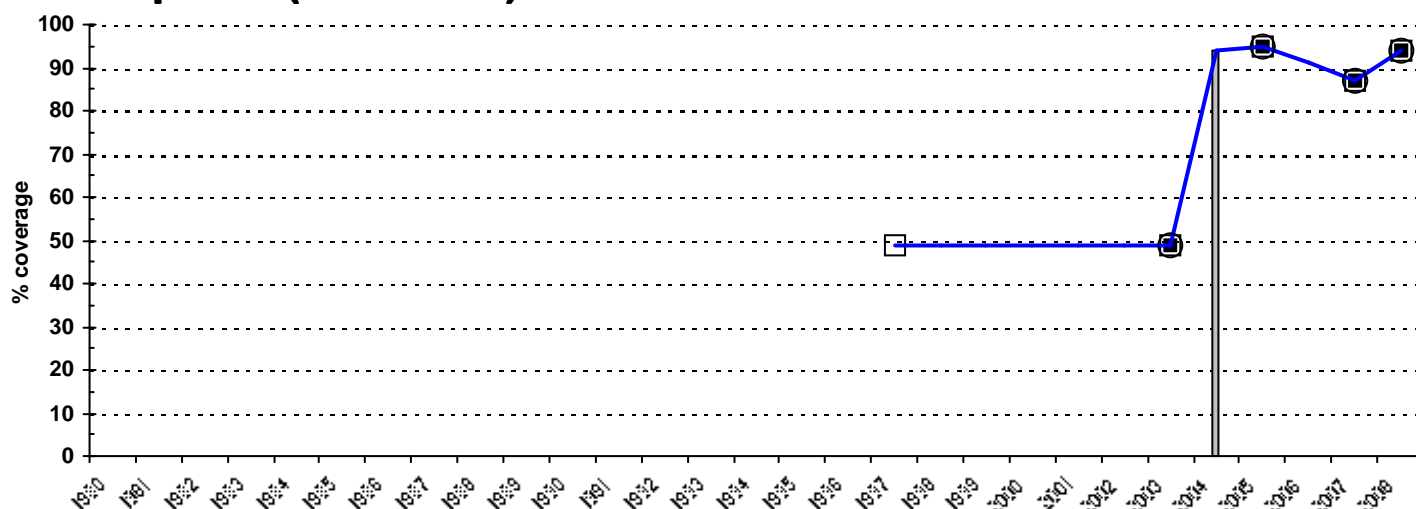
\*Prior to 1998 national reports to WHO/UNICEF did not specify whether information was derived from administrative records, surveys or other sources.

\*\*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.

# Luxembourg

## HepB3 (1980-2008)



### Description of trend

Estimated immunization coverage levels are based on reported data. For missing data between years the imputed coverage is the linear interpolation between the two reported coverage rates. If coverage has ceased to be reported, it is assumed to remain constant.

### 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	49	49					
1998	49						
1999	49						
2000	49						
2001	49						
2002	49						
2003	49	49	49	49			
2004	94					94	
2005	95	95	95	95			
2006	91						
2007	87	87	87	87			
2008	94	94	94	94			

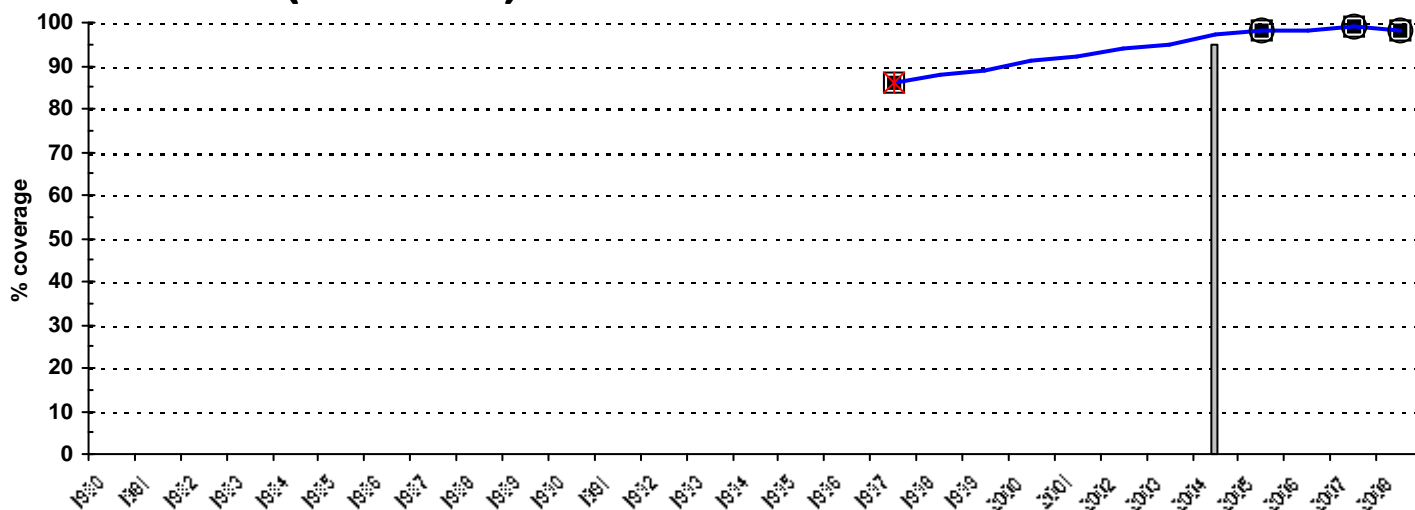
\*Prior to 1998 national reports to WHO/UNICEF did not specify whether information was derived from administrative records, surveys or other sources.

\*\*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.

# Luxembourg

## Hib3 (1980-2008)



### Description of trend

Hib immunization coverage first reported in 1998. For missing data between years the imputed coverage is the linear interpolation between two reported coverage rates. If coverage has ceased to be reported, it is assumed to remain constant.

### 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	86	86	86		86		
1998	88						
1999	89						
2000	91						
2001	92						
2002	94						
2003	95						
2004	97					95	
2005	98	98	98	98			
2006	98						
2007	99	99	99	99			
2008	98	98	98	98			

\*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.

# Luxembourg

## Details Survey Data

### Year Source

Antigen	Confirmation method	% coverage	Compliance with schedule	Age group	Sample size	% cards seen	Survey year	Comments
<b>2004 Enquête de couverture vaccinale au Grand-duché de Luxembourg</b>								
DTP3	Card	96.5		25-30 m	548		2007	DPT4 in survey report
Pol3	Card	96.4		25-30 m	548		2007	
MCV	Card	96.2		25-30 m	548		2007	
HepB	Card	94.5		25-30 m	548		2007	
Hib3	Card	95.3		25-30 m	548		2007	Hib4 in survey report

