# IMMUNIZATION SUMMARY 2006





# IMMUNIZATION SUMMARY 2006

**A Statistical Reference** 

Data through 2004

**CD-ROM** included





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# **GLOSSARY**

Note: Compound acronyms denote vaccine combinations. For example, 'DTPHibHepIPV' denotes DTP, Hib, HepB and IPV vaccines combined.

BCG	bacille Calmette-Guérin (vaccine against tuberculosis)
CBAW	childbearing-aged women
DHS	Demographic and Health Surveys
Dip	diphtheria toxoid vaccine
DT	diphtheria toxoid
DTaP	diphtheria and tetanus toxoid with acellular pertussis vaccine
DTP	diphtheria and tetanus toxoid with pertussis vaccine
DTP1	first dose of diphtheria and tetanus toxoid with pertussis vaccine
DTP1-DTP3	The percentage of children not receiving all three required doses of DTP after receiving an initial dose compared with all children who receive the initial DTP dose. This is a key indicator of service performance.
DTP3	third dose of diphtheria and tetanus toxoid with pertussis vaccine
DTwP	diphtheria and tetanus toxoid with whole-cell pertussis vaccine
EPI	Expanded Programme on Immunization
GAVI	Global Alliance for Vaccines and Immunization
GNI	gross national income
HbsAg	hepatitis B surface antigen
HBV	hepatitis B virus
НерА	hepatitis A vaccine
НерВ	hepatitis B vaccine
HepB3	third dose of hepatitis B vaccine
Hib	Haemophilus influenzae type b vaccine
Hib3	third dose of <i>Haemophilus influenzae</i> type b vaccine
IPV	inactivated polio vaccine
IVB	Department of Immunization, Vaccines and Biologicals, World Health Organization
JE	Japanese encephalitis
MCV	measles-containing vaccine
MenAC	meningococcal AC vaccine. This bivalent vaccine protects against meningitis serogroups A and C.
MenACWY	meningococcal ACWY vaccine. This quadrivalent vaccine protects against meningitis serogroups A, C, Y and W-135.
MenC_conj	meningococcal C conjugate vaccine

MICS	Multiple Indicator Cluster Surveys
MM	measles and mumps vaccine
MMR	measles-mumps-rubella vaccine
MR	measles and rubella vaccine
NT	neonatal tetanus
OPV	oral polio vaccine
OPV3	third dose of oral polio vaccine
OPV4	fourth dose of oral polio vaccine
OPV₀	oral polio vaccine dose given at birth
Pa	acellular pertussis vaccine
PAB	protected at birth
Pneumo_conj	pneumococcal conjugate vaccine
Pneumo_ps	pneumococcal polysaccharide vaccine
Pol3	third dose of polio vaccine
PPD	purified protein derivative test
Pw	whole-cell pertussis vaccine
Td	tetanus toxoid with reduced amount of diphtheria toxoid
TT	tetanus toxoid
TT2+	second and subsequent doses of tetanus toxoid
UNICEF	United Nations Children's Fund
VAD1	first dose of vitamin A supplement
VAM	Vaccine Assessment and Monitoring Team, Department of Immunization, Vaccines and Biologicals, World Health Organization
VF	The Vaccine Fund
VPD	vaccine-preventable diseases
WHO	World Health Organization
YFV	yellow fever vaccine

# **IMMUNIZATION SUMMARY 2006**

This reference book, jointly produced by the United Nations Children's Fund (UNICEF) and the World Health Organization (WHO), presents detailed statistics on the performance of national and local immunization systems for 193 countries and territories. It provides a quick overview of key aspects of immunization systems, including:

- Basic indicators from UNICEF, the United Nations Population Division and the World Bank for each country or territory, including infant and under-five mortality rates and the proportion of routine Expanded Programme on Immunization (EPI) vaccines funded by the government.
- Trends in national and territorial coverage rates for seven major antigens.
- The proportion of districts achieving target ranges of coverage for DTP3 and measles-containing vaccine.
- The proportion of districts achieving DTP1-DTP3 drop-out rates of less than 10 per cent.
- District-level performance indicators reflecting the prevalence of interruptions in vaccine supply and the adequacy of supplies of autodisable syringes for routine immunization.
- The most current immunization schedule as reported by the given country or territory.

Immunization Summary 2006 also provides a brief overview of global progress on immunization, maps on routine immunization coverage, tables on indicative prices for major antigens and immunization devices, and appendices listing additional vaccines reported in country and territorial immunization schedules. A glossary of acronyms is included at the front of the book (see page iv).

#### BACKGROUND

Information on immunization levels, trends and the distribution of vaccination services across districts is

used to monitor immunization performance at the local, national and international levels and to guide efforts at polio eradication, measles control and neonatal tetanus elimination. Reliable and timely monitoring and reporting of data at the national, territorial and district levels help public health managers to assess the effectiveness of immunization initiatives and make more informed policy choices. The information also highlights areas where the system may require additional resources and attention.

#### **GLOBAL EQUITY, GLOBAL IMPACT**

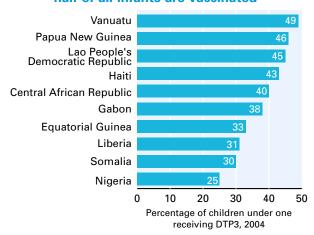
#### **Progress**

Immunization has proved to be one of the most important and cost-effective ways of ensuring that children survive their early years. Since the Expanded Programme on Immunization (EPI) was launched in 1974, immunization coverage of infants for the six major vaccine-preventable diseases – diphtheria, measles, pertussis, polio, tetanus and tuberculosis – has risen from less than 5 per cent to almost 80 per cent in 2004. In the past two decades immunization has prevented an estimated 20 million deaths from vaccine-preventable infections.

Despite these successes, much remains to be done. In 2004, an estimated 27 million infants did not receive three doses of diphtheria-tetanus-pertussis vaccine (DTP3) – 1 in every 5 live births. An estimated 1.4 million children under five died from the six major vaccine-preventable diseases, with a further 1.1 million deaths from pneumococcus and rotavirus (these vaccines are under development and hopefully will soon be available).

There is growing concern that progress on expanding immunization coverage has levelled off. The global coverage of infants receiving DTP3 – the benchmark indicator of annual routine immunization coverage – was 78 per cent in 2004, compared with 75 per cent in 1990. 1 in every 6 infants is not immunized against tuberculosis, 1 in every 4 children is not immunized against measles and only half of the world's infants are fully immunized against hepatitis B.

Figure 1: Countries and territories where less than half of all infants are vaccinated\*



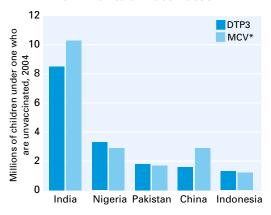
<sup>\*</sup> The proportion of children under one year old receiving three doses of diphtheria and tetanus toxoid with pertussis vaccine (DTP3) is increasingly used as a benchmark indicator to monitor immunization system performance.

**Source**: WHO/UNICEF estimates of national immunization coverage as of August 2005.

In 10 countries – Nigeria, Somalia, Liberia, Equatorial Guinea, Gabon, Central African Republic, Haiti, Lao People's Democratic Republic, Papua New Guinea and Vanuatu (listed in ascending order of coverage) – routine immunization coverage as measured by DTP3 is less than 50 per cent, leaving 4.3 million infants unvaccinated. More than half of these countries are in sub-Saharan Africa; three are in South-East Asia, and one is in the Americas. An equity-based approach to immunization requires that greater attention and resources are directed towards those countries where coverage is lowest and, consequently, children have the least chance of being vaccinated.

However, absolute numbers of unvaccinated infants are highest in the most populous developing countries, some of which enjoy fairly high levels of national rates of immunization coverage. Five of the world's 10 most populous countries – India, Nigeria, Pakistan, China and Indonesia – each have more than 1 million infants who have not received DTP3; taken together,

Figure 2: Five of the 10 countries with the largest child populations each have more than 1 million infants unvaccinated



<sup>\*</sup> measles-containing vaccine.

**Source**: WHO/UNICEF estimates of national immunization coverage as of August 2005.

these five countries account for 60 per cent (16.3 million) of the world's 27 million unvaccinated children. Efforts to raise global immunization will need a strong focus on the countries where most of the unvaccinated children live – while also ensuring that the countries where children are most likely to miss out on immunization are not neglected in the search for greater global impact.

#### The Challenge

The challenge for immunization for 2005-2010 is to achieve the targets set out at the UN General Assembly Special Session on Children in 2002:

- Full immunization of children under one year of age at 90 per cent nationally.
- At least 80 per cent coverage in every district or equivalent administrative unit.

Immunization will occupy a critical role in achieving Millennium Development Goal 4, to reduce the global under-five mortality rate by two thirds between 1990 and 2015. It will also contribute significantly to the achievement of MDG 5, to improve maternal health

# Table 1: Indicative budget prices for major antigens, 2006

The UNICEF Supply Division provides the following as indicative prices for preliminary budget planning only.

bivalent vaccines
Bacille Calmette-Guérin
Diphtheria and tetanus toxoid with pertussis vaccine
Tetanus toxoid
Diphtheria and tetanus toxoid
Tetanus toxoid with reduced amount of diphtheria toxoid
Measles-containing vaccine
Oral polio vaccine
Measles-oral polio vaccine
Yellow fever vaccine
Measles and rubella vaccine
Measles-mumps-rubella vaccine
Meningitis vaccine
Hepatitis B vaccine
Haemophilus influenzae type B vaccine

#### **Combination vaccines**

Manayalant and

Diphtheria and tetanus toxoid with pertussis vaccine-Hepatitis B vaccine
Diphtheria and tetanus toxoid with pertussis vaccine-Hepatitis B
vaccine-Haemophilus influenzae type B vaccine

Diphtheria and tetanus toxoid with pertussis vaccine-Haemophilus influenzae type B vaccine

Note: These are indicative prices only and can vary.

Source: UNICEF Supply Division.

Recommended budget price 2006

		buaget	orice 2006
Acronym	Vaccine (doses per vial)	(US\$ per vial)	(US\$ per dose)
BCG	BCG-20	1.60	0.08
DTP	DTP-10	1.79	0.18
	DTP-20	2.13	0.01
TT	TT-10	0.76	0.08
	TT-20	0.84	0.04
DT	DT-10	0.92	0.09
Td	Td-10	0.70	0.07
MCV	Mea-10	1.79	0.18
OPV	OPV-10	1.75	0.18
	OPV-20	2.57	0.13
MOPV	MOPV	2.34	0.12
YFV	YF-5	3.00	0.60
	YF-10	8.00	0.80
MR	MR-10	4.88	0.49
MMR	MMR-1 (Urabe strain)	1.77	1.77
	MMR-1 (Jeryl Lynn strain)	n/a	n/a
	MMR-10 (Urabe strain)	14.10	1.41
	MMR-10 (Jeryl Lynn strain)	n/a	n/a
MenC_conj	Meningitis-10	n/a	n/a
MenAC	Meningitis (AC)-50	20.55	0.41
MenACWY	Meningitis (ACW)-50	n/a	n/a
HepB	HepB-1	0.41	0.41
	HepB-2	0.76	0.38
	НерВ-6	4.02	0.67
	HepB-10	2.40	0.24
Hib	Hib-10 (liquid)	24.30	2.43
	Hib-1 (liquid)	2.65	2.65
	Hib-10 (lyophilized)	n/a	n/a
DTPHeb	DTP-HepB-10	12.90	1.29
DTPHebHip	DTP-HepB+Hib-2	7.20	3.60
DTPHIb	DTP+Hib-10 (lyophilized)	31.20	3.12
	DTP+Hib-1 (lyophilized)	3.80	3.80

and reduce maternal mortality, and MDG 6, to combat HIV/AIDS, malaria and tuberculosis.

By 2004, protection against measles for children under one – the primary immunization indicator for MDG 4 – was 90 per cent or higher in 97 countries and territories. Thirty-nine countries had already met the 80 per cent coverage target for DTP3 by 2003. But a massive amount of work is still required if the goals are to be achieved.

Many initiatives are being undertaken to boost access to vaccines and improve coverage. WHO and UNICEF launched the Global Immunization Vision and Strategy (GIVS) in May 2005 to meet the challenges described above. GIVS is based on four key strategies:

- Immunize more people through a combination of routine and campaign strategies, with a strong focus on those currently excluded or unreached.
- Introduce vaccines and technologies through needs assessment in developing countries.
- Integrate other critical health interventions with immunization.

# Table 2: Indicative budget prices for immunization devices, 2006

Note: These are indicative prices only and can vary.

Use only for initial budgetary planning.

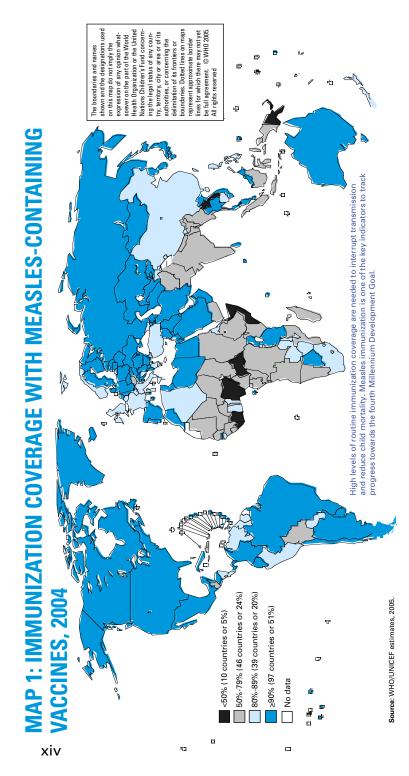
Device (box of 100 unless otherwise stated)	Recommended bu price, 2006 (US\$ per	•
BCG autodisable syringe, 0.05 ml		7.35
BCG autodisable syringe, 0.1 ml		7.35
Autodisable syringe, 0.5 ml		6.50
BCG/Hib reconstitution syringe, 2	.0 ml, with needle	2.60
Measles/YF reconstitution syringe	5.0 ml, with needle	3.20
Reconstitution syringe, 10.0 ml, w	rith needle	5.00
Safety Box, 5 litre (box of 25)		19.00
,		

Source: UNICEF Supply Division.

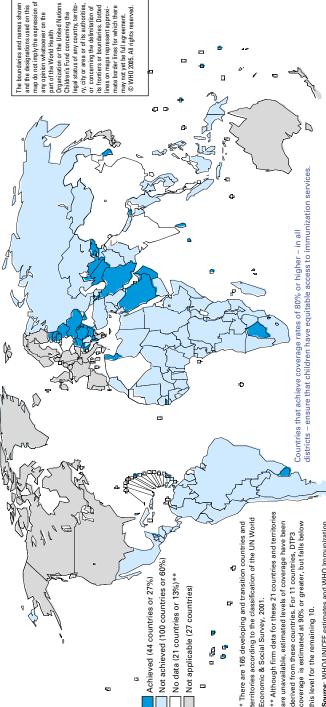
 Achieve a secure, equitable supply of resources for immunization though global partnerships.

New resources are being mobilized by such innovative financing mechanisms as The Vaccine Fund of the Global Alliance for Vaccines and Immunization (GAVI), the Global Polio Eradication Initiative and the Measles Initiative and by making immunization a priority in poverty-reduction strategies. Enhancing immunization coverage will certainly have financial implications: It is estimated that the introduction of new vaccines and expanded coverage of existing ones will cause the cost of routine immunization to double in 2006 from US\$1 billion in 2005, and to reach around US\$6 billion by 2015. But the benefits are undeniable and justify the additional cost: Meeting MDG 4 would save more than 5 million lives a year by 2015 and more than 30 million lives over the next 10 years.

Efforts to step up global coverage will require more than just political will or additional resources. They will also need to focus on the countries and territories, districts, communities and social groups where most of the unvaccinated children live. These children must not be ignored or neglected in the drive to expand global immunization coverage and reach internationally agreed goals in the next 10 years.



# MAP 2: DEVELOPING AND TRANSITION COUNTRIES AND TERRITORIES\* **WITH ALL DISTRICTS ACHIEVING AT LEAST 80% DTP3 COVERAGE, 2004**



Source: WHO/UNICEF estimates and WHO Immunization, Vaccines and Biologicals database, September 2005.

#### **NOTES ON COUNTRIES AND TERRITORIES**

#### **Basic indicators**

Births: The number of children born each year.

Surviving infants: The number of children who have survived beyond their first year of life.

Note: For both births and surviving infants, figures are rounded to the nearest thousand. Where populations are small and birth rates low, the figure shown is zero. In other cases where the numbers of births and surviving infants are very close, rounding to the nearest thousand may cause the figures to appear equal. In places where the birth rate is declining, it is possible for the number of surviving infants to exceed births, since the former were born in the previous year.

Infant mortality rate: The probability of dying between birth and exactly one year of age. The infant mortality rate is expressed as the number of infant deaths per 1,000 live births.

Under-five mortality rate: The probability of dying between birth and exactly five years of age. The under-five mortality rate is expressed as the number of deaths of children under five per 1,000 live births.

Percentage of routine Expanded Programme on Immunization vaccines financed by government: The immunizations in this programme include those against tuberculosis, diphtheria, pertussis and tetanus (DPT), polio and measles, as well as protecting babies against neonatal tetanus by vaccination of pregnant women. Other vaccines (e.g., against hepatitis B, Haemophilus influenzae type B or yellow fever) may be included in the programme in some countries.

# National or territorial coverage rates (WHO/UNICEF estimates)

UNICEF and WHO conduct an annual review of national immunization reports to determine the most accurate levels of coverage. The resulting estimates are based on reported (administrative) data, household surveys and government estimates as reported annually in the WHO/UNICEF Joint Reporting Form on vaccine-preventable diseases. As an essential part of this review, UNICEF and WHO consult and collaborate with national and territorial authorities. Prior to public release, the draft estimates are sent to the authorities of each country or territory for their review and subsequent revisions as necessary.

Vaccines: BCG: bacille Calmette-Guérin (BCG) DTP1: first dose of diphtheria and tetanus toxoid with pertussis vaccine DTP3: third dose of diphtheria and tetanus toxoid with pertussis vaccine HepB3: third dose of hepatitis B vaccine MCV: measles-containing vaccine Pol3: third dose of polio vaccine Hib3: third dose of Haemophilus influenzae type B vaccine TT2+: second and subsequent doses of tetanus toxoid.

Note: This is the first year that DTP1 and Hib3 coverage were estimated. Coverage for DTP1 should be at least as high as DTP3. Discrepancies where DTP1 coverage is less than DTP3 reflect deficiencies in the data collection and reporting process. UNICEF and WHO are working with national systems to eliminate these discrepancies. Hib3 coverage should be at a similar level to DTP3 when the former is available because they are dispensed on the same schedule.

Further information on the estimation method used can be found on the following websites:

#### UNICEF

http://www.childinfo.org/eddb/immuni/database.htm **WHO** 

http://www.who.int/immunization\_monitoring/routine/immunization\_coverage/en/index4.html

#### District coverage (as reported)

The disaggregation of national and territorial immunization statistics to the district level assists efforts to ensure an equitable distribution of immunization for all children. The data shown in this section of the tables reflect reported (administrative) coverage rates and give an indication of district-level performance. The data are reported through the annual WHO/UNICEF Joint Reporting Form on vaccine-preventable diseases.

Number of districts: The total number of districts in a given country or territory (this number may vary from year to year).

Percentage of districts reporting: The proportion of districts in a given country or territory that report data through the annual WHO/UNICEF Joint Reporting Form on vaccine-preventable diseases.

**DTP3:** The proportion of districts achieving each of three coverage ranges for DTP3.

Note: In some cases, not all districts are able to report coverage levels; consequently, the sum of the three categories may not add up to 100 per cent.

MCV: The proportion of districts achieving coverage rates of 90 per cent or higher for measles-containing vaccine.

DTP1-DTP3 drop-out rate: The percentage of children who do not receive all three doses of DTP3 after receiving an initial dose, compared with all children who receive the initial DTP dose. When a given district's drop-out rate is less than 10 per cent, children who receive an initial DTP dose are highly likely to receive all three required doses, indicating a high level of health-care assistance and performance. The key indicator given in this reference is the proportion of districts categorized as high-performing, i.e., those with drop-out rates of less than 10 per cent.

Supply: This parameter indicates whether there has been any supply interruption in a given year. Reponses are either 'Yes', indicating that there has been some interruption, or 'No', confirming adequate supply provision. This is an important indicator of the potential capacity for the immunization system.

**Safety:** The proportion of districts supplied with a sufficient number of autodisable syringes for all routine immunizations. This is an indicator of safe injection practices.

#### Immunization schedule

Updated immunization schedules are submitted through the annual WHO/UNICEF Joint Reporting Form on vaccine-preventable diseases. Since no standard format for reporting immunization schedules exists, the use of notations may vary from table to table.

#### **DATA SOURCES**

- Births, surviving infants and total population: United Nations Population Division.
- Infant mortality rate, under-five mortality rate, gross national income per capita (US\$) and percentage of routine EPI vaccines financed by government: UNICEF, The State of the World's Children 2006.
- National coverage rates: WHO/UNICEF, Review of National Immunization Coverage 1980–2004, September 2005.
- District coverage and immunization schedule: WHO/UNICEF Joint Reporting Form on vaccine-preventable diseases, data collected in 2004 and 2005.
- Proportion of routine expanded Programme on Immunization (EPI) vaccines funded by government: WHO/UNICEF Joint Reporting Form on vaccine-preventable diseases, 2004.

# COUNTRIES AND TERRITORIES

# Afghanistan

						2	004
Births						1,3	95,000
Surviving infants						1,1	89,000
Total populati	on					28,5	74,000
Infant mortalit	y rate (per 1	,000 live	births)				165
Under-five mo	rtality rate (	per 1,000	live birt	ths)			257
Gross nationa	l income per	r capita (	US\$)				250
Percentage of Immunization							0
National o	overage	rates	(WHO/	UNICEF	estimates	, 2004)	
	2004	2003	2002	2001	2000	1990	1980
BCG	78%	56%	49%	44%	38%	30%	
DTP1	80%	65%	58%	56%	41%	50%	22%
DTP3	66%	54%	48%	44%	31%	25%	4%
HepB3					•••		
MCV	61%	50%	44%	46%	35%	20%	11%
Pol3	66%	54%	48%	45%	32%	25%	3%
Hib3							
TT2+ (protected at birth)	35%	40%	34%	35%	35%		
District co	verage (a	as repo	rted)				
						2004	2003
Number of dis	stricts in cou	ntry				341	332
Percentage of	districts rep	orting					100%
				below	50%	40%	54%
DTP3: proport	ion of distric	ts with o	coverage	betwe	en 50-79%	30%	27%
				at 80%	% or above	30%	19%
MCV: proporti	on of distric	ts with c	overage	at 90% o	r above	15%	12%
DTP1-DTP3 di				stricts tha	at		
have achieved	l a rate of les	ss than 1	0%			36%	29%
Supply: any va	ccine supply	interrup	tion?			No	No
Safety: propor of autodisable						100%	100%
Immuniza	tion sche	edule					
BCG		birth	n   [	DTwP	6	5, 10, 14 ·	weeks
Measles	9, 18	3 months	s C	OPV	birth; 6	, 10, 14 v	veeks;
тт	pr +1, +6	45 years et contact egnancy months +1 year	t ; ;			9 m	onths

# **Albania**

# 2004

Births	53,000
Surviving infants	52,000
Total population	3,112,000
Infant mortality rate (per 1,000 live births)	17
Under-five mortality rate (per 1,000 live births)	19
Gross national income per capita (US\$)	2,080
Percentage of routine Expanded Programme on Immunization vaccines financed by government	60

# National coverage rates (WHO/UNICEF estimates, 2004)

	2004	2003	2002	2001	2000	1990	1980
BCG	97%	95%	94%	93%	93%	94%	93%
DTP1	98%	97%	98%	97%	98%	97%	97%
DTP3	97%	97%	98%	97%	97%	94%	94%
HepB3	99%	97%	96%	96%	96%		
MCV	96%	93%	96%	95%	95%	88%	90%
Pol3	98%	97%	98%	97%	97%	89%	92%
Hib3							
TT2+ (protected at birth)							

# District coverage (as reported)

		2004	2003
Number of districts in country		36	36
Percentage of districts reporting		100%	100%
	below 50%	0%	0%
DTP3: proportion of districts with coverage	between 50-79%	0%	0%
	at 80% or above	100%	100%
MCV: proportion of districts with coverage a	100%	92%	
DTP1-DTP3 drop-out rate: proportion of dist have achieved a rate of less than 10%	100%	100%	
Supply: any vaccine supply interruption?		No	No
Safety: proportion of districts supplied with of autodisable (AD) syringes for all routine in	100%	100%	

BCG	birth	DT	5 years
DTwP	2, 4, 6 months	НерВ	birth; 2, 6 months
MR	2 years 1, 5 years	OPV	2, 4, 6 months; 2, 5 years
Td	14 years	TT	CBAW (15-45 years) and 1st contact pregnancy; +1 month

						2	004			
Births						6	71,000			
Surviving infa	nts					6	48,000			
Total population							58,000			
Infant mortality rate (per 1,000 live births)							35			
Under-five mortality rate (per 1,000 live births)							40			
Gross national							2,280			
Percentage of routine Expanded Programme on Immunization vaccines financed by government							100			
National c	overag	e rates	(WHO/L	INICEF	estimates	, 2004)				
	2004	2003	2002	2001	2000	1990	1980			
BCG	98%	98%	98%	97%	97%	99%				
DTP1	93%	93%	93%	92%	97%	96%				
DTP3	86%	87%	86%	89%	92%	89%				
HepB3	81%									
MCV	81%	84%	81%	83%	80%	83%	•••			
Pol3 Hib3	86%	87%	86%	89%	90%	89%	•••			
		•••					•••			
TT2+ (protected at birth)				•••			•••			
District co	verage	(as repo	rted)							
						2004	2003			
Number of dis	tricts in co	untry				185	185			
Percentage of	districts re	porting								
				below	below 50%					
DTP3: proportion of districts with coverage between 50-79%						•••	•••			
DTI 3. proporti	on of distr	icts with	coverage	betwe	,-					
DTI 3. proporti	ion of distr	icts with	coverage		,-					
MCV: proportion				at 80%	en 50-79% 6 or above					
MCV: proportion	on of distri op-out rate	cts with c	overage a	at 80% at 90% o	en 50-79% % or above r above					
MCV: proportion DTP1-DTP3 drive achieved	on of distri op-out rate a rate of l	cts with c e: proport ess than 1	overage a ion of dis	at 80% at 90% o	en 50-79% % or above r above					
MCV: proportion DTP1-DTP3 drawe achieved Supply: any va	on of distri op-out rate a rate of l ccine supp	cts with c e: proport ess than 1	overage a ion of dis 10% otion?	at 80% of tricts that	een 50-79% % or above r above it					
MCV: proportion DTP1-DTP3 drive achieved	on of distri op-out rate a rate of l ccine supp tion of dist	cts with cest proportions than 1	overage a ion of dis 10% otion? olied with	at 80% or tricts that sufficien	een 50-79% or above r above it					
MCV: proportion DTP1-DTP3 dr have achieved Supply: any va Safety: propor	on of distri op-out rate a rate of l ccine supp tion of dist (AD) syrin	cts with c e: proport ess than 1 ly interrup tricts supp ges for al	overage a ion of dis 10% otion? olied with	at 80% or tricts that sufficien	een 50-79% or above r above it	   No	  			
MCV: proportion DTP1-DTP3 dr have achieved Supply: any va Safety: propor of autodisable	on of distri op-out rate a rate of l ccine supp tion of dist (AD) syrin	cts with c e: proport ess than 1 ly interrup tricts supp ges for al	overage a ion of dis 10% otion? olied with I routine i	at 80% or tricts that sufficier mmuniz	een 50-79% or above r above it	   No	  			
MCV: proportion DTP1-DTP3 drive achieved Supply: any va Safety: proportion autodisable Immuniza	on of distri op-out rate a rate of l ccine supp tion of dist (AD) syrin	cts with cest proport ess than for the standard ly interrupt tricts suppressed for all	overage a ion of distance of the control of the con	at 80% or tricts that sufficier mmuniz	een 50-79% 6 or above r above it nt number ations	   No	   No 100%			
MCV: proportion DTP1-DTP3 drick have achieved Supply: any var Safety: proportion autodisable Immunization BCG	on of distri op-out rate a rate of l ccine supp tion of dist (AD) syrin tion sch	cts with c e: proport ess than 1 ly interrupt ricts supp ges for al	overage a ion of dis 10% obtion? obtion? obtion I routine i	at 80% otricts that sufficier mmuniz	een 50-79% 6 or above r above it  nt number ations	  No  6 h; 1, 5 m	No 100% years conths			
MCV: proportion DTP1-DTP3 drick have achieved Supply: any vail Safety: proportion of autodisable Immunization BCG DTwP	on of distri op-out rate a rate of li ccine supp tion of dist (AD) syrin tion sch	cts with c e: proport ess than 1 ly interrupt tricts supp ges for al tedule birth	overage a ion of distance of the control of the con	at 80% ot ricts that sufficier mmuniz	een 50-79% 6 or above r above it  nt number ations	  No  6	No 100% years conths			

# Andorra

# 2004

Births	1,000
Surviving infants	
Total population	67,000
Infant mortality rate (per 1,000 live births)	6
Under-five mortality rate (per 1,000 live births)	7
Gross national income per capita (US\$)	
Percentage of routine Expanded Programme on Immunization vaccines financed by government	

# National coverage rates (WHO/UNICEF estimates, 2004)

	2004	2003	2002	2001	2000	1990	1980
BCG							
DTP1	99%	99%	98%	98%	98%		
DTP3	99%	99%	96%	96%	98%		
HepB3	54%	69%	84%	84%	84%		
MCV	98%	96%	97%	97%	98%		
Pol3	99%	99%	95%	95%	95%		
Hib3	95%	91%					
TT2+ (protected at birth)							

# District coverage (as reported)

		2004	2003
Number of districts in country			
Percentage of districts reporting			
	below 50%	0%	
DTP3: proportion of districts with coverage	between 50-79%	0%	
	at 80% or above	100%	
MCV: proportion of districts with coverage a			
DTP1-DTP3 drop-out rate: proportion of dist	ricts that		
have achieved a rate of less than 10%			
Supply: any vaccine supply interruption?			
Safety: proportion of districts supplied with	sufficient number		
of autodisable (AD) syringes for all routine in			

DTaPHib	2, 6 months	DTaPHiblPV	4, 15 months
DTaPIPV	5 years	НерВ	birth; 2, 6 months
MenC_conj	2, 4, 6 months	MMR	15 months; 5 years
DTaPHibHepIPV	2. 6 months		

							2	004
Births							7	49,000
Surviving infants								47,000
Total population							15,4	90,000
Infant mortali	ty rate (per	1,000 live	e birtl	ns)				154
Under-five mo	ortality rate	(per 1,00	0 live	birth	ıs)			260
Gross nationa	I income pe	er capita	(US\$)					1,030
Percentage of routine Expanded Programme on Immunization vaccines financed by government								43
National o	coverage	rates	(WI	HO/U	NICEF	estimates	, 2004)	
	2004	2003	200	)2	2001	2000	1990	1980
BCG	72%	62%	829	%	75%	56%	48%	
DTP1	75%	68%	659	%	57%	44%	48%	
DTP3	59%	46%	479	%	42%	31%	24%	
HepB3								
MCV	64%	62%	749	%	72%	41%	38%	
Pol3	57%	45%	429	%	44%	33%	23%	
Hib3								
TT2+ (protected at birth)	75%	72%	689	%	65%	62%		
District co	verage	(as repo	rted	)				
							2004	2003
Number of dis	stricts in co	untry					164	164
Percentage of	districts rep	porting						100%
					below	50%	61%	79%
DTP3: proport	ion of distri	cts with	cove	age	betwe	en 50-79%	17%	14%
					at 80%	or above	22%	7%
MCV: proport				•			21%	13%
DTP1-DTP3 d have achieved				f dist	ricts tha	t	27%	73%
Supply: any va	accine suppl	y interru	ption	,			Yes	No
Safety: propo of autodisable								
lmmuniza	tion sch	edule						
BCG		birtl	h	D-	ΓwΡ		2, 4, 6 m	onths
Measles		9 month	s	OI	PV	birth;	2, 4, 6 m	onths
TT 1		regnancy 6 months 1, +1 yea	3;	Vi	tamin A		6, 9 m	onths

9 months

Yellow Fever

# **Antigua and Barbuda**

Births	2,000
Surviving infants	
Total population	81,000
Infant mortality rate (per 1,000 live births)	11
Under-five mortality rate (per 1,000 live births)	12
Gross national income per capita (US\$)	10,000
Percentage of routine Expanded Programme on Immunization vaccines financed by government	100

# National coverage rates (WHO/UNICEF estimates, 2004)

	2004	2003	2002	2001	2000	1990	1980
BCG							
DTP1	91%	95%	98%	89%	99%	99%	77%
DTP3	97%	99%	98%	97%	95%	99%	54%
HepB3	97%	99%	99%	96%			
MCV	97%	99%	99%	97%	95%	89%	
Pol3	97%	99%	93%	99%	96%	99%	36%
Hib3	97%	99%	82%	97%			
TT2+ (protected at birth)							

# District coverage (as reported)

		2004	2003
Number of districts in country		26	
Percentage of districts reporting		0%	
	below 50%		
DTP3: proportion of districts with coverage	between 50-79%		
	at 80% or above		
MCV: proportion of districts with coverage a			
DTP1-DTP3 drop-out rate: proportion of dist	ricts that		
have achieved a rate of less than 10%			
Supply: any vaccine supply interruption?			
Safety: proportion of districts supplied with			
of autodisable (AD) syringes for all routine in			

DT	5 years	DTwPHibHep	2, 4, 6 months
MMR	1, 4-5 years	OPV	2, 4, 6 months; 5 years

# Argentina

							2	004	
	Births						6	35,000	
Surviving infants								675,000	
	Total populatio	n					38,3	72,000	
	Infant mortality	rate (per 1	,000 live	births).				16	
	Under-five mor	tality rate (	per 1,000	) live bir	ths)			18	
	Gross national							3,720	
	Percentage of r Immunization v							100	
	National co	overage	rates	(WHO/	UNICEF	estimates	, 2004)		
	200	2004	2003	2002	2001	2000	1990	1980	
	BCG	99%	99%	99%	99%	99%	99%	62%	
	DTP1	95%	96%	96%	92%	88%	95%	66%	
	DTP3	90%	89%	88%	82%	66%	86%	41%	
	HepB3	88%						•••	
	MCV	95%	96%	97%	94%	56%	93%	58%	
	Pol3	95%	93%	91%	88%	85%	90%	91%	
	Hib3	90%	99%	93%	84%	66%			
	TT2+ (protected at birth)	•••	•••			•••	•••		
	District cov	/erage (	as repoi	rted)					
	Number of dist	ricts in cou	ntry				2004 522	2003	
	Percentage of o	districts rep	orting				100%		
					below	50%	2%		
	DTP3: proportio	on of distric	cts with o	overage	betwe	en 50-79%	11%		
						6 or above	86%		
	NACVA								
	MCV: proportio			•			60%	•••	
	have achieved				Stricts tria	ı	21%		
	Supply: any vac	cine supply	/ interrup	tion?					
	Safety: proport of autodisable								
	Immunizat	ion sche	edule						
	BCG		n; 6 years	;   [	OTP		6	years	
	DTPHib	2, 4, 6, 18	•		НерВ	hirt	n; 2, 6 m	•	
	Influenza		-65 years		СРВ	Dirti		years	
	MR		•	ı	MMR		1, 6, 11	years	
		•	t-partum	(	OPV	2, 4,	6, 18 m		
	Td	16 years; a	nd every 10 years				6	years	

# **Armenia**

# 2004

Births	34,000
Surviving infants	33,000
Total population	3,026,000
Infant mortality rate (per 1,000 live births)	29
Under-five mortality rate (per 1,000 live births)	32
Gross national income per capita (US\$)	1,120
Percentage of routine Expanded Programme on Immunization vaccines financed by government	6

# National coverage rates (WHO/UNICEF estimates, 2004)

	2004	2003	2002	2001	2000	1990	1980
BCG	96%	92%	97%	97%	97%		
DTP1	97%	97%	97%	97%	97%		
DTP3	91%	94%	94%	94%	93%		
HepB3	91%	93%	91%	69%	55%		
MCV	92%	94%	91%	93%	92%		
Pol3	93%	96%	96%	97%	96%		
Hib3							
TT2+ (protected at birth)							

# District coverage (as reported)

		2004	2003
Number of districts in country		11	52
Percentage of districts reporting	100%	100%	
	below 50%	0%	0%
DTP3: proportion of districts with coverage	between 50-79%	0%	0%
	at 80% or above	100%	100%
MCV: proportion of districts with coverage a	t 90% or above	64%	94%
DTP1-DTP3 drop-out rate: proportion of dist have achieved a rate of less than 10%	100%		
Supply: any vaccine supply interruption?		Yes	No
Safety: proportion of districts supplied with of autodisable (AD) syringes for all routine in	100%	100%	

BCG	birth; 7 years	DTwP	3, 4.5, 6, 18 months
НерВ	birth; 1.5-3 months	MMR	1, 6 years
OPV	3, 4.5, 6, 18, 20 months	Td	6, 16, 26, 36 years

							2	004
E	Births						2	49,000
Surviving infants								48,000
7	Total population.						19,9	42,000
I	nfant mortality r	ate (per 1	1,000 live	births)				5
Į	Under-five morta	lity rate (	per 1,000	live birth	ıs)			6
(	Gross national in	come pe	r capita (	US\$)			:	26,900
	Percentage of ro mmunization va							100
	National co	verage	rates	(WHO/U	NICEF 6	estimates	, 2004)	
		2004	2003	2002	2001	2000	1990	1980
E	BCG							
[	DTP1	97%	97%	97%	97%	96%	98%	58%
[	DTP3	92%	93%	92%	92%	90%	95%	33%
ŀ	HepB3	95%	95%	94%	94%		•••	
ſ	MCV	93%	94%	93%	92%	91%	86%	
F	Pol3	92%	93%	92%	91%	90%	72%	17%
ŀ	Hib3	95%	95%	95%	95%	90%		
	TT2+ protected at birth)							•••
1	District cove	erage (	as repoi	rted)				
							2004	2003
1	Number of distri	cts in cou	ntry				8	8
F	Percentage of dis	stricts rep	orting					100%
					below	50%	0%	0%
[	DTP3: proportion	of distri	cts with o	coverage	betwee	en 50-79%	0%	0%
					at 80%	or above	100%	100%
	MCV: proportion			•			100%	
	DTP1–DTP3 drop nave achieved a				ricts that			0%
9	Supply: any vacci	ne supply	/ interrup	tion?				No
(	Safety: proportio of autodisable (A	D) syring	es for all					
	lmmunizatio	on sch	edule					

#### HepB DTaP 2, 4, 6 months; birth; 2, 4, 6, 12 months; 4, 15-17 years dose at 6 months or 12 months but not both. Hib 2, 4, 12 months Also catch-up at 10-13 years MenC\_conj 12 months MMR 12 months; 4 years OPV Pneumo\_conj 2, 4, 6, 12 months; 2, 4, 6 months; eligible children only 4 years Influenza 65 years Pneumo\_ps 18-24 months; 4 years; eligible children only

# **Austria**

# 2004

Births	75,000
Surviving infants	75,000
Total population	8,171,000
Infant mortality rate (per 1,000 live births)	5
Under-five mortality rate (per 1,000 live births)	5
Gross national income per capita (US\$)	32,300
Percentage of routine Expanded Programme on Immunization vaccines financed by government	

# National coverage rates (WHO/UNICEF estimates, 2004)

	2004	2003	2002	2001	2000	1990	1980
BCG						97%	90%
DTP1	97%	94%	94%	94%	93%	96%	96%
DTP3	83%	84%	83%	84%	81%	90%	90%
HepB3	83%	83%	82%	44%			
MCV	74%	79%	78%	79%	75%	60%	
Pol3	83%	84%	82%	83%	71%	90%	90%
Hib3	83%	84%	82%	74%	72%		
TT2+ (protected at birth)							

# District coverage (as reported)

		2004	2003
Number of districts in country		121	121
Percentage of districts reporting			100%
	below 50%		
DTP3: proportion of districts with coverage	between 50-79%		
	at 80% or above		
MCV: proportion of districts with coverage a			
DTP1-DTP3 drop-out rate: proportion of dist have achieved a rate of less than 10%			
Supply: any vaccine supply interruption?		No	No
, ,, .	cr: :	140	140
Safety: proportion of districts supplied with of autodisable (AD) syringes for all routine in		100%	

DTaPHib	0-1 year (3 doses), 1-2 years	НерВ	12-13 years; school: booster or catch-up
IPV	0-1 year (3 doses), 1-2 years	MMR	1-2 years (2 doses); second dose earliest 28 days after 1st dose
Pneumo_conj	0-1 year (3 doses), 1-2 years; children belonging to defined high-risk groups	DTaPHibHepI	PV 0-1 year (3 doses), 1-2 years

# Azerbaijan

BirthsSurviving infar Total population Infant mortality Under-five more Gross national Percentage of	nts y rate (per rtality rate income per routine Ex	1,000 live (per 1,000 er capita (	births)  D live birt  US\$)	hs)		1; 1;	004 32,000 22,000 55,000 75 90 950
National c						2004)	
National o	2004	2003	2002	2001	2000	1990	1980
BCG	99%	99%	99%	98%	99%		
DTP1	98%	98%	97%	98%	99%		
DTP3	96%	97%	97%	98%	99%		
HepB3	97%	98%	97%				
MCV	98%	98%	97%	99%	99%		
Pol3	97%	98%	99%	99%	99%		
Hib3							
TT2+ (protected at birth)							
District co	verage	(as repo	rted)				
Number of dis	tricts in co	untry				2004 64	2003 82
Percentage of	districts re	portina				97%	91%
J		. 0		below	50%	0%	0%
DTP3: proporti	on of distr	icts with c	overage		en 50-79%	0%	0%
o. p. op o					6 or above	97%	91%
NACV4 manageria				L		86%	
MCV: proportion DTP1-DTP3 dro			•			80%	91%
have achieved	a rate of le	ess than 1	0%			98%	100%
Supply: any va						No	No
Safety: proport of autodisable						100%	91%
Immunizat	ion sch	edule					
BCG		4-7 days	s   C	T		6	years
DTwP	2, 3, 4, 1	18 months	; F	lepB	birt	h; 2, 4 m	onths
MMR	12 month	ıs; 6 years	s C	PV			days;
Vitamin A	12, 1	8 months; 6 years				2, 3, 4 m	onths

# **Bahamas**

# 2004

Births	6,000
Surviving infants	6,000
Total population	319,000
Infant mortality rate (per 1,000 live births)	10
Under-five mortality rate (per 1,000 live births)	13
Gross national income per capita (US\$)	14,920
Percentage of routine Expanded Programme on Immunization vaccines financed by government	100

# National coverage rates (WHO/UNICEF estimates, 2004)

	2004	2003	2002	2001	2000	1990	1980
BCG							
DTP1	99%	97%	98%	99%	99%	95%	61%
DTP3	93%	92%	98%	99%	99%	86%	36%
HepB3	93%	88%	89%	21%			
MCV	89%	90%	94%	92%	93%	86%	
Pol3	92%	93%	93%	98%	91%	82%	35%
Hib3	93%	93%	94%	99%	90%		
TT2+ (protected at birth)							

# District coverage (as reported)

		2004	2003
Number of districts in country		62	
Percentage of districts reporting		100%	
	below 50%	0%	
DTP3: proportion of districts with coverage	between 50-79%	0%	
	at 80% or above	100%	
MCV: proportion of districts with coverage a	t 90% or above	100%	
DTP1–DTP3 drop-out rate: proportion of dist have achieved a rate of less than 10%	ricts that	98%	
Supply: any vaccine supply interruption?		No	
Safety: proportion of districts supplied with of autodisable (AD) syringes for all routine in		100%	

DT	4-5, 10-12 years;	DTwPHib	15 months
DTwPHibHep	school age	НерВ	2, 4, 6 months
•	2, 4, 6 months	OPV	2, 4, 6 months;
MMR	1, 4-5 years		4-5 years
Td	20-22, 30-32, 40-42, 50-52 years	Yellow Fever	9 months; 10, 20, 30, 40, 60 years
IPV 4,	2, 4, 6 months; 5 years (subnational)	Influenza	> 6 months (subnational)

Births  Surviving infants  Total population					7	004 13,000 13,000 16,000 9 11 10,840	
National co	overage	rates	(WHO/l	JNICEF	estimates	, 2004)	
BCG DTP1 DTP3 HepB3 MCV Pol3	2004 70% 97% 98% 98% 99%	2003  99% 97% 98% 99%	2002  99% 98% 98% 99%	2001  99% 99% 97% 98% 97%	2000  98% 97% 97% 98%	1990  97% 94%  87% 94%	1980  89% 72%  45% 72%
Hib3	98%	97%	98%	99%	96%		
TT2+ (protected at birth)							
District cov	verage (	as repo	rted)				
Number of dist Percentage of o	listricts rep	orting	coverage		/ 50% een 50-79% % or above	2004 71 6% 	2003 18 100% 
MCV: proportion of districts with coverage at 90% or above						6%	
DTP1-DTP3 dro				tricts tha	at		
Supply: any vac	cine supply	interrup	tion?				No
Safety: proport of autodisable							
<b>Immunizat</b>	ion sche	edule					
DTaP 5 years DTwPHibHep 2, 4, 6, 18 months							
НерА	1	, 2 years	, F	lepB		; contact	
MMR	1, 5,	11 years	3		scho	ool and co stu	ollege ıdents
Td	12 years;	-	j C	PV	2, 4,	6, 18 m	onths; years
Hib	2, 4, 6, 18 (sub		s T	Т	+6 month	visit; +6 v ns; +1, +1 egnant w	year;

# Bangladesh

# 2004

Births	3,738,000
Surviving infants	3,530,000
Total population	139,215,000
Infant mortality rate (per 1,000 live births)	56
Under-five mortality rate (per 1,000 live births)	77
Gross national income per capita (US\$)	440
Percentage of routine Expanded Programme on Immunization vaccines financed by government	100

# National coverage rates (WHO/UNICEF estimates, 2004)

	2004	2003	2002	2001	2000	1990	1980
BCG	95%	95%	95%	94%	95%	86%	
DTP1	95%	95%	95%	94%	93%	86%	
DTP3	85%	85%	85%	83%	83%	69%	
HepB3							
MCV	77%	77%	77%	76%	76%	65%	
Pol3	85%	85%	85%	83%	83%	69%	
Hib3							
TT2+ (protected at birth)	45%	89%	89%	87%	85%		

# District coverage (as reported)

Number of districts in country		2004 64	2003 64
Percentage of districts reporting		100%	100%
	below 50%	0%	0%
DTP3: proportion of districts with coverage	between 50-79%	6%	3%
	at 80% or above	94%	97%
MCV: proportion of districts with coverage a	t 90% or above	67%	80%
DTP1–DTP3 drop-out rate: proportion of dist have achieved a rate of less than 10%	ricts that	100%	100%
Supply: any vaccine supply interruption?		No	No
Safety: proportion of districts supplied with a of autodisable (AD) syringes for all routine in		100%	

BCG	birth	DTwP	6, 10, 14 weeks
Measles	38 weeks	OPV	6, 10, 14, 38 weeks
тт	CBAW (15-49 years) and 1st contact; +1 +6 months; +1 +1 year	Vitamin A	38 weeks

						2	004	
Births							3,000	
Surviving infan						20	3,000	
Total population Infant mortality						20	59,000 10	
Under-five mor			12					
Gross national							9,270	
Percentage of re							0,2.0	
	Immunization vaccines financed by government							
National co	National coverage rates (WHO/UNICEF estimates, 2004)							
	2004	2003	2002	2001	2000	1990	1980	
BCG								
DTP1	97%		91%	92%	93%	97%	82%	
DTP3	93%		87%	90%	93%	91%	60%	
HepB3	93%	91%	66%	18%				
MCV	98%		91%	93%	94%	87%	41%	
Pol3	93%		86%	93%	86%	90%	99%	
Hib3	93%	/-	66%	18%	•••	•••		
TT2+ (protected at birth)				•••				
District cov	verage (a	as report	ed)					
						2004	2003	
Number of dist	ricts in cou	ntry				8		
Percentage of d	listricts rep	orting				100%		
				below	50%	0%		
DTP3: proportio	on of distric	ts with co	verage	betwee	n 50-79%	0%		
				at 80%	or above	100%		
MCV: proportio	n of district	s with co	verage a	– t 90% or	above	100%		
DTP1-DTP3 dro				ricts that				
have achieved a	a rate of les	ss than 10	%			100%	•••	
Supply: any vac	cine supply	interrupti	on?			No		
Safety: proporti of autodisable (						100%		
Immunizati	ion sche	edule						
BCG	Ę	5-6 years	רם			4-5	years	
DTwP 18 months DTwPHibHep 3, 4.5, 6 mon						onths		
	boos	ster dose	OF	Pγ	3, 4.5.	6, 18 mc	onths;	
MMR	1 1	) E						
	1, 3	3-5 years			4	.5, 10-11	years	

# **Belarus**

#### 2004

Births	91,000
Surviving infants	89,000
Total population	9,811,000
Infant mortality rate (per 1,000 live births)	9
Under-five mortality rate (per 1,000 live births)	11
Gross national income per capita (US\$)	2,120
Percentage of routine Expanded Programme on Immunization vaccines financed by government	100

#### National coverage rates (WHO/UNICEF estimates, 2004)

	2004	2003	2002	2001	2000	1990	1980
BCG	99%	99%	99%	99%	99%		
DTP1	99%	74%	99%	99%	99%		
DTP3	99%	50%	99%	99%	99%		
HepB3	99%	56%	99%	93%	70%		
MCV	99%	99%	99%	99%	98%		
Pol3	99%	53%	99%	99%	99%		
Hib3							
TT2+ (protected at birth)							

#### District coverage (as reported)

		2004	2003
Number of districts in country		140	
Percentage of districts reporting		100%	
	below 50%	0%	0%
DTP3: proportion of districts with coverage	between 50-79%	0%	0%
	at 80% or above	100%	100%
MCV: proportion of districts with coverage a	100%	100%	
DTP1–DTP3 drop-out rate: proportion of dist have achieved a rate of less than 10%	100%		
Supply: any vaccine supply interruption?	No		
Safety: proportion of districts supplied with of autodisable (AD) syringes for all routine in			

BCG	3 weeks; 7 years; at	Dip	11 years
	7 years only if tuberculin test negative	DTwP	3, 4, 5, 18 months
DT	6 years	IPV	3, 4 months
НерВ	birth; or 13 years (3 doses) or M1, M6	OPV	4, 5, 18, 24 months; 7 years
MMR	12 months; 6 years	Td	16, 26, 36, 46, 56, 66 years

BirthsSurviving infant Total population Infant mortality Under-five mort Gross national Percentage of re Immunization v	ts rate (per tality rate income po outine Ex accines fil	1,000 live (per 1,000 er capita (l panded Pr	births) l live birth US\$) ogramme governm	on ent		1 10,4	004 11,000 11,000 00,000 4 5 31,030
National co	overage	e rates	(WHO/U	NICEF	estimates	5, 2004)	
	2004	2003	2002	2001	2000	1990	1980
BCG			•••		•••		
DTP1	97%	96%	96%	95%	98%	97%	98%
DTP3	95%	93%	91%	90%	95%	93%	95%
НерВ3	65%	60%	55%	50%	60%		
MCV	82%	80%	77%	75%	82%	85%	
Pol3	96%	96%	95%	95%	96%	95%	99%
Hib3	95%	90%	85%	80%	62%		
TT2+ (protected at birth)							
District cov	verage	(as repor	ted)				
						2004	2003
Number of dist	ricts in co	untry				43	
Percentage of d	listricts re	porting					
				below	50%		
DTP3: proportio	on of distr	icts with c	overage	betwe	en 50-79%		
p p					or above		
				L		•••	
MCV: proportio			•				
DTP1–DTP3 dro have achieved a				ricts tha	t		
0 1							
Supply: any vac				· · ·			•••
Safety: proporti of autodisable (							
Immunizati	ion sch	edule					
DTaPHibHepIPV	2, 3, 4,	15 months	D	ГаРIPV		5-7	years
НерВ		-13 years; -6 months		b	2, 3, 4,	, 13-18 m	onths
MenC_con		I2 months		MR		12 m	onths;
Td		4-16 years				10-13	years
	1.	. IO yours					

# Belize

#### 2004

Births	7,000
Surviving infants	7,000
Total population	264,000
Infant mortality rate (per 1,000 live births)	32
Under-five mortality rate (per 1,000 live births)	39
Gross national income per capita (US\$)	3,940
Percentage of routine Expanded Programme on Immunization vaccines financed by government	100

#### National coverage rates (WHO/UNICEF estimates, 2004)

	2004	2003	2002	2001	2000	1990	1980
BCG	99%	99%	97%	98%	95%	93%	65%
DTP1	99%	99%	99%	98%	96%	97%	72%
DTP3	95%	96%	89%	96%	89%	91%	47%
HepB3	96%	96%	97%	76%	75%		
MCV	95%	96%	89%	93%	95%	86%	21%
Pol3	95%	95%	93%	96%	89%	86%	21%
Hib3	96%	96%	89%	96%			
TT2+ (protected at birth)							

#### District coverage (as reported)

		2004	2003
Number of districts in country		6	6
Percentage of districts reporting		100%	100%
	below 50%	0%	0%
DTP3: proportion of districts with coverage	between 50-79%	0%	0%
	at 80% or above	100%	100%
MCV: proportion of districts with coverage a	100%	83%	
DTP1–DTP3 drop-out rate: proportion of dist have achieved a rate of less than 10%	100%	100%	
Supply: any vaccine supply interruption?		No	No
Safety: proportion of districts supplied with of autodisable (AD) syringes for all routine in	100%		

BCG	birth	DT	2, 4, 6 months; 4 years
DTwP	2, 4, 6 months; 4 years	DTwPHibHep	2, 4, 6 months
IPV	2, 4, 6 months;	MMR	1 year
	4 years	Td	>7 years; children
OPV	2, 4, 6 months; 4 years		7 years and adults

Births  Surviving infants  Total population  Infant mortality rate (per 1,000 live births)  Under-five mortality rate (per 1,000 live births)  Gross national income per capita (US\$)						3	004 41,000 06,000 77,000 90 152 530
	Percentage of routine Expanded Programme on Immunization vaccines financed by government						73
National c	overage	rates	(WHO/l	JNICEF	estimates	, 2004)	
BCG DTP1	2004 99% 99%	2003 99% 99%	2002 94% 92%	2001 94% 91%	2000 94% 91%	1990 92% 86%	1980
DTP3	83%	88%	79%	76%	79%	74%	
HepB3	89%	81%	15%				
MCV	85%	83%	78%	65%	68%	79%	
Pol3	89%	88%	72%	75%	78%	74%	
Hib3						•••	
TT2+ (protected at birth)	69%	56%	56%	56%	56%		
District co	verage (a	as repoi	rted)				
Number of districts in country  Percentage of districts reporting						2004 77 100%	2003 77 100%
r creentage or	districts rep	orting		below	, 50%	1%	0%
DTP3: proporti	on of distric	ts with c	overage		een 50-79%	39%	23%
DTT 3. proporti	on or distric	vitii c	overage		% or above	60%	77%
MCV: proportion	on of district	s with co	overage a	∟ at 90% o	r above	36%	36%
DTP1–DTP3 dr have achieved				tricts tha	at	43%	23%
Supply: any va	ccine supply	interrup	tion?			Yes	No
Safety: propor of autodisable						100%	100%
Immunizat	tion sche	edule					
BCG		birth	[	TwP	6	5, 10, 14 v	weeks
НерВ	6, 10, 1	14 weeks	; N	/leasles		9 m	onths
OPV	bir 1	th; 6, 10, 14 weeks	, т	Т		act pregr +1, +6 m +1, +	
Vitamin A	Vitamin A 6 months  Yellow Fever						onths

## **Bhutan**

#### 2004

Births	64,000
Surviving infants	60,000
Total population	2,116,000
Infant mortality rate (per 1,000 live births)	67
Under-five mortality rate (per 1,000 live births)	80
Gross national income per capita (US\$)	760
Percentage of routine Expanded Programme on Immunization vaccines financed by government	0

#### National coverage rates (WHO/UNICEF estimates, 2004)

	2004	2003	2002	2001	2000	1990	1980
BCG	92%	93%	83%	81%	97%	99%	43%
DTP1	93%	98%	86%	96%	99%	98%	25%
DTP3	89%	95%	86%	88%	92%	96%	6%
HepB3	89%	95%	83%	89%	98%		
MCV	87%	88%	78%	78%	76%	93%	21%
Pol3	90%	96%	89%	88%	98%	96%	4%
Hib3							
TT2+ (protected at birth)							

#### District coverage (as reported)

		2004	2003
Number of districts in country		20	20
Percentage of districts reporting		100%	100%
	below 50%	0%	0%
DTP3: proportion of districts with coverage	between 50-79%	0%	5%
	at 80% or above	100%	95%
MCV: proportion of districts with coverage a	t 90% or above	45%	
DTP1-DTP3 drop-out rate: proportion of dist have achieved a rate of less than 10%	ricts that	100%	90%
Supply: any vaccine supply interruption?		No	
Safety: proportion of districts supplied with of autodisable (AD) syringes for all routine in		100%	100%

BCG	birth	DT	24 months
DTwPHep	6, 10, 14 weeks	Measles	9 months
OPV	6, 10, 14 weeks; 24 months	тт	1st contact pregnancy; +1; +6 months; +1, +1 year

						2	004
Births						20	65,000
Surviving infar	251,000						
Total population							09,000
Infant mortality	rate (per	1,000 live	e births)				54
Under-five mor	rtality rate	(per 1,00	0 live birt	hs)			69
Gross national	income pe	er capita	(US\$)				960
Percentage of I	routine Exp	panded F	rogramm	e on			
Immunization v	/accines fi	nanced b	y governn	nent			34
National c	overage	e rates	(WHO/L	JNICEF	estimates	, 2004)	
	2004	2003	2002	2001	2000	1990	1980
BCG	93%	93%	93%	94%	95%	65%	30%
DTP1	94%	94%	94%	93%	93%	66%	32%
DTP3	81%	81%	81%	81%	80%	41%	11%
HepB3	84%	81%	81%	81%			
MCV	64%	64%	64%	69%	74%	53%	13%
Pol3	79%	79%	79%	79%	78%	50%	14%
Hib3	81%	81%	81%	81%			
TT2+ (protected at birth)							
District coverage (as reported)							
District cov	verage	(as repo	orted)				
District cov	verage	(as repo	orted)			2004	2003
District co			orted)			2004 311	2003 314
	tricts in co	untry	orted)				
Number of dist	tricts in co	untry	orted)	below	ı 50%	311	314
Number of dist	tricts in co	untry porting			/ 50% een 50-79%	311 100%	314 100%
Number of dist	tricts in co	untry porting		betwe		311 100% 6%	314 100% 3%
Number of dist	tricts in co districts re on of distr	untry porting icts with	coverage	betwee	een 50-79% % or above	311 100% 6% 32%	314 100% 3% 16%
Number of dist Percentage of of DTP3: proportion MCV: proportion DTP1-DTP3 dro	tricts in coodistricts re	untry porting icts with cts with o	coverage coverage a tion of dis	between at 80% of	een 50-79% % or above r above	311 100% 6% 32% 62% 47%	314 100% 3% 16% 82%
Number of dist Percentage of o DTP3: proportion	tricts in coodistricts re	untry porting icts with cts with o	coverage coverage a tion of dis	between at 80% of	een 50-79% % or above r above	311 100% 6% 32% 62%	314 100% 3% 16% 82%
Number of dist Percentage of of DTP3: proportion MCV: proportion DTP1-DTP3 dro	tricts in co districts re on of distr on of distri op-out rate a rate of le	untry porting icts with cts with o	coverage coverage a tion of dis 10%	between at 80% of	een 50-79% % or above r above	311 100% 6% 32% 62% 47%	314 100% 3% 16% 82% 75%
Number of dist Percentage of of DTP3: proportion MCV: proportion DTP1–DTP3 dro have achieved	tricts in co districts re on of distri op-out rate a rate of ke ccine suppl	untry porting icts with cts with c e: proportions than ly interru	coverage attion of distance 10% ption?	betwee at 80% of tricts that sufficient	een 50-79% % or above r above at	311 100% 6% 32% 62% 47%	314 100% 3% 16% 82% 75% 74%
Number of dist Percentage of of DTP3: proportion MCV: proportion DTP1-DTP3 dro have achieved Supply: any vac Safety: proport	tricts in co districts re on of distri op-out rate a rate of le ccine suppl tion of dist (AD) syrin	untry porting icts with cts with of the proportions than ly interru ges for a	coverage attion of distance 10% ption?	betwee at 80% of tricts that sufficient	een 50-79% % or above r above at	311 100% 6% 32% 62% 47% 87%	314 100% 3% 16% 82% 75% 74%
Number of dist Percentage of of DTP3: proportion MCV: proportion DTP1-DTP3 dro have achieved Supply: any vac Safety: proport of autodisable	tricts in co districts re on of distri op-out rate a rate of le ccine suppl tion of dist (AD) syrin	untry porting icts with cts with of the proportions than ly interru ges for a	coverage ation of distance in the coverage at	betwee at 80% of tricts that sufficient	een 50-79% % or above r above at  nt number ations	311 100% 6% 32% 62% 47% 87%	314 100% 3% 16% 82% 75% 74% No 30%
Number of dist Percentage of of DTP3: proportion MCV: proportion DTP1-DTP3 dro have achieved Supply: any vac Safety: proport of autodisable Immunizate BCG	tricts in co districts re on of distri op-out rate a rate of le ccine suppl tion of dist (AD) syrin	untry porting icts with cts with ones proportions by interrularicts sup ges for a cedule	coverage ation of distance of the country of the co	betwee at 80% of tricts that sufficient mmuniz	een 50-79% % or above r above at  nt number ations	311 100% 6% 32% 62% 47% 87% Yes 100%	314 100% 3% 16% 82% 75% 74% No 30%
Number of dist Percentage of of DTP3: proportion MCV: proportion DTP1-DTP3 dro have achieved Supply: any vac Safety: proport of autodisable Immunizate BCG	tricts in coodistricts recon of districts on of districts on of districts a rate of lection of distriction sch	untry porting icts with cts with ones proportions by interrularicts sup ges for a cedule	coverage ation of distance in the contract of	betwee at 80% of tricts that sufficient mmuniz	een 50-79% % or above r above at  nt number ations	311 100% 6% 32% 62% 47% 87% Yes 100%	314 100% 3% 16% 82% 75% 74% No 30% onths
Number of dist Percentage of of DTP3: proportion MCV: proportion DTP1-DTP3 dro have achieved Supply: any vac Safety: proport of autodisable Immunizate BCG	tricts in coodistricts recon of districts on of districts on of districts a rate of lection of distriction of distriction scholistriction scho	untry porting icts with cts with c ex proport ess than ly interrul cricts sup ges for a birt in sentine	coverage ation of distance in the country of the co	betwee at 80% of tricts that sufficient mmuniz	een 50-79% % or above r above at  nt number ations  Hep  CBAW (15	311 100% 6% 32% 62% 47% 87% Yes 100%	314 100% 3% 16% 82% 75% 74% No 30% onths 1 year

Yellow Fever

post-partum

1 year

# Bosnia and Herzegovina

#### 2004

Births	37,000
Surviving infants	36,000
Total population	3,909,000
Infant mortality rate (per 1,000 live births)	13
Under-five mortality rate (per 1,000 live births)	15
Gross national income per capita (US\$)	2,040
Percentage of routine Expanded Programme on Immunization vaccines financed by government	70

#### National coverage rates (WHO/UNICEF estimates, 2004)

	2004	2003	2002	2001	2000	1990	1980
BCG	95%	94%	91%	95%	93%		
DTP1	93%	93%	86%	94%	90%		
DTP3	84%	87%	80%	91%	85%		
HepB3	81%						
MCV	88%	84%	89%	92%	80%		
Pol3	87%	86%	86%	92%	87%		
Hib3	79%						
TT2+ (protected at birth)							

#### District coverage (as reported)

		2004	2003
Number of districts in country		18	17
Percentage of districts reporting		100%	100%
	below 50%	0%	0%
DTP3: proportion of districts with coverage	between 50-79%	22%	18%
	at 80% or above	78%	82%
MCV: proportion of districts with coverage a	t 90% or above	78%	76%
DTP1-DTP3 drop-out rate: proportion of dist have achieved a rate of less than 10%	ricts that	78%	82%
Supply: any vaccine supply interruption?			Yes
Safety: proportion of districts supplied with of autodisable (AD) syringes for all routine in			39%

BCG	birth; in RS 7 years	НерВ	birth; 2, 6 months; a dose is also given at 7 years in		
MMR	2 years; 7 years in part of the country		part of the country		
	part of the country	OPV	3, 4, 6, 18 months;		
Rubella	14 years; girls		5, 14 years		
TT	18 years	Td	14 years		
Hib	2, 4 months; 2 years (subnational)				

						2	004
Births							46,000
Surviving infa	nts						44,000
Total population	on					1,7	69,000
Infant mortalit	y rate (per 1	,000 live	births)				84
Under-five mo		116					
Gross national income per capita (US\$)							
Percentage of							400
Immunization	vaccines fin	anced by	governn	nent			100
National c	overage	rates	(WHO/L	JNICEF	estimates	, 2004)	
	2004	2003	2002	2001	2000	1990	1980
BCG	99%	99%	99%	99%	99%	93%	92%
DTP1	98%	98%	98%	98%	98%	99%	89%
DTP3	97%	97%	97%	97%	97%	92%	71%
HepB3	79%	78%	46%	64%	73%		
MCV	90%	90%	90%	90%	90%	87%	63%
Pol3	97%	97%	97%	97%	97%	90%	46%
Hib3							
TT2+ (protected at birth)							
District co	verage (	as repo	rted)				
						2004	2003
Number of dis	tricts in cou	ntry				24	24
Percentage of	districts rep	orting				100%	100%
				belov	v 50%	0%	0%
DTP3: proport	ion of distric	cts with o	coverage	betwe	een 50-79%	0%	0%
				at 809	% or above	100%	100%
MCV: proporti	on of distric	ts with c	overage a	nt 90% o	r above	38%	58%
DTP1–DTP3 dr have achieved				tricts tha	at	63%	67%
Supply: any va	ccine supply	/ interrup	tion?			Yes	Yes
Safety: propor of autodisable							
lmmuniza	tion sche	edule					

# BCG birth DT

BCG birth DT 7 years

HepB birth; 2, 9 months Measles 9 months

OPV 2, 3, 4, 18 months; 7 years

TT CBAW and grade 7 pupils

## **Brazil**

#### 2004

Births	3,728,000
Surviving infants	3,631,000
Total population	183,913,000
Infant mortality rate (per 1,000 live births)	32
Under-five mortality rate (per 1,000 live births)	34
Gross national income per capita (US\$)	3,090
Percentage of routine Expanded Programme on Immunization vaccines financed by government	100

#### National coverage rates (WHO/UNICEF estimates, 2004)

	2004	2003	2002	2001	2000	1990	1980
BCG	99%	99%	99%	99%	99%	79%	56%
DTP1	96%	99%	99%	99%	99%	86%	62%
DTP3	96%	96%	99%	98%	99%	66%	37%
HepB3	90%	91%	92%	92%	99%		
MCV	99%	99%	97%	99%	99%	78%	56%
Pol3	98%	99%	99%	99%	99%	58%	69%
Hib3	96%	96%	93%	93%	97%		
TT2+ (protected at birth)							

#### District coverage (as reported)

		2004	2003
Number of districts in country		5,560	5,560
Percentage of districts reporting		100%	100%
	below 50%	1%	2%
DTP3: proportion of districts with coverage	between 50-79%	15%	15%
	at 80% or above	84%	84%
MCV: proportion of districts with coverage a	t 90% or above	67%	79%
DTP1–DTP3 drop-out rate: proportion of dist have achieved a rate of less than 10%	ricts that	81%	78%
Supply: any vaccine supply interruption?			No
Safety: proportion of districts supplied with of autodisable (AD) syringes for all routine in			100%

BCG	birth; 6-10 years; (subnational)	DTwP	15 months; 4-6 years
НерВ	birth; 1, 6 months	Hib	>12 months; CRIE indications
MMR	1, 4-6 years	OPV	2, 4, 6, 15 months
Td	11 years; 4 doses to CBAW	Yellow Fever	≥9 months; 10 years
DTwPHib	2, 4, 6 months	DTwPHibHep	2, 4, 6 months

# **Brunei Darussalam**

						2	004	
Births							8,000	
Surviving infar	Surviving infants							
Total populatio	Total population							
Infant mortality rate (per 1,000 live births)							8	
Under-five mortality rate (per 1,000 live births)							9	
Gross national	•						24,100	
Percentage of routine Expanded Programme on Immunization vaccines financed by government								
National c	overag	e rates (	WHO/U	NICEF	estimates	s, 2004)		
	2004		2002	2001	2000	1990	1980	
BCG	99%	99%	99%	99%	99%	91%	99%	
DTP1	99%		99%	99%	99%	97%	96%	
DTP3	92%		97%	99%	99%	93%	89%	
HepB3	99%	/-	99%	99%	99%	96%		
MCV	99%	/-	99%	99%	99%	99%	73%	
Pol3	92%	95%	97%	99%	99%	92%	89%	
Hib3	92%							
TT2+ (protected at birth)							•••	
District co	verage	(as report	ed)					
						2004	2003	
Number of dist	tricts in co	untry				4	4	
Percentage of	districts re	porting					100%	
				below	50%		0%	
DTP3: proporti	on of distr	icts with co	verage	betwee	en 50-79%		0%	
				at 80%	or above		100%	
MCV: proportio	n of distri	cts with cov	verage a	– t 90% or	above		100%	
DTP1–DTP3 dro			•					
have achieved	a rate of l	ess than 10	%				100%	
Supply: any vad	ccine supp	ly interrupti	on?				No	
Safety: proport of autodisable							0%	
Immunizat	ion sch	edule						
BCG		birth	D1	Г		5	years	
DTwP	2, 3,	4 months	Dī	ГwРНib		2, 3, 4 m	onths	
НерВ	birth; 1,	6 months	М	MR			onths;	
OPV	2, 3, 4	months; 5		_			years	
	, -, .	years	TT			3-40 (1st ears (2nd		

# Bulgaria

#### 2004

Births	67,000
Surviving infants	66,000
Total population	7,780,000
Infant mortality rate (per 1,000 live births)	12
Under-five mortality rate (per 1,000 live births)	15
Gross national income per capita (US\$)	2,740
Percentage of routine Expanded Programme on Immunization vaccines financed by government	100

#### National coverage rates (WHO/UNICEF estimates, 2004)

	2004	2003	2002	2001	2000	1990	1980
BCG	98%	98%	98%	98%	98%	99%	99%
DTP1	95%	96%	97%	95%	95%	99%	98%
DTP3	95%	96%	93%	94%	93%	99%	98%
HepB3	94%	96%	88%	93%	94%		
MCV	95%	96%	92%	90%	89%	99%	98%
Pol3	94%	96%	94%	94%	94%	99%	99%
Hib3							
TT2+ (protected at birth)							

#### District coverage (as reported)

Number of districts in country		2004 28	2003 28	
,				
Percentage of districts reporting	_	100%	100%	
	below 50%	0%	0%	
DTP3: proportion of districts with coverage	between 50-79%	0%	0%	
	at 80% or above	100%	100%	
MCV: proportion of districts with coverage a	t 90% or above			
DTP1-DTP3 drop-out rate: proportion of dist have achieved a rate of less than 10%	ricts that	100%	100%	
Supply: any vaccine supply interruption?		No	No	
Safety: proportion of districts supplied with of autodisable (AD) syringes for all routine in		100%	100%	

BCG	birth; 7 months; 7, 11,	DT	7 years
	17 years; other than birth only to Mantoux	НерВ	birth; 1, 6 months
DTwP	2, 3, 4 months; 2 years	OPV	2, 3, 4, 14, 22 months;
MMR	13 months; 12 years		7 years; "0" dose for high-risk groups at birth
Td	12, 17, 25, 35 years	TT	45, 55, 65, 75, 85 years

Births  Surviving infants  Total population  Infant mortality rate (per 1,000 live births)  Under-five mortality rate (per 1,000 live births)  Gross national income per capita (US\$)  Percentage of routine Expanded Programme on Immunization vaccines financed by government						60 53	004 01,000 29,000 22,000 97 192 360
National	coverage	rates	(WHO/l	JNICEF	estimates	, 2004)	
BCG DTP1 DTP3 HepB3 MCV Pol3 Hib3 TT2+ (protected at birt)	2004 99% 99% 88%  78% 83%  65%	2003 83% 99% 84%  76% 83% 	2002 90% 89% 69%  64% 69% 	2001 80% 86% 68%  69% 68%  45%	2000 80% 84% 57%  59% 57% 	1990 95% 92% 66%  79% 66% 	1980   
•	District coverage (as reported)						
Number of districts in country  Percentage of districts reporting  DTP3: proportion of districts with coverage below 50% between 50-79% at 80% or above  MCV: proportion of districts with coverage at 90% or above  DTP1-DTP3 drop-out rate: proportion of districts that have achieved a rate of less than 10%  Supply: any vaccine supply interruption?  Safety: proportion of districts supplied with sufficient number of autodisable (AD) syringes for all routine immunizations						2004 55 100% 0% 24% 76% 11% 35% No	2003 53 100% 0% 57% 43% 8% 11% No
lmmuniz	ation sch	edule					
BCG Measles TT	1st contact pr	birth 9 months egnancy; months;	c	OTwP OPV 'ellow Fe	birth; 8	i, 12, 16 v i, 12, 16 v 9 m	

+1, +1 year

# Burundi

#### 2004

Births	330,000
Surviving infants	296,000
Total population	7,282,000
Infant mortality rate (per 1,000 live births)	114
Under-five mortality rate (per 1,000 live births)	190
Gross national income per capita (US\$)	90
Percentage of routine Expanded Programme on Immunization vaccines financed by government	6

#### National coverage rates (WHO/UNICEF estimates, 2004)

	2004	2003	2002	2001	2000	1990	1980
BCG	84%	84%	84%	84%	84%	97%	
DTP1	86%	86%	86%	86%	86%	95%	
DTP3	74%	74%	74%	74%	74%	86%	
HepB3	83%						
MCV	75%	75%	75%	75%	75%	74%	
Pol3	69%	69%	69%	69%	69%	97%	
Hib3	83%						
TT2+ (protected at birth)	45%	49%	53%	56%	60%		

#### District coverage (as reported)

		2004	2003
Number of districts in country		17	17
Percentage of districts reporting		100%	100%
	below 50%	0%	0%
DTP3: proportion of districts with coverage	between 50-79%	29%	12%
	at 80% or above	71%	88%
MCV: proportion of districts with coverage a	t 90% or above	24%	29%
DTP1–DTP3 drop-out rate: proportion of dist have achieved a rate of less than 10%	ricts that	47%	82%
Supply: any vaccine supply interruption?		Yes	Yes
Safety: proportion of districts supplied with of autodisable (AD) syringes for all routine in		100%	100%

BCG	birth	DTwP	6, 10, 14 weeks
DTwPHib	6, 10, 14 weeks	НерВ	6, 10, 14 weeks
Measles	9 months	MenAC	>2 years if outbreak
OPV	birth; 6, 10, 14 weeks	тт	1st contact pregnancy; +1, +6 months;
Vitamin A	9 months; every 6 months until 5 years		+1, +1 year

# Cambodia

Births							2	004
Total population	Births						4	22,000
Infant mortality rate (per 1,000 live births)	Survivin	g infants					3	83,000
Under-five mortality rate (per 1,000 live births)	Total po	pulation					13,7	98,000
Ross national income per capita (US\$)	Infant m	ortality rate (pe	r 1,000 live	births)				97
National coverage rates (WHO/UNICEF estimates, 2004)   Secondary States   Secondary Sta	Under-fi	ve mortality rate	e (per 1,000	) live birt	:hs)			141
National coverage rates (WHO/UNICEF estimates, 2004)   Secord	Gross na	ational income <sub>l</sub>	oer capita (	US\$)				320
BCG   95%   76%   63%   64%   81%   52%								12
BCG 95% 76% 63% 64% 81% 52%  DTP1 92% 74% 60% 65% 78% 63%  DTP3 85% 69% 54% 60% 50% 38%  HepB3	Natio	nal coveraç	je rates	(WHO/U	JNICEF	estimates	, 2004)	
DTP1   92%   74%   60%   65%   78%   63%		2004	2003	2002	2001	2000	1990	1980
DTP3	BCG	95%	76%	63%	64%	81%	52%	
HepB3	DTP1	92%	74%	60%	65%	78%	63%	
MCV         80%         65%         52%         59%         65%         34%            Pol3         86%         69%         54%         59%         62%         38%            Hib3                   TT2+         51%         43%         40%         40%         40%             District coverage (as reported)           2004 2003           Number of districts in country         75         74           Percentage of districts in country         75         74           Percentage of districts in country         100%         100%           DTP3: proportion of districts with coverage         below 50%         1%         8%           between 50-79%         29%         76%           at 80% or above         69%         16%           MCV: proportion of districts with coverage at 90% or above         13%         4%           DTP1-DTP3 drop-out rate: proportion of districts that have achieved a rate of less than 10%         76%         69%           Supply: any vaccine supply inter	DTP3	85%	69%	54%	60%	50%	38%	
Pol3	HepB3							
Hib3	MCV	80%	65%	52%	59%	65%	34%	
TT2+ (protected at birth)  District coverage (as reported)  Number of districts in country  Percentage of districts reporting  DTP3: proportion of districts with coverage  MCV: proportion of districts with coverage at 80% or above for at 80% or a	Pol3	86%	69%	54%	59%	62%	38%	
District coverage (as reported)    District coverage (as reported)   2004   2003	Hib3							
Number of districts in country  Percentage of districts reporting  DTP3: proportion of districts with coverage  below 50%  at 80% or above  at 80% or above  DTP1-DTP3 drop-out rate: proportion of districts that have achieved a rate of less than 10%  Supply: any vaccine supply interruption?  Safety: proportion of districts supplied with sufficient number of autodisable (AD) syringes for all routine immunizations  No  Immunization schedule  BCG  birth  OPV  6, 10, 14 weeks  Measles  9 months  TT  CBAW and pregnant women and 1st contact; +1, +1 month; +1, +1 year			43%	40%	40%	40%		
Number of districts in country  Percentage of districts reporting  DTP3: proportion of districts with coverage  below 50%  between 50-79%  at 80% or above  MCV: proportion of districts with coverage at 90% or above  DTP1-DTP3 drop-out rate: proportion of districts that have achieved a rate of less than 10%  Supply: any vaccine supply interruption?  Safety: proportion of districts supplied with sufficient number of autodisable (AD) syringes for all routine immunizations  No  Immunization schedule  BCG  birth  OPV  6, 10, 14 weeks  Measles  9 months  TT  CBAW and pregnant women and 1st contact; +1, +1 month; +1, +1 year	Distric	ct coverage	(as repo	rted)				
Percentage of districts reporting  DTP3: proportion of districts with coverage  below 50%  between 50-79%  at 80% or above  69%  16%  MCV: proportion of districts with coverage at 90% or above  DTP1-DTP3 drop-out rate: proportion of districts that have achieved a rate of less than 10%  Supply: any vaccine supply interruption?  Safety: proportion of districts supplied with sufficient number of autodisable (AD) syringes for all routine immunizations  Immunization schedule  BCG  birth  OPV  6, 10, 14 weeks  Measles  9 months  TT  CBAW and pregnant women and 1st contact; +1, +1 month; +1, +1 year								
DTP3: proportion of districts with coverage  below 50% 1% 8% between 50-79% 29% 76% at 80% or above 69% 16%  MCV: proportion of districts with coverage at 90% or above 13% 4% DTP1-DTP3 drop-out rate: proportion of districts that have achieved a rate of less than 10% 76% 69%  Supply: any vaccine supply interruption? No No Safety: proportion of districts supplied with sufficient number of autodisable (AD) syringes for all routine immunizations 100% 100%  Immunization schedule  BCG birth OPV 6, 10, 14 weeks  Measles 9 months Vitamin A 6-59 months children and post-partum women (within 8 weeks of delivery)  TT CBAW and pregnant women and 1st contact; +1, +1 month; +1, +1 year			•					
DTP3: proportion of districts with coverage at 80% or above 69% 16%  MCV: proportion of districts with coverage at 90% or above 13% 4%  DTP1-DTP3 drop-out rate: proportion of districts that have achieved a rate of less than 10% 76% 69%  Supply: any vaccine supply interruption? No No Safety: proportion of districts supplied with sufficient number of autodisable (AD) syringes for all routine immunizations 100% 100%  Immunization schedule  BCG birth OPV 6, 10, 14 weeks  Measles 9 months Vitamin A 6-59 months children and post-partum women (within 8 weeks of delivery)  +1, +1 month; +1, +1 year	Percenta	ige of districts r	eporting		_		100%	100%
mCV: proportion of districts with coverage at 90% or above 13% 4%  DTP1-DTP3 drop-out rate: proportion of districts that have achieved a rate of less than 10% 76% 69%  Supply: any vaccine supply interruption? No No Safety: proportion of districts supplied with sufficient number of autodisable (AD) syringes for all routine immunizations 100% 100%  Immunization schedule  BCG birth OPV 6, 10, 14 weeks  Measles 9 months Vitamin A 6-59 months children and post-partum women (within 8 weeks of delivery)  +1, +1 month; +1, +1 year					belov	v 50%	1%	8%
MCV: proportion of districts with coverage at 90% or above 13% 4% DTP1-DTP3 drop-out rate: proportion of districts that have achieved a rate of less than 10% 76% 69%  Supply: any vaccine supply interruption? No No Safety: proportion of districts supplied with sufficient number of autodisable (AD) syringes for all routine immunizations 100% 100%  Immunization schedule  BCG birth OPV 6, 10, 14 weeks  Measles 9 months Vitamin A 6-59 months children and post-partum women and 1st contact; +1, +1 month; +1, +1 year	DTP3: pı	roportion of dist	tricts with o	coverage	betwe	een 50-79%	29%	76%
DTP1-DTP3 drop-out rate: proportion of districts that have achieved a rate of less than 10%  Supply: any vaccine supply interruption?  Safety: proportion of districts supplied with sufficient number of autodisable (AD) syringes for all routine immunizations  Immunization schedule  BCG birth OPV 6, 10, 14 weeks  Measles 9 months  TT CBAW and pregnant women and 1st contact; +1, +1 month; +1, +1 year					at 809	% or above	69%	16%
have achieved a rate of less than 10%  Supply: any vaccine supply interruption?  Safety: proportion of districts supplied with sufficient number of autodisable (AD) syringes for all routine immunizations  Immunization schedule  BCG birth OPV 6, 10, 14 weeks  Measles 9 months  TT CBAW and pregnant women and 1st contact; +1, +1 month; +1, +1 year	MCV: pr	oportion of dist	ricts with c	overage	at 90% o	r above	13%	4%
Safety: proportion of districts supplied with sufficient number of autodisable (AD) syringes for all routine immunizations  Immunization schedule  BCG birth OPV 6, 10, 14 weeks  Measles 9 months Vitamin A 6-59 months children and post-partum women and 1st contact; +1, +1 month; +1, +1 year					stricts tha	at	76%	69%
of autodisable (AD) syringes for all routine immunizations  100% 100%  Immunization schedule  BCG birth OPV 6, 10, 14 weeks  Measles 9 months  TT CBAW and pregnant women and 1st contact; +1, +1 month; +1, +1 year  100% 100%  OPV 6, 10, 14 weeks  Vitamin A 6-59 months children and post-partum women (within 8 weeks of delivery)	Supply:	any vaccine sup	ply interrup	tion?			No	No
BCG birth OPV 6, 10, 14 weeks  Measles 9 months  TT CBAW and pregnant women and 1st contact; +1, +1 month; +1, +1 year  OPV 6, 10, 14 weeks  Vitamin A 6-59 months children and post-partum women (within 8 weeks of delivery)							100%	100%
Measles 9 months  TT CBAW and pregnant women and 1st contact; +1, +1 month; +1, +1 year  Vitamin A 6-59 months children and post-partum women (within 8 weeks of delivery)	lmmu	nization sc	hedule					
TT CBAW and pregnant women (within 8 women and 1st contact; weeks of delivery) +1, +1 month; +1, +1 year	BCG		birth	n   C	)PV	6	5, 10, 14 ·	weeks
TT CBAW and pregnant women (within 8 women and 1st contact; +1, +1 month; +1, +1 year	Measles		9 months	, V	/itamin A	4 6-59 m	onths ch	ildren
+1, +1 month; +1, +1 year		CBAW an	ıd pregnan	t		wo	men (w	ithin 8
				r				•
DTwP 6, 10, 14 weeks DTwPHep 6, 10, 14 weeks (subnational)	DTwP	6, 1	0, 14 weeks	5   [	TwPHep	o 6		

## Cameroon

#### 2004

Births	562,000
Surviving infants	509,000
Total population	16,038,000
Infant mortality rate (per 1,000 live births)	87
Under-five mortality rate (per 1,000 live births)	149
Gross national income per capita (US\$)	800
Percentage of routine Expanded Programme on Immunization vaccines financed by government	65

#### National coverage rates (WHO/UNICEF estimates, 2004)

	2004	2003	2002	2001	2000	1990	1980
BCG	83%	82%	77%	77%	77%	76%	
DTP1	80%	79%	71%	66%	62%	70%	
DTP3	73%	73%	63%	58%	53%	48%	
HepB3							
MCV	64%	61%	53%	47%	49%	56%	
Pol3	72%	72%	63%	56%	49%	54%	
Hib3							
TT2+ (protected at birth)	60%	62%	63%	64%	65%		

#### District coverage (as reported)

		2004	2003
Number of districts in country		159	144
Percentage of districts reporting		100%	100%
	below 50%	6%	7%
DTP3: proportion of districts with coverage	between 50-79%	68%	63%
	at 80% or above	26%	31%
MCV: proportion of districts with coverage a	6%	4%	
DTP1–DTP3 drop-out rate: proportion of dist have achieved a rate of less than 10%	64%	65%	
Supply: any vaccine supply interruption?		No	No
Safety: proportion of districts supplied with of autodisable (AD) syringes for all routine in		100%	100%

BCG	birth	DTwP	6, 10, 14 weeks	
Measles	9 months	OPV	birth; 6, 10, 14 weeks	
TT	CBAW and pregnant women; +1; +6 months; +1, +2 years	Vitamin A	6, 12 months; post-partum	
Yellow Fev	er 9 months			

Births					3 31,9	28,000 27,000 58,000 5 6 28,390	
National c	overage	rates	(WHO/L	JNICE	estimates	, 2004)	
	2004	2003	2002	2001	2000	1990	1980
BCG							
DTP1	97%	97%	97%	97%	97%	96%	
DTP3	91%	91%	91%	91%	91%	88%	
HepB3							
MCV	95%	95%	95%	95%	95%	89%	
Pol3	88%	88%	88%	88%	88%	88%	
Hib3	83%	83%	84%	85%	86%		
TT2+							
(protected at birth)							
District co	verage (	as repo	rted)				
						2004	2003
Number of dis	tricts in cou	ntry					
Percentage of districts reporting							
				belo	w 50%		
DTP3: proport	ion of distric	cts with o	coverage	betw	een 50-79%		
				at 80	% or above		
MCV/				L 000/			
MCV: proportion			•			•••	•••
DTP1–DTP3 dr have achieved				iricis ti	idi		
Supply ony vo	anina aunnh	intorrun	stion?				
Supply: any va Safety: propor		-		cufficia	ant number		
of autodisable	(AD) syring	es for al	l routine i	mmun	izations		
Impouniza	tion ook	مابيام					
Immuniza	tion sche	eaule					
DTaP		months 4-6 years		ерВ	9-13 years some provin	ices 3 do	ses in
Hib	2, 4, 6, 18	3 months	6		infancy, b	irth-15 m	onths
MenC_conj		months		V	:	2, 4, 6 m 4-6	onths; years
Pneumo_conj		2, 4, 6 5 months	, N	IMR	12,	18 mont 4-6	ths; or years
Varicella	12 months	-12 years	<sub>s</sub> T	d	14-16	years; oı	TdaP

# **Cape Verde**

#### 2004

Births	15,000
Surviving infants	15,000
Total population	495,000
Infant mortality rate (per 1,000 live births)	27
Under-five mortality rate (per 1,000 live births)	36
Gross national income per capita (US\$)	1,770
Percentage of routine Expanded Programme on Immunization vaccines financed by government	80

#### National coverage rates (WHO/UNICEF estimates, 2004)

	2004	2003	2002	2001	2000	1990	1980
BCG	79%	78%	92%	84%	92%	97%	
DTP1	78%	89%	96%	79%	93%	96%	
DTP3	75%	78%	94%	78%	86%	88%	
HepB3	68%	54%	40%				
MCV	69%	68%	85%	72%	80%	79%	
Pol3	76%	79%	94%	77%	86%	87%	
Hib3							
TT2+ (protected at birth)							

#### District coverage (as reported)

		2004	2003
Number of districts in country		17	17
Percentage of districts reporting		100%	100%
	below 50%	12%	6%
DTP3: proportion of districts with coverage	between 50-79%	53%	41%
	at 80% or above	35%	53%
MCV: proportion of districts with coverage a	12%	18%	
DTP1–DTP3 drop-out rate: proportion of dist have achieved a rate of less than 10%	88%	88%	
Supply: any vaccine supply interruption?		No	No
Safety: proportion of districts supplied with of autodisable (AD) syringes for all routine in			

BCG	birth	DTwP	6, 10, 14 weeks; 15.5 months
HepB	birth; 6, 14 weeks		15.5 1110111118
OPV	birth; 6, 10,	Measles	9 months
<b>.</b>	14 weeks; 15.5 months	тт	1st contact pregnancy; +1, +6 months; +1, +1 year

# Central African Republic

Births					1. 1:	004 49,000 34,000 86,000 115 193 310	
National co	verage	rates	(WHO/l	JNICEF	estimates	, 2004)	
BCG DTP1 DTP3 HepB3 MCV Pol3 Hib3 TT2+ (protected at birth)	2004 70% 65% 40%  35% 40% 	2003 70% 65% 40%  35% 40% 	2002 70% 65% 40%  35% 40%  52%	2001 70% 65% 40%  35% 40% 	2000 64% 62% 37%  36% 38%  61%	1990 93% 95% 82%  83% 82%	1980 17% 35% 13%  12% 13% 
District cov	erage	ac ropo	rtod)				
Number of districts in country  Percentage of districts reporting  DTP3: proportion of districts with coverage  below 50% between 50-79% at 80% or above DTP1-DTP3 drop-out rate: proportion of districts that have achieved a rate of less than 10%  Supply: any vaccine supply interruption?  Yes Safety: proportion of districts supplied with sufficient number					24 100% 50%	2003 24 100% 71% 21% 8% 4% No	
Immunizati	on sch	edule					
BCG Measles		birth 9 months		)TwP )PV		6, 10, 14 v birth; 6, 1	
ТТ	pregnant women; +1; +6 months; Yellow Fever					weeks onths	

+1, +1 year

# Chad

#### 2004

Births	456,000
Surviving infants	403,000
Total population	9,448,000
Infant mortality rate (per 1,000 live births)	117
Under-five mortality rate (per 1,000 live births)	200
Gross national income per capita (US\$)	260
Percentage of routine Expanded Programme on Immunization vaccines financed by government	42

#### National coverage rates (WHO/UNICEF estimates, 2004)

	2004	2003	2002	2001	2000	1990	1980
BCG	38%	72%	67%	44%	50%	59%	
DTP1	68%	74%	68%	44%	45%	44%	
DTP3	50%	47%	40%	27%	28%	20%	
HepB3							
MCV	56%	61%	55%	36%	42%	32%	
Pol3	47%	48%	40%	24%	29%	20%	
Hib3							
TT2+ (protected at birth)	40%	43%	41%	40%	39%		

### District coverage (as reported)

		2004	2003
Number of districts in country		55	55
Percentage of districts reporting		96%	95%
	below 50%	55%	56%
DTP3: proportion of districts with coverage	between 50-79%	31%	29%
	at 80% or above	11%	9%
MCV: proportion of districts with coverage a	4%	11%	
DTP1–DTP3 drop-out rate: proportion of dist have achieved a rate of less than 10%	9%	0%	
Supply: any vaccine supply interruption?		Yes	No
Safety: proportion of districts supplied with of autodisable (AD) syringes for all routine in			

BCG	birth	DTwP	6, 10, 14 weeks
Measles	9 months	OPV	birth; 6, 10, 14 weeks
TT	1st contact pregnancy; +1, +6 months;	Yellow Fever	9 months

						2	004
Births						2	49,000
Surviving infan	Surviving infants						47,000
Total population	n					16,1	24,000
Infant mortality	rate (per 1	,000 live	births)				8
Under-five mor	tality rate (	per 1,000	live birt	hs)			8
Gross national	income per	capita (	US\$)				4,910
Percentage of re Immunization v							100
National co	overage	rates	(WHO/L	JNICEF	estimates	, 2004)	
	2004	2003	2002	2001	2000	1990	1980
BCG	96%	95%	94%	99%	97%	94%	88%
DTP1	94%	99%	99%	99%	98%	99%	95%
DTP3	94%	96%	99%	99%	97%	99%	85%
HepB3							
MCV	95%	99%	99%	99%	97%	82%	99%
Pol3	94%	96%	99%	99%	98%	97%	77%
Hib3	94%	94%	94%	99%	97%		
TT2+ (protected at birth)							
District cov	verage (a	as repoi	rted)				
Number of dist						2004	2003
Number of dist		•				341	•••
Percentage of d	listricts rep	orting		г		100%	
				below		1%	1%
DTP3: proportion	on of distric	ts with o	coverage	betwe	en 50-79%	9%	6%
				at 80%	% or above	89%	92%
MCV: proportio	n of district	s with c	overage a	at 90% o	r above	70%	50%
DTP1-DTP3 dro				tricts tha	nt		
have achieved a	a rate of les	ss than 1	0%			100%	•••
Supply: any vac	cine supply	interrup	tion?				
Safety: proporti							
of autodisable (	(AD) syring	es for all	l routine i	mmuniz	ations	•••	100%
Immunizati	ion sche	edule					
BCG		birth	ı D	Т		7	years
DTP	18 months	; 4 years	, D	TwPHib		2, 4, 6 m	onths
Influenza	>65 years; groups, i women ar	pregnant	t i	IMR		1, 6	years
OPV	2, 4, 6, 18	months;					

# China

#### 2004

Births	17,372,000
Surviving infants	16,793,000
Total population	1,307,989,000
Infant mortality rate (per 1,000 live births)	26
Under-five mortality rate (per 1,000 live births)	31
Gross national income per capita (US\$)	1,290
Percentage of routine Expanded Programme on Immunization vaccines financed by government	100

#### National coverage rates (WHO/UNICEF estimates, 2004)

	2004	2003	2002	2001	2000	1990	1980
BCG	94%	93%	92%	93%	93%	99%	
DTP1	97%	96%	96%	96%	96%	98%	
DTP3	91%	90%	90%	90%	89%	97%	
HepB3	72%	70%	69%	65%	60%		
MCV	84%	84%	84%	84%	84%	98%	
Pol3	92%	91%	91%	91%	91%	98%	
Hib3							
TT2+ (protected at birth)							

#### District coverage (as reported)

		2004	2003
Number of districts in country			2,863
Percentage of districts reporting			100%
	below 50%		1%
DTP3: proportion of districts with coverage	between 50-79%		1%
	at 80% or above		98%
MCV: proportion of districts with coverage a		95%	
DTP1–DTP3 drop-out rate: proportion of dist have achieved a rate of less than 10%	82%	92%	
Supply: any vaccine supply interruption?	No	No	
Safety: proportion of districts supplied with a of autodisable (AD) syringes for all routine in			

BCG	birth	DTwP	3, 4, 5, 18-24 months
НерВ	birth; 1, 6 months	Measles	8 months; 7 years
MenAC	>2 years	OPV	2, 3, 4 months; 4 years
		JE	8, 18-24 months; 6 years (subnational)

						2	004
Births						970,000	
Surviving infants					94	47,000	
Total popula	ation					44,9	15,000
Infant morta	Infant mortality rate (per 1,000 live births)						18
	mortality rate (						21
	Gross national income per capita (US\$)						2,000
Percentage Immunizatio	of routine Expa on vaccines fina	anded Pro anced by (	gramme governm	on ent			100
National	coverage	rates (	WHO/U	NICEF e	stimates	, 2004)	
	2004		2002	2001	2000	1990	1980
BCG	92%		85%	87%	86%	95%	45%
DTP1	95%		95%	93%	92%	96%	39%
DTP3	89%		85%	80%	74%	88%	16%
HepB3	89%		76%	80%	74%	•••	
MCV	92%		89%	90%	75%	82%	13%
Pol3	89%		81%	83%	78%	93%	16%
Hib3	89%	93%	65%	55%	61%		
TT2+ (protected at birt	:h)						
District of	coverage (a	as report	ed)				
						2004	2003
Number of	districts in cou	ntry				1,119	1,115
Percentage	of districts rep	orting				99%	100%
				below 5	50%	10%	12%
DTP3: propo	ortion of distric	ts with co	verage	betwee	n 50-79%	33%	31%
				at 80%	or above	57%	58%
MCV: propo	rtion of district	s with co	verage a	t 90% or a	above	43%	37%
	drop-out rate:			ricts that			
have achiev	ed a rate of les	s than 10	%				78%
Supply: any	vaccine supply	interrupti	on?			Yes	No
	oortion of distri ole (AD) syring						
Immuniz	zation sche	dule					
BCG		birth	DI	ΓwΡ	18 m	onths; 5	years
DTwPHibHe	p 2, 4, 6	months	Не	ерВ			birth
MMR	1	, 5 years	OF	Pγ	40	birth; 2	
Td		egnancy; months; , +1 year	Ye	llow Feve		onths; 5 1, 10	years

## **Comoros**

#### 2004

Births	28,000
Surviving infants	26,000
Total population	777,000
Infant mortality rate (per 1,000 live births)	52
Under-five mortality rate (per 1,000 live births)	70
Gross national income per capita (US\$)	530
Percentage of routine Expanded Programme on Immunization vaccines financed by government	0

#### National coverage rates (WHO/UNICEF estimates, 2004)

	2004	2003	2002	2001	2000	1990	1980
BCG	79%	75%	90%	90%	90%	99%	
DTP1	85%	77%	98%	85%	85%	97%	
DTP3	76%	75%	89%	70%	70%	94%	
HepB3	77%	27%					
MCV	73%	63%	71%	70%	70%	87%	
Pol3	73%	75%	98%	70%	70%	94%	
Hib3							
TT2+ (protected at birth)	46%	46%	46%	46%	46%		

#### District coverage (as reported)

		2004	2003
Number of districts in country		17	17
Percentage of districts reporting		100%	100%
	below 50%	12%	24%
DTP3: proportion of districts with coverage	between 50-79%	35%	53%
	at 80% or above	53%	24%
MCV: proportion of districts with coverage a	35%	12%	
DTP1-DTP3 drop-out rate: proportion of dist have achieved a rate of less than 10%	65%	59%	
Supply: any vaccine supply interruption?	Yes	No	
Safety: proportion of districts supplied with of autodisable (AD) syringes for all routine in		100%	

BCG	birth	DTwP	6, 10, 14 weeks
НерВ	6, 10, 14 weeks	Measles	9 months
OPV	birth; 6, 10, 14 weeks	TT	1st contact pregnancy; +1, +6 months;
Vitamin A	6, 12, 18, 24, 30, 36 months		+1, +1 year

							2	004
Births								72,000
Surviving infar	nts							59,000
Total populatio	n						3,8	83,000
Infant mortality	rate (per	1,000 live	e birt	ns)				81
Under-five mo	rtality rate	(per 1,00	0 live	birth	ıs)			108
Gross national	income pe	r capita	(US\$					770
Percentage of Immunization v								73
National c	overage	rates	(W	HO/U	NICEF	estimates	, 2004)	
	2004	2003	200	)2	2001	2000	1990	1980
BCG	85%	60%	519	%	53%	50%	90%	92%
DTP1	67%	61%	49	%	42%	58%	92%	67%
DTP3	67%	50%	41	%	31%	33%	79%	42%
HepB3								
MCV	65%	50%	379	%	35%	34%	75%	49%
Pol3	67%	50%	419	%	32%	33%	80%	42%
Hib3								
TT2+ (protected at birth)	65%	63%	55	%	47%	39%		
District co	verage (	as repo	rted	)				
							2004	2003
Number of dist	tricts in cou	ıntry					27	62
Percentage of	districts rep	oorting					100%	100%
					belov	v 50%	33%	64%
DTP3: proporti	on of distri	cts with	cove	age	betwe	een 50-79%	44%	22%
					at 809	% or above	22%	15%
MCV: proportion	on of distric	te with a	over	ane a	່ t 90% ດ	ır ahove	0%	15%
DTP1-DTP3 dro				•			070	1370
have achieved				i dioc	11010 1111		33%	
Supply: any va	ccine suppl	y interru <sub>l</sub>	ption	,			Yes	No
Safety: proport of autodisable							100%	100%
			11 100	tirio ii	THI TOTAL	utions	10070	10070
Immunizat	ion sch	edule						
BCG		birt	h	D	ΓwΡ	2, 3	, 4, 16 m	onths
Measles		9 month	s	OI	PV		birth; 2 16 m	2, 3, 4, onths
TT 1s		regnancy 3 months , +2 year	3;	Vi	tamin A	<b>A</b>	9 m	onths
Yellow Fever		9 mont	h					

# Congo, Dem. Rep. of

2004							
Births						. 2,	788,000
Surviving in	fants					. 2,	462,000
Total popula	tion					. 55,	853,000
Infant morta	lity rate (per	1,000 live	births).				129
Under-five n	nortality rate (	(per 1,00	0 live bir	ths)			205
Gross nation	nal income pe	r capita (	(US\$)				120
Percentage of routine Expanded Programme on Immunization vaccines financed by government						17	
National	coverage	rates	(WHO/	UNICEF	estimate	es, 2004	)
National	coverage 2004	rates 2003	(WHO/	UNICEF 2001	estimate 2000	es, 2004 1990	1980
National BCG							
	2004	2003	2002	2001	2000	1990	1980
BCG	2004 78%	2003 68%	2002 55%	2001 45%	2000 57%	1990 65%	1980 57%
BCG DTP1	2004 78% 76%	2003 68% 61%	2002 55% 53%	2001 45% 32%	2000 57% 49%	1990 65% 60%	1980 57% 
BCG DTP1 DTP3	2004 78% 76% 64%	2003 68% 61% 49%	2002 55% 53% 43%	2001 45% 32% 32%	2000 57% 49% 40%	1990 65% 60% 35%	1980 57% 
BCG DTP1 DTP3 HepB3	2004 78% 76% 64%	2003 68% 61% 49%	2002 55% 53% 43%	2001 45% 32% 32%	2000 57% 49% 40%	1990 65% 60% 35%	1980 57% 

#### District coverage (as reported)

58%

TT2+ (protected at birth)

		2004	2003
Number of districts in country		437	360
Percentage of districts reporting			100%
	below 50%	26%	47%
DTP3: proportion of districts with coverage	between 50-79%	27%	39%
	at 80% or above	31%	15%
MCV: proportion of districts with coverage a	t 90% or above	13%	7%
DTP1-DTP3 drop-out rate: proportion of dist have achieved a rate of less than 10%	45%	25%	
Supply: any vaccine supply interruption?		Yes	Yes
Safety: proportion of districts supplied with of autodisable (AD) syringes for all routine in	100%	100%	

44%

50%

50%

BCG	birth	DTwP	6, 10, 14 weeks
Measles	9 months	OPV	birth; 6, 10, 14 weeks
TT	1st contact pregnancy; +1, +6 months; +1, +1 year	Vitamin A	6, 18, 24, 30, 36, 42 months
Yellow Feve	er 9 months		

						2	004
Births							
Surviving infar							
Total population							18,000 18
Under-five mo							21
Gross national	•	•					
Percentage of Immunization							11
National c	overage	rates	(WHO/L	JNICEF	estimates	, 2004)	
	2004	2003	2002	2001	2000	1990	1980
BCG	99%	99%	95%	99%	99%	99%	29%
DTP1	99%	96%	99%	97%	98%	97%	65%
DTP3	99%	96%	99%	92%	97%	93%	40%
HepB3	99%	93%	99%	92%	97%	71%	
MCV	99%	99%	98%	84%	76%	67%	
Pol3	99%	95%	99%	92%	94%	83%	39%
Hib3		•••	•••		•••		•••
TT2+ (protected at birth)	•••	•••			•••		•••
District co	verage (	as repoi	rted)				
Number of dis	tricts in cou	ıntrv				2004 41	2003 41
Percentage of		•				100%	100%
r orountago or	aloti loto l'op	orting		belov	, 50%	0%	0%
DTP3: proporti	on of distri	cte with c	overage	' '	een 50-79%	0%	0%
B ii o. proporti	on or diotin	oto with o	ovorago		% or above	100%	100%
MCV/ proportion	on of diatria	to with o	overede d	L		100%	100%
MCV: proportion DTP1-DTP3 dr			•			100%	100%
have achieved				incis in		100%	100%
Supply: any va	ccine supply	y interrup	tion?			Yes	No
Safety: propor of autodisable						100%	100%
Immunizat	tion sch	edule					
BCG		birth	ı   D	Т		5	years
DTwP	3. 6.	9 months	; H	ерВ	birt	h; 1, 6 m	onths
Measles		2 months		PV		3, 6, 9 m	
				ı V		J, U, J III	OHUIS
TT	10,	15 years	;				

## **Costa Rica**

#### 2004

Births	79,000
Surviving infants	78,000
Total population	4,253,000
Infant mortality rate (per 1,000 live births)	11
Under-five mortality rate (per 1,000 live births)	13
Gross national income per capita (US\$)	4,670
Percentage of routine Expanded Programme on Immunization vaccines financed by government	100

#### National coverage rates (WHO/UNICEF estimates, 2004)

	2004	2003	2002	2001	2000	1990	1980
BCG	90%	87%	91%	87%	92%	92%	80%
DTP1	89%	89%	97%	91%	90%	98%	95%
DTP3	90%	88%	94%	91%	88%	95%	86%
HepB3	89%	86%	94%	80%	89%		
MCV	88%	89%	94%	82%	82%	90%	60%
Pol3	90%	88%	94%	92%	80%	95%	86%
Hib3	90%	87%	93%	89%	92%		
TT2+ (protected at birth)							

#### District coverage (as reported)

Number of districts in country		2004 81	2003 81
Percentage of districts reporting		100%	100%
	below 50%	0%	0%
DTP3: proportion of districts with coverage	between 50-79%	10%	14%
	at 80% or above	90%	86%
MCV: proportion of districts with coverage a	t 90% or above	63%	69%
DTP1–DTP3 drop-out rate: proportion of dist have achieved a rate of less than 10%	0%	96%	
Supply: any vaccine supply interruption?		No	No
Safety: proportion of districts supplied with of autodisable (AD) syringes for all routine in	100%	100%	

BCG	birth	DT	10 years
DTwP	4, 15 months;	DTwPHibHep	2, 6 months
НерВ	4 years birth; 2, 6 months	Hib	4, 15 months
Influenza	4, 65 years	MMR	15 months; 7 years
	and more	Td	10 years; every
OPV	2, 4, 6 months;		10 years

						2	004
Births						66	61,000
Surviving infar	nts					58	34,000
Total population	n					17,87	72,000
Infant mortality	y rate (per 1	1,000 live	births)				117
Under-five mo	rtality rate (	per 1,000	0 live birth	าร)			194
Gross national	income pe	r capita (	US\$)				770
Percentage of Immunization							58
National c	overage	rates	(WHO/U	INICEF	estimates	, 2004)	
	2004	2003	2002	2001	2000	1990	1980
BCG	51%	66%	66%	72%	84%	62%	
DTP1	63%	72%	72%	80%	87%	77%	
DTP3	50%	54%	54%	57%	72%	54%	
HepB3	50%	48%	48%	10%	•••		
MCV	49%	56%	56%	61%	73%	56%	
Pol3	50%	54%	54%	57%	72%	56%	
Hib3					•••		
TT2+ (protected at birth)	75%	77%	78%	80%	79%	•••	
District co	verage (	as repo	rted)				
						2004	2003
Number of dis		•				66	65
Percentage of	districts rep	orting		_		100%	91%
				below	50%	45%	32%
DTP3: proporti	on of distri	cts with o	coverage	betwe	en 50-79%	48%	42%
				at 80%	6 or above	6%	17%
MCV: proportion	on of distric	ts with c	overage a	ıt 90% o	r above	0%	2%
DTP1–DTP3 drop-out rate: proportion of districts that have achieved a rate of less than 10%					18%	14%	
Supply: any va	ccine supply	y interrup	otion?			Yes	No
Safety: proport of autodisable						100%	91%
Immunizat	ion sch	edule					

#### IIIIIIuiiizatioii schedule

BCG	birth	DTwPHep	6, 10, 14 weeks
Measles	9 months	OPV	6, 10, 14 weeks
TT	pregnant women and 1st contact pregnancy; +1 month; +1, +1, +1 year	Yellow Fever	9 months

## Croatia

#### 2004

Births	41,000
Surviving infants	41,000
Total population	4,540,000
Infant mortality rate (per 1,000 live births)	6
Under-five mortality rate (per 1,000 live births)	7
Gross national income per capita (US\$)	6,590
Percentage of routine Expanded Programme on Immunization vaccines financed by government	100

#### National coverage rates (WHO/UNICEF estimates, 2004)

	2004	2003	2002	2001	2000	1990	1980
BCG	98%	98%	99%	97%	99%		
DTP1	96%	97%	99%	94%	97%		
DTP3	96%	94%	95%	94%	93%		
HepB3							
MCV	96%	95%	95%	94%	93%		
Pol3	98%	95%	95%	94%	94%		
Hib3	93%	95%	77%				
TT2+ (protected at birth)							

#### District coverage (as reported)

		2004	2003		
Number of districts in country		113	113		
Percentage of districts reporting		100%	100%		
	below 50%	0%	0%		
DTP3: proportion of districts with coverage	between 50-79%	0%	0%		
	at 80% or above	100%	100%		
MCV: proportion of districts with coverage a	100%	99%			
DTP1–DTP3 drop-out rate: proportion of dist have achieved a rate of less than 10%	DTP1–DTP3 drop-out rate: proportion of districts that				
Supply: any vaccine supply interruption?		Yes	No		
Safety: proportion of districts supplied with of autodisable (AD) syringes for all routine in			0%		

BCG	5 days	DTaP	12, 18, 24 weeks; 1, 3 years
НерВ	12 years (3 doses)	Hib	8, 18, 24 weeks;
IPV	12 weeks		1 year
OPV	18, 24 weeks; 1, 6,	MMR	1, 6, 10 years
	13 years	Td	7, 14, 19 years
TT	60 years (3 doses)		

						2	004
Births						1:	36,000
Surviving infar	nts					1:	35,000
Total population	n					11,2	45,000
	Infant mortality rate (per 1,000 live births)						
Under-five mo							7
Gross national	-	-					1,170
Percentage of Immunization							99
National c	overage	rates	(WHO/U	NICEF	estimates	, 2004)	
	2004	2003	2002	2001	2000	1990	1980
BCG	99%	99%	99%	99%	99%	98%	99%
DTP1	89%	90%	99%	99%	98%	97%	86%
DTP3	88%	71%	99%	99%	95%	92%	67%
НерВ3	99%	99%	98%	99%	98%		
MCV	99%	99%	98%	99%	94%	94%	48%
Pol3	98%	98%	98%	99%	99%	94%	99%
Hib3	99%	99%	78%	99%	78%		
TT2+ (protected at birth)							
District co	verage (a	as repor	ted)				
						2004	2003
Number of dis	tricts in cou	ntry				169	169
Percentage of	districts rep	orting				100%	100%
				below	50%	3%	17%
DTP3: proporti	on of distric	ts with c	overage	betwee	en 50-79%	20%	41%
				at 80%	or above	78%	42%
MCV: proportion	on of district	s with co	overage a	t 90% or	above	96%	93%
DTP1-DTP3 dr				ricts that	t		
have achieved	a rate of les	ss than 1	0%			•••	100%
Supply: any va	ccine supply	interrup	tion?			Yes	No
Safety: propor of autodisable							
Immunizat	, ,						
IIIIIIIIIIIIII	LIOH SCHE	dule					
BCG		birth	Dī	Γ		6	years
DTwP	2, 4, 6, 15	months	He	ерВ	birt	h; 1, 6 m	onths
Hib	2, 4, 6, 15	months	М	MR		1, 6	years
OPV	<1, 1, 2	, 9 years	TT	-		15	years
			Tv.	phoid	1	0, 13, 16	vears
			''	F		., .,, .0	,

## **Cyprus**

#### 2004

Births	10,000
Surviving infants	10,000
Total population	826,000
Infant mortality rate (per 1,000 live births)	5
Under-five mortality rate (per 1,000 live births)	5
Gross national income per capita (US\$)	17,580
Percentage of routine Expanded Programme on Immunization vaccines financed by government	25

#### National coverage rates (WHO/UNICEF estimates, 2004)

	2004	2003	2002	2001	2000	1990	1980
BCG							
DTP1	99%	99%	99%	99%	98%	97%	59%
DTP3	98%	98%	98%	97%	97%	93%	34%
HepB3	88%	88%	89%	89%	89%		
MCV	86%	86%	86%	86%	86%	77%	29%
Pol3	98%	98%	98%	97%	97%	94%	35%
Hib3	58%	58%	32%	32%	32%		
TT2+ (protected at birth)							

#### District coverage (as reported)

		2004	2003
Number of districts in country		6	5
Percentage of districts reporting		83%	100%
	below 50%	0%	0%
DTP3: proportion of districts with coverage	between 50-79%	0%	0%
	at 80% or above	83%	100%
MCV: proportion of districts with coverage a	t 90% or above		
DTP1–DTP3 drop-out rate: proportion of dist have achieved a rate of less than 10%	ricts that	100%	100%
Supply: any vaccine supply interruption?		No	No
Safety: proportion of districts supplied with of autodisable (AD) syringes for all routine in			

BCG	given only to children	DTwP	2, 4, 6, 15-20 months; 4-6 years
	when there is continuous contact with a	Hib	2, 4, 6, 12-18 months
	contagious form of TB	IPV	2, 4 months; only the
HepB	2, 4, 8-12 months; given		first 2 doses
	also to high-risk groups	OPV	6, 15-20 months
Influenza	≥6 months; given to high-risk groups and	Td	7, 14-16, 24-26 years
	adults over 65 years	Yellow	Fever given only to travellers
MMR	13 months; 4-6 years		in high-risk areas

# **Czech Republic**

Surviving infants 90,00  Total population 10,229,00  Infant mortality rate (per 1,000 live births) Under-five mortality rate (per 1,000 live births)							91,000 90,000
Nation	al coverag	e rates (V	VHO/U	NICEF	estimates	s, 2004)	
BCG DTP1	2004 99% 98%	98% 9	2002 97% 98%	2001 98% 98%	2000 98% 98%	1990	1980
DTP3	98%	97% 9	98%	98%	98%		
HepB3	98%	92% 8	36%				
MCV	97%	99% 9	99%	98%	98%		
Pol3	96%	97% 9	97%	97%	98%		
Hib3	98%	97% 9	95%				
TT2+ (protected at	birth)						
District	coverage	(as reporte	ed)				
	of districts in co	•				2004 14 100%	2003 14 100%
		, , ,		below	50%	0%	0%
DTP3: pro	portion of distr	icts with cov	/erage		en 50-79%	0%	0%
	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,				6 or above	100%	100%
MCV: pro	portion of distri	cts with cov	erage at	t 90% o	r above	100%	100%
	P3 drop-out rate eved a rate of I			ricts tha	t	100%	
Supply: ar	ny vaccine supp	ly interruptio	n?			No	No
	oportion of distable (AD) syrin						
lmmur	ization sch	edule					
BCG	4 days	s; 11 years	DT	Г		9 weeks	s; 3, 4, onths
DTaP		5 years	דח	TaPHib			
НерВ	3,	9 weeks; 9 months					onths
OPV	1 year (2 dose (2 doses	s); 2 years ); 13 years	IVII	MR		15, 21 m	ontns

## **Denmark**

#### 2004

Births	63,000
Surviving infants	63,000
Total population	5,414,000
Infant mortality rate (per 1,000 live births)	4
Under-five mortality rate (per 1,000 live births)	5
Gross national income per capita (US\$)	40,650
Percentage of routine Expanded Programme on Immunization vaccines financed by government	-

#### National coverage rates (WHO/UNICEF estimates, 2004)

	2004	2003	2002	2001	2000	1990	1980
BCG							
DTP1	95%	98%	98%	98%	98%	98%	95%
DTP3	95%	96%	98%	97%	97%	95%	85%
HepB3							
MCV	96%	96%	99%	94%	99%	84%	
Pol3	95%	96%	98%	97%	97%	97%	97%
Hib3	95%	96%	86%	95%	94%		
TT2+ (protected at birth)							

#### District coverage (as reported)

		2004	2003
Number of districts in country	16	16	
Percentage of districts reporting		100%	100%
	below 50%	0%	0%
DTP3: proportion of districts with coverage	between 50-79%	0%	0%
	at 80% or above	100%	100%
MCV: proportion of districts with coverage a	94%	94%	
DTP1–DTP3 drop-out rate: proportion of dist have achieved a rate of less than 10%	100%	0%	
Supply: any vaccine supply interruption?			
Safety: proportion of districts supplied with of autodisable (AD) syringes for all routine in			

DTaPHibIPV	3, 5, 12 months	DTaPIPV	5 years
MMR	15 months; 12 years	Rubella	>18 years;
			non-immune women

BirthsSurviving infant Total populatior Infant mortality Under-five mort Gross national if Percentage of re	rate (per 1 cality rate ( ncome per putine Exprancines fina	,000 live per 1,000 capita ( anded Pi anced by	births) Us\$)rogramm	hs) e on nent		: :7	004 27,000 25,000 79,000 101 126 1,030
National co	verage	rates	(WHO/L	JNICEF	estimates	, 2004)	
	2004	2003	2002	2001	2000	1990	1980
BCG	78%	63%	52%	38%	34%	81%	•••
DTP1	81%	76%	72%	65%	66%	95%	•••
DTP3	64%	68%	62%	53%	46%	85%	•••
HepB3							
MCV	60%	66%	62%	49%	50%	85%	
Pol3	64%	68%	62%	49%	46%	85%	
Hib3							
TT2+ (protected at birth)					•••		
District cov	erage (a	as repo	rted)				
		<u> </u>				2004	2003
Number of districts in country					6	5	
Percentage of districts reporting					100%	100%	
					0%	0%	
DTP3: proportion of districts with coverage between 50-79%					100%	100%	
DTP3: proportio	n or aistric	is with t	coverage		en 50-79%		
at 80% or above					0%	0%	
MCV: proportion of districts with coverage at 90% or above					0%	0%	
DTP1–DTP3 drop-out rate: proportion of districts that have achieved a rate of less than 10%					0%	20%	
Supply: any vac	cine supply	interrun	tion?			No	No
Safety: proportion of districts supplied with sufficient number of autodisable (AD) syringes for all routine immunizations					100%	100%	
Immunizati	on sche	edule					
BCG birth DTaP 6				i, 10, 14 v	weeks		
Measles 9 months OPV			hirth	6, 10,			
mousies c menuie					weeks		
TT Vitamin A 9, +1				15, +21 months			

# Dominica

#### 2004

Births	2,000
Surviving infants	
Total population	79,000
Infant mortality rate (per 1,000 live births)	13
Under-five mortality rate (per 1,000 live births)	14
Gross national income per capita (US\$)	3,650
Percentage of routine Expanded Programme on Immunization vaccines financed by government	70

#### National coverage rates (WHO/UNICEF estimates, 2004)

	2004	2003	2002	2001	2000	1990	1980
BCG	99%	99%	99%	99%	99%	99%	65%
DTP1	99%	98%	99%	99%	98%	97%	84%
DTP3	99%	99%	98%	99%	99%	92%	63%
HepB3	•••						
MCV	99%	99%	98%	99%	99%	88%	
Pol3	99%	99%	98%	99%	99%	94%	53%
Hib3	•••						
TT2+ (protected at birth)							

#### District coverage (as reported)

		2004	2003	
Number of districts in country				
Percentage of districts reporting				
	below 50%			
DTP3: proportion of districts with coverage	between 50-79%			
	at 80% or above			
MCV: proportion of districts with coverage a				
DTP1-DTP3 drop-out rate: proportion of districts that				
have achieved a rate of less than 10%				
Supply: any vaccine supply interruption?				
Safety: proportion of districts supplied with				
of autodisable (AD) syringes for all routine immunizations				

BCG	3 months	DT	3 years
DTwP	3, +4 +6 months	IPV	3, 4.5, +6 months; babies who are
MMR	1 year; 18 months		HIV-positive
Td	11 years	OPV	3, 4.5, +6 months

# **Dominican Republic**

						2	004
Births						2	11,000
Surviving infa	nts					20	04,000
Total population	on					8,7	68,000
Infant mortalit	y rate (per 1	,000 live	births)				27
Under-five mo	rtality rate (	oer 1,000	live birth	าร)			32
Gross nationa	l income per	capita (	US\$)				2,080
Percentage of							60
Immunization	vaccines ini	anced by	governin	ieiit			60
National o	overage	rates	(WHO/U	INICEF	estimates	, 2004)	
	2004	2003	2002	2001	2000	1990	1980
BCG	97%	90%	96%	96%	90%	70%	12%
DTP1	88%	85%	84%	83%	87%	87%	61%
DTP3	71%	65%	63%	62%	68%	69%	36%
HepB3	71%	65%	56%	66%	68%		
MCV	79%	79%	82%	98%	88%	96%	30%
Pol3	57%	60%	63%	74%	54%	90%	46%
Hib3	71%	65%	83%	20%			
TT2+ (protected at birth)							
District co	verage (a	as repoi	rted)				
						2004	2003
Number of districts in country						158	159
Percentage of districts reporting						100%	100%
				below	50%	25%	23%
DTP3: proport	ion of distric	ts with o	coverage	betwe	en 50-79%	33%	37%
					6 or above	39%	40%
				L			
MCV: proporti			•			63%	30%
DTP1–DTP3 di have achieved				ricts tha	it		57%
Supply: any va	ccine supply	interrup	tion?				No
Safety: propor		-		sufficier	nt number		
of autodisable	(AD) syring	es for all	routine i	mmuniz	ations		
Immuniza	tion sche	dule					
BCG		birth	ı   D	TwP	18 m	onths; 4	years
DTwPHibHep	2 4 6	months	. H	ерВ			birth
·				-	<b>.</b> .	0.40	
MMR	12	months	5 0	PV	2, 4,	. 6, 18 m	onths; years
Td 19	st contact pro		\ /:	tamin A	. 6	12, 18, 2	-
		months; , +1 year	<i>'</i>		. 0,		onths
		-					

## **Ecuador**

#### 2004

Births	296,000
Surviving infants	289,000
Total population	13,040,000
Infant mortality rate (per 1,000 live births)	23
Under-five mortality rate (per 1,000 live births)	26
Gross national income per capita (US\$)	2,180
Percentage of routine Expanded Programme on Immunization vaccines financed by government	100

## National coverage rates (WHO/UNICEF estimates, 2004)

	2004	2003	2002	2001	2000	1990	1980
BCG	99%	99%	99%	99%	99%	89%	76%
DTP1	99%	99%	99%	99%	99%	87%	31%
DTP3	90%	89%	89%	90%	89%	68%	10%
HepB3	90%	58%	85%	71%	38%		
MCV	99%	99%	80%	99%	84%	60%	24%
Pol3	93%	99%	90%	92%	81%	67%	19%
Hib3	90%	58%					
TT2+ (protected at birth)							

## District coverage (as reported)

		2004	2003
Number of districts in country		167	167
Percentage of districts reporting		100%	100%
	below 50%	5%	37%
DTP3: proportion of districts with coverage	between 50-79%	37%	50%
	at 80% or above	59%	13%
MCV: proportion of districts with coverage at	59%	68%	
DTP1-DTP3 drop-out rate: proportion of distribute achieved a rate of less than 10%	0%	34%	
Supply: any vaccine supply interruption?	Yes	Yes	
Safety: proportion of districts supplied with sof autodisable (AD) syringes for all routine in	100%	100%	

BCG	birth	DTwP	1 year
DTwPHibHep	2, 4, 6 months	MMR	12 months
OPV	2, 4, 6 months; 1 year	Td	1st contact pregnancy; 1, 6 months; 1, 1 year
Yellow Fever	1, 10 years (subnational)		

						2	004
Births							90,000
Surviving infa	nts					1,8	25,000
Total population	on					72,6	42,000
Infant mortalit	y rate (per	1,000 live	e birth	s)			26
Under-five mo	rtality rate	(per 1,00	0 live	births)			36
Gross nationa	l income pe	er capita (	(US\$) .				1,310
Percentage of Immunization							100
National o	overage	e rates	(WH	O/UNICE	EF estima	tes, 2004)	
	2004	2003	2002		2000	1990	1980
BCG	98%	98%	98%	98%	98%	89%	50%
DTP1	98%	98%	98%	99%	98%	95%	80%
DTP3	97%	98%	97%	99%	98%	87%	57%
HepB3	97%	98%	97%	99%	93%		
MCV	97%	98%	97%	97%		86%	41%
Pol3	97%	98%	97%	99%	98%	87%	67%
Hib3		•••					
TT2+ (protected at birth)	71%	71%	71%	71%	71%	•••	
District co	verage	(as repo	rted)				
						2004	2003
Number of districts in country 2							249
Percentage of districts reporting						100%	100%
				bel	ow 50%	0%	0%
DTP3: proport	ion of distri	icts with	covera	ige bet	ween 50-7	9% 1%	0%
				at 8	30% or abo	ve 99%	100%
MCV: proporti	on of distri	cts with c	overa	ge at 90%	or above	98%	100%
DTP1-DTP3 di				districts	that	1000/	4000/
have achieved	a rate of le	ess than 1	10%			100%	100%
Supply: any va	ccine suppl	y interrup	otion?			No	No
Safety: propor of autodisable						er 100%	
Immuniza	tion sch	edule					
BCG	1-	-3 month	s	DTwP		2, 4, 6, 18 m	onths
НерВ	2, 4,	6 months	s	Measle	s	9 m	onths
MMR	1	8 months	s	OPV		birth; 2,	4, 6, 9,
тт	16, 20 wee	ke. CBAM	v				onths
11	10, 20 Wee	NO, CDAV	•	Vitamir	n A	9, 18 m	onths

## **El Salvador**

#### 2004

Births	166,000
Surviving infants	162,000
Total population	6,762,000
Infant mortality rate (per 1,000 live births)	24
Under-five mortality rate (per 1,000 live births)	28
Gross national income per capita (US\$)	2,350
Percentage of routine Expanded Programme on Immunization vaccines financed by government	100

## National coverage rates (WHO/UNICEF estimates, 2004)

	2004	2003	2002	2001	2000	1990	1980
BCG	94%	90%	92%	92%	99%	75%	56%
DTP1	90%	96%	93%	97%	99%	93%	69%
DTP3	90%	88%	81%	92%	99%	80%	44%
HepB3	83%	75%	75%	75%	99%		
MCV	93%	99%	93%	82%	97%	98%	45%
Pol3	90%	87%	81%	94%	98%	80%	42%
Hib3	83%	88%	81%				
TT2+ (protected at birth)							

## District coverage (as reported)

		2004	2003
Number of districts in country		262	
Percentage of districts reporting	100%		
	below 50%	8%	6%
DTP3: proportion of districts with coverage	between 50-79%	31%	24%
	at 80% or above	61%	71%
MCV: proportion of districts with coverage a	43%		
DTP1–DTP3 drop-out rate: proportion of dist have achieved a rate of less than 10%			
Supply: any vaccine supply interruption?			
Safety: proportion of districts supplied with of autodisable (AD) syringes for all routine in			

BCG	birth	DTwP	18 months; 4 years
DTwPHibHep	2, 4, 6 months	MMR	1, 4 years
OPV	2, 4, 6, 18 months; 4 years	Td	+1 +6 months; +1 +5 +10 years

# **Equatorial Guinea**

						2	004
Births						:	21,000
Surviving infan	ts						19,000
Total population	n					49	92,000
Infant mortality			122				
Under-five mor	tality rate (	per 1,000	live birt	hs)			204
Gross national	income pe	r capita (	US\$)				
Percentage of re Immunization v							100
National co	overage	rates	(WHO/L	JNICEF	estimates	, 2004)	
	2004	2003	2002	2001	2000	1990	1980
BCG	73%	73%	73%	73%	73%	94%	
DTP1	65%	65%	65%	65%	65%	96%	
DTP3	33%	33%	33%	33%	33%	77%	
HepB3							
MCV	51%	51%	51%	51%	51%	88%	
Pol3	39%	39%	39%	39%	39%	75%	
Hib3							
TT2+	40%	44%	47%	50%	53%		
(protected at birth)							
District coverage (as reported)							
						2004	2003
Number of dist	ricts in cou	intry				18	18
Percentage of d	listricts rep	orting				100%	100%
				below	50%	72%	83%
DTP3: proportion	on of distri	cts with o	coverage	betwe	en 50-79%	22%	17%
				at 80%	% or above	6%	0%
MCV: proportion of districts with coverage at 90% or above					r above	0%	6%
DTP1-DTP3 dro				tricts tha	at	000/	440/
have achieved a rate of less than 10%						28%	11%
Supply: any vaccine supply interruption?					Yes	Yes	
Safety: proportion of districts supplied with sufficient number of autodisable (AD) syringes for all routine immunizations 6%					100%		
Immunizati	ion sch	edule					

birth

9 months

CBAW and pregnant

women; +1, +6 months; +1, +2 years DTwP

OPV

BCG

TT

Measles

_	_
h	h
J	u

6, 10, 14 weeks; 15 months

14 weeks; 15 months

birth; 6, 10,

# Eritrea

#### 2004

Births	166,000
Surviving infants	156,000
Total population	4,232,000
Infant mortality rate (per 1,000 live births)	52
Under-five mortality rate (per 1,000 live births)	82
Gross national income per capita (US\$)	180
Percentage of routine Expanded Programme on Immunization vaccines financed by government	0

## National coverage rates (WHO/UNICEF estimates, 2004)

	2004	2003	2002	2001	2000	1990	1980
BCG	91%	91%	91%	91%	95%		
DTP1	91%	91%	91%	91%	94%		
DTP3	83%	83%	83%	83%	88%		
HepB3	83%	83%	83%				
MCV	84%	84%	84%	84%	86%		
Pol3	83%	83%	83%	83%	88%		
Hib3							
TT2+ (protected at birth)	62%	60%	59%	57%	55%		

## District coverage (as reported)

		2004	2003
Number of districts in country		6	6
Percentage of districts reporting		100%	100%
	below 50%	33%	33%
DTP3: proportion of districts with coverage	between 50-79%	50%	50%
	at 80% or above	17%	17%
MCV: proportion of districts with coverage at	t 90% or above	0%	0%
DTP1-DTP3 drop-out rate: proportion of distribute achieved a rate of less than 10%	67%	67%	
Supply: any vaccine supply interruption?		No	No
Safety: proportion of districts supplied with sof autodisable (AD) syringes for all routine in	100%	100%	

BCG	birth	DTwPHep	6, 10, 14 weeks
Measles	9 months	OPV	birth; 6, 10, 14 weeks
TT	1st contact pregnancy; +1, +6 months; +1, +1 year		

2004   Births						13,000 13,000 35,000 6 8	
National c	overage	e rates	(WHO/L	JNICEF	estimates	, 2004)	
	2004	2003	2002	2001	2000	1990	1980
BCG	99%	99%	99%	99%	99%		
DTP1	98%	97%	98%	97%	97%		
DTP3	94%	94%	97%	94%	93%		
HepB3	90%						
MCV	96%	95%	95%	95%	93%		
Pol3	95%	95%	98%	94%	93%		
Hib3	27%						
TT2+ (protected at birth)							
District cov	verage	(as repo	rted)				
						2004	2003
Number of dist	ricts in co	untry				15	15
Percentage of o	districts re	porting				100%	100%
				below	50%	0%	0%
DTP3: proportion	on of distr	icts with o	coverage	betwe	en 50-79%	0%	0%
			Ü	at 80%	6 or above	100%	100%
MCV: proportion	n of distri	cts with c	overage a	it 90% o	r above	100%	94%
DTP1–DTP3 drop-out rate: proportion of districts that have achieved a rate of less than 10%				100%	100%		
Supply: any vad	cine supp	ly interrup	tion?			Yes	No
Safety: proport of autodisable							
<b>Immunizat</b>	ion sch	edule					

BCG	3-5 days	DTwP	3, 4.5, 6 months; 2 years
НерВ	birth; 1, 6 months; and 13 years, +1, +6 months	IPV	3, 4.5, 6 months; 2, 7 years; HIV-positive children
MMR	12 months; 13 years	OPV	3, 4.5, 6 months; 2, 7 years
Rabies	birth; 3, 7, 14, 30, 90 days; after animal bite	Td	7, 12, 17 years; booster adults every 10 years; tetanus prophylaxis in
Hib	3, 4.5 months; 1 year; newborns (subnational)		cases of injury

# **Ethiopia**

#### 2004

Births	3,064,000
Surviving infants	2,767,000
Total population	75,600,000
Infant mortality rate (per 1,000 live births)	110
Under-five mortality rate (per 1,000 live births)	166
Gross national income per capita (US\$)	110
Percentage of routine Expanded Programme on Immunization vaccines financed by government	18

## National coverage rates (WHO/UNICEF estimates, 2004)

	2004	2003	2002	2001	2000	1990	1980
BCG	82%	82%	81%	76%	76%	64%	
DTP1	93%	86%	85%	85%	74%	73%	
DTP3	80%	66%	65%	65%	56%	49%	
HepB3							
MCV	71%	59%	57%	55%	52%	38%	4%
Pol3	80%	67%	66%	65%	57%	49%	3%
Hib3							
TT2+ (protected at birth)	45%	40%	35%	29%	24%		

## District coverage (as reported)

		2004	2003
Number of districts in country		85	81
Percentage of districts reporting		100%	100%
	below 50%	32%	47%
DTP3: proportion of districts with coverage	between 50-79%	41%	43%
	at 80% or above	27%	10%
MCV: proportion of districts with coverage a	t 90% or above	5%	0%
DTP1–DTP3 drop-out rate: proportion of dist have achieved a rate of less than 10%	ricts that	41%	65%
Supply: any vaccine supply interruption?		No	No
Safety: proportion of districts supplied with of autodisable (AD) syringes for all routine in	100%	100%	

BCG	birth	DTwP	6, 10, 14 weeks
Measles	9 months	OPV	birth; 6, 10, 14 weeks
TT	CBAW (15-49 years)	Vitamin A	9 months

BirthsSurviving infant Total populatio Infant mortality Under-five mor Gross national Percentage of r Immunization v	n rate (per tality rate income per	1,000 live (per 1,000 er capita (	births)  live birth US\$)	ns)			004 19,000 19,000 41,000 16 20 2,690
National co	overage	rates	(WHO/U	NICEF	estimates	, 2004)	
BCG DTP1 DTP3 HepB3 MCV PoI3 Hib3	2004 93% 75% 71% 73% 62% 76%	2003 99% 97% 94% 92% 91% 99%	2002 99% 96% 92% 78% 88% 99%	2001 99% 99% 90% 93% 90% 99%	2000 98% 96% 89% 95% 85% 95%	1990 99% 98% 97%  84% 96%	1980 95% 87% 68%  32% 55%
TT2+							
(protected at birth)							
District cov	verage	(as repo	rted)				
Number of dist		•				2004 19	2003 19 100%
. o.comage o. c		pog		below	, 50%		0%
DTP3: proportio	on of distri	icte with	coverage		en 50-79%		0%
2 e. p. oper	o o. a.o		oc vo. ago		% or above		100%
MCV: proportio	n of distri	rte with c	overage a	∟ t90%.o	r above		0%
DTP1-DTP3 dro	p-out rate	: proport	ion of dist				100%
Supply: any vac	cine suppl	y interrup	otion?				No
Safety: proport of autodisable							100%
<b>Immunizat</b>	ion sch	edule					
BCG	birt	h; 6 years	s I D	TwPHib		2, 3, 4 m	onths
НерВ		5 months		R			years
•	birth; 2, 3,			ubella			years
тт	5, 11	-14 years nt womer	;				

## **Finland**

#### 2004

Births	55,000
Surviving infants	55,000
Total population	5,235,000
Infant mortality rate (per 1,000 live births)	3
Under-five mortality rate (per 1,000 live births)	4
Gross national income per capita (US\$)	32,790
Percentage of routine Expanded Programme on Immunization vaccines financed by government	-

## National coverage rates (WHO/UNICEF estimates, 2004)

	2004	2003	2002	2001	2000	1990	1980
BCG	98%	98%	99%	99%	99%	91%	90%
DTP1	98%	98%	99%	99%	99%	96%	97%
DTP3	98%	98%	98%	99%	99%	90%	92%
HepB3							
MCV	97%	97%	96%	96%	96%	97%	
Pol3	96%	96%	95%	95%	95%	90%	90%
Hib3	96%	96%	96%	96%	96%		
TT2+ (protected at birth)							

## District coverage (as reported)

		2004	2003
Number of districts in country			
Percentage of districts reporting			
	below 50%		
DTP3: proportion of districts with coverage	between 50-79%		
	at 80% or above		
MCV: proportion of districts with coverage a			
DTP1-DTP3 drop-out rate: proportion of dist	ricts that		
have achieved a rate of less than 10%			
Supply: any vaccine supply interruption?	No		
Safety: proportion of districts supplied with	sufficient number		
of autodisable (AD) syringes for all routine in		100%	

BCG	birth	DTwP	3, 4, 5, 20-24 months
Hib	4, 6, 14-18 months	Influenza	>65 years;
IPV	6, 12, 20-24 months; 6-7 years	MMR	risk groups 14-18 months;
Td	11-13 years;		6 years

						2	004
Births						744,000	
Surviving	infants					7	41,000
Total pop	ulation					60,2	57,000
Infant mo	ortality rate (per	1,000 live	births)				4
Under-fiv	Under-five mortality rate (per 1,000 live births)						
	tional income pe	•				;	30,090
	ge of routine Exp ation vaccines fir						_
Nation	al coverage	e rates	(WHO/	UNICEF	estimates	, 2004)	
DCC	2004	2003	2002	2001	2000	1990	1980
BCG	85% 98%	85% 98%	85% 98%	83% 98%	83% 98%	74% 97%	80% 92%
DTP1 DTP3		98% 97%	98% 97%	98% 97%	98% 97%	94%	92% 79%
	97%						
HepB3	28% 86%	29% 86%	29% 86%	27% 85%	26% 84%	 71%	
MCV Pol3	97%	97%	97%	98%	98%	95%	 80%
Hib3	86%	86%	86%	86%	96% 86%		
TT2+						•••	
(protected at	birth)			•••	•••		
Distric	t coverage	(as repor	ted)				
						2004	2003
Number	of districts in co	untry				100	
Percentag	ge of districts re	porting					
				below	/ 50%		
DTP3: pro	oportion of distr	icts with c	overage	betwe	en 50-79%		
				at 80%	% or above		
MCV: pro	portion of distri	cte with co	overage	_ at 90% o	r above		
-	P3 drop-out rate		_				
	ieved a rate of le			oti ioto tire	••		
Supply: a	ny vaccine suppl	v interrup	tion?				
	roportion of dist			sufficie	nt number		
of autodi	sable (AD) syrin	ges for all	routine	immuniz	ations		
lmmur	nization sch	edule					
BCG	1 month-	6 years; at	·   г	OΤ	2 3	4, 18 m	onthe:
500		gistration				6, 11, 16	
НерВ	2 3 1	2 months;	H	lib		4, 18 m	
		mmended				recomm	
IPV	2, 3, 4, 1	8 months;		Measles		) months n kinderg	
		, 16 years		Pw .		4, 18 m	
MMR	12 months;	3-6 years;			ر کے کر کر ا 11 vears:		

11 years; recommended

recommended

## Gabon

#### 2004

Births	42,000
Surviving infants	39,000
Total population	1,362,000
Infant mortality rate (per 1,000 live births)	60
Under-five mortality rate (per 1,000 live births)	91
Gross national income per capita (US\$)	3,940
Percentage of routine Expanded Programme on Immunization vaccines financed by government	100

## National coverage rates (WHO/UNICEF estimates, 2004)

	2004	2003	2002	2001	2000	1990	1980
BCG	89%	89%	89%	89%	89%	96%	
DTP1	69%	69%	69%	69%	69%	96%	
DTP3	38%	38%	38%	38%	38%	78%	
HepB3							
MCV	55%	55%	55%	55%	55%	76%	
Pol3	31%	31%	31%	31%	31%	78%	
Hib3							
TT2+ (protected at birth)	45%	47%	50%	52%	54%		

## District coverage (as reported)

Number of districts in country		2004 51	2003 51
Percentage of districts reporting		100%	100%
	below 50%	57%	36%
DTP3: proportion of districts with coverage	between 50-79%	37%	32%
	at 80% or above	6%	32%
MCV: proportion of districts with coverage a	t 90% or above	20%	10%
DTP1–DTP3 drop-out rate: proportion of dist have achieved a rate of less than 10%	ricts that	41%	48%
Supply: any vaccine supply interruption?		No	No
Safety: proportion of districts supplied with of autodisable (AD) syringes for all routine in		100%	

BCG	birth	DTwP	6, 10, 14 weeks
НерВ	6, 10, 14 weeks	Measles	9 months
OPV	birth; 6, 10, 14 weeks	TT	pregnant women
Vellow Fever	9 months		(2 doses)

						2	004
Births							52,000
	nfants						48,000
	Total population						
Infant mort	Infant mortality rate (per 1,000 live births)						
Under-five	mortality rate (¡	oer 1,000	0 live b	irths)			122
Gross natio	nal income per	capita (	US\$)				290
	of routine Expa		-				45
immunizatio	on vaccines fina	ancea by	/ gover	nment			45
Nationa	l coverage	rates	(WHC	/UNICEF	estimates	, 2004)	
	2004	2003	2002	2001	2000	1990	1980
BCG	95%	99%	99%	99%	97%	98%	85%
DTP1	95%	95%	95%	98%	89%	97%	84%
DTP3	92%	90%	90%	96%	83%	92%	63%
HepB3	90%	90%	90%	84%	91%	93%	
MCV	90%	90%	90%	90%	85%	86%	69%
Pol3	90%	90%	90%	87%	89%	94%	53%
Hib3	90%	90%	90%	75%	83%		
TT2+ (protected at bir	 th)						
District	coverage (a	as repo	rted)				
						2004	2003
Number of	districts in cou	ntry				37	6
Percentage	of districts rep	orting				100%	100%
				belov	v 50%	0%	0%
DTP3: prop	ortion of distric	ts with o	coverac	ie betwe	een 50-79%	0%	17%
o. p. op					% or above	100%	83%
NAC) /		dala		L			
	ortion of district					33%	33%
	drop-out rate: ved a rate of les			iistricts th	al	83%	67%
Supply: any	vaccine supply	interrup	tion?			No	No
	portion of distri ble (AD) syring					100%	100%
Immuni	zation sche	dula					
IIIIIIIIII	zation sche	uuie					
BCG		birth	1	DTwP		2, 3, 4 m	onths
DTwPHib	2, 3, 4	months	6	НерВ	birt	h; 2, 4 m	onths
Measles	g	months	3	OPV	!	oirth; 1, 2	2, 3, 9, onths
TT		egnancy months , +1 year	;	Vitamin A	Α 6,	+6, +6, +	
Yellow Feve	er 9	months	3				

# Georgia

#### 2004

Births	50,000
Surviving infants	48,000
Total population	4,518,000
Infant mortality rate (per 1,000 live births)	41
Under-five mortality rate (per 1,000 live births)	45
Gross national income per capita (US\$)	1,040
Percentage of routine Expanded Programme on Immunization vaccines financed by government	20

## National coverage rates (WHO/UNICEF estimates, 2004)

	2004	2003	2002	2001	2000	1990	1980
BCG	91%	87%	91%	94%	95%		
DTP1	88%	86%	96%	97%	94%		
DTP3	78%	76%	84%	87%	80%		
HepB3	64%	49%	51%	61%	55%		
MCV	86%	80%	73%	73%	73%		
Pol3	66%	75%	89%	83%	81%		
Hib3							
TT2+ (protected at birth)							

## District coverage (as reported)

		2004	2003	
Number of districts in country		66	76	
Percentage of districts reporting		100%	87%	
	below 50%	6%	5%	
DTP3: proportion of districts with coverage	between 50-79%	33%	33%	
	at 80% or above	61%	49%	
MCV: proportion of districts with coverage a	t 90% or above	55%		
DTP1–DTP3 drop-out rate: proportion of dist have achieved a rate of less than 10%	ricts that	55%	57%	
Supply: any vaccine supply interruption?		Yes	No	
Safety: proportion of districts supplied with of autodisable (AD) syringes for all routine in		100%	99%	

BCG	2-5 days	DT	5 years
DTwP	2, 3, 4, 18 months	НерВ	birth; 2, 4 months
Measles	12 months; 5 years	MMR	12 months; 5, 13 years
Mumps	12 months	OPV	2, 3, 4, 18 months;
Td	14 years		5 years

Under-five mortality rate (per 1,000 live births)							87,000 84,000
National co	verage	e rates (	WHO/U	NICEF	estimates	, 2004)	
BCG DTP1 DTP3 HepB3 MCV Pol3 Hib3 TT2+ (protected at birth)	2004  98% 97% 81% 92% 94% 90%	2003  96% 89% 81% 92% 94% 89%	2002  96% 89% 81% 92% 94% 91%	2001  96% 89% 81% 92% 94% 85% 	2000  96% 89% 81% 92% 94% 79%	1990  93% 80%  75% 80% 	1980   25% 80% 
District cov	erage	(as report	ted)				
Number of districts in country  Percentage of districts reporting  DTP3: proportion of districts with coverage  below 50%  between 50-79%  at 80% or above  MCV: proportion of districts with coverage at 90% or above  DTP1–DTP3 drop-out rate: proportion of districts that have achieved a rate of less than 10%  Supply: any vaccine supply interruption?  Safety: proportion of districts supplied with sufficient number of autodisable (AD) syringes for all routine immunizations					2004 439     No	2003 439 100%  69% 	
Immunizati	on sch	edule					
DTaPHibHepIPV MMR 1 Td	1-14, 15-2	2, 3, 4, 14 months 23 months 9-17 years	IP Pa To			9-17	years years years

## Ghana

#### 2004

Births	679,000
Surviving infants	638,000
Total population	21,664,000
Infant mortality rate (per 1,000 live births)	68
Under-five mortality rate (per 1,000 live births)	112
Gross national income per capita (US\$)	380
Percentage of routine Expanded Programme on Immunization vaccines financed by government	62

## National coverage rates (WHO/UNICEF estimates, 2004)

	2004	2003	2002	2001	2000	1990	1980
BCG	92%	92%	91%	91%	95%	71%	
DTP1	88%	87%	91%	80%	84%	80%	27%
DTP3	80%	80%	80%	80%	84%	58%	7%
HepB3	80%	80%	80%				
MCV	83%	80%	83%	81%	84%	61%	16%
Pol3	81%	80%	79%	80%	83%	57%	7%
Hib3	80%	80%	80%				
TT2+ (protected at birth)	70%	70%	70%	70%	70%		

#### District coverage (as reported)

		2004	2003
Number of districts in country		110	110
Percentage of districts reporting		100%	100%
	below 50%	0%	0%
DTP3: proportion of districts with coverage	between 50-79%	49%	52%
	at 80% or above	51%	48%
MCV: proportion of districts with coverage a	29%	52%	
DTP1–DTP3 drop-out rate: proportion of dist have achieved a rate of less than 10%	66%	60%	
Supply: any vaccine supply interruption?		No	No
Safety: proportion of districts supplied with of autodisable (AD) syringes for all routine in	100%	100%	

#### Immunization schedule

BCG	birth	DTwPHibHep	6, 10, 14 weeks
Measles	9 months	OPV	6, 10, 14 weeks
TT +	CBAW (12-49 years) and 1st contact pregnancy; 1, +6 months; +1, +1 year	Vitamin A	6 months
Yellow Fe	ver 9 months		

						2	004
Births						10	02,000
Surviving	infants					10	01,000
Total popu	ulation					11,0	98,000
Infant mo	rtality rate (per 1	,000 live	births)				4
Under-five	e mortality rate (	per 1,000	0 live birt	hs)			5
Gross nati	ional income pe	r capita (	US\$)				16,610
	e of routine Exp tion vaccines fin						-
Nationa	al coverage	rates	(WHO/L	JNICEF	estimates	, 2004)	
	2004	2003	2002	2001	2000	1990	1980
BCG	88%	88%	88%	88%	88%	86%	
DTP1	96%	96%	96%	96%	96%	77%	89%
DTP3	88%	88%	88%	88%	88%	54%	72%
HepB3	88%	88%	88%	88%	88%		
MCV	88%	88%	88%	88%	88%	76%	
Pol3	87%	87%	87%	87%	87%	96%	90%
Hib3	88%	88%	88%	88%	88%		
TT2+ (protected at b	oirth)						
District	coverage (	as repo	rted)				
						2004	2003
Number o	f districts in cou	ntry				54	
Percentag	e of districts rep	orting					
				below	/ 50%		
DTP3: pro	portion of distric	cts with o	coverage	betwe	en 50-79%		
2 o. p. o	portion of aloun	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	o vo. ago		% or above		•••
				L		•••	•••
	portion of distric		•			•••	•••
	P3 drop-out rate: eved a rate of le			tricts tha	it		
			5				
	y vaccine supply	-		· · ·		No	
	oportion of distr able (AD) syring					100%	
lmmun	ization sch	edule					
BCG		6 years	s D	ТаР	2, 4,	6, 18 m	
DTwP	2, 4, 6, 18	months 4-6 years		lepB	birth; 2-4		years
Hib	2, 4, 6, 12-1	•		PV		4, 18 m	
MMR	15 months;				4-6 years;		
		•	0	PV	2, 4,	6, 18 m	
Td	14-16 years; > recommend			ТаР	2 1	4-6 6, 18 m	years
	10 years t			·ui	2, 4,		years

## Grenada

#### 2004

Births	2,000
Surviving infants	
Total population	102,000
Infant mortality rate (per 1,000 live births)	18
Under-five mortality rate (per 1,000 live births)	21
Gross national income per capita (US\$)	3,760
Percentage of routine Expanded Programme on Immunization vaccines financed by government	100

## National coverage rates (WHO/UNICEF estimates, 2004)

	2004	2003	2002	2001	2000	1990	1980
BCG							
DTP1	87%	98%	98%	98%	99%	93%	50%
DTP3	83%	97%	98%	96%	97%	80%	25%
HepB3	83%	97%	98%	96%			
MCV	74%	99%	96%	99%	92%	85%	
Pol3	84%	98%	98%	96%	97%	69%	32%
Hib3	83%	97%	98%	96%	33%		
TT2+ (protected at birth)							

## District coverage (as reported)

N. J. Giberra		2004	2003	
Number of districts in country		7	7	
Percentage of districts reporting		100%	100%	
	below 50%	0%	0%	
DTP3: proportion of districts with coverage	between 50-79%	14%	0%	
	at 80% or above	86%	100%	
MCV: proportion of districts with coverage a	rage at 90% or above 71% 7			
DTP1-DTP3 drop-out rate: proportion of dist have achieved a rate of less than 10%		100%		
Supply: any vaccine supply interruption?		Yes	Yes	
Safety: proportion of districts supplied with sufficient number of autodisable (AD) syringes for all routine immunizations 100%				

DT	4 years	DTwP	18 months
DTwPHibHep	6-8, 16-20, 24-28 weeks	MMR	12, 18 months
OPV	6-8, 16-20, 24-28 weeks; 18 months; 4 years	Td	other children and adults

						2	004
Births						4:	33,000
Surviving infants							17,000
Total por	oulation					12,2	95,000
Infant m	ortality rate (per	1,000 live b	irths)				33
Under-fiv	ve mortality rate	(per 1,000 li	ive birth	s)			45
Gross na	ational income pe	er capita (US	S\$)				2,130
	ge of routine Exp ation vaccines fir						100
Nation	nal coverage	e rates (\	NHO/U	NICEF e	stimates	, 2004)	
	2004		2002	2001	2000	1990	1980
BCG	98%		96%	94%	97%	62%	36%
DTP1	94%	94%	94%	94%	95%	86%	68%
DTP3	84%	83% 8	84%	82%	85%	66%	43%
HepB3							
MCV	75%	75%	75%	75%	76%	68%	23%
Pol3	84%	83% 8	84%	82%	85%	74%	43%
Hib3							
TT2+ (protected a	t birth)						
Distric	ct coverage	(as reporte	ed)				
						2004	2003
Number	of districts in co	untry				331	331
Percenta	ge of districts re	porting				100%	100%
				below !	50%	0%	0%
DTP3: pr	oportion of distri	icts with cov	verage	betwee	n 50-79%	3%	4%
•			Ü	at 80%	or above	97%	96%
N/C)// mm				L 1.000/ a.r.		83%	71%
	oportion of distri FP3 drop-out rate		•		above	83%	/ 170
	nieved a rate of le			iicis iiiai		79%	80%
Supply: a	any vaccine suppl	y interruption	on?			No	No
	proportion of dist isable (AD) syring					100%	100%
lmmu	nization sch	edule					
BCG		birth	TD	ſwΡ	2, 3,	4, 18 m	
MMR	1:	2 months;					years
	2nd dose:	follow-up campaign	OF	5V	2, 3,	4, 18 m	onths; years
Td			Vit	tamin A	6,	12, 18, 2 36 m	24, 30, onths

+10 +10 years

## Guinea

#### 2004

Births	383,000
Surviving infants	344,000
Total population	9,202,000
Infant mortality rate (per 1,000 live births)	101
Under-five mortality rate (per 1,000 live births)	155
Gross national income per capita (US\$)	460
Percentage of routine Expanded Programme on Immunization vaccines financed by government	8

## National coverage rates (WHO/UNICEF estimates, 2004)

	2004	2003	2002	2001	2000	1990	1980
BCG	71%	78%	77%	76%	76%	50%	
DTP1	75%	77%	76%	75%	74%	40%	
DTP3	69%	69%	64%	60%	55%	17%	
HepB3							
MCV	73%	74%	70%	65%	61%	35%	
Pol3	68%	71%	65%	60%	54%	18%	
Hib3							
TT2+ (protected at birth)	77%	74%	66%	58%	50%		

## District coverage (as reported)

		2004	2003
Number of districts in country		38	38
Percentage of districts reporting		100%	100%
	below 50%	8%	13%
DTP3: proportion of districts with coverage	between 50-79%	55%	68%
	at 80% or above	37%	18%
MCV: proportion of districts with coverage a	18%	21%	
DTP1–DTP3 drop-out rate: proportion of dist have achieved a rate of less than 10%	66%	53%	
Supply: any vaccine supply interruption?		Yes	No
Safety: proportion of districts supplied with of autodisable (AD) syringes for all routine in	100%	100%	

BCG	birth	DTwP	6, 10, 14 weeks
Measles	9 months	OPV	birth; 6, 10, 14 weeks
TT	CBAW (15-45 years) and 1st contact pregnancy;	Yellow Fever	9 months
	+1; +6 months; +1, +1 year	Vitamin A	6 months (subnational)

							2	004
Births								77,000
Surviving infa	Surviving infants							
Total populat	ion						1,5	40,000
Infant mortali	ty rate (per	1,000 live	birth	s)				126
Under-five m	ortality rate	(per 1,00	0 live l	oirth	s)			203
Gross nationa	al income pe	er capita	(US\$).					160
Percentage of routine Expanded Programme on Immunization vaccines financed by government								0
National	coverage	e rates	(WH	O/UI	NICEF	estimates	s, 2004)	
	2004	2003	2002	2	2001	2000	1990	1980
BCG	80%	84%	70%		70%	72%	90%	
DTP1	86%	82%	72%		72%	67%	82%	
DTP3	80%	77%	50%		47%	42%	61%	
HepB3								
MCV	80%	61%	47%		48%	59%	53%	
Pol3	80%	75%	50%		52%	47%	60%	
Hib3		•••				•••		
TT2+ (protected at birth)	56%	58%	60%		62%	64%		
District co	overage	(as repo	rted)					
							2004	2003
Number of di	stricts in co	untry					11	11
Percentage of	f districts re	porting					100%	100%
					belov	v 50%	27%	0%
DTP3: propor	tion of distr	icts with	covera	ge	betwe	een 50-79%	18%	45%
					at 809	% or above	55%	55%
MCV: proport	ion of distri	cts with c	overaç	ge at	90% c	or above	9%	27%
DTP1-DTP3 d				distr	icts the	at	27%	55%
Supply: any v							Yes	No
Safety: propo of autodisable								55%
Immuniza	ation sch	edule						
BCG		birtl	h	DT	wP	(	5, 10, 14 ·	weeks
Measles		9 month	s	OP	V	birth; 6	6, 10, 14 ·	weeks
Π	+1, +	-45 years st contact 6 months +1 +1 yea	t; s;					

## Guyana

#### 2004

Births	16,000
Surviving infants	15,000
Total population	750,000
Infant mortality rate (per 1,000 live births)	48
Under-five mortality rate (per 1,000 live births)	64
Gross national income per capita (US\$)	990
Percentage of routine Expanded Programme on Immunization vaccines financed by government	60

## National coverage rates (WHO/UNICEF estimates, 2004)

	2004	2003	2002	2001	2000	1990	1980
BCG	94%	95%	91%	95%	93%	85%	68%
DTP1	90%	93%	97%	98%	97%	94%	60%
DTP3	91%	90%	91%	85%	88%	83%	35%
HepB3	91%	90%	91%	85%			
MCV	88%	89%	93%	92%	86%	73%	
Pol3	91%	91%	93%	90%	79%	79%	42%
Hib3	91%	90%	91%	85%			
TT2+ (protected at birth)							

## District coverage (as reported)

		2004	2003
Number of districts in country	13		
Percentage of districts reporting		100%	
	below 50%	0%	0%
DTP3: proportion of districts with coverage	between 50-79%	8%	15%
	at 80% or above	92%	85%
MCV: proportion of districts with coverage a	t 90% or above	46%	
DTP1–DTP3 drop-out rate: proportion of dist have achieved a rate of less than 10%	85%		
Supply: any vaccine supply interruption?	Yes		
Safety: proportion of districts supplied with of autodisable (AD) syringes for all routine in	100%		

BCG	birth	DTwP	18, 45 months
DTwPHibHep	2, 4, 6 months	IPV	2, 4, 6, 18, 45 months; susp HIV
MMR	12, 45 months	OPV	2, 4, 6, 18, 45 months
Td adults, pregnant women		OFV	2, 4, 6, 16, 45 1110111115
		Yellow Fever	12 months

2004

							_	00+
Births							25	53,000
	Surviving infants							38,000
	Total population							07,000
	Infant morta	lity rate (per 1	,000 live	births)				74
Under-five mortality rate (per 1,000 live births)								117
	Gross nation	ial income pei	capita (l	JS\$)				390
		of routine Expansion vaccines final						30
	National	coverage	rates	(WHO/	UNICEF	estimates	, 2004)	
		2004	2003	2002	2001	2000	1990	1980
	BCG	71%	71%	71%	71%	71%	72%	
	DTP1	76%	76%	76%	76%	76%	66%	21%
	DTP3	43%	43%	43%	43%	43%	41%	3%
	HepB3							
	MCV	54%	54%	54%	54%	54%	31%	
	Pol3	43%	43%	43%	43%	43%	40%	8%
	Hib3							
	TT2+ (protected at birth	<b>52</b> %	52%	52%	52%	52%		
	District c	overage (a	as repor	ted)				
							2004	2003
	Number of d	listricts in cou	ntry				133	
	Percentage of	of districts rep	orting				100%	
					below	50%	49%	51%
	DTP3: propo	rtion of distric	ts with c	overage	betwe	en 50-79%	17%	21%
					at 809	% or above	34%	28%
	MCV: propor	tion of district	ts with co	overage	_ at 90% o	r above	21%	19%
		drop-out rate:			stricts tha	at		
	have achieve	ed a rate of les	ss than 10	0%				
	Supply: any	vaccine supply	interrupt	tion?			Yes	
	Safety: proportion of districts supplied with sufficient number of autodisable (AD) syringes for all routine immunizations							
	Immuniz	ation sche	edule					
1	BCG		birth	[	DTwP	6	, 10, 14 w +1. +	veeks; 1 year
	Measles	9	months	(	OPV			6, 10,
	<b>-</b> .	00 414/45		,	v			٠, ١٠,

Td

CBAW (15-49 years)

and 1st contact pregnancy;

+1 month; +1, +1, +1 year

14 weeks; +1, +1 year

6, +4, +4 months

Vitamin A

## **Honduras**

#### 2004

Births	206,000
Surviving infants	199,000
Total population	7,048,000
Infant mortality rate (per 1,000 live births)	31
Under-five mortality rate (per 1,000 live births)	41
Gross national income per capita (US\$)	1,030
Percentage of routine Expanded Programme on Immunization vaccines financed by government	100

## National coverage rates (WHO/UNICEF estimates, 2004)

	2004	2003	2002	2001	2000	1990	1980
BCG	93%	91%	94%	99%	99%	70%	25%
DTP1	96%	97%	98%	98%	98%	94%	53%
DTP3	89%	92%	95%	95%	95%	84%	28%
HepB3	89%	92%	95%	95%	95%		
MCV	92%	95%	97%	95%	98%	90%	31%
Pol3	90%	92%	95%	95%	88%	87%	31%
Hib3	89%	92%	95%	95%	95%		
TT2+ (protected at birth)							

#### District coverage (as reported)

		2004	2003
Number of districts in country		298	298
Percentage of districts reporting		100%	100%
	below 50%	1%	0%
DTP3: proportion of districts with coverage	between 50-79%	15%	6%
	at 80% or above	85%	94%
MCV: proportion of districts with coverage a	59%	74%	
DTP1–DTP3 drop-out rate: proportion of dist have achieved a rate of less than 10%	91%	64%	
Supply: any vaccine supply interruption?			No
Safety: proportion of districts supplied with of autodisable (AD) syringes for all routine in		100%	

BCG	birth	DTwP	18 months; 4-5 years
DTwPHibHep	2, 4, 6 months	MMR	12 months
MR	1-4 years	OPV	birth; 2, 4, 6 months; 1-4 years
Td	CBAW (12-49 years) 5 doses	Vitamin A	6, 12, 18 months; 2 years; 30 months;
IPV 4 ye	2, 4, 6 months; ears; high-risk groups	Yellow Fever	3 years >1year; international travellers

# Hungary

								2	004
Births								95,000	
Surviving infants									94,000
Total population								10,1	24,000
Infant mortality rate (per 1,000 live births)								7	
Under-five mortality rate (per 1,000 live births)								8	
	Gross national	income p	er capita	(US\$)					8,270
	Percentage of r Immunization v								-
	National co	overage	e rates	(WI	lO/U	NICEF	estimate	s, 2004)	
		2004	2003	200		2001	2000	1990	1980
	BCG	99%	99%	999	6	99%	99%	99%	99%
	DTP1	99%	99%	999	6	99%	99%	99%	99%
	DTP3	99%	99%	999	6	99%	99%	99%	99%
	HepB3								
	MCV	99%	99%	999	6	99%	99%	99%	99%
	Pol3	99%	99%	999	6	99%	99%	99%	98%
	Hib3	99%	99%	999	6	99%	99%		
	TT2+ (protected at birth)		•••				•••		
	District cov	/erage	(as repo	rted					
								2004	2003
	Number of dist	ricts in co	untry					136	138
	Percentage of o	districts re	porting					100%	100%
						belov	v 50%	0%	0%
	DTP3: proportion	on of distr	icts with	cover	age	betwe	een 50-79%	0%	0%
						at 809	% or above	100%	100%
	MCV: proportio	n of distri	cts with c	cover	age a	t <b>90</b> % c	r above	100%	100%
	DTP1-DTP3 dro				f dist	ricts the	at	100%	100%
	Supply: any vac								No
	Safety: proport					sufficia	nt number	•••	NO
	of autodisable								0%
	Immunizat	ion sch	edule						
	BCG	birt	h-6 week	s	D٦	Г		11	years
	DTwP	4,	5 months	s;	Dī	TwPIPV		3 m	onths
			3, 6 year	s	Hi	b	2.	4, 5, 15 m	onths
HepB 14 years (3 doses)									
	MMR	15 months	; 11 year	s	OI	٧	4	, 5, 15 m 3, 6	years

## **Iceland**

#### 2004

Births	4,000
Surviving infants	4,000
Total population	292,000
Infant mortality rate (per 1,000 live births)	2
Under-five mortality rate (per 1,000 live births)	3
Gross national income per capita (US\$)	38,620
Percentage of routine Expanded Programme on Immunization vaccines financed by government	-

## National coverage rates (WHO/UNICEF estimates, 2004)

	2004	2003	2002	2001	2000	1990	1980
BCG							
DTP1	99%	97%	98%	95%	99%	99%	99%
DTP3	99%	97%	95%	92%	98%	99%	99%
HepB3	•••						
MCV	93%	93%	91%	88%	91%	99%	
Pol3	99%	97%	94%	91%	95%	99%	99%
Hib3	99%	97%	94%	92%	98%		
TT2+ (protected at birth)							

## District coverage (as reported)

		2004	2003
Number of districts in country		1	
Percentage of districts reporting	100%		
	below 50%	0%	
DTP3: proportion of districts with coverage	between 50-79%	0%	
	at 80% or above	100%	
MCV: proportion of districts with coverage a	100%		
DTP1–DTP3 drop-out rate: proportion of dist have achieved a rate of less than 10%	100%		
Supply: any vaccine supply interruption?			
Safety: proportion of districts supplied with of autodisable (AD) syringes for all routine in			

DTaP	5 years	DTaPHibIPV	3, 5, 12 months
IPV	14 years	MenC_conj	6, 8 months
MMR	18 months: 12 years	Td	14 years

						2	004
Births						26,00	00,000
Surviving infant	s					24,30	07,000
Total population	١					1,087,12	24,000
Infant mortality	rate (per 1	1,000 live	births)				62
Under-five mort	Under-five mortality rate (per 1,000 live births)						85
Gross national income per capita (US\$)							620
Percentage of routine Expanded Programme on Immunization vaccines financed by government						100	
National co	verage	rates	(WHO/U	INICEF	estimates	, 2004)	
	2004	2003	2002	2001	2000	1990	1980
BCG	73%	73%	73%	73%	73%	66%	
DTP1	71%	71%	71%	71%	71%	88%	25%
DTP3	64%	64%	64%	64%	64%	70%	6%
HepB3							
MCV	56%	56%	56%	56%	56%	56%	
Pol3	70%	70%	70%	70%	70%	66%	2%
Hib3							
TT2+ (protected at birth)	80%	78%	78%	76%	74%		
District cov	erage (	as repo	rted)				
						2004	2003
Number of distr	icts in cou	ntry				594	587
Percentage of d	istricts rep	orting					
				below	50%		
DTP3: proportio	n of distri	cts with o	coverage	betwe	en 50-79%		
				at 80%	6 or above		
MCV: proportion	n of distric	ts with c	overage a	t 90% o	r above		
DTP1-DTP3 drop-out rate: proportion of districts that have achieved a rate of less than 10%							
Supply: any vac	cine supply	/ interrup	tion?			No	No
Safety: proporti of autodisable (							6%
Immunizati	on sch	edule					

BCG	birth	Measles	9-12 months
DTaP	6, 10, 14 weeks; 16-24 months	doses:	years; school-based school entry, middle
OPV	birth; 6, 10, 14 weeks; 16-24 months	leavin	ool entry and school g. Pregnant women: doses of TT for first
Vitamin A	9, 18, 24, 30, 36 months	, ,	ancy or subsequent ancy beyond 3 years
DT	5 years		dose for subsequent ncies within 3 years

## Indonesia

#### 2004

Births	4,513,000
Surviving infants	4,333,000
Total population	220,077,000
Infant mortality rate (per 1,000 live births)	30
Under-five mortality rate (per 1,000 live births)	38
Gross national income per capita (US\$)	1,140
Percentage of routine Expanded Programme on Immunization vaccines financed by government	80

## National coverage rates (WHO/UNICEF estimates, 2004)

	2004	2003	2002	2001	2000	1990	1980
BCG	82%	82%	82%	76%	78%	74%	61%
DTP1	88%	88%	88%	91%	91%	82%	
DTP3	70%	70%	70%	76%	75%	60%	
HepB3	75%	75%	67%	56%	65%		
MCV	72%	72%	72%	70%	72%	58%	
Pol3	70%	70%	70%	70%	67%	60%	
Hib3	•••						
TT2+ (protected at birth)	54%	51%	51%	51%	51%		

## District coverage (as reported)

		2004	2003
Number of districts in country		418	378
Percentage of districts reporting		99%	89%
	below 50%	5%	3%
DTP3: proportion of districts with coverage	between 50-79%	14%	14%
	at 80% or above	80%	72%
MCV: proportion of districts with coverage a	50%	43%	
DTP1–DTP3 drop-out rate: proportion of dist have achieved a rate of less than 10%	75%	74%	
Supply: any vaccine supply interruption?		Yes	No
Safety: proportion of districts supplied with of autodisable (AD) syringes for all routine in	100%	100%	

BCG	1 month
DTwP	2, 3, 4 months
OPV	birth; 1, 2, 3 months
Vitamin A	6-11, 12-59 months
DT	6 years; elementary

HepB	birth-2 mo	nths; 3, 4 months
TT	doses during	ars; adult doses: 2 g each pregnancy se in each subse- quent pregnancy
DTwP	Нер	2, 4, 3 months (subnational)

# Iran (Islamic Republic of)

Births Surviving infar Total populatio	nts					1,3 1,2	004 08,000 67,000 03,000
Infant mortality	rate (per	1,000 live	births)			, .	32 38
Under-five mor Gross national	income pe	er capita (L	JS\$)				2,300
Percentage of I							100
National c	overage	e rates (	(WHO/U	NICEF	estimates	, 2004)	
BCG	2004 99%	2003 99%	2002 99%	2001 93%	2000 99%	1990 95%	1980 7%
DTP1	99%	99%	99%	98%	99%	95%	7% 57%
DTP3	99%	99%	99%	96%	99%	91%	32%
HepB3	95%	98%	99%	94%	99%		
MCV	96%	99%	99%	96%	99%	85%	39%
Pol3	98%	99%	99%	95%	99%	90%	38%
Hib3							
TT2+ (protected at birth)							
District cov	verage	(as report	ted)				
Number of dist	ricts in co	untry				2004 314	2003 301
Percentage of o		-				100%	100%
				below	50%	0%	0%
DTP3: proportion	on of distr	icts with co	overage	betwe	en 50-79%	0%	0%
					6 or above	100%	100%
MCV: proportio	n of distri	cts with co	verage a	t 90% o	r above	100%	100%
DTP1-DTP3 dro have achieved				ricts tha	it	100%	100%
Supply: any vad	cine suppl	y interrupt	ion?			No	No
Safety: proport of autodisable	ion of dist	ricts suppl	ied with			100%	0%
Immunizat	ion sch	edule					
BCG		birth	רם	ΓwΡ	2, 4,	6, 18 m	
HepB birth	; 6 weeks;	9 months	Ŋ.A	MR		4-6 12, 18 m	years
OPV 1	bir 8 months;	th; 2, 4, 6, 4-6 years	To		every 10 y	ears; rep /ears - m	eated ilitary
					and pre	egnant w	omen

## Iraq

#### 2004

Births	972,000
Surviving infants	882,000
Total population	28,057,000
Infant mortality rate (per 1,000 live births)	102
Under-five mortality rate (per 1,000 live births)	125
Gross national income per capita (US\$)	2,170
Percentage of routine Expanded Programme on Immunization vaccines financed by government	100

## National coverage rates (WHO/UNICEF estimates, 2004)

	2004	2003	2002	2001	2000	1990	1980
BCG	93%	93%	93%	93%	93%	96%	76%
DTP1	93%	93%	93%	93%	93%	93%	36%
DTP3	81%	81%	81%	81%	81%	83%	14%
HepB3	70%	70%	70%	70%	67%		
MCV	90%	90%	90%	90%	90%	80%	9%
Pol3	87%	87%	87%	87%	87%	83%	16%
Hib3							
TT2+ (protected at birth)	70%	70%	70%	70%	70%	•••	

#### District coverage (as reported)

		2004	2003
Number of districts in country		110	
Percentage of districts reporting		100%	
	below 50%	15%	
DTP3: proportion of districts with coverage	between 50-79%	66%	
	at 80% or above	19%	
MCV: proportion of districts with coverage a	t 90% or above	28%	
DTP1-DTP3 drop-out rate: proportion of districts that have achieved a rate of less than 10%			
Supply: any vaccine supply interruption?	Yes		
Safety: proportion of districts supplied with sof autodisable (AD) syringes for all routine in	100%		

BCG	birth; 6 years if no scar	DTP	2, 4, 6, 18 months; 4-6 years
НерВ	birth; 2, 6 months	Measles	9 months
MMR	15 months; 6 years	OPV	birth; 2, 4, 6, 18 months; 4-6 years
Rubella	12 years; females	Td >	-6 years; specific groups
TT	on visit; +1, +6 months; +1 +1 year	Vitamin A	9, 18 months; 6 years

: - ! (	Births Surviving infants Total population Infant mortality ra Under-five morta Gross national in Percentage of rou mmunization vac	ate (per 1 lity rate ( come per	,000 live per 1,000 capita (l	births)  Dive birth  US\$)	ns)		4,08	004 63,000 63,000 5 6 34,280
	National cov	/erage	rates	(WHO/U	NICEF	estimates	, 2004)	
	BCG DTP1 DTP3 HepB3 MCV Pol3 Hib3 IT2+	2004 90% 96% 89%  81% 89% 	2003 90% 95% 85%  78% 86% 	2002 90% 95% 85%  76% 85% 83%	2001 90% 94% 84%  73% 84% 	2000 90% 95% 86%  77% 86% 82%	1990 84% 85% 65%  78% 81% 	1980  59% 34%  72% 
	protected at birth)							
	Diatriat agua	WO 010 /						
1	District cover Number of district Percentage of district DTP3: proportion	ets in cou etricts rep	ntry orting			. 50% een 50-79% 6 or above	2004 8 100% 0% 0% 100%	2003   0% 0% 100%
	Number of distric Percentage of dis	of districts rep of district of district out rate: rate of les ne supply	ntry orting ets with control proporti ss than 1 rinterrup icts supp	overage a on of dist 0% tion?	betwee at 80% t 90% o ricts that	een 50-79% 6 or above r above it	8 100% 0% 0%	 0% 0%
	Number of districe Percentage of disection of the DTP3: proportion DTP1-DTP3 dropenave achieved a subjection of the DTP1-DTP3 dropenave achieved as supply: any vaccions of the DTP1 of th	of districts rep of district of district out rate: rate of les ne supply n of distring	ntry orting  ets with control proporting ss than 1 rinterrup icts supp es for all	overage a on of dist 0% tion?	betwee at 80% t 90% o ricts that	een 50-79% 6 or above r above it	8 100% 0% 0% 100% 13% 	 0% 0% 100% 
	Number of districe Percentage of disection of the DTP3: proportion DTP1-DTP3 droppave achieved a supply: any vaccion fautodisable (A	of districts of districts of districts of districts out rate: rate of less on supply n of districts on scheme	ntry orting  ets with control proporting ss than 1 rinterrup icts supp es for all	coverage a on of dist 0% tion? lied with routine i	betwee at 80% t 90% o ricts that	een 50-79% 6 or above r above at nt number ations	8 100% 0% 0% 100% 13% 	 0% 0% 100% 
	Number of district Percentage of discontinuous proportion MCV: proportion DTP1-DTP3 drophave achieved a linguistry: proportion fautodisable (Ammunization)	of districts rep  of district  out rate: rate of les  ne supply n of distri D) syring  on sche	ntry orting ets with control proporting so than 1 rinterrup cicts supples for all	coverage a on of dist 0% tion?	betwee at 80% or ricts that sufficier mmuniz	een 50-79% 6 or above r above at nt number ations	8 100% 0% 0% 100% 13% Yes	0% 0% 100% onths

## Israel

#### 2004

Births	134,000
Surviving infants	133,000
Total population	6,601,000
Infant mortality rate (per 1,000 live births)	5
Under-five mortality rate (per 1,000 live births)	6
Gross national income per capita (US\$)	17,380
Percentage of routine Expanded Programme on Immunization vaccines financed by government	100

## National coverage rates (WHO/UNICEF estimates, 2004)

	2004	2003	2002	2001	2000	1990	1980
BCG							75%
DTP1	98%	98%	98%	98%	97%	97%	94%
DTP3	96%	95%	97%	95%	96%	93%	84%
HepB3	98%	95%	98%	96%	97%		
MCV	96%	95%	95%	94%	94%	91%	81%
Pol3	92%	93%	93%	92%	92%	93%	85%
Hib3	96%	96%	93%	93%	94%		
TT2+ (protected at birth)							

## District coverage (as reported)

Number of districts in sounts.		2004 15	2003
Number of districts in country		15	17
Percentage of districts reporting		100%	82%
	below 50%	0%	0%
DTP3: proportion of districts with coverage	between 50-79%	0%	0%
	at 80% or above	100%	82%
MCV: proportion of districts with coverage a	t 90% or above	100%	76%
DTP1–DTP3 drop-out rate: proportion of dist have achieved a rate of less than 10%	ricts that		
Supply: any vaccine supply interruption?		No	
Safety: proportion of districts supplied with sof autodisable (AD) syringes for all routine in		100%	82%

DT	pertu	2, 4, 12 months; if ssis contraindicated
DTaPHi	ibIPV	2, 4, 12 months
НерВ		birth; 1, 6 months
OPV	4, 6 m	onths; 1, 6, 13 years
Td		7, 13 years

DTaPHib	6 months
НерА	18, 24-30 months
MMR	12 months; 6 years
Pneumo_ps	>65 years

Births Surviving infant Total population Infant mortality Under-five mort Gross national in Percentage of re	rate (per 1 tality rate ( n.come per	,000 live per 1,000 capita (	births) D live birt US\$)	hs)		5: 5: 58,0:	004 31,000 28,000 33,000 4 5 26,120
National co	verage	rates	(WHO/L	JNICEF	estimates	, 2004)	
BCG DTP1 DTP3 HepB3 MCV Pol3 Hib3 TT2+	2004  98% 96% 95% 84% 97% 90%	2003  98% 96% 97% 83% 97% 95%	2002  98% 96% 97% 80% 97% 84%	2001  98% 96% 97% 77% 97% 	2000  98% 95% 97% 73% 97% 	1990  94% 83% 95% 43% 98% 	1980   
(protected at birth)							
Number of district covered by the percentage of description of the percentage of description of the percentage of description of the percentage of district covered by the percentage of the per	ricts in cou istricts rep on of district p-out rate: a rate of les cine supply on of distri	ntry orting ots with control of services with control of proportions than 1 interrup ots supp	coverage a	at 80% of tricts that sufficient	een 50-79% % or above r above at	2004 195   1% 	2003
Immunizati	on sche	dule					
living	nildren <5 y g with a co person, he 3, 5, 11-12 recomme	ntagious alth care workers months anded for	H H H		3, 5, 12-15 mont	, 11-12 m hs; 5-12 recommo	years onths years; ended
IPV	high-ris 3, 5, 11-12	k groups months 3 years	;	ip a	5	11-12 m -6, 11-15 11-12 m 5-6	years

# Jamaica

#### 2004

Births	52,000
Surviving infants	52,000
Total population	2,639,000
Infant mortality rate (per 1,000 live births)	17
Under-five mortality rate (per 1,000 live births)	20
Gross national income per capita (US\$)	2,900
Percentage of routine Expanded Programme on Immunization vaccines financed by government	100

## National coverage rates (WHO/UNICEF estimates, 2004)

	2004	2003	2002	2001	2000	1990	1980
BCG	85%	88%	90%	96%	94%	98%	38%
DTP1	86%	91%	86%	96%	87%	95%	48%
DTP3	77%	81%	86%	90%	86%	86%	24%
HepB3	77%	19%					
MCV	80%	78%	86%	85%	88%	74%	
Pol3	71%	81%	86%	91%	86%	87%	34%
Hib3	77%	19%	7%	3%			
TT2+ (protected at birth)							

#### District coverage (as reported)

N. J. Giberra		2004	2003
Number of districts in country		13	13
Percentage of districts reporting		100%	100%
	below 50%	0%	0%
DTP3: proportion of districts with coverage	between 50-79%	62%	31%
	at 80% or above	38%	69%
MCV: proportion of districts with coverage a	t 90% or above	23%	8%
DTP1-DTP3 drop-out rate: proportion of dist have achieved a rate of less than 10%	0%	89%	
Supply: any vaccine supply interruption?	Yes	Yes	
Safety: proportion of districts supplied with of autodisable (AD) syringes for all routine in		0%	

BCG	birth; or 6 weeks	DTwP	6 weeks; 3, 5,
5			18 months; 4-6 years
НерВ	6 weeks; 3, 5 months; adult and other children	Hib	6 weeks; 3, 5 months
MMR	12 months; 4-6 years	OPV	6 weeks; 3, 5,
Td	1st contact pregnancy;		18 months; 4-6 years
	+1, +6 months; +1, +1 year;		
	antenatal clinics, other	Yellow Fever	>1 year
С	hildren and adults as needed		(subnational)

Births Surviving infar Total populatio Infant mortalit Under-five mo	nts on y rate (per	1,000 live	births)			1,10 1,10	004 69,000 65,000 23,000 3
Gross national	•	•				;	<del>4</del> 37,180
Percentage of Immunization	routine Ex	panded P	rogramr	ne on			100
National c	overage	e rates	(WHO	UNICEF	estimates	, 2004)	
BCG	2004	2003	2002	2001	2000	1990 85%	1980
DTP1	99%	99%	98%	98%	99%	96%	82%
DTP3	99%	97%	96%	95%	85%	90%	60%
HepB3							
MCV	99%	99%	99%	98%	96%	73%	69%
Pol3	97%	97%	89%	81%	99%	90%	•••
Hib3	•••	•••		•••	•••		•••
TT2+ (protected at birth)			•••	•••		•••	
District co	verage	(as repo	rted)				
Number of dis						2004 3,099	2003 47
Percentage of	districts re	porting				100%	100%
				belov	<b>50</b> %		
DTP3: proporti	on of distr	icts with o	coverage	betwe	en 50-79%		0%
				at 809	% or above		0%
MCV: proportion	on of distri	cts with c	overage	at 90% o	r above		0%
DTP1-DTP3 dr have achieved				stricts tha	at		0%
Supply: any va	ccine supp	ly interrup	otion?			No	No
Safety: propor of autodisable							
Immunizat	tion sch	edule					
BCG	<	<6 months	s	DT		11-12	years
DTaP		6-90, 9-90	'	Influenza		≥65	years
	15-9	00 months	S	OPV	3-90 mg	nths (2 c	loses)
Measles	12-9	00 months				nths (2 d	oses):
Rubella	12-9	90 months				months	9-13,

## Jordan

#### 2004

Births	150,000
Surviving infants	146,000
Total population	5,561,000
Infant mortality rate (per 1,000 live births)	23
Under-five mortality rate (per 1,000 live births)	27
Gross national income per capita (US\$)	2,140
Percentage of routine Expanded Programme on Immunization vaccines financed by government	100

## National coverage rates (WHO/UNICEF estimates, 2004)

	2004	2003	2002	2001	2000	1990	1980
BCG	58%	67%	29%				
DTP1	96%	98%	96%	99%	97%	97%	55%
DTP3	95%	97%	95%	99%	91%	92%	30%
HepB3	95%	97%	95%	97%	93%		
MCV	99%	96%	95%	99%	94%	87%	29%
Pol3	95%	97%	95%	97%	94%	92%	32%
Hib3	95%	97%	95%	59%			
TT2+ (protected at birth)	•••					•••	

#### District coverage (as reported)

		2004	2003
Number of districts in country		20	20
Percentage of districts reporting		100%	100%
	below 50%	0%	0%
DTP3: proportion of districts with coverage	between 50-79%	5%	0%
	at 80% or above	95%	100%
MCV: proportion of districts with coverage a	90%	75%	
DTP1–DTP3 drop-out rate: proportion of dist have achieved a rate of less than 10%	ricts that	100%	0%
Supply: any vaccine supply interruption?			Yes
Safety: proportion of districts supplied with of autodisable (AD) syringes for all routine in			

BCG	birth	DTwF	n 18 months
DTwPHibHep	2, 3, 4 months	Measles	9 months
MMR	18 months	OPV	2, 3, 4, 9, 18 months;
Rubella	17-18 years; 11th,		6 years
12th gr	ade of school (girls)	Td	6, 10 years; 1st and
TT	1st, 2nd, 3rd, 4th		10th grades of school
	pregnancies	Yellow Fever	travellers
Hib 2, 3	, 4 months; with DT		

BirthsSurviving infa Total populati Infant mortali Under-five mo Gross nationa Percentage of Immunization	ants	1,000 live (per 1,000 er capita (l panded Pr nanced by	births) live birt US\$) ogramm governn	hs) e on		2: 2: 14,8:	004 37,000 23,000 39,000 63 73 2,260
National	coverage	rates	(WHO/L	JNICEF	estimates	, 2004)	
	2004	2003	2002	2001	2000	1990	1980
BCG	65%	99%	99%	96%	98%		
DTP1	85%	99%	95%	98%	97%		
DTP3	82%	99%	95%	96%	97%		
HepB3	99%	99%	95%	96%	99%		
MCV	99%	99%	95%	96%	99%		
Pol3	99%	99%	95%	96%	97%		
Hib3					•••		•••
TT2+ (protected at birth)							•••
District co	overage	as repor	ted)				
						2004	2003
Number of di	stricts in cou	untry				160	162
Percentage of	f districts re	porting				100%	100%
				below	/ 50%	0%	0%
DTP3: propor	tion of distri	cts with c	overage	betwe	en 50-79%	50%	0%
			Ü	at 809	% or above	50%	100%
MCV: proport	ion of distric	ate with or	worago (	_ o+ 00% o	rahovo	98%	100%
DTP1-DTP3 d			•			3070	100 /6
have achieved				trioto tric	••	100%	0%
Supply: any v	accine suppl	y interrup	tion?			Yes	No
Safety: propo of autodisable	rtion of dist	ricts supp	lied with				
I	diam ash	م ایرام					
lmmuniza	ation scn	eaule					
BCG	birth; 6	, 12 years	D	ip		12	years
DT		6 years	D	TwP	2, 3	, 4, 18 m	onths
НерВ	,						years
MR	15	5-25 years	N	lumps		1. 12	years
		,		•			years
OPV birth; 2, 3, 4 months Td							years

## Kenya

#### 2004

Births	1,322,000
Surviving infants	1,234,000
Total population	33,467,000
Infant mortality rate (per 1,000 live births)	79
Under-five mortality rate (per 1,000 live births)	120
Gross national income per capita (US\$)	460
Percentage of routine Expanded Programme on Immunization vaccines financed by government	5

#### National coverage rates (WHO/UNICEF estimates, 2004)

	2004	2003	2002	2001	2000	1990	1980
BCG	87%	87%	87%	88%	90%	92%	
DTP1	72%	89%	89%	89%	89%	92%	
DTP3	73%	73%	72%	74%	75%	84%	
HepB3	73%	73%	72%				
MCV	73%	72%	72%	73%	75%	78%	
Pol3	73%	75%	72%	72%	71%	84%	
Hib3	73%	73%	72%				
TT2+ (protected at birth)	70%	66%	60%	54%	54%		

#### District coverage (as reported)

		2004	2003
Number of districts in country		78	78
Percentage of districts reporting	100%	100%	
	below 50%	4%	6%
DTP3: proportion of districts with coverage	between 50-79%	51%	56%
	at 80% or above	45%	37%
MCV: proportion of districts with coverage a	t 90% or above	9%	13%
DTP1–DTP3 drop-out rate: proportion of dist have achieved a rate of less than 10%	46%	26%	
Supply: any vaccine supply interruption?	Yes	Yes	
Safety: proportion of districts supplied with a of autodicable (AD) syringes for all routine in	100%	100%	

BCG	birth	DTwPHibHep	6, 10, 14 weeks
Measles	9 months	OPV	birth; 6, 10, 14 weeks
TT	1st contact pregnancy; +1 month; 2nd, 3rd,	Vitamin A	9, 12, 18, 24, 30, 36 months
	4th pregnancies	Yellow Fever	9 months (subnational)

						2	004
Births							2,000
Surviving infan	ts						0
Total population						9	97,000
Infant mortality	•						49
Under-five mor	•	•					65
							970
Percentage of routine Expanded Programme on Immunization vaccines financed by government							100
National coverage rates (WHO/UNICEF estimates, 2004)							
	2004	2003	2002	2001	2000	1990	1980
BCG	94%	97%	99%	85%	80%	93%	66%
DTP1	75%	87%	99%	85%	95%	98%	68%
DTP3	62%	91%	99%	85%	90%	97%	43%
HepB3	67%	83%	99%	85%	90%	73%	
MCV	56%	72%	88%	76%	80%	75%	
Pol3	61%	79%	96%	88%	90%	97%	10%
Hib3							
TT2+ (protected at birth)							
District cov	verage (	as repor	ted)				
						2004	2003
Number of dist	ricts in cou	ıntry				6	
Percentage of d	listricts rep	oorting				0%	
				below	50%		
DTP3: proportion	on of distri	cts with c	overage	betwe	en 50-79%		
				at 80%	6 or above		
MCV: proportio			•				
DTP1–DTP3 dro have achieved a				ricts tha	it		
Supply: any vac	cine suppl	y interrup	tion?				
Safety: proporti							
of autodisable (	AD) syring	ges for all	routine i	mmuniz	ations		
Immunizati	ion sch	edule					
BCG		birth	D	TwP	6	6, 10, 14 v	weeks
НерВ	birth; 6,	14 weeks	M	IR		12 m	onths
OPV birth; 6, 10, 14 weeks TT						5, 12	years

Vitamin A

6, 12-59 months

## Korea, Democratic People's Republic of

#### 2004

Births	349,000
Surviving infants	334,000
Total population	22,384,000
Infant mortality rate (per 1,000 live births)	42
Under-five mortality rate (per 1,000 live births)	55
Gross national income per capita (US\$)	-
Percentage of routine Expanded Programme on Immunization vaccines financed by government	80

#### National coverage rates (WHO/UNICEF estimates, 2004)

	2004	2003	2002	2001	2000	1990	1980
BCG	95%	88%	96%	82%	78%	99%	50%
DTP1	75%	70%	65%	91%	82%	98%	74%
DTP3	72%	68%	64%	62%	56%	98%	50%
HepB3	98%						
MCV	95%	95%	98%	92%	78%	98%	29%
Pol3	99%	99%	99%	98%	93%	99%	50%
Hib3							
TT2+ (protected at birth)							

#### District coverage (as reported)

		2004	2003
Number of districts in country		204	206
Percentage of districts reporting		100%	100%
	below 50%	0%	0%
DTP3: proportion of districts with coverage	between 50-79%	100%	100%
	at 80% or above	0%	0%
MCV: proportion of districts with coverage a	100%	100%	
DTP1–DTP3 drop-out rate: proportion of dist have achieved a rate of less than 10%	100%	100%	
Supply: any vaccine supply interruption?		No	No
Safety: proportion of districts supplied with a of autodisable (AD) syringes for all routine in	100%	100%	

BCG	+1 week after birth	DTwP	1.5, 2.5, 3.5 months
НерВ	+1 week after birth;	Measles	9 months
OPV	1.5, 3.5 months 1.5, 2.5, 3.5 months	TT	grade 3, grade 4; school dose. Also adult doses:
Vitamin A	6-59 months	an	during each pregnancy, women get 2 doses (at 3

						2	004
Births							67,000
Surviving infan							66,000
Total population	n					47,6	45,000
Infant mortality	rate (per	1,000 live l	births)				5
Under-five mor	tality rate	(per 1,000	live birth	ns)			6
Gross national	Gross national income per capita (US\$)						
	Percentage of routine Expanded Programme on Immunization vaccines financed by government						100
National co	overag	e rates (	WHO/U	NICEF 6	estimates	, 2004)	
	2004	2003	2002	2001	2000	1990	1980
BCG	93%	87%	89%	89%	73%	72%	
DTP1	95%	97%	97%	99%	97%	90%	
DTP3	88%	97%	97%	99%	97%	74%	
HepB3	92%	91%	92%	89%	93%		
MCV	99%	96%	97%	97%	95%	93%	4%
Pol3	90%	94%	99%	98%	99%	74%	
Hib3							
TT2+ (protected at birth)							
District cov	/erage	(as report	ted)				
						2004	2003
Number of dist	ricts in co	untry				246	244
Percentage of c	districts re	porting				100%	100%
				below	50%	0%	0%
DTP3: proportio	on of distr	icts with co	overage	betwee	en 50-79%	0%	0%
				at 80%	or above	100%	100%
MCV: proportio	n of distri	cts with co	verage a	└ t 90% or	above	100%	100%
DTP1-DTP3 dro have achieved				ricts that		100%	100%
Cupply ony yea	oino ounn	ly interrupti	ion?			No	No
Supply: any vac Safety: proport				cufficion	t number	INO	NO
of autodisable							
<b>Immunizat</b>	ion sch	edule					
BCG		birth	D1	taP	2, 4, 6,	15-18 m	
НерВ	birth; 1, 2	-6 months	In	fluenza			years y year
high-					gh-risk g		
IPV	2, 4, 6-1	8 months; 4-6 years	М	MR		12-15 m	
OPV 2, 4, 6 months; 4-6 years						4-6	years

### **Kuwait**

#### 2004

Births	50,000
Surviving infants	49,000
Total population	2,606,000
Infant mortality rate (per 1,000 live births)	10
Under-five mortality rate (per 1,000 live births)	12
Gross national income per capita (US\$)	16,340
Percentage of routine Expanded Programme on Immunization vaccines financed by government	100

#### National coverage rates (WHO/UNICEF estimates, 2004)

	2004	2003	2002	2001	2000	1990	1980
BCG							
DTP1	99%	99%	99%	99%	98%	88%	86%
DTP3	98%	99%	99%	99%	98%	71%	67%
HepB3	94%	99%	99%	99%	95%		
MCV	97%	97%	97%	99%	99%	66%	48%
Pol3	98%	99%	99%	99%	94%	71%	70%
Hib3	98%	99%	99%	99%	98%		
TT2+ (protected at birth)							

#### District coverage (as reported)

		2004	2003
Number of districts in country		109	
Percentage of districts reporting			
	below 50%	0%	
DTP3: proportion of districts with coverage	between 50-79%	0%	
	at 80% or above	58%	
MCV: proportion of districts with coverage a	t 90% or above	53%	
DTP1-DTP3 drop-out rate: proportion of dist have achieved a rate of less than 10%	100%		
Supply: any vaccine supply interruption?	No		
Safety: proportion of districts supplied with a of autodisable (AD) syringes for all routine in			

BCG	3.5 years	DTPHib	2, 4, 6, 18 months
DTwP	3.5 years	НерВ	birth; 2, 6 months
MMR	1, 3.5 years	OPV	birth; 2, 4, 6, 18 months; 3.5 years
Rubella	12 years; girls only	Td	10-18 years
Yellow Fever	travellers		

							2	004
Births							. 1	16,000
Surviving infants								09,000
	Total population	١					. 5,2	04,000
	Infant mortality	rate (per	1,000 live	births)				58
	Under-five mort	tality rate	(per 1,000	0 live b	irths)			68
	Gross national i	ncome pe	er capita (	(US\$)				400
	Percentage of ro Immunization va							22
	National co	verage	e rates	(WHC	/UNICE	F estimate	es, 2004)	
		2004	2003	2002	2001	2000	1990	1980
	BCG	98%	99%	99%	99%	96%		
	DTP1	99%	99%	99%	99%	99%		
	DTP3	99%	98%	98%	99%	99%		
	HepB3	99%	99%	99%	57%	44%		
	MCV	99%	99%	98%	99%	98%		
	Pol3	98%	98%	99%	99%	99%		
	Hib3							
	TT2+ (protected at birth)							
	District cov	erage	(as repo	rted)				
							2004	2003
	Number of distr	ricts in co	untry				52	52
	Percentage of d	istricts re	porting				100%	100%
					bel	ow 50%	0%	0%
	DTP3: proportio	n of distr	icts with	coveraç	je bet	ween 50-799	% 0%	0%
					at 8	80% or abov	e 100%	100%
	MCV: proportion	o of distri	oto with o	ovorac	_ o at 00%	or above	100%	100%
	DTP1-DTP3 dro			_			100 /6	100 /6
	have achieved a				113111013	inat	100%	100%
	Supply: any vac	cine suppl	ly interrup	otion?			No	No
	Safety: proporti of autodisable (							100%
	Immunizati	on sch	edule					
	BCG		birth	n	DT		6	years
	DTaP	2, 3.5,	5 months	;	НерВ	bi	rth; 2, 5 m	onths
	-	,/	2 years		MR	۵.		years
	MMR	1	12 months	s		-		
	OPV	bi	rth; 2, 3.5 5 months		Td	1	1, 16, 26, 3 56	36, 46, years

## Lao People's Democratic Republic

#### 2004

Births	204,000
Surviving infants	186,000
Total population	5,792,000
Infant mortality rate (per 1,000 live births)	65
Under-five mortality rate (per 1,000 live births)	83
Gross national income per capita (US\$)	390
Percentage of routine Expanded Programme on Immunization vaccines financed by government	0

#### National coverage rates (WHO/UNICEF estimates, 2004)

	2004	2003	2002	2001	2000	1990	1980
BCG	60%	65%	65%	60%	69%	26%	
DTP1	66%	72%	65%	60%	83%	41%	
DTP3	45%	50%	55%	40%	53%	18%	
HepB3	45%	50%					
MCV	36%	42%	55%	50%	42%	32%	
Pol3	46%	52%	55%	55%	57%	26%	
Hib3							
TT2+ (protected at birth)	30%	36%	35%	33%	37%		

#### District coverage (as reported)

		2004	2003
Number of districts in country		142	142
Percentage of districts reporting	100%	100%	
	below 50%	58%	61%
DTP3: proportion of districts with coverage	between 50-79%	35%	19%
	at 80% or above	7%	20%
MCV: proportion of districts with coverage a	1%	4%	
DTP1–DTP3 drop-out rate: proportion of dist have achieved a rate of less than 10%	10%	10%	
Supply: any vaccine supply interruption?		No	
Safety: proportion of districts supplied with of autodisable (AD) syringes for all routine in		63%	

BCG	birth	НерВ	birth
Measles	9 months	OPV	6, 10, 14 weeks
Vitamin A	6, 12, 18, 24, 30, 36 months	DTwPHep	6, 10, 14 weeks (subnational)

							2	004	
Births								21,000	
Surviving infants							:	20,000	
	Total population							18,000	
	Infant mortality	y rate (per 1	,000 live	births)				10	
	Under-five mo							12	
	Gross national	•	•					5,460	
	Percentage of Immunization v			0				100	
	National c	overage	rates	(WHO/L	JNICEF	estimates	s, 2004)		
		2004	2003	2002	2001	2000	1990	1980	
	BCG	99%	99%	99%	99%	99%			
	DTP1	99%	99%	99%	99%	98%		•••	
	DTP3	98%	98%	97%	97%	97%	•••		
	HepB3	99%	98%	98%	96%	95%	•••		
	MCV	99%	99%	98%	98%	97%		•••	
	Pol3	97%	98%	98%	97%	96%		•••	
	Hib3	95%	92%	87%	84%	75%		•••	
	TT2+ (protected at birth)	•••	•••		•••	•••			
	District co	verage (a	as repoi	rted)					
							2004	2003	
	Number of dist	tricts in cou	ntry				33	33	
	Percentage of	districts rep	orting				100%	100%	
					below	50%	0%	0%	
	DTP3: proporti	on of distric	ts with o	overage	betwe	en 50-79%	0%	0%	
					at 80%	% or above	100%	100%	
	MCV: proportion	on of district	s with c	overage a	_ nt 90% o	r above	100%	100%	
	DTP1-DTP3 dro	op-out rate:	proporti	on of dis	tricts tha	nt			
	have achieved	a rate of les	s than 1	0%			97%	20%	
	Supply: any vad	ccine supply	interrup	tion?			No	No	
	Safety: proport of autodisable								
	Immunizat	ion sche	dule						
	BCG		birth	ı   D	Т		7	years	
,						•			
-,,									
HepB birth; 1, 6-8 months Hib 3, 4.5						, 4.5, 6 m	onths		
	MMR	15 months	; 7 years	s 0	PV	18 mont	hs; 7, 14:	years	
	<b>-</b> .	4.4	1 1 10			•	4 - 0	1	

IPV

3, 4.5, 6 months

14 years; and adults

Td

## Lebanon

#### 2004

Births	66,000
Surviving infants	65,000
Total population	3,540,000
Infant mortality rate (per 1,000 live births)	27
Under-five mortality rate (per 1,000 live births)	31
Gross national income per capita (US\$)	4,980
Percentage of routine Expanded Programme on Immunization vaccines financed by government	100

#### National coverage rates (WHO/UNICEF estimates, 2004)

	2004	2003	2002	2001	2000	1990	1980
BCG							
DTP1	98%	98%	98%	95%	93%	94%	17%
DTP3	92%	92%	92%	93%	90%	82%	0%
HepB3	88%	88%	88%	70%	70%		
MCV	96%	96%	96%	94%	90%	61%	0%
Pol3	92%	92%	92%	93%	90%	82%	0%
Hib3	92%	92%					
TT2+ (protected at birth)							

#### District coverage (as reported)

		2004	2003
Number of districts in country		25	26
Percentage of districts reporting	100%	100%	
	below 50%		0%
DTP3: proportion of districts with coverage	between 50-79%		0%
	at 80% or above		100%
MCV: proportion of districts with coverage a	t 90% or above		100%
DTP1–DTP3 drop-out rate: proportion of dist have achieved a rate of less than 10%		100%	
Supply: any vaccine supply interruption?	Yes	No	
Safety: proportion of districts supplied with of autodisable (AD) syringes for all routine in	100%		

DTwP	4-5 years	DTwPHib	2, 3, 4, 15-18 months
НерВ	birth; 1, 4 months	MMR	13 months; 4-5 years
OPV	2, 3, 4, 15-18 months; 4-5, 10-12 years	Td	10-12 years

						2	004
Births						!	50,000
Surviving infants							47,000
Total popul	ation					1,79	98,000
Infant mort	Infant mortality rate (per 1,000 live births)						61
Under-five	mortality rate (¡	oer 1,000	live bi	rths)			82
Gross natio	nal income per	capita (	US\$)				740
Percentage of routine Expanded Programme on Immunization vaccines financed by government							10
Nationa	l coverage	rates	(WHO	/UNICEF	estimates	, 2004)	
	2004	2003	2002	2001	2000	1990	1980
BCG	83%	83%	83%	83%	88%	97%	81%
DTP1	83%	83%	83%	83%	87%	91%	75%
DTP3	78%	78%	78%	78%	82%	76%	56%
HepB3	67%						
MCV	70%	70%	70%	70%	74%	80%	49%
Pol3	78%	78%	78%	78%	81%	76%	56%
Hib3							
TT2+ (protected at bir	th)	•••					•••
District	coverage (a	as repoi	rted)				
						2004	2003
Number of	districts in cou	ntry				19	19
Percentage	of districts rep	orting				100%	100%
				belov	v 50%	11%	37%
DTP3: prop	ortion of distric	ts with o	overag	e betwe	en 50-79%	63%	42%
				at 809	% or above	26%	21%
MCV: propo	ortion of district	s with c	overage	e at 90% c	r above	11%	11%
	drop-out rate:			istricts th	at	4000/	700/
have achiev	ed a rate of les	s than 1	0%			100%	79%
Supply: any	vaccine supply	interrup	tion?			Yes	No
	portion of distri ble (AD) syring					100%	100%
lmmuni	zation sche	dule					
BCG		birth	ı	DT		18 m	onths
DTwP	6, 10, 1	14 weeks	;	НерВ	6	5, 10, 14 v	weeks
Measles	9, 18	months	,	OPV	birth; 6	5, 10, 14 v	weeks
ТТ	1st contact pre +4 weeks; +6 +1		;				

## Liberia

#### 2004

Births	164,000
Surviving infants	141,000
Total population	3,241,000
Infant mortality rate (per 1,000 live births)	157
Under-five mortality rate (per 1,000 live births)	235
Gross national income per capita (US\$)	110
Percentage of routine Expanded Programme on Immunization vaccines financed by government	0

#### National coverage rates (WHO/UNICEF estimates, 2004)

	2004	2003	2002	2001	2000	1990	1980
BCG	60%	43%	67%	77%	79%		
DTP1	48%	49%	67%	79%	78%		
DTP3	31%	38%	51%	62%	55%		
HepB3							
MCV	42%	53%	57%	78%	52%		
Pol3	33%	39%	50%	61%	59%		
Hib3							
TT2+ (protected at birth)	35%	40%	46%	51%	56%		

### District coverage (as reported)

		2004	2003	
Number of districts in country		15	15	
Percentage of districts reporting		67%	100%	
	below 50%	53%	93%	
DTP3: proportion of districts with coverage	between 50-79%	13%	7%	
	at 80% or above	0%	0%	
MCV: proportion of districts with coverage a	7%	7%		
DTP1–DTP3 drop-out rate: proportion of dist have achieved a rate of less than 10%	40%	0%		
Supply: any vaccine supply interruption?		No	No	
Safety: proportion of districts supplied with sufficient number of autodisable (AD) syringes for all routine immunizations 100%				

BCG	birth	DTwP	6, 10, 14 weeks
Measles	9 months	OPV	birth; 6, 10, 14 weeks
ТТ	1st contact pregnancy; +1, +6 months; +1, +1 year	Vitamin A	6-11 months
Yellow Feve	er 9 months		

# Libyan Arab Jamahiriya

BirthsSurviving infa Total population Infant mortalit Under-five mon Gross nationa Percentage of Immunization	nts ony rate (per rtality rate I income per routine Ex	1,000 live (per 1,000 er capita (l	births).  Dive bir  US\$)	ths)		1; 1;	004 33,000 31,000 40,000 18 20 
National o						2004)	
BCG DTP1 DTP3 HepB3 MCV Pol3 Hib3 TT2+	2004 99% 99% 97% 99% 99% 97%	2003 99% 98% 95% 95% 95% 95%	2002 99% 97% 93% 91% 91% 93%	2001 99% 96% 94% 93% 93% 94%	2000 97% 97% 94% 92% 92% 94%	1990 90% 94% 84%  89% 84%	1980 88% 82% 60%  61% 60%
(protected at birth)		,	. D				
Number of districts in country  Percentage of districts reporting  DTP3: proportion of districts with coverage    below 50%   30						2004 35 100% 3% 17% 80% 71% Yes	2003
Immuniza	tion sch	edule					
BCG DTwP Measles MMR	6, 10, 14,	n; 12 years 18 weeks 8 months	; l	OT HepB MenAC OPV	birth; 6 we	eks; 8 m	years
TT		12 years	;		18 m	onths; 6	years

## Lithuania

#### 2004

Births	31,000
Surviving infants	30,000
Total population	3,443,000
Infant mortality rate (per 1,000 live births)	8
Under-five mortality rate (per 1,000 live births)	8
Gross national income per capita (US\$)	5,740
Percentage of routine Expanded Programme on Immunization vaccines financed by government	100

#### National coverage rates (WHO/UNICEF estimates, 2004)

	2004	2003	2002	2001	2000	1990	1980
BCG	99%	99%	99%	99%	99%		
DTP1	94%	98%	98%	98%	99%		
DTP3	94%	94%	95%	95%	94%		
HepB3	94%	95%	94%	95%	99%		
MCV	98%	98%	98%	97%	97%		
Pol3	90%	91%	97%	97%	92%		
Hib3	35%	10%	5%	4%	2%		
TT2+ (protected at birth)							

#### District coverage (as reported)

Number of districts in country		2004 52	2003 52	
Percentage of districts reporting		100%	100%	
	below 50%	0%	0%	
DTP3: proportion of districts with coverage	between 50-79%	0%	2%	
	at 80% or above	100%	98%	
MCV: proportion of districts with coverage a	rage at 90% or above 96% S			
DTP1–DTP3 drop-out rate: proportion of dist have achieved a rate of less than 10%	98%	94%		
Supply: any vaccine supply interruption?		No	No	
Safety: proportion of districts supplied with sufficient number of autodisable (AD) syringes for all routine immunizations 100%				

BCG	birth	DT	6 years
DTwPHibIPV	2, 4, 6 months	DTwPIPV	18 months
НерВ	birth; 1, 6 months or 12 years (3 doses)	MMR	15 months; 6-12 years
OPV	6, 12 years	Td	15 years

# Luxembourg

						2	004
Births							6,000
Surviving infan	ts						6,000
Total population	n					4	59,000
Infant mortality rate (per 1,000 live births)							5
Under-five mor	tality rate (	per 1,000	0 live birt	hs)			6
Gross national	income pe	r capita (	US\$)			į	56,230
Percentage of re Immunization v							-
National co	overage	rates	(WHO/L	JNICEF	estimates	, 2004)	
	2004	2003	2002	2001	2000	1990	1980
BCG							
DTP1	98%	98%	98%	98%	98%	96%	
DTP3	98%	98%	98%	98%	98%	90%	
HepB3	49%	49%	49%	49%	49%		
MCV	91%	91%	91%	91%	91%	80%	
Pol3	98%	98%	98%	98%	98%	90%	
Hib3	86%	86%	86%	86%	86%		
TT2+ (protected at birth)							
District cov	verage (	as repo	rted)				
						2004	2003
Number of dist	ricts in cou	ntry					
Percentage of d	listricts rep	orting					
				belov	v 50%		
DTP3: proportio	on of distric	ts with o	coverage	betwe	een 50-79%		
				at 809	% or above		
MCV: proportio	n of distric	ts with c	overage a	at 90% o	r above		
DTP1-DTP3 dro				tricts tha	at		
have achieved a	a rate of les	ss than 1	10%				•••
Supply: any vac	cine supply	interrup	tion?				
Safety: proporti of autodisable (							
Immunizati	ion sche	edule					
	1011 00110						
BCG		birth	n D	TaPHibl	PV 4	, 6, 12 m	onths

НерВ

MMR

1, 4, 12 months

15 months; 5 years

IPV

Td

12 years

12 years

## Madagascar

#### 2004

Births	704,000
Surviving infants	650,000
Total population	18,113,000
Infant mortality rate (per 1,000 live births)	76
Under-five mortality rate (per 1,000 live births)	123
Gross national income per capita (US\$)	300
Percentage of routine Expanded Programme on Immunization vaccines financed by government	0

### National coverage rates (WHO/UNICEF estimates, 2004)

	2004	2003	2002	2001	2000	1990	1980
BCG	72%	72%	72%	72%	72%	67%	21%
DTP1	71%	71%	72%	72%	73%	71%	
DTP3	61%	61%	60%	58%	57%	46%	
HepB3	61%	61%					
MCV	59%	59%	58%	57%	56%	47%	
Pol3	63%	63%	62%	61%	59%	46%	
Hib3							
TT2+ (protected at birth)	55%	55%	55%	55%	55%		

#### District coverage (as reported)

		2004	2003
Number of districts in country		111	111
Percentage of districts reporting		100%	100%
	below 50%	26%	14%
DTP3: proportion of districts with coverage	between 50-79%	33%	28%
	at 80% or above	41%	58%
MCV: proportion of districts with coverage a	t 90% or above	23%	47%
DTP1–DTP3 drop-out rate: proportion of dist have achieved a rate of less than 10%	ricts that	32%	34%
Supply: any vaccine supply interruption?		Yes	No
Safety: proportion of districts supplied with of autodisable (AD) syringes for all routine in		92%	92%

BCG	birth	DTPHep	6, 10, 14 weeks
Measles	9 months	OPV	birth; 6, 10, 14 weeks
TT	1st contact pregnancy; +1, +6 months; +1, +1 year	Vitamin A	9, 15, 21, 27, 31, 39 months

						2	004
Births						5	50,000
Surviving infants						49	90,000
Total population						12,60	000,80
Infant mortality rate (per 1,000 live births)							110
Under-five mortality rate (per 1,000 live births)						175	
Gross national	income pe	er capita (	US\$)				170
Percentage of r Immunization v							
immunization v	accines in	ianced by	governin	ieiit			
National co	overage	rates	(WHO/L	INICEF	estimates	, 2004)	
	2004	2003	2002	2001	2000	1990	1980
BCG	97%	91%	78%	93%	83%	97%	
DTP1	99%	99%	94%	99%	98%	95%	80%
DTP3	89%	84%	64%	90%	75%	87%	58%
HepB3	89%	84%	64%				
MCV	80%	77%	69%	82%	73%	81%	49%
Pol3	94%	85%	79%	86%	73%	93%	28%
Hib3	89%	84%	64%				
TT2+	70%	70%	70%	70%	70%		
(protected at birth)							
District cov	/erage	(as repo	rted)				
						2004	2003
Number of dist	ricts in cou	untry				26	26
Percentage of o	listricts re <sub>l</sub>	porting				100%	92%
				below	50%	0%	0%
DTP3: proportion	on of distri	icts with o	coverage	betwe	en 50-79%	15%	29%
				at 80%	6 or above	85%	64%
MCV: proportio	n of distric	cts with c	overage a	it 90% o	r above	23%	15%
DTP1-DTP3 dro				ricts tha	it		
have achieved	a rate of le	ess than 1	10%			12%	19%
Supply: any vac	cine suppl	y interrup	tion?			No	No
Safety: proport						4000/	000/
of autodisable	(AD) syring	yes for al	i routine i	ınmunız	ations	100%	93%
lmmunizat	ion sch	edule					
200		1.1.11		TD1111 / :		40.4:	

birth

9 months

CBAW (15-45 years) and

+1, +6 months; +1, +1 year

1st contact pregnancy;

DTPHibHep

Vitamin A

OPV

BCG

TT

Measles

1	$\sim$	1
- 1	u	. 5

42 months

6, 10, 14 weeks

birth; 6, 10, 14 weeks

6, 12, 18, 24, 30, 36,

## Malaysia

#### 2004

Births	549,000
Surviving infants	544,000
Total population	24,894,000
Infant mortality rate (per 1,000 live births)	10
Under-five mortality rate (per 1,000 live births)	12
Gross national income per capita (US\$)	4,650
Percentage of routine Expanded Programme on Immunization vaccines financed by government	100

#### National coverage rates (WHO/UNICEF estimates, 2004)

	2004	2003	2002	2001	2000	1990	1980
BCG	99%	99%	99%	99%	99%	99%	94%
DTP1	99%	98%	98%	98%	98%	96%	86%
DTP3	99%	96%	96%	97%	95%	90%	67%
HepB3	95%	95%	95%	95%	94%	86%	
MCV	95%	92%	92%	92%	88%	70%	
Pol3	95%	97%	97%	97%	95%	90%	67%
Hib3	99%	96%					
TT2+ (protected at birth)							

#### District coverage (as reported)

		2004	2003
Number of districts in country		122	120
Percentage of districts reporting			100%
	below 50%		0%
DTP3: proportion of districts with coverage	between 50-79%		0%
	at 80% or above		100%
MCV: proportion of districts with coverage a	t 90% or above		97%
DTP1–DTP3 drop-out rate: proportion of dist have achieved a rate of less than 10%	ricts that		98%
Supply: any vaccine supply interruption?		No	No
Safety: proportion of districts supplied with a of autodisable (AD) syringes for all routine in			

BCG	birth	DT	7 years
DTwP	18 months	DTwPHib	2, 3, 5 months
HepB	birth; 1, 5 months;	MMR	12 months; 7 years
	plus high-risk	Yellow Fever	travellers
OPV	2, 3, 5, 18 months; 7 years		
TT	school age up to	JE	12, 13, 24, 60 months;
	15 years; pregnant women		8, 11, 14 years;
	(2 doses 1st pregnancy;		high-risk groups
	booster subsequent delivery)		(subnational)

						2	004
Births							10,000
Surviving infa	ınts						10,000
Total populati	on					3:	21,000
Infant mortality rate (per 1,000 live births)							35
Under-five mo	ortality rate	(per 1,000	live birt	hs)			46
Gross nationa	ıl income pe	er capita (l	JS\$)				2,510
Percentage of			•				
Immunization	vaccines fi	nanced by	governn	nent			100
National o	coverage	e rates	(WHO/L	JNICEF	estimates	, 2004)	
	2004	2003	2002	2001	2000	1990	1980
BCG	98%	98%	98%	99%	99%	99%	7%
DTP1	98%	98%	98%	99%	98%	97%	22%
DTP3	96%	98%	98%	98%	97%	94%	4%
HepB3	97%	98%	98%	96%	90%		
MCV	97%	96%	99%	99%	99%	96%	
Pol3	96%	98%	98%	98%	97%	94%	4%
Hib3							
TT2+							
(protected at birth)							
District co	verage	(as repor	ted)				
						2004	2003
Number of dis	stricts in co	untry				20	20
Percentage of	districts re	porting				100%	100%
				below	50%	0%	0%
DTP3: proport	tion of distr	icts with co	overage	betwe	en 50-79%	0%	0%
			_	at 80%	6 or above	100%	100%
MCV/ muomonti	المعالم عما			L + 00% a		100%	100%
MCV: proporti DTP1-DTP3 d			•			100%	100%
have achieved				tricts tha	ıı	90%	
Supply: any va	nocino cunn	ly interrupt	ion?			No	No
Safety: propo				cufficion	nt number	NO	NO
of autodisable						100%	100%
Immuniza	tion oob	odulo					
milliumza	tion sch	euule					
BCG		birth	n DT	-		; childrei ot receiv	
DTwP	6, 10	), 14 weeks	3	4014			
НерВ	birth: 4	1, 12 weeks		enACWY		2 weeks l high-risk	
•				visiting i		5	

TT

Yellow Fever

9 months

birth; 8, 12, 16 weeks

6, 12, 18, 24 months

Measles

Vitamin A

OPV

pregnant women or

CBAW (15-45 years); +1, +6 months; +1, +1 year

visiting high-risk areas

2 weeks before

## Mali

#### 2004

Births	647,000
Surviving infants	562,000
Total population	13,124,000
Infant mortality rate (per 1,000 live births)	121
Under-five mortality rate (per 1,000 live births)	219
Gross national income per capita (US\$)	360
Percentage of routine Expanded Programme on Immunization vaccines financed by government	100

#### National coverage rates (WHO/UNICEF estimates, 2004)

	2004	2003	2002	2001	2000	1990	1980
BCG	75%	63%	81%	68%	69%	82%	
DTP1	99%	87%	84%	75%	65%	67%	
DTP3	76%	69%	64%	51%	40%	42%	
HepB3	73%	79%					
MCV	75%	68%	64%	61%	49%	43%	
Pol3	72%	65%	60%	51%	39%	42%	
Hib3							
TT2+ (protected at birth)	50%	32%	32%	32%	32%		

### District coverage (as reported)

Number of districts in country		2004 58	2003 58
Percentage of districts reporting		100%	100%
	below 50%	21%	22%
DTP3: proportion of districts with coverage	between 50-79%	33%	41%
	at 80% or above	47%	36%
MCV: proportion of districts with coverage a	t 90% or above	21%	16%
DTP1–DTP3 drop-out rate: proportion of dist have achieved a rate of less than 10%	12%	21%	
Supply: any vaccine supply interruption?	Yes	No	
Safety: proportion of districts supplied with sof autodisable (AD) syringes for all routine in	100%		

BCG	birth	DTwP	6, 10, 14 weeks
НерВ	6, 10, 14 weeks	Measles	9 months
OPV Vitamin A	birth; 6, 10, 14 weeks 6 months		CBAW (15-49 years) 1st contact pregnancy; +6 months; +1, +1 year
		Yellow Feve	r 9 months

							2	004
Birth	s							4,000
Surviving infants								4,000
Total	populatio	n					40	00,000
Infan	nt mortality	rate (per 1	,000 live	births).				5
Unde	er-five mor	tality rate (¡	per 1,000	0 live bir	ths)			6
Gros	s national	income per	capita (	US\$)				12,250
		outine Expa						
		overage		_			2004)	
, Tak	iroman o	2004	2003	2002	2001	2000	1990	1980
BCG		2004	2003	2002	2001	2000	77%	1900
DTP1	1	76%	96%	95%	98%	97%	84%	
DTP3		55%	94%	95%	95%	94%	63%	
HepE		8%	70%					
MCV		87%	90%	65%	65%	74%	80%	
Pol3		55%	94%	95%	95%	94%	86%	
Hib3		55%	93%	71%	84%	93%		
TT2+								
	cted at birth)							
Dis	trict cov	verage (a	as repo	rted)				
							2004	2003
Num	ber of dist	ricts in cou	ntry					
Perce	entage of o	districts rep	orting		_			
					below	50%		
DTP3	3: proporti	on of distric	ts with o	coverage	betwe	en 50-79%		
					at 80%	or above		
MCV	: proportic	n of district	s with c	overage	at 90% oi	above		
		op-out rate:		_				
		a rate of les						
Supp	oly: any vad	cine supply	interrup	tion?				
		ion of distri						
of au	itodisable	(AD) syring	es for al	I routine	immuniz	ations		0%
lmr	nunizat	ion sche	dule					
lmr BCG				)   [	DΤ		2, 3, 4 ma	onths;
	13 t	years; also hose in con	given to tact with	1	DΤ			onths; years
	13 t pa	years; also	given to tact with ravellers	1 5 ,	OT OTwPIPV	2, 3	3.5 , 4 month	years ns; for
	13 t pa t	years; also hose in con tients and t o TB-enden	given to tact with ravellers	1 5 5	DTwPIPV	2, 3	3.5 , 4 month ocompro	years ns; for mised
BCG DTwl	13 t pa t	years; also hose in con itients and t to TB-enden 2, 3, 4	given to tact with ravellers nic areas months	1		2, 3	3.5 , 4 month	years ns; for mised
BCG	13 t pa t P	years; also hose in con tients and t o TB-enden	given to tact with ravellers nic areas months		DTwPIPV	2, 3 immun	3.5 , 4 month ocompro	years ns; for mised onths onths;

### **Marshall Islands**

#### 2004

Births	
Surviving infants	
Total population	60,000
Infant mortality rate (per 1,000 live births)	52
Under-five mortality rate (per 1,000 live births)	59
Gross national income per capita (US\$)	2,370
Percentage of routine Expanded Programme on Immunization vaccines financed by government	

#### National coverage rates (WHO/UNICEF estimates, 2004)

	2004	2003	2002	2001	2000	1990	1980
BCG	91%	93%	90%	89%	89%	49%	
DTP1	71%	90%	90%	90%	23%	97%	
DTP3	64%	68%	80%	73%	39%	92%	
HepB3	72%	74%	80%	76%	36%	10%	
MCV	70%	90%	80%	89%	94%	52%	
Pol3	68%	80%	80%	73%	36%	89%	
Hib3	46%	70%	80%	45%	45%		
TT2+ (protected at birth)							

#### District coverage (as reported)

		2004	2003
Number of districts in country	3	2	
Percentage of districts reporting		100%	
	below 50%		
DTP3: proportion of districts with coverage	between 50-79%	33%	
	at 80% or above		
MCV: proportion of districts with coverage a		0%	
DTP1–DTP3 drop-out rate: proportion of dist have achieved a rate of less than 10%		100%	
Supply: any vaccine supply interruption?	No	Yes	
Safety: proportion of districts supplied with of autodisable (AD) syringes for all routine in			

DTaP	2, 4, 6 months;	НерВ	birth; 2, 6 months		
Hib	1, 4-5 years 2, 4 months; 1 year	MMR	12 months; +1 month		
OPV	2, 4 months, 1 year 2, 4, 6 months;	TT	pregnant women and adults		
	4-5 years	Influenza	>45 years; and high-risk		

Births							
National co						, 2004)	100
BCG DTP1 DTP3 HepB3 MCV Pol3 Hib3 TT2+	2004 86% 83% 70%  64% 68% 	2003 84% 91% 76%  71% 75% 	2002 98% 99% 83%  81% 82% 	2001 70% 82% 61%  58% 58% 	2000 75% 70% 40%  62% 44% 	1990 79% 69% 33%  38% 33% 	   
(protected at birth)  District cov	verage (	as repo	rted)				
District coverage (as reported)  2004  Number of districts in country 53  Percentage of districts reporting 100%  DTP3: proportion of districts with coverage between 50-79% 53% at 80% or above 25%  MCV: proportion of districts with coverage at 90% or above 9%  DTP1-DTP3 drop-out rate: proportion of districts that have achieved a rate of less than 10% 32%							2003 53 100% 9% 49% 42% 11%
Supply: any vac Safety: proport	ion of distr	icts supp	lied with			No	No
of autodisable (	, ,		I routine	immuniz	ations		100%
and 1st		birth 9 months 45 years egnancy	s C	TwP DPV		6, 10, 14 v 6, 10, 14 v	

## Mauritius

#### 2004

Births	20,000
Surviving infants	20,000
Total population	1,233,000
Infant mortality rate (per 1,000 live births)	14
Under-five mortality rate (per 1,000 live births)	15
Gross national income per capita (US\$)	4,640
Percentage of routine Expanded Programme on Immunization vaccines financed by government	100

#### National coverage rates (WHO/UNICEF estimates, 2004)

	2004	2003	2002	2001	2000	1990	1980
BCG	99%	92%	87%	89%	88%	87%	89%
DTP1	98%	93%	92%	92%	88%	95%	96%
DTP3	98%	92%	88%	92%	88%	85%	89%
HepB3	98%	92%	88%	92%	88%		
MCV	98%	94%	84%	90%	84%	76%	
Pol3	98%	93%	88%	93%	88%	86%	90%
Hib3							
TT2+ (protected at birth)							

#### District coverage (as reported)

		2004	2003
Number of districts in country		10	10
Percentage of districts reporting	100%	100%	
	below 50%	0%	0%
DTP3: proportion of districts with coverage	between 50-79%	0%	0%
	at 80% or above	100%	100%
MCV: proportion of districts with coverage a	40%	50%	
DTP1–DTP3 drop-out rate: proportion of dist have achieved a rate of less than 10%	100%	100%	
Supply: any vaccine supply interruption?	No		
Safety: proportion of districts supplied with of autodisable (AD) syringes for all routine in			

BCG	1 month	DT	2, 5 years
DTwP	3, 4, 5 months	НерВ	3, 4, 5 months
MMR	1, 5 years	OPV	3, 4, 5 months;
TT	11 years		2, 5 years

							2	004
Births								01,000
Surviving infants								59,000
	Total population						105,69	99,000
	Infant mortality	rate (per	1,000 live b	irths)				23
	Under-five mortality rate (per 1,000 live births)							28
Gross national income per capita (US\$)								6,770
	Percentage of ro Immunization va							95
	National co	verage	e rates (\	NHO/U	NICEF e	stimates	s, 2004)	
		2004	2003 2	2002	2001	2000	1990	1980
	BCG	99%		99%	99%	99%	67%	48%
	DTP1	99%		92%	91%	90%	77%	69%
	DTP3	98%		91%	89%	89%	53%	44%
	НерВ3	98%		91%	89%	89%		
	MCV	96%	96%	96%	95%	96%	75%	35%
	Pol3	98%		92%	90%	89%	66%	91%
	Hib3	98%	98% 9	91%	89%	89%	•••	•••
	TT2+ (protected at birth)							
	District cov	erage	(as reporte	ed)				
							2004	2003
	Number of distri	icts in co	untry				2,443	2,443
	Percentage of di	stricts re	porting		_		100%	99%
					below 5	0%	0%	0%
	DTP3: proportion	n of distri	icts with cov	verage	betwee	n <b>50-79</b> %	3%	2%
					at 80%	or above	97%	98%
	MCV: proportion			•		above	97%	96%
	DTP1–DTP3 drop have achieved a				ricts that		100%	99%
	Supply: any vacc	ine suppl	y interruption	on?				No
	Safety: proportion of autodisable (A							100%
	Immunizati	on sch	edule					
	BCG		birth	DT	PHibHep		2, 4, 6 m	onths
	DTwP		2, 4 years	Inf	luenza			7-23,
	MMR		1, 6 years	MI	R		17-23 m 13-39	
	OPV	2, 4,	6 months		-			
				Td		≥12	years; 6	aoses

## **Micronesia (Federated States of)**

#### 2004

Births	3,000
Surviving infants	3,000
Total population	110,000
Infant mortality rate (per 1,000 live births)	19
Under-five mortality rate (per 1,000 live births)	23
Gross national income per capita (US\$)	1,990
Percentage of routine Expanded Programme on Immunization vaccines financed by government	0

#### National coverage rates (WHO/UNICEF estimates, 2004)

	2004	2003	2002	2001	2000	1990	1980
BCG	62%	64%	51%	37%	24%	12%	
DTP1	83%	97%	94%	91%	95%	95%	
DTP3	78%	92%	84%	75%	85%	85%	
HepB3	80%	89%	88%	88%	87%	56%	
MCV	85%	91%	88%	85%	82%	81%	
Pol3	82%	88%	84%	79%	78%	85%	
Hib3	65%	68%	70%	73%	75%		
TT2+ (protected at birth)							

#### District coverage (as reported)

		2004	2003
Number of districts in country		4	4
Percentage of districts reporting		100%	100%
	below 50%		0%
DTP3: proportion of districts with coverage	between 50-79%		0%
	at 80% or above	100%	100%
MCV: proportion of districts with coverage a	100%	100%	
DTP1-DTP3 drop-out rate: proportion of dist have achieved a rate of less than 10%		100%	
Supply: any vaccine supply interruption?	Yes	Yes	
Safety: proportion of districts supplied with of autodisable (AD) syringes for all routine in			

BCG	birth	DTaP	2, 4, 6, 12-15 months; 4-6 years
НерВ	birth; 2, 6 months	Hib	2, 4, 12 months
Influenza	yearly for adults >50 years	MMR	12 months;
OPV	2, 4, 6, 12 months; 4-6 years	TT	+1 month every 10 years

# Moldova, Republic of

2004   Births							
National c	overage	e rates	(WHO/U	NICEF	estimates	, 2004)	
BCG DTP1 DTP3 HepB3	2004 96% 99% 98% 99%	2003 98% 99% 98% 99%	2002 99% 98% 97% 99%	2001 98% 97% 90% 84%	2000 98% 94% 91% 88%	1990  	1980  
MCV	96% 98%	96% 98%	94% 98%	81% 93%	87% 92%		
Pol3 Hib3							
TT2+							
(protected at birth)			•••		•••		
District cov	verage	(as repo	rted)				
Number of dist		,				2004 44 100%	2003 44 100%
r ordontago or t	310111010 10	porting		below	50%	0%	0%
DTP3: proportion	on of dietr	icte with a	overage		en 50-79%	0%	0%
DTT 3. proporti	on or alstr	icts with t	overage		6 or above	100%	100%
140)/				L			
MCV: proportion DTP1-DTP3 dro have achieved	op-out rate	e: proporti	ion of dist			98% 98%	95% 93%
Supply: any vad	rcine sunn	ly interrun	ation?			No	No
Safety: proport				sufficier	nt number	NO	NO
of autodisable						100%	100%
Immunizat	ion sch	edule					
BCG	3-5 days	; 6-7 years	s D	г		6-7	years
	•	•		=	la tara		•
	2, 4, 6, 22-2			ерВ		h; 1, 6 m	
	2 months	; 6-7 years	s   0	PV	2, 4, 6,	22-24 m	onths; years
Td 1	15, 20, 25, 50	30, 35, 40 ), 60 years					

## Monaco

#### 2004

Births	
Surviving infants	
Total population	35,000
Infant mortality rate (per 1,000 live births)	4
Under-five mortality rate (per 1,000 live births)	5
Gross national income per capita (US\$)	
Percentage of routine Expanded Programme on	

#### National coverage rates (WHO/UNICEF estimates, 2004)

	2004	2003	2002	2001	2000	1990	1980
BCG	90%	90%	92%	95%	97%	99%	
DTP1	99%	99%	99%	99%	99%	99%	
DTP3	99%	99%	99%	99%	99%	99%	
HepB3	99%	99%	99%	99%	99%		
MCV	99%	99%	99%	99%	99%	99%	
Pol3	99%	99%	99%	99%	99%	99%	
Hib3	99%	99%	99%	99%	99%		
TT2+ (protected at birth)							

### District coverage (as reported)

		2004	2003
Number of districts in country			
Percentage of districts reporting			
	below 50%		
DTP3: proportion of districts with coverage	between 50-79%		
	at 80% or above		
MCV: proportion of districts with coverage a			
DTP1-DTP3 drop-out rate: proportion of dist	ricts that		
have achieved a rate of less than 10%			
Supply: any vaccine supply interruption?			
Safety: proportion of districts supplied with	sufficient number		
of autodisable (AD) syringes for all routine in	mmunizations		

BCG	birth; 2003 schedule	DTaPHibHepIPV	≥2 months
НерА	5 months; 1 year	НерВ	5 months; 1 year
MenC_conj	2 years	MMR	1, 3-6 years
Pneumo_ps	2 months		

Births							
		•				2004)	33
BCG         95%         95%         95%         95%         95%         95%         95%         95%         91%           DTP1         99%         98%         95%         95%         95%         94%         91%           DTP3         99%         98%         94%         94%         95%         84%         76%           HepB3         95%         95%         94%         94%         94%             MCV         96%         95%         95%         95%         94%         92%         17%           Pol3         95%         94%         93%         92%         92%         87%         86%           Hib3							1980 51% 91% 76%  17% 86% 
District co	verage	(as repo	rted)				
Number of districts in country Percentage of districts reporting  DTP3: proportion of districts with coverage  below 50% between 50-79% at 80% or above						2004 323  	2003 347 100% 0% 0% 100%
MCV: proportion of districts with coverage at 90% or above DTP1–DTP3 drop-out rate: proportion of districts that have achieved a rate of less than 10%							100%
Supply: any vaccine supply interruption?  Safety: proportion of districts supplied with sufficient number of autodisable (AD) syringes for all routine immunizations  100%							No 
Immunizat	ion sch	edule					

birth; 8 years

2, 3, 4 months 2 years

8-11, 14-21 months

DT

HepB

OPV

BCG

DTwP

Measles

1	1	Б
		- 1

8, 15 years

birth; 2, 8-11 months

birth; 2, 3, 4 months

## Morocco

#### 2004

Births	713,000
Surviving infants	687,000
Total population	31,020,000
Infant mortality rate (per 1,000 live births)	38
Under-five mortality rate (per 1,000 live births)	43
Gross national income per capita (US\$)	1,520
Percentage of routine Expanded Programme on Immunization vaccines financed by government	100

#### National coverage rates (WHO/UNICEF estimates, 2004)

	2004	2003	2002	2001	2000	1990	1980
BCG	95%	92%	90%	93%	99%	96%	
DTP1	99%	94%	94%	98%	97%	93%	
DTP3	97%	91%	94%	96%	95%	81%	
HepB3	95%	90%	92%	84%	43%		
MCV	95%	90%	96%	96%	93%	80%	
Pol3	97%	91%	94%	93%	95%	81%	
Hib3	10%	4%	4%	5%	3%		
TT2+ (protected at birth)							

#### District coverage (as reported)

Number of districts in country		67	68
Percentage of districts reporting		100%	100%
	below 50%	0%	0%
DTP3: proportion of districts with coverage	between 50-79%	1%	18%
	at 80% or above	99%	82%
MCV: proportion of districts with coverage a	t 90% or above	70%	54%
DTP1–DTP3 drop-out rate: proportion of dist have achieved a rate of less than 10%	ricts that	96%	93%
Supply: any vaccine supply interruption?		No	No
Safety: proportion of districts supplied with of autodisable (AD) syringes for all routine in		100%	

BCG	birth	DTwP	6, 10, 14 weeks; 18 months
НерВ	birth; 6 weeks; 9 months	Measles	9 months
MR	6 years	OPV	birth; 6, 10, 14 weeks; 18 months
TT	CBAW +1 +6 months; +1 +1 year	Vitamin A	6, 12, 18 months

# Mozambique

						2	004
Births						7	69,000
Surviving infar	nts					6	94,000
Total population							24,000
Infant mortality rate (per 1,000 live births)							104
Under-five mortality rate (per 1,000 live births)							152
Gross national							250
Percentage of Immunization							47
National c	overage	rates	(WHO/	UNICEF	estimates	s, 2004)	
	2004	2003	2002	2001	2000	1990	1980
BCG	87%	87%	87%	86%	84%	59%	•••
DTP1	88%	88%	88%	86%	84%	71%	
DTP3	72%	72%	72%	70%	68%	46%	
HepB3	72%	72%	72%	25%			•••
MCV	77%	77%	77%	74%	71%	59%	
Pol3	70%	70%	70%	68%	65%	46%	
Hib3							
TT2+ (protected at birth)	60%	57%	57%	57%	57%		
District co	verage (	as repo	rted)				
						2004	2003
Number of dis	tricts in cou	ntry				144	144
Percentage of	districts rep	orting				100%	100%
				below	v 50%	1%	4%
DTP3: proporti	on of distri	cts with	coverage	betwe	een 50-79%	20%	22%
				at 809	% or above	78%	74%
MCV: proportion	on of distric	ts with c	overage	at 90% o	r above	59%	60%
DTP1-DTP3 dr			•				
have achieved						36%	47%
Supply: any va	ccine supply	/ interrup	otion?				No
Safety: proport of autodisable							100%
Immunizat	ion sch	edule					
BCG		birth	n   [	DTwPHep	) (	6, 10, 14 ·	weeks
Measles		9 months		OPV		6, 10, 14	
TT 1st contact pregnancy; Vitamin A 6, +1, +6 months; +1, +1 year						+6, +6, + +6 m	6, +6, onths

## Myanmar

#### 2004

Births	992,000
Surviving infants	921,000
Total population	50,004,000
Infant mortality rate (per 1,000 live births)	76
Under-five mortality rate (per 1,000 live births)	106
Gross national income per capita (US\$)	220
Percentage of routine Expanded Programme on Immunization vaccines financed by government	0

#### National coverage rates (WHO/UNICEF estimates, 2004)

	2004	2003	2002	2001	2000	1990	1980
BCG	85%	80%	82%	75%	88%	95%	9%
DTP1	86%	80%	81%	81%	87%	96%	22%
DTP3	82%	78%	79%	73%	82%	88%	4%
HepB3	54%	34%					
MCV	78%	76%	77%	73%	84%	90%	
Pol3	82%	77%	78%	73%	86%	88%	
Hib3							
TT2+ (protected at birth)	85%	83%	81%	79%	77%		

#### District coverage (as reported)

		2004	2003
Number of districts in country		324	324
Percentage of districts reporting		99%	98%
	below 50%	13%	12%
DTP3: proportion of districts with coverage	between 50-79%	23%	36%
	at 80% or above	61%	50%
MCV: proportion of districts with coverage a	t 90% or above	33%	21%
DTP1–DTP3 drop-out rate: proportion of dist have achieved a rate of less than 10%	ricts that	93%	87%
Supply: any vaccine supply interruption?		No	No
Safety: proportion of districts supplied with of autodisable (AD) syringes for all routine in	100%	100%	

BCG	6 weeks	DTwP	6, 10, 14 weeks
Measles	9 months	OPV	6, 10, 14 weeks
TT	1st antenatal visit;		

						2	004	
Births		ļ	56,000					
Surviving inf	ants					!	54,000	
Total popula	Total population							
Infant morta	Infant mortality rate (per 1,000 live births)							
Under-five m			63					
Gross nation	Gross national income per capita (US\$)							
Percentage of Immunization							100	
National	coverage	e rates	(WHO/l	JNICEF	estimates	, 2004)		
	2004	2003	2002	2001	2000	1990	1980	
BCG	71%	92%	81%	69%	77%	88%		
DTP1	88%	87%	86%	84%	90%	81%		
DTP3	81%	82%	77%	63%	79%	59%		
HepB3								
MCV	70%	70%	68%	58%	69%	57%		
Pol3	81%	82%	78%	64%	80%	59%		
Hib3								
TT2+ (protected at birth	67%	72%	76%	81%	85%			
District c	overage	(as repo	rted)					
						2004	2003	
Number of d	istricts in co	untry				34	34	
Number of d Percentage of		•				34 100%	34 100%	
		•		belov	v 50%			
	f districts re	porting	coverage		/ 50% een 50-79%	100%	100%	
Percentage o	f districts re	porting	coverage	betwe		100%	100%	
Percentage o	of districts re	porting		betwee	een 50-79% % or above	100% 0% 50%	100% 0% 44%	
Percentage of DTP3: propo	of districts re rtion of distriction of distriction drop-out rate	porting icts with c	overage a	between at 80% of	een 50-79% % or above r above	100% 0% 50% 50%	100% 0% 44% 56%	
DTP3: propo MCV: propor DTP1-DTP3 ( have achieve	of districts re rtion of distr tion of districtrop-out rate dd a rate of le	porting icts with c cts with c cts with c created proportions than 1	overage a ion of dis	between at 80% of	een 50-79% % or above r above	100% 0% 50% 50% 15%	100% 0% 44% 56% 12%	
DTP3: propor  MCV: propor  DTP1-DTP3 (have achieve supply: any visafety: propor)	of districts re rtion of distriction of distriction drop-out rate and a rate of le receive supplortion of dist	porting icts with c cts with c cts with c creating proportions continued by interruptions creating proportions cre	overage a ion of dis 10% otion? olied with	betwee at 80% of tricts the sufficie	een 50-79% % or above r above at	100% 0% 50% 50% 15% 76%	100% 0% 44% 56% 12% 68% Yes	
DTP3: propor MCV: propor DTP1-DTP3 (have achieve	of districts re rtion of distriction of distriction drop-out rate and a rate of le receive supplortion of dist	porting icts with c cts with c cts with c creating proportions continued by interruptions creating proportions cre	overage a ion of dis 10% otion? olied with	betwee at 80% of tricts the sufficie	een 50-79% % or above r above at	100% 0% 50% 50% 15%	100% 0% 44% 56% 12% 68%	
DTP3: propor  MCV: propor  DTP1-DTP3 (have achieve supply: any visafety: propor)	of districts re rtion of distriction of distriction drop-out rate and a rate of law raccine supplication of dist le (AD) syrin	porting  icts with c  cts with c  proportions than 1  y interrup  ricts supp  ges for al	overage a ion of dis 10% otion? olied with	betwee at 80% of tricts the sufficie	een 50-79% % or above r above at	100% 0% 50% 50% 15% 76%	100% 0% 44% 56% 12% 68% Yes	
DTP3: propo MCV: propor DTP1-DTP3 ( have achieve Supply: any v Safety: propo of autodisab	of districts re rtion of distriction of distriction drop-out rate and a rate of law raccine supplication of dist le (AD) syrin	porting  icts with c  cts with c  proportions than 1  y interrup  ricts supp  ges for al	overage a ion of dis 10% otion? olied with I routine	betwee at 80% of tricts the sufficie	een 50-79% % or above r above at	100% 0% 50% 50% 15% 76% Yes	100% 0% 44% 56% 12% 68% Yes	
DTP3: propor  MCV: propor  DTP1-DTP3 of have achieve  Supply: any of autodisab	of districts re rtion of distriction sch	porting  icts with c  cts with c  proportion  proportion  pricts suppricts s	overage a ion of dis 10% option? Option? I routine	betwee at 80% of tricts that sufficie immunizations.	een 50-79% % or above r above at	100% 0% 50% 50% 15% 76% Yes 	100% 0% 44% 56% 12% 68% Yes	
DTP3: propo  MCV: propor DTP1-DTP3 have achieve  Supply: any v Safety: propor autodisab  Immuniz  BCG	of districts re rtion of distriction of distriction of distriction out rate and a rate of le vaccine supplication of distriction of distriction sch	porting  cts with c cts with c cts with c created proportices than 1  ly interrupticts suppressed for al  edule  birth  14 weeks irth; 6, 10	overage a ion of dis 10% option? Olied with I routine	between at 80% of tricts that sufficient immunization.	een 50-79% % or above r above at  nt number ations	100% 0% 50% 50% 15% 76% Yes 	100% 0% 44% 56% 12% 68% Yes years	

## Nauru

#### 2004

Births	
Surviving infants	
Total population	13,000
Infant mortality rate (per 1,000 live births)	25
Under-five mortality rate (per 1,000 live births)	30
Gross national income per capita (US\$)	
Percentage of routine Expanded Programme on Immunization vaccines financed by government	100

#### National coverage rates (WHO/UNICEF estimates, 2004)

	2004	2003	2002	2001	2000	1990	1980
BCG	95%	95%	95%	99%	93%	93%	
DTP1	93%	93%	99%	98%	85%	90%	
DTP3	80%	80%	80%	95%	44%	74%	
HepB3	75%	75%	75%	95%	58%		
MCV	40%	40%	40%	95%	8%		
Pol3	59%	59%	59%	99%	27%	74%	
Hib3							
TT2+ (protected at birth)							

#### District coverage (as reported)

		2004	2003
Number of districts in country		1	
Percentage of districts reporting		100%	
	below 50%		
DTP3: proportion of districts with coverage	between 50-79%		
	at 80% or above		
MCV: proportion of districts with coverage a			
DTP1-DTP3 drop-out rate: proportion of dist			
have achieved a rate of less than 10%			
Supply: any vaccine supply interruption?			
Safety: proportion of districts supplied with			
of autodisable (AD) syringes for all routine in			

BCG	4 weeks	DTwP	2, 4, 6 months
НерВ	birth; 1, 6 months	Measles	9, 12 months
OPV	2, 4, 6 months; 5 years	Td	5 years

Births					7: 7:	004 86,000 38,000 91,000 59 76 260		
National co	overage	rates	(WH	O/U	NICEF	estimates	s, 2004)	
BCG DTP1 DTP3 HepB3 MCV Pol3 Hib3 TT2+ (protected at birth)	2004 85% 88% 80% 87% 73% 80% 	2003 91% 82% 78% 15% 75% 76% 	200 85% 84% 72%  71% 72%  56%	2	2001 84% 84% 72%  71% 72% 	2000 84% 84% 72%  71% 72%  56%	1990 74% 68% 43%  57% 42% 	1980 22% 28% 8%  
District coverage (as reported)								
Number of districts in country 75 Percentage of districts reporting 100% below 50% 1%						100% 1%	2003 75 100% 4% 47%	
B ii o. proportio	or diotri	oto with t	00 001	ago		% or above		49%
MCV: proportion of districts with coverage at 90% or above DTP1-DTP3 drop-out rate: proportion of districts that have achieved a rate of less than 10% 88%							13% 83%	
Supply: any vaccine supply interruption?  Safety: proportion of districts supplied with sufficient number of autodisable (AD) syringes for all routine immunizations					No 100%	No 53%		
Immunizati	ion sch	edule						
BCG		birth	า	DT	wP	(	6, 10, 14 ·	weeks
				6, 10, 14 ·	weeks			
+1; +6 months; A distrib +1, +1 year months				onths; Vi outed eve s to all ch nonths-5	ery six ildren			

## **Netherlands**

#### 2004

Births	190,000
Surviving infants	189,000
Total population	16,226,000
Infant mortality rate (per 1,000 live births)	5
Under-five mortality rate (per 1,000 live births)	6
Gross national income per capita (US\$)	31,700
Percentage of routine Expanded Programme on Immunization vaccines financed by government	

#### National coverage rates (WHO/UNICEF estimates, 2004)

	2004	2003	2002	2001	2000	1990	1980
BCG							
DTP1	98%	98%	98%	98%	98%	98%	98%
DTP3	98%	98%	98%	97%	97%	97%	96%
HepB3							
MCV	96%	96%	96%	96%	96%	94%	91%
Pol3	98%	98%	98%	97%	97%	97%	96%
Hib3	97%	96%	96%	96%	96%		
TT2+ (protected at birth)							

#### District coverage (as reported)

		2004	2003
Number of districts in country		12	
Percentage of districts reporting		100%	
	below 50%	0%	
DTP3: proportion of districts with coverage	between 50-79%	0%	
	at 80% or above	100%	
MCV: proportion of districts with coverage a	100%		
DTP1–DTP3 drop-out rate: proportion of dist have achieved a rate of less than 10%	ricts that	100%	
Supply: any vaccine supply interruption?	Yes		
Safety: proportion of districts supplied with of autodisable (AD) syringes for all routine in			

DTwPHiblPV	2, 3, 4, 11 months	HepB	2, 4, 11 months;
MenC_conj	14 months		children with a parent from a country with
Pa	4 years		prevalence >2%
	·	MMR	14 months; 9 years

BirthsSurviving infar Total population Infant mortality Under-five more Gross national Percentage of Immunization v	nts rate (per rtality rate income per routine Exp	1,000 live (per 1,000 er capita (	births).  D live bir  US\$)	ths)		! ! 3,9	004 55,000 54,000 89,000 5 6 20,310
National c	overage	rates	(WHO/	UNICEF	estimates	, 2004)	
	2004	2003	2002	2001	2000	1990	1980
BCG							
DTP1	96%	96%	96%	96%	96%	96%	91%
DTP3	90%	90%	90%	90%	90%	90%	76%
HepB3	90%	90%	90%	90%	90%		
MCV	85%	85%	85%	85%	85%	90%	80%
Pol3	82%	82%	82%	82%	82%	90%	
Hib3	90%	90%	90%	90%	90%		
TT2+ (protected at birth)							
District co	verage	(as repo	rted)				
						2004	2003
Number of dist	tricts in cou	untry					
Percentage of	districts rep	oorting					
				below	50%		
DTP3: proporti	on of distri	cts with o	coverage	betwe	en 50-79%		
				at 80%	6 or above		
MCV: proportio	on of distric	cts with c	overage	at 90% o	r above		
DTP1-DTP3 dro	op-out rate	: proporti	ion of di				
have achieved	a rate of le	ess than 1	0%				
Supply: any va	ccine suppl	y interrup	tion?			No	
Safety: proport of autodisable							
Immunizat	ion sch	edule					
DTaPHib	1	5 months	,	DTaPIPV		6 v	veeks;
				Diai ii v	3, 5 m	onths; 4	
НерВ		5 months		HibHepB	6 we	eks; 3 m	onths
Influenza		>65 years	3   I	IPV		11	vears
MMR	15 month	s; 4 years	3	Td	1	1, 45, 65	•
					ı	1, 43, 03	years

# Nicaragua

#### 2004

153,000
149,000
5,376,000
31
38
790
40

# National coverage rates (WHO/UNICEF estimates, 2004)

	2004	2003	2002	2001	2000	1990	1980
BCG	88%	94%	84%	90%	96%	84%	33%
DTP1	92%	95%	95%	94%	94%	86%	37%
DTP3	79%	86%	85%	84%	83%	66%	15%
HepB3	79%	86%	85%	84%	83%		
MCV	84%	93%	98%	92%	86%	82%	15%
Pol3	80%	86%	85%	85%	85%	87%	21%
Hib3	79%	86%	85%	84%	83%		
TT2+ (protected at birth)							

# District coverage (as reported)

		2004	2003
Number of districts in country		162	162
Percentage of districts reporting		100%	100%
	below 50%	6%	4%
DTP3: proportion of districts with coverage	between 50-79%	58%	39%
	at 80% or above	36%	57%
MCV: proportion of districts with coverage a	t 90% or above	26%	44%
DTP1–DTP3 drop-out rate: proportion of dist have achieved a rate of less than 10%	ricts that	86%	84%
Supply: any vaccine supply interruption?			No
Safety: proportion of districts supplied with of autodisable (AD) syringes for all routine in			

BCG	birth	DTwP	18 months
DTwPHibHep	2, 4, 6 months	MMR	12 months
OPV	2, 4, 6 months	Td	6-9, 10-14 years (3 doses)
Vitamin A	6, 12, 18, 24, 30, 36, 48 months	Yellow Fever	>1 year; travellers

Births					7: 6: 13,4	004 34,000 23,000 99,000 152 259 230	
National co	overage	rates	(WHO/	JNICEF	estimates	, 2004)	
BCG DTP1 DTP3 HepB3 MCV Pol3 Hib3 TT2+ (protected at birth)	2004 72% 75% 62%  74% 62% 	2003 64% 76% 52%  64% 51% 	2002 52% 41% 23%  48% 25%  36%	2001 49% 50% 31%  53% 30%  40%	2000 54% 48% 31%  34% 31%  40%	1990 50% 46% 22%  25% 22% 	1980   
District cov	/erage (	as repo	rted)				
Number of dist Percentage of o	ricts in cou	intry porting		betwe	v 50% een 50-79% % or above	2004 42 100% 12% 79% 10%	2003 42 100% 43% 48% 10%
MCV: proportion of districts with coverage at 90% or above DTP1–DTP3 drop-out rate: proportion of districts that have achieved a rate of less than 10%						17% 12%	12% 17%
Supply: any vaccine supply interruption?  Safety: proportion of districts supplied with sufficient number of autodisable (AD) syringes for all routine immunizations					Yes 100%	No 100%	
<b>Immunizat</b>	ion sch	edule					
BCG		birth	n   [	TwP	6	5, 10, 14 v	weeks
Measles	,	9 months	, (	DPV	birth; 6	5, 10, 14 v	weeks
TT CBAW (15-49 years) Vitamin A					Ą	6, 12 m	onths

and pregnant women; +1, +6 months

9 months

Yellow Fever

# Nigeria

#### 2004

Births	5,323,000
Surviving infants	4,723,000
Total population	128,709,000
Infant mortality rate (per 1,000 live births)	101
Under-five mortality rate (per 1,000 live births)	197
Gross national income per capita (US\$)	390
Percentage of routine Expanded Programme on Immunization vaccines financed by government	100

# National coverage rates (WHO/UNICEF estimates, 2004)

	2004	2003	2002	2001	2000	1990	1980
BCG	48%	48%	48%	46%	45%	80%	
DTP1	43%	43%	43%	42%	42%	79%	
DTP3	25%	25%	25%	24%	24%	56%	
HepB3	•••						
MCV	35%	35%	35%	35%	35%	54%	
Pol3	39%	39%	39%	32%	26%	55%	
Hib3							
TT2+ (protected at birth)	51%	51%	48%	46%	44%		

# District coverage (as reported)

		2004	2003
Number of districts in country		774	
Percentage of districts reporting			
	below 50%	49%	
DTP3: proportion of districts with coverage	between 50-79%	6%	
	at 80% or above	3%	
MCV: proportion of districts with coverage a	t 90% or above	3%	
DTP1–DTP3 drop-out rate: proportion of dist have achieved a rate of less than 10%	ricts that	56%	
Supply: any vaccine supply interruption?		No	
Safety: proportion of districts supplied with of autodisable (AD) syringes for all routine in	100%		

BCG	birth	DTwP	6, 10, 14 weeks
НерВ	birth; 6, 14 weeks	Measles	9 months
OPV Vitamin A	birth; 6, 10, 14 weeks 9, 15 months	TT	1st contact pregnancy; +3, +5, +10 years
VILAIIIIII A	9, 15 months	Yellow Feve	r 9 months

						2	004
Births							
Surviving infan	ts						
Total population	n						1,000
Infant mortality	rate (per 1	,000 live	births)				
Under-five mor	tality rate (¡	oer 1,000	) live birt	hs)			
Gross national	income per	capita (	US\$)				
Percentage of routine Expanded Programme on Immunization vaccines financed by government					100		
National co	overage	rates	(WHO/U	JNICEF	estimates	, 2004)	
	2004	2003	2002	2001	2000	1990	1980
BCG	96%	99%	99%	99%	99%	99%	85%
DTP1	99%	99%	99%	99%	99%	99%	27%
DTP3	99%	95%	99%	99%	99%	99%	7%
HepB3	99%	95%	99%	99%	99%		
MCV	99%	86%	99%	99%	99%	99%	77%
Pol3	99%	95%	99%	99%	99%	99%	
Hib3	99%	99%	99%	99%	99%		
TT2+ (protected at birth)							
District cov	verage (a	as repo	rted)				
						2004	2003
Number of dist	ricts in cou	ntry				1	1
Percentage of d	listricts rep	orting		_		100%	100%
				below	<b>/</b> 50%	0%	0%
DTP3: proportion	on of distric	ts with o	coverage	betwe	en 50-79%	0%	0%
				at 809	% or above	100%	100%
MCV: proportio	n of district	s with c	overage a	at 90% o	r above	100%	100%
DTP1-DTP3 dro	p-out rate:	proporti	ion of dis	tricts tha	at		
have achieved	a rate of les	s than 1	0%			100%	100%
Supply: any vac	cine supply	interrup	tion?			No	No
Safety: proporti of autodisable (						100%	100%
Immunizat	ion sche	dule					
BCG			n   D	TaPHib		15 m	onths
DTaPIPV	6 14/0						
Diariry	18 months	eks; 3, 5 ; 4 years		ерВ		birth; 6 v 5 m	onths
MMR	15 months	; 4 years	s T	D		11	years
			lr	nfluenza		>65 (subnat	years ional)

# **Norway**

#### 2004

Births	55,000
Surviving infants	55,000
Total population	4,598,000
Infant mortality rate (per 1,000 live births)	4
Under-five mortality rate (per 1,000 live births)	4
Gross national income per capita (US\$)	52,030
Percentage of routine Expanded Programme on Immunization vaccines financed by government	

# National coverage rates (WHO/UNICEF estimates, 2004)

	2004	2003	2002	2001	2000	1990	1980
BCG							
DTP1	91%	91%	92%	98%	96%	95%	
DTP3	91%	90%	91%	95%	95%	86%	
HepB3							
MCV	88%	84%	88%	93%	92%	87%	
Pol3	91%	90%	91%	95%	96%	84%	
Hib3	93%	92%	93%	96%	97%		
TT2+ (protected at birth)							

# District coverage (as reported)

		2004	2003
Number of districts in country		19	19
Percentage of districts reporting		100%	100%
	below 50%	0%	0%
DTP3: proportion of districts with coverage	between 50-79%	5%	5%
	at 80% or above	95%	95%
MCV: proportion of districts with coverage a	t 90% or above	47%	11%
DTP1–DTP3 drop-out rate: proportion of dist have achieved a rate of less than 10%	ricts that		100%
Supply: any vaccine supply interruption?			
Safety: proportion of districts supplied with of autodisable (AD) syringes for all routine in			

BCG	14 years	DTaPHibIPV	3, 5, 12 months	
DTaPIPV	7 years	НерВ	birth; 1, 6 months; defined risk groups	
IPV	6-8, 14 years	MANAD		
Td	11 years	MMR	15 months; 12 years	

# occupied Palestinian territory

						2	004
Births						13	36,000
Surviving infants						13	33,000
Total population						3,58	37,000
Infant mortality rate (per 1,000 live births)							22
Under-five mortality rate (per 1,000 live births)							24
Gross national	income pe	r capita (	US\$)				1,110
Percentage of							
	Immunization vaccines financed by government						
National c	overage	rates	(WHO/U	NICEF	estimates	, 2004)	
	2004	2003	2002	2001	2000	1990	1980
BCG	98%	99%	96%	97%	92%	•••	
DTP1	97%	98%	98%	98%	97%		
DTP3	96%	98%	97%	97%	93%		
HepB3	96%	98%	92%	93%	95%	•••	
MCV	96%	99%	94%	98%	93%	•••	
Pol3	96%	98%	97%	97%	•••	•••	
Hib3							
TT2+ (protected at birth)			•••				
			. D				
District co	verage (	as repo	rtea)				
Nih						2004	2003
Number of dis		•				15	
Percentage of	districts rep	orting		_		100%	
				below	50%	0%	
DTP3: proporti	DTP3: proportion of districts with coverage between 50-79%						
at 80% or above						0%	
			coverage			0% 100%	
MCV: proportion	on of distric		J	at 80%	6 or above		
DTP1-DTP3 dr	op-out rate:	ts with c	overage a	at 80% t 90% o	6 or above r above	100% 100%	
	op-out rate:	ts with c	overage a	at 80% t 90% o	6 or above r above	100%	
DTP1-DTP3 dr	op-out rate: a rate of le	ts with co proporti ss than 1	overage a on of dist 0%	at 80% t 90% o	6 or above r above	100% 100%	
DTP1-DTP3 dr. have achieved Supply: any va Safety: propor	op-out rate: a rate of le ccine supply tion of distr	ts with comporting the proportion of the proport	overage a ion of dist 0% tion?	at 80% t 90% o ricts tha	6 or above r above it	100% 100% 100% No	
DTP1-DTP3 dr have achieved Supply: any va	op-out rate: a rate of le ccine supply tion of distr	ts with comporting the proportion of the proport	overage a ion of dist 0% tion?	at 80% t 90% o ricts tha	6 or above r above it	100% 100% 100%	
DTP1-DTP3 dr. have achieved Supply: any va Safety: propor	op-out rate: a rate of le ccine supply tion of distr (AD) syring	ts with comportion of the composition of the compos	overage a ion of dist 0% tion?	at 80% t 90% o ricts tha	6 or above r above it	100% 100% 100% No	
DTP1-DTP3 dr have achieved Supply: any va Safety: propor of autodisable	op-out rate: a rate of le ccine supply tion of distr (AD) syring	ts with comportion of the composition of the compos	overage a on of dist 0% tion? blied with I routine in	at 80% t 90% o ricts tha	6 or above r above it nt number ations	100% 100% 100% No	
DTP1-DTP3 dr have achieved Supply: any va Safety: propor of autodisable	op-out rate: a rate of le ccine supply tion of distr (AD) syring	ts with control proportion of the proportion of	overage a fon of dist 0% stion? slied with routine in	at 80% t 90% o ricts tha sufficier mmuniz	6 or above r above it nt number ations	100% 100% 100% No 100%	
DTP1-DTP3 dr have achieved Supply: any va Safety: propor of autodisable Immunizat BCG HepB	op-out rate: a rate of le ccine supply tion of distr (AD) syring tion scho	ts with concept of the concept of th	overage a fon of dist 0% overage with 1 routine in D M	at 80% t 90% o ricts that sufficier mmuniz	or above rabove at number ations	100% 100% 100% No 100%	onths
DTP1-DTP3 dr. have achieved Supply: any va Safety: propor of autodisable Immunizat BCG	op-out rate: a rate of le ccine supply tion of distr (AD) syring	ts with concept of the concept of th	overage a fon of dist 0% overage with 1 routine in D M M M M M M M M M M M M M M M M M M	at 80% or ricts that sufficient mmuniz	or above rabove at number ations 2, 4	100% 100% 100% No 100%	onths onths ancy; erval);

# **Oman**

#### 2004

Births	64,000
Surviving infants	63,000
Total population	2,534,000
Infant mortality rate (per 1,000 live births)	10
Under-five mortality rate (per 1,000 live births)	13
Gross national income per capita (US\$)	7,830
Percentage of routine Expanded Programme on Immunization vaccines financed by government	100

# National coverage rates (WHO/UNICEF estimates, 2004)

	2004	2003	2002	2001	2000	1990	1980
BCG	99%	98%	98%	98%	98%	96%	51%
DTP1	99%	99%	99%	99%	99%	98%	41%
DTP3	99%	99%	99%	99%	99%	98%	18%
HepB3	99%	99%	99%	99%	99%		
MCV	98%	98%	99%	99%	99%	98%	22%
Pol3	99%	99%	99%	99%	99%	98%	18%
Hib3	99%	99%	97%				
TT2+ (protected at birth)							

# District coverage (as reported)

Number of districts in country		2004 59	2003 59
Percentage of districts reporting		100%	100%
	below 50%	0%	0%
DTP3: proportion of districts with coverage	between 50-79%	0%	0%
	at 80% or above	100%	100%
MCV: proportion of districts with coverage a	t 90% or above	100%	100%
DTP1–DTP3 drop-out rate: proportion of dist have achieved a rate of less than 10%	ricts that	100%	0%
Supply: any vaccine supply interruption?		No	No
Safety: proportion of districts supplied with of autodisable (AD) syringes for all routine in			

BCG	birth	DT	6 years
DTwP	18 months	DTwPHibHe	p 6 weeks; 3, 5 months
НерВ	birth		•
MMR	18 months	Measles	12 months
TT	pregnant women, and	OPV	birth; 6 weeks; 3, 5, 7, 18 months; 6-17 years
	high risk groups	Vitamin A	7, 12 months
Rubella	15-45 years		

						2	004
Births							29,000
Surviving infants							69,000
Total popu	ılation					154,7	94,000
Infant mor	tality rate (per 1	,000 live	births)				80
Under-five	mortality rate (	per 1,000	live bir	ths)			101
Gross nati	onal income pe	r capita (l	JS\$)				600
	e of routine Exp ion vaccines fin						61
Nationa	al coverage	rates	(WHO/	UNICEF	estimates	, 2004)	
	2004	2003	2002	2001	2000	1990	1980
BCG	80%	82%	82%	67%	67%	80%	6%
DTP1	75%	77%	77%	71%	70%	77%	20%
DTP3	65%	67%	68%	63%	61%	54%	2%
HepB3	65%	63%	•••			•••	
MCV	67%	61%	63%	57%	56%	50%	1%
Pol3	65%	69%	71%	63%	61%	54%	2%
Hib3							
TT2+ (protected at b	45% hirth)	57%	48%	52%	52%		
District	coverage (	as repor	ted)				
						2004	2003
Number o	f districts in cou	ntry				120	120
Percentage	e of districts rep	orting				100%	100%
				below	/ 50%	18%	18%
DTP3: pro	portion of distric	cts with c	overage	betwe	en 50-79%	52%	67%
				at 80%	% or above	31%	16%
	ortion of distric		-			9%	5%
	3 drop-out rate: eved a rate of le			stricts tha	at	31%	67%
Supply: an	y vaccine supply	/ interrupt	tion?			No	No
	oportion of distr able (AD) syring					100%	100%
Immun	ization sch	edule					
IIIIIIIIIIII	ization sche						
BCG	ization sche	birth	[	DTwP	6	5, 10, 14 v	weeks
			-	OTwP Measles	6		weeks onths
BCG		birth 14 weeks	יו	Measles IT		9 m CBAW a act pregr	onths nd 1st nancy;

# Palau

#### 2004

Births	
Surviving infants	
Total population	20,000
Infant mortality rate (per 1,000 live births)	22
Under-five mortality rate (per 1,000 live births)	27
Gross national income per capita (US\$)	6,870
Percentage of routine Expanded Programme on Immunization vaccines financed by government	100

# National coverage rates (WHO/UNICEF estimates, 2004)

	2004	2003	2002	2001	2000	1990	1980
BCG							
DTP1	99%	99%	99%	98%	98%	99%	
DTP3	98%	99%	99%	98%	96%	99%	
HepB3	98%	99%	99%	97%	96%		
MCV	99%	99%	99%	91%	83%	98%	
Pol3	98%	99%	99%	98%	96%	99%	
Hib3	98%	94%	90%	93%	96%		
TT2+ (protected at birth)							

#### District coverage (as reported)

		2004	2003
Number of districts in country		1	
Percentage of districts reporting			
	below 50%		
DTP3: proportion of districts with coverage	between 50-79%		
	at 80% or above		
MCV: proportion of districts with coverage a	t 90% or above		
DTP1-DTP3 drop-out rate: proportion of dist	ricts that		
have achieved a rate of less than 10%		•••	
Supply: any vaccine supply interruption?			
Safety: proportion of districts supplied with	sufficient number		
of autodisable (AD) syringes for all routine in	mmunizations		

DTaP	4, 6, 15-18 months;	DTwP	6 weeks
НерВ	4-6 years birth; 6 weeks;	Hib	2, 4, 6, 15 months
Перв	12-15 months	IPV	6 weeks; 4,
Influenza	adult (yearly)		12-15 months; 4-6 years
MenC_conj	1 dose	MMR	12, 15 months
Td	1, 6 months;		

2004

							004
Births						-	70,000
Surviving infants							
Total population							75,000
Infant mortalit	y rate (per 1	,000 live	births)				19
Under-five mo	rtality rate (	per 1,000	live birth	ıs)			24
Gross nationa	l income per	capita (	US\$)				4,450
Percentage of Immunization							100
National c	overage	rates	(WHO/U	NICEF 6	estimates	, 2004)	
	2004	2003	2002	2001	2000	1990	1980
BCG	99%	87%	92%	99%	99%	97%	68%
DTP1	99%	92%	96%	99%	99%	95%	72%
DTP3	99%	86%	89%	99%	98%	86%	47%
HepB3	99%	86%	87%	40%			
MCV	99%	83%	79%	95%	97%	73%	71%
Pol3	99%	83%	85%	95%	99%	86%	44%
Hib3	99%	86%	87%	40%			
TT2+ (protected at birth)							
District co	verage (a	as repo	rted)				
Number of dis	stricts in cou	ntry				2004 76	2003
Percentage of	districts rep	orting				100%	
				below	50%	0%	0%
DTP3: proport	ion of distric	ts with o	coverage	betwee	n 50-79%	4%	38%
			Ü	at 80%	or above	96%	62%
MCV: proporti	on of distric	ts with c	overage a	t 90% or	above	82%	
DTP1–DTP3 dr have achieved				ricts that		70%	
Supply: any va	ccine supply	interrup	tion?				
Safety: propor of autodisable							
Immuniza	tion sche	edule					
BCG		birth	n D	ΓwΡ		4-5	years
DTwPHibHep	2, 4, 6	6 months	s He	ерВ	birth;	2, 4, 6 m	onths
Measles	g	months	s M	MR		15-18 m	onths
MR	15-	-49 years	s OI	PV	18 mai	birth; 2	
Td 6 years and 2 doses at school, CBAW and others  18 mon Yellow Fever 1, 10 v						years; 3	

at high-risk

# Papua New Guinea

#### 2004

Births	176,000
Surviving infants	164,000
Total population	5,772,000
Infant mortality rate (per 1,000 live births)	68
Under-five mortality rate (per 1,000 live births)	93
Gross national income per capita (US\$)	580
Percentage of routine Expanded Programme on Immunization vaccines financed by government	100

# National coverage rates (WHO/UNICEF estimates, 2004)

	2004	2003	2002	2001	2000	1990	1980
BCG	54%	60%	60%	63%	70%	89%	62%
DTP1	60%	69%	72%	67%	80%	86%	57%
DTP3	46%	54%	49%	48%	57%	67%	32%
HepB3	45%	53%	50%	36%	55%	20%	
MCV	44%	49%	56%	49%	68%	67%	
Pol3	36%	41%	38%	28%	46%	67%	29%
Hib3							
TT2+ (protected at birth)	10%	29%	34%	34%	34%		

#### District coverage (as reported)

		2004	2003
Number of districts in country		89	89
Percentage of districts reporting		100%	100%
	below 50%	63%	53%
DTP3: proportion of districts with coverage	between 50-79%	30%	33%
	at 80% or above	7%	15%
MCV: proportion of districts with coverage a	t 90% or above	2%	4%
DTP1–DTP3 drop-out rate: proportion of dist have achieved a rate of less than 10%	27%	26%	
Supply: any vaccine supply interruption?			No
Safety: proportion of districts supplied with of autodisable (AD) syringes for all routine in		25%	

BCG	birth	DTwP	1, 2, 3 months
НерВ	birth; 1, 2 months	Measles	6, 9 months
OPV	birth; 1, 2, 3 months	TT	7, 13 years; pregnancy
Vitamin ∆	6 12 months		

2004

								004		
Births								175,000		
Surviving infants								169,000		
Total population								17,000		
	Infant mortality	rate (per 1	,000 live	births)				21		
	Under-five morta	ality rate (	per 1,000	live birt	hs)			24		
	Gross national in	-	-					1,170		
	Percentage of ro Immunization va							98		
	National co	verage	rates	(WHO/L	JNICEF	estimates	, 2004)			
		2004	2003	2002	2001	2000	1990	1980		
	BCG	82%	78%	73%	76%	69%	75%	31%		
	DTP1	91%	90%	91%	91%	87%	86%	40%		
	DTP3	76%	74%	75%	77%	68%	67%	17%		
	НерВ3	76%	74%							
	MCV	89%	91%	86%	90%	92%	69%	19%		
	Pol3	75%	73%	74%	77%	60%	64%	14%		
	Hib3	76%	74%							
	TT2+ (protected at birth)									
	District cov	erage (a	as repor	ted)						
							2004	2003		
	Number of distri	icts in cou	ntry				231	230		
	Percentage of di	stricts rep	orting				100%	100%		
					below	50%	3%	2%		
	DTP3: proportion	n of distric	ts with c	overage	betwe	en 50-79%	25%	26%		
					at 80%	6 or above	72%	73%		
	MCV: proportion	of district	s with co	overage a	at 90% o	r above	58%	63%		
	DTP1-DTP3 drop				tricts tha	t				
	have achieved a	rate of les	s than 1	0%			86%	73%		
	Supply: any vaco	ine supply	interrup	tion?			No	No		
	Safety: proportion of autodisable (A									
	Immunizati	on sche	edule_							
•	BCG		birth	D	TwP	18 m	onths; 4	years		
	DTwPHihHen	2 4 6	monthe	I./	1enAC	1	dose hig	ıh-risk		
		DTwPHibHep 2, 4, 6 months MenAC 1								
	MMR 1, 4 years OPV 2, 4,						9	roups		
	MMR		, 4 years	0	PV	2, 4,	6, 18 m			

CBAW and 1st

contact pregnancy;

+1 +6 months; +1 +1 year

Td

4 years

<1 year; high-risk

(border and travellers)

Yellow Fever

# Peru

#### 2004

Births	627,000
Surviving infants	608,000
Total population	27,562,000
Infant mortality rate (per 1,000 live births)	24
Under-five mortality rate (per 1,000 live births)	29
Gross national income per capita (US\$)	2,360
Percentage of routine Expanded Programme on Immunization vaccines financed by government	100

# National coverage rates (WHO/UNICEF estimates, 2004)

	2004	2003	2002	2001	2000	1990	1980
BCG	91%	94%	92%	88%	93%	83%	57%
DTP1	95%	96%	96%	95%	97%	89%	39%
DTP3	87%	89%	89%	85%	91%	72%	16%
HepB3	87%	60%					
MCV	89%	95%	95%	97%	97%	64%	23%
Pol3	87%	89%	90%	88%	89%	73%	16%
Hib3	91%	36%	35%	33%	38%		
TT2+ (protected at birth)							

# District coverage (as reported)

		2004	2003
Number of districts in country		1829	1828
Percentage of districts reporting		100%	100%
	below 50%	0%	10%
DTP3: proportion of districts with coverage	between 50-79%	8%	27%
	at 80% or above	92%	64%
MCV: proportion of districts with coverage a	t 90% or above	80%	57%
DTP1–DTP3 drop-out rate: proportion of dist have achieved a rate of less than 10%	60%	93%	
Supply: any vaccine supply interruption?		Yes	No
Safety: proportion of districts supplied with of autodisable (AD) syringes for all routine in		100%	

BCG	birth	DT	3, 4 months; National ESAVI		
НерВ	birth; 2, 4 months	Hib	3 months		
MMR	1 year	MR	CBAW (16-20 years)		
OPV	2, 3, 4 months		and 1st contact pregnancy		
DTwPHibHep	2, 4 months (subnational)	Td	CBAW and 1st contact pregnancy; +1 +6 months; +1 +2 years		

# Philippines

								2	004	
	Births							2,0	26,000	
Surviving infants								1,972,000		
	Total population							81,6	17,000	
	Infant mortality	rate (per 1,	,000 live	birth	s)				26	
	Under-five morta	ality rate (p	oer 1,000	) live l	birth	s)			34	
	Gross national in	ncome per	capita (	US\$).					1,170	
	Percentage of ro Immunization va								100	
	National co	verage	rates	(WH	O/U	NICEF	estimates	2004)		
		2004	2003	2002		2001	2000	1990	1980	
	BCG	91%	91%	91%		92%	91%	96%	56%	
	DTP1	90%	90%	90%		92%	90%	96%	72%	
	DTP3	79%	79%	79%		81%	80%	88%	47%	
	НерВ3	40%	40%	40%		80%	35%			
	MCV	80%	80%	80%		80%	81%	85%		
	Pol3	80%	80%	80%		78%	77%	88%	50%	
	Hib3									
	TT2+ (protected at birth)	70%	70%	70%		70%	70%			
	District cove	erage (a	e ranoi	rted)						
	District cove	orage (c	із тероі	rtcu/				0004	0000	
	Number of distri	cts in cour	ntrv					2004 189	2003 191	
	Percentage of dis		•					100%	73%	
	r creentage or al	stricts rept	orting			below	, E00/	0%	12%	
	DTD2: numeration		ماخاند، مد				en 50-79%	50%		
	DTP3: proportion	i oi distric	is with t	covera	ige			/-	40%	
						at 80%	% or above	50%	20%	
	MCV: proportion	of district	s with c	overa	ge at	t <b>90</b> % o	r above	29%	13%	
	DTP1–DTP3 drop have achieved a				distr	ricts tha	at	90%	100%	
	Supply: any vacc	ine supply	interrup	tion?				Yes	No	
	Safety: proportion of autodisable (A	on of distri	cts supp	olied v						
	Immunizatio	on sche	dule							
	BCG		birth	1	וט	aP	(	5, 10, 14 ·	weeks	
	НерВ	6, 10, 1	4 weeks	3	Me	easles		9 m	onths	
	OPV	6, 10, 1	4 weeks	3	TT		-	CBAW a		
	Vitamin A	36	3, 24, 30, months; months	;			cont	act pregr +1 +6 m		

# **Poland**

#### 2004

Births	365,000
Surviving infants	362,000
Total population	38,559,000
Infant mortality rate (per 1,000 live births)	7
Under-five mortality rate (per 1,000 live births)	8
Gross national income per capita (US\$)	6,090
Percentage of routine Expanded Programme on Immunization vaccines financed by government	

# National coverage rates (WHO/UNICEF estimates, 2004)

	2004	2003	2002	2001	2000	1990	1980
BCG	94%	94%	95%	95%	96%	97%	93%
DTP1	99%	99%	99%	98%	98%	98%	98%
DTP3	99%	99%	99%	98%	98%	96%	96%
HepB3	98%	97%	98%	95%	99%		
MCV	97%	97%	98%	97%	97%	95%	92%
Pol3	98%	98%	98%	98%	98%	96%	96%
Hib3							
TT2+ (protected at birth)							

#### District coverage (as reported)

		2004	2003
Number of districts in country		379	
Percentage of districts reporting		100%	
	below 50%		0%
DTP3: proportion of districts with coverage		0%	
	at 80% or above		100%
MCV: proportion of districts with coverage a	t 90% or above		100%
DTP1–DTP3 drop-out rate: proportion of dist have achieved a rate of less than 10%		100%	
Supply: any vaccine supply interruption?		Yes	No
Safety: proportion of districts supplied with of autodisable (AD) syringes for all routine in			

BCG	birth; 12 months (only if	DTaP	6 years
	no scar developed); 7-12 years	НерВ	birth; 2, 6-7 months; also 14 years, +1, +6 months
DTwP	2, 3-4, 5, 16-18 months		for unvaccinated
	IPV 3-4, 5, 16-18 months	Measles	7 years
	If V 3-4, 3, 10-10 months	OPV	6 years
MMR	13-14 months	Td	14, 19 years
Rubella	13 years; female	Hib	2, 3, 4, 16-18 months;

Surviving infants	12,000 11,000 41,000 4 5 14,350  1980  90% 73%  54%
Total population	41,000 4 5 14,350  1980  90% 73% 
Infant mortality rate (per 1,000 live births)	4 5 14,350  1980  90% 73% 
Under-five mortality rate (per 1,000 live births)	1980  90% 73%
True	1980  90% 73%
Percentage of routine Expanded Programme on Immunization vaccines financed by government	 1980  90% 73%
National coverage rates (WHO/UNICEF estimates, 2004)   2004   2003   2002   2001   2000   1990   1980   1	1980  90% 73% 
2004   2003   2002   2001   2000   1990   1980   1980   1980   83%   81%   81%   82%   82%   88%	 90% 73% 
BCG 83% 81% 81% 82% 82% 88% .  DTP1 98% 99% 98% 98% 99% 96% 96  DTP3 95% 99% 98% 97% 96% 89% 73  HepB3 94% 94% 82% 70% 58%  MCV 95% 96% 93% 90% 87% 85% 54  Pol3 95% 99% 94% 90% 86%  Hib3 95% 99% 94% 90% 86%  TT2+	 90% 73% 
DTP1 98% 99% 98% 98% 99% 96% 96  DTP3 95% 99% 98% 97% 96% 89% 73  HepB3 94% 94% 82% 70% 58%  MCV 95% 96% 96% 96% 96% 89% 18  Hib3 95% 99% 94% 90% 86%  TT2+	90% 73% 
DTP3 95% 99% 98% 97% 96% 89% 73  HepB3 94% 94% 82% 70% 58%  MCV 95% 96% 93% 90% 87% 85% 54  Pol3 95% 96% 96% 96% 96% 89% 18  Hib3 95% 99% 94% 90% 86%  TT2+	73%
HepB3	
MCV 95% 96% 93% 90% 87% 85% 54 Pol3 95% 96% 96% 96% 96% 89% 18 Hib3 95% 99% 94% 90% 86%  TT2+	
Pol3 95% 96% 96% 96% 96% 89% 18 Hib3 95% 99% 94% 90% 86%  TT2+	5/1º/
Hib3 95% 99% 94% 90% 86%	J470
TT2+	18%
(protected at birth)  District coverage (as reported)  Number of districts in country  Percentage of districts reporting  DTP3: proportion of districts with coverage  below 50%  between 50-79%  at 80% or above  MCV: proportion of districts with coverage at 90% or above  DTP1-DTP3 drop-out rate: proportion of districts that have achieved a rate of less than 10%  Supply: any vaccine supply interruption?  No  Safety: proportion of districts supplied with sufficient number	
Number of districts in country  Percentage of districts reporting  DTP3: proportion of districts with coverage  below 50% between 50-79% at 80% or above  MCV: proportion of districts with coverage at 90% or above  DTP1-DTP3 drop-out rate: proportion of districts that have achieved a rate of less than 10%  Supply: any vaccine supply interruption?  No  Safety: proportion of districts supplied with sufficient number	
Number of districts in country  Percentage of districts reporting  DTP3: proportion of districts with coverage  below 50%  between 50-79%  at 80% or above  MCV: proportion of districts with coverage at 90% or above  DTP1-DTP3 drop-out rate: proportion of districts that have achieved a rate of less than 10%  Supply: any vaccine supply interruption?  No  Safety: proportion of districts supplied with sufficient number	
DTP3: proportion of districts with coverage below 50% 0% at 80% or above 100% 10  MCV: proportion of districts with coverage at 90% or above 80% 10  DTP1-DTP3 drop-out rate: proportion of districts that have achieved a rate of less than 10%  Supply: any vaccine supply interruption? No Safety: proportion of districts supplied with sufficient number	2003
DTP3: proportion of districts with coverage between 50-79% 0% at 80% or above 100% 10  MCV: proportion of districts with coverage at 90% or above 80% 10  DTP1-DTP3 drop-out rate: proportion of districts that have achieved a rate of less than 10%  Supply: any vaccine supply interruption? No  Safety: proportion of districts supplied with sufficient number	
at 80% or above 100% 10  MCV: proportion of districts with coverage at 90% or above 80% 10  DTP1-DTP3 drop-out rate: proportion of districts that have achieved a rate of less than 10%  Supply: any vaccine supply interruption? No  Safety: proportion of districts supplied with sufficient number	0%
at 80% or above 100% 10  MCV: proportion of districts with coverage at 90% or above 80% 10  DTP1-DTP3 drop-out rate: proportion of districts that have achieved a rate of less than 10%  Supply: any vaccine supply interruption? No  Safety: proportion of districts supplied with sufficient number	0%
DTP1–DTP3 drop-out rate: proportion of districts that have achieved a rate of less than 10%  Supply: any vaccine supply interruption? No  Safety: proportion of districts supplied with sufficient number	100%
have achieved a rate of less than 10%  Supply: any vaccine supply interruption? No Safety: proportion of districts supplied with sufficient number	100%
Safety: proportion of districts supplied with sufficient number	
Safety: proportion of districts supplied with sufficient number	
of autodisable (AD) syringes for all routine immunizations	
Immunization schedule	
BCG birth DTwP 5-6 year	
DTwPHib 2, 4, 6, 18 months HepB 2, 6 mont	years
IPV 2, 4, 6 months MMR 15 months; 5-6 year	•
5-6 years; when OPV	onths
is contraindicated; Id 10-13 yea travellers every 10 yea	onths years
OPV 2, 4, 6 months; 5-6 years	years

# **Qatar**

#### 2004

Births	14,000
Surviving infants	14,000
Total population	777,000
Infant mortality rate (per 1,000 live births)	18
Under-five mortality rate (per 1,000 live births)	21
Gross national income per capita (US\$)	12,000
Percentage of routine Expanded Programme on Immunization vaccines financed by government	100

# National coverage rates (WHO/UNICEF estimates, 2004)

	2004	2003	2002	2001	2000	1990	1980
	2004	2003	2002	2001	2000	1990	1900
BCG	99%	99%	99%	99%	99%	97%	4%
DTP1	99%	96%	96%	95%	92%	94%	82%
DTP3	96%	92%	96%	94%	80%	82%	61%
HepB3	97%	98%	98%	99%	90%		
MCV	99%	93%	99%	92%	91%	79%	26%
Pol3	95%	93%	96%	93%	91%	82%	61%
Hib3	96%	96%	96%	94%	92%		
TT2+ (protected at birth)							

#### District coverage (as reported)

		2004	2003
Number of districts in country		24	
Percentage of districts reporting			100%
	below 50%		0%
DTP3: proportion of districts with coverage		0%	
		100%	
MCV: proportion of districts with coverage at 90% or above			100%
DTP1–DTP3 drop-out rate: proportion of dist have achieved a rate of less than 10%		100%	
Supply: any vaccine supply interruption?			No
Safety: proportion of districts supplied with sufficient number of autodisable (AD) syringes for all routine immunizations			100%

BCG	birth	DT	4-6 years
DTwPHib	2, 4, 6, 18 months;	НерВ	birth; 2, 6 months
MMR	split acellular pertussis  12 months; 4-6 years; screening 11-13-year-old girls for vaccine documentation	OPV Yellow Fever	2, 4, 6, 18 months; 4-6 years travellers (subnational)
Td	13-16 years		

Births  Surviving infants  Total population					2	004 13,000 09,000 90,000 17 20 2,920	
National co	overage	rates	(WHO/U	NICEF	estimates	, 2004)	
BCG DTP1 DTP3 HepB3 MCV Pol3 Hib3	2004 99% 98% 97% 99% 97% 	2003 99% 98% 97% 98% 97% 97%	2002 99% 98% 98% 99% 98% 98%	2001 99% 99% 99% 98% 98% 99%	2000 99% 99% 99% 98% 98% 98%	1990 90% 98% 96%  92% 92%	1980   
TT2+							
(protected at birth)							
Number of dist Percentage of c  DTP3: proportion  MCV: proportion  DTP1-DTP3 dro have achieved a  Supply: any vac Safety: proport of autodisable of	ricts in cou listricts rep on of district op-out rate: a rate of les cine supply ion of distri AD) syring	ntry orting ts with control s with control proporti s than 1 interrup cts supp es for all	coverage overage a ion of dist 0% tion? blied with	at 80% or ricts tha	en 50-79% 5 or above 7 above t	2004 42 100% 0% 100% 100% No	2003 42 100% 0% 0% 100% 98% 100% No
				<b>-</b>		7 14	
BCG	4 40 00 05	birth					years
	4, 12, 30-35			TwPHep		2, 6 m	
HepB bir	h; 2, 6 mor DTP, plus 12-15		OI S	easles PV		2, 4, 6 m	years
НерА		k groups national)		i		24 years; rs after a	

# **Russian Federation**

#### 2004

Births	1,511,000
Surviving infants	1,486,000
Total population	143,899,000
Infant mortality rate (per 1,000 live births)	17
Under-five mortality rate (per 1,000 live births)	21
Gross national income per capita (US\$)	3,410
Percentage of routine Expanded Programme on Immunization vaccines financed by government	100

# National coverage rates (WHO/UNICEF estimates, 2004)

	2004	2003	2002	2001	2000	1990	1980
BCG	96%	97%	97%	97%	96%		
DTP1	98%	98%	98%	98%	97%		
DTP3	97%	98%	96%	96%	95%		
HepB3	96%	94%	82%				
MCV	98%	96%	98%	98%	97%		
Pol3	98%	97%	97%	97%	97%		
Hib3							
TT2+ (protected at birth)							

#### District coverage (as reported)

N. J. G.B. C. C.		2004	2003
Number of districts in country		89	89
Percentage of districts reporting		100%	100%
	below 50%	1%	1%
DTP3: proportion of districts with coverage	between 50-79%	6%	2%
	at 80% or above	93%	98%
MCV: proportion of districts with coverage a	99%	97%	
DTP1-DTP3 drop-out rate: proportion of dist have achieved a rate of less than 10%		100%	
Supply: any vaccine supply interruption?		No	
Safety: proportion of districts supplied with of autodisable (AD) syringes for all routine in			

BCG	birth; 7-14 years	DTwP	3, 4.5, 6, 18 months
НерВ	birth; 1, 6 months;	Measles	12 months; 6 years
	workers and students	Mumps	12 months; 6 years
MM	12 months; 6 years	Td	14 years; and every 10 years
OPV	3, 4.5, 6, 18, 20 months; 14 years		

Births						2	004
						3	65,000
Surviving infants						3:	23,000
Total populati	on					8,8	82,000
Infant mortalit	ty rate (per	1,000 live	births)				118
Under-five mo	rtality rate	(per 1,000	0 live birth	ns)			203
Gross nationa	l income pe	er capita (	(US\$)				220
Percentage of Immunization							50
National o	coverage	e rates	(WHO/L	INICEF	estimates	, 2004)	
	2004	2003	2002	2001	2000	1990	1980
BCG	86%	88%	99%	74%	81%	92%	
DTP1	94%	97%	95%	91%	93%	94%	
DTP3	89%	96%	88%	77%	90%	84%	
НерВ3	89%	96%	88%				
MCV	84%	90%	69%	69%	74%	83%	
Pol3	89%	96%	85%	76%	90%	83%	
Hib3	89%	96%	88%				
TT2+	76%	76%	76%	76%	76%		
(protected at birth)	. 676	7070	. 0,0	. 0,0	. 0,0		•••
District co	verage	(as repo	rted)				
						2004	2003
Number of dis	stricts in co	untry				39	39
Percentage of	districts re	porting				100%	100%
Percentage of	districts re	porting		below	<i>,</i> 50%	100% 0%	100%
			coverage			0%	0%
Percentage of DTP3: proport			coverage	betwe	en 50-79%	0% 21%	0% 33%
DTP3: proport	ion of distr	icts with o		betwee	een 50-79% % or above	0% 21% 79%	0% 33% 67%
DTP3: proport	ion of distr	icts with o	overage a	between at 80% of the 190% of	een 50-79% % or above r above	0% 21%	0% 33%
DTP3: proport	ion of distr on of distri	icts with o	overage a	between at 80% of the 190% of	een 50-79% % or above r above	0% 21% 79%	0% 33% 67%
DTP3: proporti MCV: proporti DTP1–DTP3 di	ion of distr on of distri rop-out rate I a rate of le	icts with octs with cost proport	overage a ion of dist	between at 80% of the 190% of	een 50-79% % or above r above	0% 21% 79% 44%	0% 33% 67% 26%
DTP3: proporti MCV: proporti DTP1-DTP3 di have achieved	on of distriction of	cts with cests with cests with cests than 1 dy interrupricts suppricts suppr	overage a ion of dist 10% otion? blied with	betwee at 80% of the sufficient s	een 50-79% % or above r above at	0% 21% 79% 44% 90%	0% 33% 67% 26% 92%
DTP3: proporti  MCV: proporti  DTP1-DTP3 di have achievect  Supply: any va  Safety: proporti	on of distriction of	icts with o cts with c e: proport ess than 1 ly interrup ricts supp ges for al	overage a ion of dist 10% otion? blied with	betwee at 80% of the sufficient s	een 50-79% % or above r above at	0% 21% 79% 44% 90%	0% 33% 67% 26% 92% No
DTP3: proporti MCV: proporti DTP1-DTP3 di have achieved Supply: any va Safety: propoi of autodisable	on of distriction of	icts with o cts with c e: proport ess than 1 ly interrup ricts supp ges for al	overage a ion of dist 10% otion? olied with I routine i	betwee at 80% of the sufficient s	een 50-79% % or above r above at  nt number	0% 21% 79% 44% 90%	0% 33% 67% 26% 92% No 100%
DTP3: proporti MCV: proporti DTP1-DTP3 di have achieved Supply: any va Safety: proporti of autodisable	on of distriction of	cts with c ets with c ets proport ess than 1 y interrupt ricts supp ges for al	overage a ion of dist	between at 80% of the sufficient of the sufficie	een 50-79% % or above r above at  nt number rations	0% 21% 79% 44% 90% No 100%	0% 33% 67% 26% 92% No 100%

# **Saint Kitts and Nevis**

#### 2004

Births	1,000
Surviving infants	
Total population	42,000
Infant mortality rate (per 1,000 live births)	18
Under-five mortality rate (per 1,000 live births)	21
Gross national income per capita (US\$)	7,600
Percentage of routine Expanded Programme on Immunization vaccines financed by government	97

# National coverage rates (WHO/UNICEF estimates, 2004)

	2004	2003	2002	2001	2000	1990	1980
BCG	89%	99%	99%	95%	99%	80%	
DTP1	87%	94%	96%	95%	99%	99%	79%
DTP3	96%	99%	97%	99%	99%	99%	56%
НерВ3	96%	99%	96%	99%	99%		
MCV	98%	98%	99%	90%	99%	99%	
Pol3	96%	99%	97%	99%	99%	99%	76%
Hib3	95%	99%	95%	99%	12%		
TT2+ (protected at birth)							

#### District coverage (as reported)

		2004	2003
Number of districts in country		17	
Percentage of districts reporting		100%	
	below 50%	0%	
DTP3: proportion of districts with coverage	between 50-79%	0%	
	at 80% or above	100%	
MCV: proportion of districts with coverage a	t 90% or above	100%	
DTP1–DTP3 drop-out rate: proportion of dist have achieved a rate of less than 10%	100%		
Supply: any vaccine supply interruption?		No	No
Safety: proportion of districts supplied with of autodisable (AD) syringes for all routine in	100%		

BCG	birth-4 weeks	DT	>5 years
DTwP	3, 4, 5, 18 months;	DTwPHibHep	2, 4, 6 months
	4-5 years	MMR	1, 2-5 years
НерВ	11, +11, +11 years; all health-care workers	Td	11, 16 years; adults
OPV	2, 4, 6, 18 months;		every 5 years
	4-5, 11 years	Yellow Fever	travellers to
	•	CO	untries where yellow
			fever is endemic

							2	004
	Births							3,000
Surviving infants								3,000
	Total population						1!	59,000
	Infant mortality	rate (per	1,000 live	e births).				13
	Under-five morta	ality rate	(per 1,00	0 live bir	ths)			14
	Gross national in		•					4,310
	Percentage of ro Immunization va							100
	National co	verag	e rates	(WHO/	UNICEF	estimates	s, 2004)	
		2004	2003	2002	2001	2000	1990	1980
	BCG	99%	95%	95%	99%	91%	94%	27%
	DTP1	99%	90%	96%	99%	76%	96%	79%
	DTP3	91%	90%	88%	95%	70%	89%	56%
	НерВ3	91%	84%	14%			•••	
	MCV	95%	90%	98%	89%	88%	82%	
	Pol3	91%	91%	90%	96%	70%	90%	58%
	Hib3	91%	84%	14%				
	TT2+ (protected at birth)							
	District cov	erage	(as repo	rted)				
							2004	2003
	Number of distri	icts in co	untry				8	8
	Percentage of di	stricts re	porting		_		100%	100%
					below	50%	0%	0%
	DTP3: proportion	n of distr	icts with	coverage	betwe	en 50-79%	13%	50%
					at 80%	or above	88%	50%
	MCV: proportion	of distri	cts with o	coverage	at 90% oi	above	75%	63%
	DTP1-DTP3 drop have achieved a				stricts tha	t	13%	100%
	Supply: any vaco	ine sunn	ly interru	ntion?				No
	Safety: proportion				n sufficier	ıt number		
	of autodisable (A							100%
	Immunizati	on sch	edule					
	Immunization BCG	on sch	edule 6 week	s   [	DT		4-5	years
					DT DTwPHibH	Нер	4-5 3, 5, 7 m	-
	BCG		6 week	s [		Нер	3, 5, 7 m	-
	BCG DTwP		6 week 19 month	s I	OTwPHibl	·	3, 5, 7 m	onths 1 year onths;

# **Saint Vincent and the Grenadines**

#### 2004

Births	2,000
Surviving infants	2,000
Total population	118,000
Infant mortality rate (per 1,000 live births)	18
Under-five mortality rate (per 1,000 live births)	22
Gross national income per capita (US\$)	3,650
Percentage of routine Expanded Programme on Immunization vaccines financed by government	100

# National coverage rates (WHO/UNICEF estimates, 2004)

	2004	2003	2002	2001	2000	1990	1980
BCG	99%	87%	91%	99%	99%	99%	
DTP1	99%	99%	99%	99%	99%	98%	51%
DTP3	99%	99%	99%	99%	99%	98%	26%
HepB3	99%	31%					
MCV	99%	94%	99%	98%	96%	96%	
Pol3	99%	99%	99%	99%	99%	92%	26%
Hib3	99%	27%					
TT2+ (protected at birth)							

#### District coverage (as reported)

		2004	2003
Number of districts in country		9	
Percentage of districts reporting		100%	
	below 50%	0%	
DTP3: proportion of districts with coverage	between 50-79%	11%	
	at 80% or above	89%	
MCV: proportion of districts with coverage a	78%		
DTP1–DTP3 drop-out rate: proportion of dist have achieved a rate of less than 10%			
Supply: any vaccine supply interruption?		No	No
Safety: proportion of districts supplied with of autodisable (AD) syringes for all routine in	100%		

BCG	birth	DTPHibHep	2, 4, 6 months
DTwP	18 months	IPV	2, 4, 6, 18, 48-60 months
Measles	1, 4-5 years	MMR	1, 4-5 years
OPV	2, 4, 6, 18, 48-60 months	IVIIVIII	1, 4 0 years

						2	004
Births							5,000
Surviving infants							5,000
Total population	n					18	34,000
Infant mortality	rate (per	1,000 live bir	ths)				25
Under-five mor	tality rate	(per 1,000 liv	e birth	s)			30
Gross national	-	•					1,860
Percentage of re Immunization v							100
National co	overage	e rates (M	/HO/U	NICEF e	stimates	, 2004)	
	2004	2003 20	002	2001	2000	1990	1980
BCG	93%	73% 98	8%	98%	97%	97%	72%
DTP1	90%	97% 99	9%	96%	99%	96%	54%
DTP3	68%	94% 90	6%	93%	99%	90%	29%
HepB3	70%	97% 98	8%	98%	96%		
MCV	25%	99% 99	9%	92%	93%	89%	
Pol3	41%	95% 96	6%	92%	99%	88%	29%
Hib3							
TT2+ (protected at birth)							
District cov	verage	(as reported	d)				
						2004	2003
Number of dist	ricts in co	untry				16	14
Percentage of d	listricts re	porting				100%	100%
				below !	50%	19%	0%
DTP3: proportio	on of distr	icts with cov	erage	betwee	n 50-79%	56%	0%
				at 80%	or above	25%	100%
MCV: proportio	n of distri	cts with cove	rage at	_ : 90% or	above	19%	100%
DTP1–DTP3 dro	p-out rate	e: proportion	of distr	icts that			
have achieved a	a rate of le	ess than 10%	1			31%	50%
Supply: any vac	cine supp	ly interruption	n?			Yes	Yes
Safety: proporti of autodisable (						100%	100%
Immunizati	ion sch	edule					
BCG		birth	DT		Ę	years; s	chool
DTwP	6. 10.	. 14 weeks				en	trants
			Не	рВ	birt	:h; 6, 14 v	weeks
MR 		12 months	OF	٧٧	6	, 10, 14 v	
TT		8th month pregnancy;				5	years
-		post natal					

# San Marino

#### 2004

Births	
Surviving infants	
Total population	28,000
Infant mortality rate (per 1,000 live births)	3
Under-five mortality rate (per 1,000 live births)	4
Gross national income per capita (US\$)	
Percentage of routine Expanded Programme on Immunization vaccines financed by government	

# National coverage rates (WHO/UNICEF estimates, 2004)

	2004	2003	2002	2001	2000	1990	1980
BCG							
DTP1	95%	98%	98%	98%	97%	99%	
DTP3	98%	96%	96%	96%	96%	99%	
HepB3	97%	96%	95%	94%	94%		
MCV	98%	91%	85%	80%	74%		
Pol3	98%	96%	96%	96%	96%	99%	
Hib3	98%	96%	95%	93%	92%		
TT2+ (protected at birth)							

# District coverage (as reported)

		2004	2003		
Number of districts in country					
Percentage of districts reporting					
	below 50%		0%		
DTP3: proportion of districts with coverage	between 50-79%		0%		
	at 80% or above		100%		
MCV: proportion of districts with coverage a		100%			
DTP1-DTP3 drop-out rate: proportion of districts that					
have achieved a rate of less than 10%					
Supply: any vaccine supply interruption?					
Safety: proportion of districts supplied with					
of autodisable (AD) syringes for all routine in		0%			

DT	15-16 years	DTaPHibHepIPV	2-3, 5-6,
DTwP	5-6 years	IPV	11-12 months 2-3 years
MMR	15-16 months; 5-6 years		20 /00.0

# Sao Tome and Principe

						2	004		
Births							5,000		
Surviving infants							5,000		
Total population						1!	53,000		
Infant mortality							75		
Under-five mo	•	•					118		
Gross national	•						370		
Percentage of Immunization									
National c	overage	rates	(WHO/l	JNICEF	estimates	, 2004)			
	2004	2003	2002	2001	2000	1990	1980		
BCG	99%	99%	99%	92%	81%	99%			
DTP1	99%	97%	94%	97%	94%	97%			
DTP3	99%	94%	92%	92%	82%	92%			
HepB3	99%	43%					•••		
MCV	91%	87%	85%	75%	69%	71%			
Pol3	99%	94%	92%	87%	87%	90%			
Hib3		•••		•••			•••		
TT2+ (protected at birth)	•••						•••		
District co	verage (	as repor	District coverage (as reported)						
						2004	2003		
Number of dis						2004 7	2003 7		
	tricts in cou	untry							
Number of dis	tricts in cou	untry		below	, 50%	7	7		
Number of dis	tricts in cou	untry			/ 50% een 50-79%	7 100%	7 100%		
Number of dis Percentage of	tricts in cou	untry		betwe		7 100% 0%	7 100% 0%		
Number of dis Percentage of	tricts in cou districts rep on of distri	untry porting cts with c	overage	betwee	en 50-79% % or above	7 100% 0% 14%	7 100% 0% 29%		
Number of dis Percentage of DTP3: proporti	tricts in cou districts rep on of distri	untry porting cts with c	coverage overage a	between at 80% o	een 50-79% % or above r above	7 100% 0% 14% 86%	7 100% 0% 29% 71%		
Number of dis Percentage of DTP3: proportion	tricts in cou districts rep on of distri on of district op-out rate	untry corting cts with c cts with cc	coverage overage a on of dis	between at 80% o	een 50-79% % or above r above	7 100% 0% 14% 86%	7 100% 0% 29% 71%		
Number of dis Percentage of DTP3: proportion MCV: proportion DTP1-DTP3 dr	tricts in cou districts rep on of distri on of distric op-out rate a rate of le	untry corting cts with c cts with cc cts with cc cts with cc sts than 1	overage overage a on of dis 0%	between at 80% o	een 50-79% % or above r above	7 100% 0% 14% 86% 29%	7 100% 0% 29% 71% 57%		
Number of dis Percentage of DTP3: proporti MCV: proportic DTP1-DTP3 dr have achieved	tricts in cou districts rep on of distric op-out rate a rate of le ccine supply tion of distric	untry corting cts with c cts with cc : proporti ss than 1 y interrup ricts supp	overage overage a on of dis 0% tion?	at 80% at 90% o tricts that	een 50-79% % or above r above at	7 100% 0% 14% 86% 29%	7 100% 0% 29% 71% 57%		
Number of dis Percentage of DTP3: proportion MCV: proportion DTP1-DTP3 drivate achieved Supply: any van Safety: proportion	tricts in cou districts rep on of distric op-out rate a rate of le ccine supply tion of distric (AD) syring	untry corting cts with co cts with co create with c	overage overage a on of dis 0% tion?	at 80% at 90% o tricts that	een 50-79% % or above r above at	7 100% 0% 14% 86% 29% 86% Yes	7 100% 0% 29% 71% 57% 100%		
Number of dis Percentage of DTP3: proportion MCV: proportion DTP1-DTP3 drivate achieved Supply: any va Safety: proportion of autodisable	tricts in cou districts rep on of distric op-out rate a rate of le ccine supply tion of distric (AD) syring	edule	coverage overage a on of dis 0% tion? lied with routine	betwee at 80% of tricts that sufficier immuniz	een 50-79% 6 or above r above at nt number ations	7 100% 0% 14% 86% 29% 86% Yes 100%	7 100% 0% 29% 71% 57% 100% No		
Number of dis Percentage of DTP3: proporti MCV: proportic DTP1-DTP3 dr have achieved Supply: any va Safety: propor of autodisable Immunizat BCG	tricts in cou districts rep on of districts op-out rate a rate of le ccine supplition of distriction of distriction of distriction sch	cts with cots with cots with cots with cots stan 1 y interrupricts suppges for all edule birth	overage on of dis 0% tion? died with routine	at 80% at 90% o tricts that	een 50-79% 6 or above r above at nt number ations	7 100% 0% 14% 86% 29% 86% Yes 100%	7 100% 0% 29% 71% 57% 100% No		
Number of dis Percentage of DTP3: proportion MCV: proportion DTP1-DTP3 drick have achieved Supply: any variant Safety: proportion of autodisable Immunization	tricts in cou districts rep on of districts op-out rate a rate of le ccine supplition of distriction (AD) syring	ontry corting cts with co proporti proporti ss than 1 y interrup pricts supp ges for all edule birth 14 weeks	coverage cov	betwee at 80% of tricts that sufficier immuniz	een 50-79% 6 or above r above at nt number ations	7 100% 0% 14% 86% 29% 86% Yes 100%	7 100% 0% 29% 71% 57% 100% No		
Number of dis Percentage of DTP3: proporti MCV: proportic DTP1-DTP3 dr have achieved Supply: any va Safety: propor of autodisable Immunizat BCG	tricts in cou districts rep on of districts op-out rate a rate of le ccine supplition of distriction (AD) syring	cts with conting cts supplies for all cts could conting cts supplies for all cts	overage on of discoverage on of discoverage of tion?	betwee at 80% of tricts that sufficier immuniz	hen 50-79% or above r above at  nt number ations	7 100% 0% 14% 86% 29% 86% Yes 100%	7 100% 0% 29% 71% 57% 100% No 100%		
Number of dis Percentage of DTP3: proportion MCV: proportion DTP1-DTP3 drivate achieved Supply: any var Safety: proportion autodisable Immunization BCG HepB OPV	tricts in coudistricts region of districts on of districts op-out rate a rate of leccine supplition of distriction of district	untry porting  cts with co ets	coverage a con of dis 0% tion? dised with routine	betwee at 80% of tricts that sufficier immuniz	hen 50-79% or above r above at  nt number ations	7 100% 0% 14% 86% 29% 86% Yes 100%	7 100% 0% 29% 71% 57% 100% No 100%		
Number of dis Percentage of DTP3: proportion MCV: proportion DTP1-DTP3 drick have achieved Supply: any variant Safety: proportion of autodisable Immunization	on of districts on of districts on of districts op-out rate a rate of leccine supplition of distriction of dist	cts with conting cts supplies for all cts could conting cts supplies for all cts	overage on of dis 0% tion? died with routine	betwee at 80% of tricts that sufficier immuniz	een 50-79% 6 or above r above at  nt number ations 6	7 100% 0% 14% 86% 29% 86% Yes 100%	7 100% 0% 29% 71% 57% 100% No 100%		

# Saudi Arabia

#### 2004

Births	665,000
Surviving infants	651,000
Total population	23,950,000
Infant mortality rate (per 1,000 live births)	21
Under-five mortality rate (per 1,000 live births)	27
Gross national income per capita (US\$)	10,430
Percentage of routine Expanded Programme on Immunization vaccines financed by government	100

# National coverage rates (WHO/UNICEF estimates, 2004)

	2004	2003	2002	2001	2000	1990	1980
BCG	95%	94%	98%	94%	94%	90%	33%
DTP1	96%	96%	97%	99%	98%	97%	66%
DTP3	96%	95%	95%	97%	95%	92%	41%
HepB3	96%	95%	97%	95%	93%	66%	
MCV	97%	96%	97%	94%	94%	88%	8%
Pol3	96%	95%	95%	97%	95%	92%	50%
Hib3	96%	95%	91%				
TT2+ (protected at birth)							

#### District coverage (as reported)

		2004	2003
Number of districts in country		20	20
Percentage of districts reporting		100%	100%
	below 50%	0%	0%
DTP3: proportion of districts with coverage	between 50-79%	0%	0%
	at 80% or above	100%	100%
MCV: proportion of districts with coverage a	t 90% or above	100%	100%
DTP1–DTP3 drop-out rate: proportion of dist have achieved a rate of less than 10%	100%	100%	
Supply: any vaccine supply interruption?		No	
Safety: proportion of districts supplied with of autodisable (AD) syringes for all routine in			

BCG	birth	DTwPHib	2, 4, 6, 18 months
НерВ	birth; 2, 6 months	MMR	1, 4-6 years
OPV	2, 4, 6, 18 months; 4-6 years		

BirthsSurviving infant Total population Infant mortality Under-five mort Gross national in Percentage of re Immunization v	ts rate (per tality rate income pe outine Exp accines fir	1,000 live (per 1,000 er capita ( panded P nanced by	e birth 0 live (US\$) rogra y gov	birth	s) on ent		. 4 . 3 . 11,3 	004 19,000 85,000 86,000 78 137 670
National co	verage	rates	(WI	IO/U	NICEF	estimat	es, 2004)	
BCG DTP1 DTP3 HepB3 MCV Pol3 Hib3 TT2+ (protected at birth)  District cov	2004 95% 95% 87% 54% 57% 87%  85%	2003 77% 81% 73%  60% 73%  83%	200 709 709 609  549 609  809	% % % %	2001 89% 79% 52%  48% 49% 	2000 89% 79% 52%  48% 49%  75%	1990 90% 75% 51%  51% 53% 	1980    
							2004	2003
Number of distr							52	50
Percentage of d	istricts rep	porting			г		100%	100%
DTD6					below		0%	6%
DTP3: proportio	n ot aistri	cts with (	cover	age		een 50-79° % or abov		70% 24%
					L			
MCV: proportion DTP1-DTP3 dro				_			2%	2%
have achieved a				ı uısı	iicts tiit	at	63%	52%
Supply: any vac	cine suppl	y interrup	otion?				Yes	No
Safety: proporti of autodisable (							r 100%	100%
lmmunizati	on sch	edule						
BCG		birtl	n	D٦	ſwΡ		6, 10, 14	weeks
НерВ	6, 10,	14 weeks	s	M	easles		9 m	onths
OPV birth; 6, 10, TT pre					regnant we +1; +6 me +1, +			

# Serbia and Montenegro

2			А
Z	U	U	4

Births	122,000
Surviving infants	120,000
Total population	10,510,000
Infant mortality rate (per 1,000 live births)	13
Under-five mortality rate (per 1,000 live births)	15
Gross national income per capita (US\$)	2,620
Percentage of routine Expanded Programme on Immunization vaccines financed by government	25

# National coverage rates (WHO/UNICEF estimates, 2004)

	2004	2003	2002	2001	2000	1990	1980
BCG	97%	94%	95%	97%	99%		
DTP1	96%	96%	98%	97%	98%		
DTP3	97%	89%	95%	93%	95%		
HepB3	89%						
MCV	96%	87%	92%	90%	89%		
Pol3	96%	89%	95%	93%	98%		
Hib3							
TT2+ (protected at birth)							

#### District coverage (as reported)

Number of districts in country		2004 25	2003
Number of districts in country		25	160
Percentage of districts reporting		100%	100%
	below 50%	0%	0%
DTP3: proportion of districts with coverage	between 50-79%	0%	1%
	at 80% or above	100%	99%
MCV: proportion of districts with coverage a	t 90% or above	100%	93%
DTP1–DTP3 drop-out rate: proportion of dist have achieved a rate of less than 10%	96%		
Supply: any vaccine supply interruption?		Yes	No
Safety: proportion of districts supplied with of autodisable (AD) syringes for all routine in			

BCG	birth	DT	6 years
DTwP	8, 16, 22 weeks; 15 months	MMR	12 months; 12 years
OPV	8, 16, 22 weeks; 15 months; 6, 14 years	Td	14 years
TT	18 years		

# Seychelles

								2	004
	Births							_	3,000
Surviving infants									
	Total population	٦							80,000
	Infant mortality	rate (per	1,000 live	birth	s)				12
	Under-five mort	tality rate	(per 1,000	0 live	birth	ns)			14
	Gross national i	ncome pe	er capita (	(US\$)					8,090
Percentage of routine Expanded Programme on Immunization vaccines financed by government								100	
	National co	verage	rates	(WH	O/U	NICEF	estimates	s, 2004)	
		2004	2003	200	2	2001	2000	1990	1980
	BCG	99%	99%	99%	, D	99%	99%	98%	
	DTP1	99%	99%	99%	, D	99%	98%	99%	
	DTP3	99%	99%	99%	, ,	96%	98%	99%	
	HepB3	99%	99%	98%	, D	97%	97%		
	MCV	99%	99%	98%	, ,	95%	97%	86%	
	Pol3	99%	99%	99%	, D	96%	98%	99%	
	Hib3	•••							
	TT2+ (protected at birth)								
	District cov	erage	(as repo	rted)					
								2004	2003
	Number of distr	ricts in co	untry					16	16
	Percentage of d	istricts re	porting					100%	100%
						belov	v 50%	0%	0%
	DTP3: proportio	n of distri	icts with o	cover	age	betwe	een 50-79%	0%	0%
						at 809	% or above	100%	100%
	MCV: proportion	n of distri	cts with c	overa	ge a	_ t 90% o	r above	100%	100%
	DTP1-DTP3 dro have achieved a				dist	ricts tha	at	100%	100%
	Supply: any vac	cine suppl	y interrup	otion?				Yes	No
	Safety: proporti of autodisable (								
	Immunizati	on sch	edule						
	BCG	المائما	h. C		D-	<b>-</b>		c	
			h; 6 years						years
	DTwP		8 months			ерВ		3, 4, 9 m	
	MMR	15 month	s; 6 years	S	OI	PV	3, 4	, 5, 18 m 6, 15	onths; years
	ТТ	15 years;	>25 years	s	Ye	ellow Fe	ever		onths

# Sierra Leone

#### 2004

Births	245,000
Surviving infants	205,000
Total population	5,336,000
Infant mortality rate (per 1,000 live births)	165
Under-five mortality rate (per 1,000 live births)	283
Gross national income per capita (US\$)	200
Percentage of routine Expanded Programme on Immunization vaccines financed by government	0

# National coverage rates (WHO/UNICEF estimates, 2004)

	2004	2003	2002	2001	2000	1990	1980
BCG	83%	87%	75%	63%	74%		
DTP1	77%	87%	87%	58%	64%		
DTP3	61%	70%	52%	38%	44%		
HepB3							
MCV	64%	73%	62%	50%	37%		
Pol3	61%	60%	52%	38%	46%		
Hib3							
TT2+ (protected at birth)	76%	62%	60%	58%	58%		

#### District coverage (as reported)

		2004	2003
Number of districts in country		13	13
Percentage of districts reporting		100%	100%
	below 50%	38%	31%
DTP3: proportion of districts with coverage	between 50-79%	46%	54%
	at 80% or above	15%	15%
MCV: proportion of districts with coverage a	t 90% or above	15%	23%
DTP1–DTP3 drop-out rate: proportion of dist have achieved a rate of less than 10%	15%	8%	
Supply: any vaccine supply interruption?		No	Yes
Safety: proportion of districts supplied with of autodisable (AD) syringes for all routine in	100%	100%	

#### Immunization schedule

BCG	birth	DTwP	6, 10, 14 weeks
Measles	9 months	OPV	birth; 6, 10, 14 weeks
and 1st	CBAW (15-49 years) contact pregnancy; nonths; +1, +1 year	Vitamin A	6, 9 months

9 months

Yellow Fever

						2	004
Births							40,000
	 nfants						40,000
Total population							73,000
	ality rate (per					,	3
	mortality rate						3
Gross natio	nal income pe	er capita (	(US\$)			:	24,220
	of routine Ex						
Immunizatio	on vaccines fi	nanced by	y governn	nent			100
Nationa	coverage	e rates	(WHO/L	JNICEF	estimates	, 2004)	
	2004	2003	2002	2001	2000	1990	1980
BCG	99%	99%	99%	99%	98%	99%	85%
DTP1	95%	95%	94%	95%	95%	95%	94%
DTP3	94%	96%	95%	96%	95%	85%	84%
НерВ3	93%	95%	96%	96%	94%	74%	
MCV	94%	92%	95%	94%	94%	84%	47%
Pol3	94%	95%	95%	96%	95%	85%	83%
Hib3							
TT2+ (protected at bir	th)						•••
District of	coverage	(as repo	rted)				
						2004	2003
Number of	districts in co	untry					
Percentage	of districts re	porting					
				below	/ 50%		
DTP3: propo	ortion of distr	icts with	coverage	betwe	en 50-79%		
				at 80%	% or above		
MCV: propo	rtion of distri	cte with c	overage a	∟ st 90% o	r above		
	drop-out rate		•			•••	
	ed a rate of le			inoto the			
Supply: any	vaccine supp	y interrup	otion?				
	oortion of dist			sufficie	nt number		
of autodisal	ole (AD) syrin	ges for al	I routine i	mmuniz	ations		
Immuniz	zation sch	edule					
BCG	birt	h; 6 years	s   D	TwP	3, 4	, 5, 18 m	onths
НерВ	birth:	booster a	t N	IMR	1.	-2, 11-12	vears
	12 months	for babie:	s		·	_,	,
		to HbsAg e mother:					
OPV	•	8 months					
J. V		1-12 years					
		,					

# **Slovakia**

#### 2004

Births	51,000
Surviving infants	51,000
Total population	5,401,000
Infant mortality rate (per 1,000 live births)	6
Under-five mortality rate (per 1,000 live births)	9
Gross national income per capita (US\$)	6,480
Percentage of routine Expanded Programme on Immunization vaccines financed by government	80

# National coverage rates (WHO/UNICEF estimates, 2004)

	2004	2003	2002	2001	2000	1990	1980
BCG	98%	98%	98%	93%	94%		
DTP1	99%	99%	99%	99%	99%		
DTP3	99%	99%	99%	99%	99%		
HepB3	99%	99%	99%	99%	99%		
MCV	98%	99%	99%	99%	98%		
Pol3	99%	98%	98%	99%	98%		
Hib3	99%	99%	92%	99%	78%		
TT2+ (protected at birth)							

#### District coverage (as reported)

		2004	2003
Number of districts in country		79	79
Percentage of districts reporting		100%	100%
	below 50%	0%	0%
DTP3: proportion of districts with coverage	between 50-79%	0%	0%
	at 80% or above	100%	100%
MCV: proportion of districts with coverage a	100%	100%	
DTP1–DTP3 drop-out rate: proportion of dist have achieved a rate of less than 10%	ricts that	100%	
Supply: any vaccine supply interruption?		No	Yes
Safety: proportion of districts supplied with of autodisable (AD) syringes for all routine in			

BCG	3 days; 10 years	DTwP	2, 5 years
DTwPHib	9, 15-19 weeks; 9-13 months	НерВ	9, 15-19 weeks; 9-13 months
MMR	14 months; 11 years	OPV	9 weeks; 4, 16, 18 months; 11 years
Td	13 years		io montho, ir youro
НерА	2 years; high-risk groups	IPV	9 weeks; 4, 16, 18 months; 11 years; OPV contraindications

							004
Births					17,000		
Surviving infa							17,000
Total population						1,9	67,000
Infant mortalit							4
Under-five mo Gross nationa	•						14,810
Percentage of	-	-					14,010
Immunization							100
National o	overage	rates	(WHO/L	INICEF	estimates	s, 2004)	
	2004	2003	2002	2001	2000	1990	1980
BCG	98%	98%	98%	98%	98%		•••
DTP1	97%	97%	97%	96%	97%	•••	
DTP3	92%	92%	92%	92%	92%	•••	
HepB3	•••	•••			•••		•••
MCV	94%	94%	94%	94%	94%		•••
Pol3	93%	93%	93%	93%	93%		•••
Hib3	93%	93%	93%	93%			
TT2+ (protected at birth)			•••		•••		
District co	verage (	as repo	rted)				
						2004	2003
Number of dis	stricts in cou	intry				9	9
Percentage of	districts rep	orting				0%	100%
				below	50%		
DTP3: proport	ion of distri	cts with o	coverage	betwe	en 50-79%		
				at 80%	6 or above		
MCV: proporti	on of distric	ts with c	overage a	∟ at 90% o	r ahove		
DTP1-DTP3 dr			_			•••	•••
have achieved							
Supply: any va	ccine supply	y interrup	tion?			Yes	No
Safety: propor of autodisable							
lmmuniza	tion sch	edule					
BCG		birth	n   D	TwPHibl	PV 3, 4.5	i, 6, 18 m	onths
НерВ	6 (2 doses)	7 vears	. N	IMR	12 m	onths; 6	vears
Порв		sk groups	3		12		•
OPV	3, 4.5, 6, 18 9,	months 13 years		a		9 year risk g	s; and roups
TT	,	ears; and sk groups					
			1				

# **Solomon Islands**

#### 2004

Births	15,000
Surviving infants	15,000
Total population	466,000
Infant mortality rate (per 1,000 live births)	34
Under-five mortality rate (per 1,000 live births)	56
Gross national income per capita (US\$)	550
Percentage of routine Expanded Programme on Immunization vaccines financed by government	0

# National coverage rates (WHO/UNICEF estimates, 2004)

	2004	2003	2002	2001	2000	1990	1980
BCG	84%	80%	76%	86%	92%	87%	65%
DTP1	82%	80%	79%	84%	94%	91%	71%
DTP3	80%	76%	71%	78%	82%	77%	46%
HepB3	72%	70%	68%	78%	77%		
MCV	72%	70%	67%	78%	87%	70%	
Pol3	75%	72%	68%	80%	82%	75%	43%
Hib3							
TT2+ (protected at birth)							

#### District coverage (as reported)

		2004	2003
Number of districts in country		10	
Percentage of districts reporting		90%	
	below 50%		20%
DTP3: proportion of districts with coverage	between 50-79%		40%
	at 80% or above		40%
MCV: proportion of districts with coverage at		0%	
DTP1-DTP3 drop-out rate: proportion of distribute achieved a rate of less than 10%		60%	
Supply: any vaccine supply interruption?			
Safety: proportion of districts supplied with sof autodisable (AD) syringes for all routine in			

BCG	birth	DTaP	2, 4, 6 months
НерВ	birth; 2, 4 months	Measles	9 months
OPV	2, 4, 6 months; 5 years	TT	5, 24, 28 years

BirthsSurviving infant Total population Infant mortality Under-five mort Gross national in Percentage of re Immunization v	ts rate (per tality rate income pe outine Exp accines fir	1,000 live l (per 1,000 er capita (L panded Pro nanced by	births) live birth JS\$) ogramme governm	ns)e on		3! 3 7,96	004 59,000 15,000 64,000 133 225 130
National co	verage	e rates (	WHO/L	INICEF	estimates	, 2004)	
	2004	2003	2002	2001	2000	1990	1980
BCG	50%	65%	60%	70%	69%	31%	6%
DTP1	50%	65%	60%	57%	57%	42%	
DTP3	30%	40%	40%	33%	33%	19%	
НерВ3							
MCV	40%	40%	45%	36%	38%	30%	9%
Pol3	30%	40%	40%	33%	37%	18%	8%
Hib3							
TT2+ (protected at birth)	60%	65%	60%	39%	22%		
District cov	erage	(as report	ted)				
						2004	2003
Number of distr	ricts in co	untry				113	74
Percentage of d	istricts re	porting					88%
				below	<i>y</i> 50%	98%	80%
DTP3: proportio	n of distri	icts with co	overage	betwe	en 50-79%	1%	5%
p p				at 80%	% or above	1%	3%
NACV4				L		.,.	
MCV: proportion			Ü			1%	1%
DTP1–DTP3 dro have achieved a				ricts tha	il	0%	19%
Supply: any vac	cine suppl	y interrupt	ion?			No	No
Safety: proporti of autodisable (						100%	100%
Immunizati	on sch	edule_					
BCG		birth	l D	TwP	6	i, 10, 14 v	weeks
Magalag		0 months		PV			
Measles		9 months	U	r V	birth; 6	i, 10, 14 v	weeks

Vitamin A

TT

1st contact pregnancy;

+1, +6 months;

+1, +1 year;

6-59 months,

2 doses a year

### **South Africa**

### 2004

Births	1,093,000
Surviving infants	1,047,000
Total population	47,208,000
Infant mortality rate (per 1,000 live births)	54
Under-five mortality rate (per 1,000 live births)	67
Gross national income per capita (US\$)	3,630
Percentage of routine Expanded Programme on Immunization vaccines financed by government	100

### National coverage rates (WHO/UNICEF estimates, 2004)

	2004	2003	2002	2001	2000	1990	1980
BCG	97%	97%	94%	87%	99%	57%	
DTP1	99%	99%	88%	87%	92%	89%	
DTP3	93%	94%	82%	81%	79%	72%	
HepB3	92%	94%	83%	80%	88%		
MCV	81%	83%	78%	72%	77%	79%	
Pol3	94%	94%	84%	80%	76%	76%	
Hib3	92%	94%	76%	78%	88%		
TT2+ (protected at birth)	61%	52%	52%	60%	60%		

### District coverage (as reported)

Number of districts in country		2004 53	2003 53
Percentage of districts reporting		100%	100%
	below 50%	0%	6%
DTP3: proportion of districts with coverage	between 50-79%	9%	38%
	at 80% or above	91%	57%
MCV: proportion of districts with coverage a	t 90% or above	21%	19%
DTP1–DTP3 drop-out rate: proportion of dist have achieved a rate of less than 10%	85%	81%	
Supply: any vaccine supply interruption?		Yes	No
Safety: proportion of districts supplied with of autodisable (AD) syringes for all routine in			

BCG	birth	DT	5 years
DTwP	18 months	DTwPHib	6, 10, 14 weeks
НерВ	6, 10, 14 weeks	Measles	9, 18 months
OPV	birth; 6, 10, 14 weeks; 18 months; 5 years	π	antenatal and trauma
Vitamin A	post-partum and every 5-6 months		

### **Spain**

	2004
Births	447,000
Surviving infants	445,000
Total population	42,646,000
Infant mortality rate (per 1,000 live births)	3
Under-five mortality rate (per 1,000 live births)	5
Gross national income per capita (US\$)	21,210
Percentage of routine Expanded Programme on Immunization vaccines financed by government	

### National coverage rates (WHO/UNICEF estimates, 2004)

	2004	2003	2002	2001	2000	1990	1980
BCG							
DTP1	98%	98%	98%	98%	98%	97%	
DTP3	96%	98%	96%	96%	95%	93%	
HepB3	97%	83%	82%	81%	80%		
MCV	97%	97%	97%	96%	94%	97%	
Pol3	97%	98%	96%	96%	95%	94%	
Hib3	96%	98%	92%	92%	92%		
TT2+ (protected at birth)							

### District coverage (as reported)

Number of districts in country		2004 19	2003 19
Percentage of districts reporting	100%	100%	
	below 50%	0%	0%
DTP3: proportion of districts with coverage	between 50-79%	0%	0%
	at 80% or above	100%	100%
MCV: proportion of districts with coverage a	t 90% or above	100%	89%
DTP1–DTP3 drop-out rate: proportion of dist have achieved a rate of less than 10%	100%		
Supply: any vaccine supply interruption?		No	
Safety: proportion of districts supplied with of autodisable (AD) syringes for all routine in	100%		

DT	4-6 years	DTaP	4-6 years
DTaPHib	2, 4, 6, 15-18 months	НерВ	birth; 1, 6 months; or 2, 4, 6 months
Influenza	>65 years;	MenC_conj	2, 4, 6 months
MMR	high-risk groups 12-15 months:	Pneumo_con	j high-risk groups
IVIIVIN	3-6 years	Td	14-16 years
Pneumo_ps	high-risk groups		

### Sri Lanka

### 2004

Births	330,000
Surviving infants	325,000
Total population	20,570,000
Infant mortality rate (per 1,000 live births)	12
Under-five mortality rate (per 1,000 live births)	14
Gross national income per capita (US\$)	1,010
Percentage of routine Expanded Programme on Immunization vaccines financed by government	69

### National coverage rates (WHO/UNICEF estimates, 2004)

	2004	2003	2002	2001	2000	1990	1980
BCG	99%	99%	99%	99%	99%	84%	61%
DTP1	98%	99%	99%	99%	99%	95%	71%
DTP3	97%	99%	98%	99%	99%	86%	46%
HepB3	85%						
MCV	96%	99%	99%	99%	99%	80%	
Pol3	97%	98%	98%	99%	99%	86%	46%
Hib3							
TT2+ (protected at birth)							

### District coverage (as reported)

Number of districts in country		2004 26	2003 25
Percentage of districts reporting		100%	100%
	below 50%	0%	0%
DTP3: proportion of districts with coverage	between 50-79%	0%	0%
	at 80% or above	100%	100%
MCV: proportion of districts with coverage a	t 90% or above	100%	100%
DTP1–DTP3 drop-out rate: proportion of dist have achieved a rate of less than 10%	ricts that	100%	100%
Supply: any vaccine supply interruption?		No	No
Safety: proportion of districts supplied with of autodisable (AD) syringes for all routine in		100%	100%

BCG	birth	DT	5 years
DTwP	2, 4, 6, 18 months	Measle	s 9 months
MR	3 years	OPV	2, 4, 6, 18 months; 5 years
Rubella	8 years	TT 2	2 doses 6 weeks apart in 1st
Td	12 years;		pregnancy and 3 doses in subsequent pregnancies
	school-based dose	JE	12, 13, 24 months (subnational)

Births						1,10 1,00	004 63,000 82,000 23,000 63 91 530
National	coverage	rates	(WHO/L	JNICEF	estimates	s, 2004)	
BCG DTP1 DTP3 HepB3 MCV Pol3 Hib3 TT2+	2004 51% 79% 55%  59% 55% 	2003 53% 74% 50%  57% 50% 	2002 48% 65% 40%  49% 40% 	2001 51% 71% 46%  67% 47% 	2000 46% 66% 41%  47% 41% 	1990 77% 83% 62%  57% 62% 	1980 2% 18% 1%  11% 
(protected at birth			٠٠ - ا١				
Number of districts in country  Percentage of districts reporting  Bash 83%  Bash 83%  Below 50%  DTP3: proportion of districts with coverage  below 50%  between 50-79%  at 80% or above  49%  MCV: proportion of districts with coverage at 90% or above  DTP1-DTP3 drop-out rate: proportion of districts that have achieved a rate of less than 10%  Supply: any vaccine supply interruption?  Yes  Yes  Safety: proportion of districts supplied with sufficient number							83% 22% 19% 41% 16%
Immuniza	ation sch	edule					
BCG		birth	D	TwP	(	5, 10, 14 v	weeks
Measles TT 1	Ist contact p	9 months regnancy; 3 months; 1, +1 year	:	PV	6	5, 10, 14 v	weeks

### **Suriname**

### 2004

Births	9,000
Surviving infants	9,000
Total population	446,000
Infant mortality rate (per 1,000 live births)	30
Under-five mortality rate (per 1,000 live births)	39
Gross national income per capita (US\$)	2,250
Percentage of routine Expanded Programme on Immunization vaccines financed by government	100

### National coverage rates (WHO/UNICEF estimates, 2004)

	2004	2003	2002	2001	2000	1990	1980
BCG							
DTP1	92%	81%	86%	90%	88%	94%	50%
DTP3	85%	80%	73%	68%	71%	83%	25%
HepB3							
MCV	86%	71%	73%	82%	79%	65%	1%
Pol3	84%	80%	74%	65%	70%	81%	20%
Hib3							
TT2+ (protected at birth)							

### District coverage (as reported)

		2004	2003		
Number of districts in country		10			
Percentage of districts reporting		100%			
	below 50%	0%			
DTP3: proportion of districts with coverage	between 50-79%	10%			
	at 80% or above	90%			
MCV: proportion of districts with coverage a	t 90% or above	ove 10%			
DTP1–DTP3 drop-out rate: proportion of dist have achieved a rate of less than 10%	ricts that				
Supply: any vaccine supply interruption?		Yes			
Safety: proportion of districts supplied with of autodisable (AD) syringes for all routine in		100%			

DT	3, 4, 5, 12 months; 5-6, 15 years	DTwP	3, 4, 5, 12 months; 5-6 years
MMR Td	1 year 12 years	OPV	3, 4, 5 months; 1, 5 years
Tu	12 years	Yellow Fever	1 year; high risk (subnational)

						2	004
Births						;	30,000
Surviving in	Surviving infants						
Total popula	ation					1,03	34,000
Infant morta	ality rate (per	1,000 live bir	rths)				108
Under-five r	mortality rate	(per 1,000 liv	ve birth	s)			156
Gross natio	nal income pe	er capita (US	\$)				1,660
Percentage of routine Expanded Programme on Immunization vaccines financed by government							100
National	coverage	e rates (W	/HO/U	NICEF e	stimates	, 2004)	
	2004	2003 20	002	2001	2000	1990	1980
BCG	84%	97% 9	7%	95%	90%	96%	
DTP1	94%	96% 98	8%	88%	91%	96%	
DTP3	83%	95% 9	5%	77%	77%	89%	
HepB3	78%	95% 9	5%	78%	76%		
MCV	70%	94% 9	4%	72%	72%	85%	
Pol3	82%	95% 9	5%	76%	76%	89%	
Hib3							
TT2+ (protected at birt	th)						
District of	coverage	(as reporte	d)				
						2004	2003
Number of	districts in co	untry				4	4
Percentage	of districts re	porting				100%	100%
				below 5	0%	0%	0%
DTP3: propo	ortion of distr	icts with cov	erage	betwee	n <b>50-79</b> %	0%	50%
				at 80%	or above	100%	50%
MCV: propo	rtion of distri	cts with cove	rage at	_ · 90% or :	ahove	0%	0%
	drop-out rate		Ü		JOOVC	070	070
	ed a rate of le			ioto triat		75%	50%
Supply: any	vaccine supp	ly interruption	n?				No
Safety: prop	ortion of dist	ricts supplied	d with s	sufficient	number		
of autodisal	ole (AD) syrin	ges for all ro	utine ir	nmunizat	ions		
Immuniz	zation sch	edule					
BCG		birth	DT	wP	6,	. 10, 14 v	veeks;
НерВ	10.	14 weeks			18 m	onths; 5	years
OPV	·		Me	easles		9, 18 m	onths
OFV	birth; 6, 10, 18 month	is; 5 years	TT			nd 1st co	
Vitamin A	6, 12.	18, 24, 30,			pregnar +6 montl	ncy; +4 v hs: +1. +1	
		36 months			2	-,, -	,

### **Sweden**

### 2004

Births	95,000
Surviving infants	95,000
Total population	9,008,000
Infant mortality rate (per 1,000 live births)	3
Under-five mortality rate (per 1,000 live births)	4
Gross national income per capita (US\$)	35,770
Percentage of routine Expanded Programme on Immunization vaccines financed by government	

### National coverage rates (WHO/UNICEF estimates, 2004)

	2004	2003	2002	2001	2000	1990	1980
BCG	16%	16%	16%	16%	16%	13%	3%
DTP1	99%	98%	98%	98%	98%	99%	99%
DTP3	99%	98%	98%	98%	98%	99%	99%
HepB3							
MCV	94%	94%	94%	94%	91%	96%	88%
Pol3	99%	99%	99%	99%	99%	99%	99%
Hib3	98%	98%	98%	99%	98%		
TT2+ (protected at birth)							

### District coverage (as reported)

		2004	2003	
Number of districts in country		290		
Percentage of districts reporting		98%		
	below 50%	0%		
DTP3: proportion of districts with coverage	between 50-79%	0%		
	at 80% or above	98%		
MCV: proportion of districts with coverage a	t 90% or above			
DTP1-DTP3 drop-out rate: proportion of dist have achieved a rate of less than 10%	ricts that			
Supply: any vaccine supply interruption?				
Safety: proportion of districts supplied with of autodisable (AD) syringes for all routine in				

BCG	6 months	DT	10 years
	high-risk groups	MMR	18 months; 12 years
DTaPHibIPV	3, 5, 12 months		io monino, iz youro

						2	004
Births							68,000
Surviving infants							68,000
Total popula	tion					7,2	40,000
Infant morta	lity rate (per 1	,000 live	births)				5
Under-five n	nortality rate (	per 1,000	live birt	hs)			5
Gross nation	nal income per	capita (	US\$)				48,230
	of routine Expansion vaccines fina						
						2224	•••
National	coverage			JNICEF	estimates	5, 2004)	
PCC	2004	2003	2002	2001	2000	1990	1980
BCG DTD1							•••
DTP1	98%	98%	98%	98%	98%	96%	
DTP3	95%	95%	95%	95%	95%	90%	•••
HepB3							•••
MCV	82%	82%	79%	80%	80%	90%	•••
Pol3	95%	95%	94%	95%	95%	98%	
Hib3	91%	91%	90%	77%	77%		
TT2+ (protected at birt	h)			•••		•••	
District o	overage (a	as repor	rted)				
						2004	2003
Number of o	districts in cou	ntry				26	
Percentage of	of districts rep	orting					
				below	50%		
DTP3: propo	ortion of distric	ts with c	overage	hetwe	en 50-79%		
Biro. propo		NO WILLI	overage		6 or above		
				L			
	rtion of district		_				
	drop-out rate: ed a rate of les			tricts tha	it		
	vaccine supply						
	ortion of distri le (AD) syring						
Immuniz	ation sche	edule					
				- D	-> <i>t</i>		
BCG	<1 year; gro	high-risk ups only		laPHibli	5V	15-24 m	2, 4, 6, onths
DTaPIPV	4	4-7 years	: F	lepB		11-15	years;
MMR	12, 15-24	months	;		+1, +	6 month risk g	s; and roups
			Т	ď		11-15	years;
						every 10	

### **Syrian Arab Republic**

### 2004

Births	526,000
Surviving infants	517,000
Total population	18,582,000
Infant mortality rate (per 1,000 live births)	15
Under-five mortality rate (per 1,000 live births)	16
Gross national income per capita (US\$)	1,190
Percentage of routine Expanded Programme on Immunization vaccines financed by government	100

### National coverage rates (WHO/UNICEF estimates, 2004)

	2004	2003	2002	2001	2000	1990	1980
BCG	99%	99%	99%	99%	99%	92%	35%
DTP1	99%	99%	99%	97%	97%	97%	35%
DTP3	99%	99%	99%	92%	94%	91%	13%
HepB3	99%	98%	98%	89%	90%		
MCV	98%	98%	98%	93%	96%	87%	13%
Pol3	99%	99%	99%	92%	94%	90%	13%
Hib3	99%	99%	99%	95%			
TT2+ (protected at birth)							

### District coverage (as reported)

		2004	2003
Number of districts in country		71	71
Percentage of districts reporting		100%	100%
	below 50%	1%	0%
DTP3: proportion of districts with coverage	between 50-79%	10%	0%
	at 80% or above	89%	100%
MCV: proportion of districts with coverage a	56%	100%	
DTP1–DTP3 drop-out rate: proportion of dist have achieved a rate of less than 10%	ricts that	80%	100%
Supply: any vaccine supply interruption?		No	No
Safety: proportion of districts supplied with of autodisable (AD) syringes for all routine in		100%	100%

BCG	birth	DT	6 years
DTwP	18 months	DTwPHib	3, 4, 5 months
НерВ	birth; 3, 10 months	Measles	10 months
MMR	15 months	OPV	birth; 3, 4, 5, 18
TT	CBAW (5 doses)		months; 6 years
MenACWY	6 years; high-risk	Vitamin A	10 months; post-partum mothers

### Tajikistan

						2	004
Births						18	86,000
Surviving infa	nts					10	69,000
Total population	Total population						30,000
Infant mortalit	Infant mortality rate (per 1,000 live births)						91
Under-five mo	rtality rate	(per 1,000	0 live bi	rths)			118
Gross nationa	l income p	er capita (	(US\$)				280
Percentage of Immunization							2
National c	overag	e rates	(WHO	/UNICEF	estimates	, 2004)	
	2004	2003	2002	2001	2000	1990	1980
BCG	97%	99%	98%	97%	99%	•••	
DTP1	87%	88%	87%	88%	88%		
DTP3	82%	82%	80%	83%	83%		
HepB3	81%	58%	35%			•••	
MCV	89%	89%	84%	86%	87%		
Pol3	84%	84%	85%	85%	85%		
Hib3							
TT2+ (protected at birth)							
District co	verage	(as repo	rted)				
Number of dis	stricts in co	untry				2004 65	2003 65
Percentage of	districts re	porting				100%	100%
				belov	v 50%	0%	0%
DTP3: proport	ion of distr	icts with	coverag	e betwe	een 50-79%	5%	0%
				at 809	% or above	95%	100%
MCV: proporti	on of distri	cts with c	overage	e at 90% c	r above	94%	95%
DTP1-DTP3 dr have achieved				istricts th	at	100%	100%
Supply: any va	ccine supp	lv interrur	otion?			Yes	No
Safety: proportion of districts supplied with sufficient number of autodisable (AD) syringes for all routine immunizations					100%	100%	
Immuniza	tion sch	edule					
BCG		3-5 days	s	DT		6	years
DTwP	2, 3, 4, 16-2	23 months	s	НерВ	birt	h; 2, 4 m	onths
Measles	12 month	ns; 6 years	s	OPV		birth; 2	2, 3, 4,
Vitamin A	6-!	59 months (2 doses				12 m	onths

### Tanzania, United Republic of

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Z	U	U	4

Births	1,403,000
Surviving infants	1,256,000
Total population	37,627,000
Infant mortality rate (per 1,000 live births)	78
Under-five mortality rate (per 1,000 live births)	126
Gross national income per capita (US\$)	330
Percentage of routine Expanded Programme on Immunization vaccines financed by government	23

### National coverage rates (WHO/UNICEF estimates, 2004)

	2004	2003	2002	2001	2000	1990	1980
BCG	91%	91%	88%	89%	86%	85%	72%
DTP1	99%	99%	96%	95%	92%	92%	81%
DTP3	95%	95%	89%	85%	79%	78%	59%
HepB3	95%	95%	89%				
MCV	94%	97%	89%	83%	78%	80%	46%
Pol3	95%	97%	91%	62%	64%	78%	57%
Hib3							
TT2+ (protected at birth)	90%	86%	86%	77%	77%		

### District coverage (as reported)

		2004	2003
Number of districts in country		129	119
Percentage of districts reporting			100%
	below 50%	0%	0%
DTP3: proportion of districts with coverage	between 50-79%	9%	16%
	at 80% or above	88%	84%
MCV: proportion of districts with coverage a	t 90% or above	72%	55%
DTP1–DTP3 drop-out rate: proportion of dist have achieved a rate of less than 10%	ricts that	81%	97%
Supply: any vaccine supply interruption?		No	No
Safety: proportion of districts supplied with of autodisable (AD) syringes for all routine in	100%	100%	

BCG	birth	DTwPHep	4, 8, 12 weeks
Measles	9 months	OPV	4, 8, 12 weeks
and 1st	CBAW (15-49 years) contact pregnancy; months: +1 +1 year	Vitamin A	9, 15, 21 months

						2	004
Births						1,0	15,000
Surviving infa	nts					99	96,000
Total population	on					63,69	94,000
Infant mortalit	y rate (per	1,000 live b	oirths)				18
Under-five mo	rtality rate	(per 1,000 l	ive birth	s)			21
Gross nationa	•	•					2,540
Percentage of Immunization							100
National c	overage	e rates (\	WHO/U	NICEF 6	stimates	, 2004)	
	2004	2003	2002	2001	2000	1990	1980
BCG	99%	99%	99%	99%	99%	99%	68%
DTP1	99%	99%	98%	98%	98%	97%	73%
DTP3	98%	98%	96%	96%	97%	92%	49%
НерВ3	96%	96%	95%	95%	95%		
MCV	96%	96%	94%	94%	94%	80%	
Pol3	98%	98%	97%	97%	97%	92%	19%
Hib3							
TT2+ (protected at birth)							
District co	verage	(as reporte	ed)				
						2004	2003
Number of dis	stricts in co	untry				926	
Percentage of	districts re	porting					
				below	50%		
DTP3: proport	ion of distr	icts with co	verage	betwee	n 50-79%		
				at 80%	or above		
1401/				L			
MCV: proporti			•		above		•••
DTP1–DTP3 dr have achieved				iicis iiiai			
Cumply ony vo	ooino ounn	ly interruption	on?			No	
Supply: any va Safety: propor				cufficions	numbor	INO	
of autodisable							
lmmuniza	tion sch	edule					
BCG		birth	רם	ſwΡ		2, 4, 6 mg	
НерВ	birth; 2,	6 months	N/L	easles		1.5-2, 4-5 9-12 m	•
MMR	scho	olchildren grade 1	OF	γ\		2, 4, 6 m	onths
Td schoolchildre			TT	-		ant wom	
grade 6				visit; +1, +6 montl +10, +10 yea			

### The former Yugoslav Republic of Macedonia

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Z	U	U	4

Births	23,000
Surviving infants	23,000
Total population	2,030,000
Infant mortality rate (per 1,000 live births)	13
Under-five mortality rate (per 1,000 live births)	14
Gross national income per capita (US\$)	2,350
Percentage of routine Expanded Programme on Immunization vaccines financed by government	99

### National coverage rates (WHO/UNICEF estimates, 2004)

	2004	2003	2002	2001	2000	1990	1980
BCG	94%	95%	91%	97%	97%		
DTP1	96%	99%	99%	95%	98%		
DTP3	94%	96%	96%	90%	95%		
HepB3							
MCV	96%	96%	98%	92%	97%		
Pol3	95%	96%	97%	91%	96%		
Hib3							
TT2+ (protected at birth)							

### District coverage (as reported)

Number of districts in country		2004 31	2003 31
Percentage of districts reporting		100%	100%
	below 50%	0%	0%
DTP3: proportion of districts with coverage	between 50-79%	0%	0%
	at 80% or above	100%	100%
MCV: proportion of districts with coverage a	t 90% or above	97%	97%
DTP1–DTP3 drop-out rate: proportion of dist have achieved a rate of less than 10%	ricts that		0%
Supply: any vaccine supply interruption?		No	No
Safety: proportion of districts supplied with of autodisable (AD) syringes for all routine in			

BCG	birth; 7, 14 years	DT	6 years
DTwP	4, 5, 6, 18 months;	НерВ	birth; 2, 6 months
JE	4 years 1.5-2 years (2 doses);	MMR	5.5 months; 7 years
	2.5-3 years; 1-2 weeks apart	Td	7, 14 years
OPV	4, 5.5, 7, 20 months; 7, 14 years	Rubella	14 years
TT	18 years		

						2	004
Births							45,000
Surviving i	nfants						41,000
Total popul	lation					8	87,000
Infant mort	tality rate (per 1	,000 live	births)				64
Under-five	mortality rate (	per 1,000	0 live bi	rths)			80
Gross national income per capita (US\$)							550
Percentage of routine Expanded Programme on Immunization vaccines financed by government							0
Nationa	l coverage	rates	(WHO	UNICEF	estimates	s, 2004)	
	2004	2003	2002	2001	2000	1990	1980
BCG	72%	72%	66%				
DTP1	65%	65%	62%				
DTP3	57%	57%	44%				
HepB3							
MCV	55%	55%	39%				
Pol3	57%	57%	43%				
Hib3							
TT2+ (protected at bi	rth)						
District	coverage (	as repo	rted)				
						2004	2003
Number of	districts in cou	ntry				13	13
Percentage	of districts rep	orting				100%	100%
				below	v 50%	0%	8%
DTP3: prop	ortion of distric	cts with o	coverag	e betwe	een 50-79%	62%	62%
				at 809	% or above	38%	31%
	ortion of distric					15%	15%
	3 drop-out rate: ved a rate of le			stricts tha	at		8%
Supply: any	vaccine supply	interrup	tion?			No	No
	portion of distr ble (AD) syring					100%	100%
Immuni	zation sch	edule					
BCG		birth	1	DTwP	(	6, 10, 14 ·	weeks
Measles	9	9 months	5	OPV			6, 10, weeks
TT 1st contact pregnancy; +1, +6 months; Vitamin A 6, +1, +1 year						, 12, 18, 2	

### Togo

### 2004

Births	233,000
Surviving infants	211,000
Total population	5,988,000
Infant mortality rate (per 1,000 live births)	78
Under-five mortality rate (per 1,000 live births)	140
Gross national income per capita (US\$)	380
Percentage of routine Expanded Programme on Immunization vaccines financed by government	40

### National coverage rates (WHO/UNICEF estimates, 2004)

	2004	2003	2002	2001	2000	1990	1980
BCG	91%	79%	81%	82%	84%	97%	
DTP1	83%	83%	75%	77%	80%	90%	
DTP3	71%	72%	59%	62%	64%	77%	
HepB3							
MCV	70%	68%	48%	53%	58%	73%	
Pol3	71%	72%	58%	60%	63%	76%	
Hib3							
TT2+ (protected at birth)	61%	56%	38%	40%	47%		

### District coverage (as reported)

Number of districts in country		2004 35	2003 35
Percentage of districts reporting		100%	100%
	below 50%	3%	0%
DTP3: proportion of districts with coverage	between 50-79%	54%	71%
	at 80% or above	43%	29%
MCV: proportion of districts with coverage a	23%	14%	
DTP1–DTP3 drop-out rate: proportion of dist have achieved a rate of less than 10%	31%	34%	
Supply: any vaccine supply interruption?		Yes	Yes
Safety: proportion of districts supplied with sufficient number of autodisable (AD) syringes for all routine immunizations			100%

### Immunization schedule

BCG	birth	DTwP	6, 10, 14 weeks
Measles	9 months	OPV	birth; 6, 10, 14 weeks
	pregnant women contact pregnancy; nonths; +1, +1 year	Vitamin A	6, 10, 14 weeks; 9 months

9 months

Yellow Fever

						2	004
Births							2,000
Surviving in	fants						2,000
Total popula	tion					10	02,000
Infant morta	lity rate (per 1	,000 live	births)				20
Under-five m	nortality rate (	per 1,000	) live birtl	าร)			25
Gross nation	nal income per	capita (	US\$)				1,830
	of routine Expa n vaccines fina						100
National	coverage	rates	(WHO/L	JNICEF	estimates	, 2004)	
	2004	2003	2002	2001	2000	1990	1980
BCG	99%	99%	99%	91%	99%	99%	99%
DTP1	99%	99%	96%	99%	98%	97%	65%
DTP3	99%	98%	90%	94%	95%	94%	40%
HepB3	99%	93%	95%	96%	97%	94%	
MCV	99%	99%	90%	93%	95%	86%	
Pol3	99%	98%	90%	95%	95%	93%	20%
Hib3							
TT2+ (protected at birth	···						
District c	overage (a	as repoi	rted)				
						2004	2003
Number of d	listricts in cou	ntry				14	30
Percentage of	of districts rep	orting				100%	100%
				below	50%		0%
DTP3: propo	rtion of distric	ts with o	overage	betwe	en 50-79%		0%
				at 80%	% or above		100%
MCV: propor	tion of district	s with c	overage a	nt 90% o	r above		100%
DTP1-DTP3	drop-out rate:	proporti	on of dist	tricts tha	nt		
have achieve	ed a rate of les	ss than 1	0%				100%
Supply: any	vaccine supply	interrup	tion?			Yes	No
	ortion of distri le (AD) syring					100%	100%
Immuniz	ation sche	edule					
BCG		birth	ı   D	TwP	6	, 12, 18 v	veeks:
НерВ	birth; 6, <sup>2</sup>				5-6 years	s; childre	n and
				ID	•	nool grad	
OPV	6, 10, 1	14 weeks		IR		ear; 18 m	
			Т	Т		act pregr eks; 6 m	
						ears; mo	,

### **Trinidad and Tobago**

### 2004

Births	19,000
Surviving infants	18,000
Total population	1,301,000
Infant mortality rate (per 1,000 live births)	18
Under-five mortality rate (per 1,000 live births)	20
Gross national income per capita (US\$)	8,580
Percentage of routine Expanded Programme on Immunization vaccines financed by government	100

### National coverage rates (WHO/UNICEF estimates, 2004)

	2004	2003	2002	2001	2000	1990	1980
BCG							
DTP1	91%	93%	90%	91%	90%	94%	51%
DTP3	94%	91%	96%	91%	90%	82%	26%
HepB3	94%	76%	5%				
MCV	95%	88%	87%	91%	90%	70%	
Pol3	94%	91%	96%	91%	90%	87%	38%
Hib3	94%	92%	59%	85%	74%		
TT2+ (protected at birth)							

### District coverage (as reported)

		2004	2003
Number of districts in country		9	9
Percentage of districts reporting		100%	100%
	below 50%	0%	0%
DTP3: proportion of districts with coverage	between 50-79%	0%	0%
	at 80% or above	100%	100%
MCV: proportion of districts with coverage a		22%	
DTP1–DTP3 drop-out rate: proportion of dist have achieved a rate of less than 10%		100%	
Supply: any vaccine supply interruption?		No	
Safety: proportion of districts supplied with of autodisable (AD) syringes for all routine in		100%	

DTwP	1, 4 years	DTwPHibHep	3, 4, 5 months
Hib	1 year; defaulter	MMR	1, 4 years
OPV	3, 4, 5, 18 months; 4 years	Td	10 years
Yellow Fever	1, 10 years		

						2	004	
Births						1	66,000	
Surviving in	Surviving infants							
Total popula	ation					9,9	95,000	
Infant morta	ality rate (per 1	,000 live	births)				21	
Under-five r	mortality rate (	per 1,000	0 live birth	ıs)			25	
Gross nation	nal income per	capita (	US\$)				2,630	
	of routine Expansion vaccines fina						100	
National	coverage	rates	(WHO/U	NICEF	estimates	, 2004)		
	2004	2003	2002	2001	2000	1990	1980	
BCG	97%	93%	91%	91%	95%	96%		
DTP1	97%	96%	96%	98%	98%	97%		
DTP3	97%	95%	96%	98%	96%	93%		
HepB3	96%	92%	93%	94%	94%			
MCV	95%	90%	94%	92%	95%	93%		
Pol3	97%	95%	96%	98%	96%	93%		
Hib3	97%	96%	•••					
TT2+ (protected at birt	th)							
District of	coverage (a	as repo	rted)					
						2004	2003	
Number of	districts in cou	ntry				225	225	
Percentage	of districts rep	orting				100%	100%	
				below	50%	0%	0%	
DTP3: propo	ortion of distric	ts with o	coverage	betwe	en 50-79%	0%	3%	
				at 80%	6 or above	100%	97%	
MCV: propo	rtion of district	s with c	overage a	t 90% o	r above	88%	72%	
	drop-out rate: ed a rate of les			ricts tha	t	100%	100%	
						10076		
	vaccine supply						No	
	oortion of distri ole (AD) syring							
lmmuniz	zation sche	edule						
BCG	birth	; 6 years	s D	ΓwΡ	3, 4	, 5, 18 m	onths	
НерВ	3, 4, 9	months	s Hi	b		3, 4, 9 m	onths	
Measles	Measles 15 months; 6 years MMR				12	years		
OPV	3, 4, 5 mont			i		6, 12, 18	years	
		18 years	S M	R		12	years	
							,	

### Turkey

### 2004

Births	1.505.000
	,,
Surviving infants	1,445,000
Total population	72,220,000
Infant mortality rate (per 1,000 live births)	28
Under-five mortality rate (per 1,000 live births)	32
Gross national income per capita (US\$)	3,750
Percentage of routine Expanded Programme on Immunization vaccines financed by government	100

### National coverage rates (WHO/UNICEF estimates, 2004)

	2004	2003	2002	2001	2000	1990	1980
BCG	88%	89%	89%	89%	89%	93%	
DTP1	86%	76%	82%	95%	92%	94%	67%
DTP3	85%	68%	78%	88%	85%	84%	42%
HepB3	77%	68%	72%	77%	71%		
MCV	81%	75%	82%	90%	86%	78%	27%
Pol3	85%	69%	78%	88%	85%	84%	63%
Hib3							
TT2+ (protected at birth)	41%	37%	37%	38%	38%		

### District coverage (as reported)

Number of districts in country		2004 81	2003 81
Percentage of districts reporting		100%	100%
	below 50%	1%	6%
DTP3: proportion of districts with coverage	between 50-79%	27%	90%
	at 80% or above	72%	4%
MCV: proportion of districts with coverage a	7%	0%	
DTP1–DTP3 drop-out rate: proportion of dist have achieved a rate of less than 10%	84%	74%	
Supply: any vaccine supply interruption?		No	Yes
Safety: proportion of districts supplied with of autodisable (AD) syringes for all routine in			

BCG	2 months; 6 years	DTwP	2, 3, 4, 16-24 months
НерВ	birth; 2, 9 months; and high-risk groups	Measles	9 months; 6 years; and soldiers
OPV	2, 3, 4, 16-24 months; 6 years	Td	6, 13 years; and soldiers
TT	1st contact pregnancy; +1, +6 months; +1, +1 year		

### Turkmenistan

						2	004
Births						1	07,000
Surviving infa	!	99,000					
Total population	on					4,7	66,000
Infant mortalit	ty rate (per	1,000 live	birth	s)			80
Under-five mo	rtality rate	(per 1,00	0 live	births)			103
Gross nationa	I income pe	r capita (	(US\$)				1,340
Percentage of Immunization			-				67
National c	coverage	rates	(WH	O/UNICE	F estimates	s, 2004)	
	2004	2003	200	2 2001	2000	1990	1980
BCG	99%	99%	99%	99%	99%		
DTP1	98%	96%	99%	96%	97%		
DTP3	97%	83%	98%	95%	97%		
HepB3	96%	97%	96%				
MCV	97%	97%	88%	98%	97%		
Pol3	98%	66%	99%	94%	98%		
Hib3							
TT2+ (protected at birth)							
District co	verage	as repo	rted)				
						2004	2003
Number of dis	stricts in cou	untry				61	61
Percentage of	districts rep	oorting				100%	100%
				belo	w 50%	0%	0%
DTP3: proport	ion of distri	cts with	covera	age betv	veen 50-79%	0%	23%
				at 80	0% or above	100%	77%
MCV: proporti	on of dietric	ete with o	overa	_ ge at 90%	or above	98%	92%
DTP1-DTP3 dr				•		30 /6	JZ /0
have achieved				districts ti	iat	100%	72%
Supply: any va	accine suppl	y interrup	otion?			Yes	Yes
Safety: proportion of districts supplied with sufficient number of autodisable (AD) syringes for all routine immunizations 72% 100						100%	
Immuniza	tion sch	edule					
BCG	3-5	days; 6-7		DT		6	years
bed	3 3	15 years					
DTwP	2, 3, 4, 1	8 months	s	НерВ	birt	th; 2, 4 m	
Measles	12-1!	5 months	s:	Mumps		12-15 m	onths
		6 years		Td		15, 25	years
OPV		/s; 2, 3, 4 8 month:					

### Tuvalu

### 2004

Births	
Surviving infants	
Total population	10,000
Infant mortality rate (per 1,000 live births)	36
Under-five mortality rate (per 1,000 live births)	51
Gross national income per capita (US\$)	
Percentage of routine Expanded Programme on Immunization vaccines financed by government	100

### National coverage rates (WHO/UNICEF estimates, 2004)

	2004	2003	2002	2001	2000	1990	1980
BCG	99%	99%	99%	99%	99%	96%	99%
DTP1	99%	97%	99%	99%	80%	99%	61%
DTP3	98%	93%	98%	96%	75%	99%	36%
HepB3	98%	95%	99%	99%	99%		
MCV	98%	95%	99%	99%	81%	95%	
Pol3	98%	93%	98%	96%	75%	84%	23%
Hib3							
TT2+ (protected at birth)							

### District coverage (as reported)

		2004	2003
Number of districts in country		9	
Percentage of districts reporting		100%	
	below 50%	0%	
DTP3: proportion of districts with coverage	between 50-79%	0%	
	at 80% or above	100%	
MCV: proportion of districts with coverage a	t 90% or above	100%	
DTP1–DTP3 drop-out rate: proportion of dist have achieved a rate of less than 10%	100%		
Supply: any vaccine supply interruption?	No		
Safety: proportion of districts supplied with a of autodisable (AD) syringes for all routine in	100%		

BCG	birth; 6 years	DTwP	6, 10, 14 weeks
НерВ	birth; 6 weeks; 9 months	Measles	9 months
OPV	birth; 6, 10, 14 weeks	TT	1st contact pregnancy; 4 weeks; 6 months; 1, 1 year

### Uganda

						2	004
Births						1,4	12,000
Surviving infan	ts					1,2	99,000
Total population						27,8	21,000
Infant mortality	rate (per	1,000 live	births)				80
Under-five mor	tality rate	(per 1,000	0 live birtl	าร)			138
Gross national	income pe	er capita (	US\$)				270
Percentage of r Immunization v							7
National co	overage	e rates	(WHO/L	INICEF	estimates	, 2004)	
	2004	2003	2002	2001	2000	1990	1980
BCG	99%	96%	96%	92%	83%	75%	
DTP1	99%	96%	91%	82%	72%	72%	
DTP3	87%	81%	72%	61%	58%	45%	
HepB3	87%	63%	42%				
MCV	91%	82%	77%	63%	61%	52%	
Pol3	86%	82%	73%	62%	57%	45%	
Hib3	87%	63%	42%				
TT2+	53%	48%	50%	45%	42%		
(protected at birth)							
District cov	/erage	(as repo	rted)				
2004 2003							2003
Number of dist	ricts in co	untry				56	56
Percentage of o	districts re	porting				100%	100%
				below	50%	2%	5%
DTP3: proportion	on of distr	icts with o	coverage	betwe	en 50-79%	34%	41%
				at 80%	or above	64%	54%
MCV: proportio	n of distri	cts with c	overage a	nt 90% oı	above	38%	23%
DTP1-DTP3 drop-out rate: proportion of districts that have achieved a rate of less than 10% 30% 33					32%		
Supply: any vac	cine suppl	y interrup	otion?			Yes	Yes
	Safety: proportion of districts supplied with sufficient number of autodisable (AD) syringes for all routine immunizations 100% 100%					100%	
Immunizat	ion sch	edule					
DCC		hirth	, ,	Tw.DU:hL	lon 6	10 14	wooks

BCG	birth	DTwPHibHep	6, 10, 14 weeks
Measles	9 months	OPV	birth; 6, 10, 14 weeks
and 1st co	AW (15-49 years) ontact pregnancy; onths; +1, +1 year	Vitamin A	6, 12, 18, 24, 30, 36, 42 months; total 10 doses

### **Ukraine**

### 2004

Births	391,000
Surviving infants	385,000
Total population	46,989,000
Infant mortality rate (per 1,000 live births)	14
Under-five mortality rate (per 1,000 live births)	18
Gross national income per capita (US\$)	1,260
Percentage of routine Expanded Programme on Immunization vaccines financed by government	100

### National coverage rates (WHO/UNICEF estimates, 2004)

	2004	2003	2002	2001	2000	1990	1980
BCG	98%	98%	98%	98%	99%		
DTP1	96%	98%	99%	99%	99%		
DTP3	99%	97%	99%	99%	99%		
HepB3	98%	77%	48%	7%	4%		
MCV	99%	99%	99%	99%	99%		
Pol3	99%	99%	99%	99%	99%		
Hib3							
TT2+ (protected at birth)							

### District coverage (as reported)

		2004	2003
Number of districts in country		647	652
Percentage of districts reporting		100%	100%
	below 50%	0%	0%
DTP3: proportion of districts with coverage	0%	0%	
	at 80% or above	100%	100%
MCV: proportion of districts with coverage a	100%	100%	
DTP1–DTP3 drop-out rate: proportion of dist have achieved a rate of less than 10%	100%	100%	
Supply: any vaccine supply interruption?	No	No	
Safety: proportion of districts supplied with sof autodisable (AD) syringes for all routine in	100%		

BCG	3 days; 7, 14 years
DTaP	3, 4, 5, 18 months
IPV	3, 4 months
Mumps	15 years; young men
Rubella	15 years; girls only
TT	60 years; persons older
	than 60 not vaccinated last
	10 years

DT	6 years
НерВ	1 day; 1, 6 months; adult (medical workers)
MMR	12-15 months; 6 years; if not contracted by 6 years of age
OPV	5, 18 months; 3, 6, 14 years
Td	11 years; over 18 years a dose is given every 10 years

### **United Arab Emirates**

							2	004
Births							(	67,000
Surviving infants								66,000
Total po	Total population							
Infant n	Infant mortality rate (per 1,000 live births)							7
Under-f	ive mortal	ity rate (p	oer 1,000	live birtl	าร)			8
	national ind							18,060
	age of rou ization vac							100
Natio	nal cov	erage	rates	(WHO/L	INICEF	estimates	, 2004)	
		2004	2003	2002	2001	2000	1990	1980
BCG		98%	98%	98%	98%	98%	96%	15%
DTP1		96%	96%	96%	96%	96%	95%	32%
DTP3		94%	94%	94%	94%	94%	85%	11%
HepB3		92%	92%	92%	92%	92%		
MCV		94%	94%	94%	94%	94%	80%	34%
Pol3		94%	94%	94%	94%	94%	85%	11%
Hib3		94%	94%	94%	92%	92%		•••
TT2+ (protected	at birth)							
District coverage (as reported)								
						2004	2003	
Number of districts in country						9	9	
Percentage of districts reporting						100%	100%	
below 50%						0%	0%	
DTP3: p	roportion	of distric	ts with c	overage	betwe	en 50-79%	0%	0%
					at 80%	or above	100%	100%
MCV: p	roportion (	of district	s with co	overage a	ıt 90% or	above	100%	100%
	TP3 drop-				ricts tha	t		
have ac	hieved a r	ate of les	s than 1	0%			0%	0%
Supply:	any vaccir	ne supply	interrup	tion?			No	No
	proportior disable (Al							
lmmı	unizatio	n sche	dule					
BCG			birth	D	Т		6	years
DTwP					h; 1, 9 m	onths		
Hib	2	2, 4, 6, 15	months	N	leasles		9 m	onths
MMR		5 months			PV	2, 4	, 6, 18 m	
Rubella			ars; girls		D	,		years
				Ye	ellow Fev	/er	trav	ellers/

### **United Kingdom**

### 2004

Births	663,000
Surviving infants	660,000
Total population	59,479,000
Infant mortality rate (per 1,000 live births)	5
Under-five mortality rate (per 1,000 live births)	6
Gross national income per capita (US\$)	33,940
Percentage of routine Expanded Programme on Immunization vaccines financed by government	

### National coverage rates (WHO/UNICEF estimates, 2004)

	2004	2003	2002	2001	2000	1990	1980
BCG							
DTP1	96%	97%	97%	97%	97%	94%	66%
DTP3	90%	91%	91%	94%	92%	84%	41%
HepB3							
MCV	81%	80%	83%	85%	88%	87%	53%
Pol3	91%	91%	91%	94%	92%	92%	81%
Hib3	91%	91%	91%	94%	92%		
TT2+ (protected at birth)							

### District coverage (as reported)

Number of districts in country		2004 50	2003 123
Percentage of districts reporting		100%	100%
	below 50%	0%	0%
DTP3: proportion of districts with coverage	2%	2%	
	at 80% or above	98%	98%
MCV: proportion of districts with coverage a	10%	4%	
DTP1–DTP3 drop-out rate: proportion of dist have achieved a rate of less than 10%		100%	
Supply: any vaccine supply interruption?	No		
Safety: proportion of districts supplied with of autodisable (AD) syringes for all routine in			

BCG	3 days; 7, 14 years	DT	6 years
DTaP	3, 4, 5, 18 months	НерВ	1 day; 1, 6 months; adult (medical workers)
MMR	12-15 months; 6 years; if not contracted by 6 years of age	OPV	5, 18 months; 3, 6, 14 years
Td	11 years; over 18 years a dose is given every 10 years	TT	60 years; persons older than 60 not vaccinated last 10 years

### **United States of America**

						2	2004
Births						4,1	34,000
Surviving infar	nts					4,1	06,000
Total populatio	n					295,4	10,000
Infant mortality rate (per 1,000 live births)							7
Under-five mortality rate (per 1,000 live births)							8
Gross national income per capita (US\$)							41,400
Percentage of routine Expanded Programme on Immunization vaccines financed by government							56
National c	overage	e rates	(WHC	/UNIC	EF estimat	tes, 2004)	
	2004	2003	2002	200	1 2000	1990	1980
BCG	•••	•••			•••	•••	
DTP1	99%	99%	97%	97%		96%	98%
DTP3	96%	96%	94%	94%	94%	90%	96%
HepB3	92%	92%	88%	89%		•••	
MCV	93%	93%	91%	91%		90%	86%
Pol3	92%	91%	90%	90%		85%	95%
Hib3	94%	94%	93%	93%	93%	•••	
TT2+ (protected at birth)							
District co	verage	(as repo	rted)				
						2004	2003
Number of dist	tricts in co	untry					
Percentage of	districts re	porting					
				bel	ow 50%		
DTP3: proporti	on of distr	icts with o	coverag	e bet	tween 50-79	9%	
				at 8	80% or abo	ve	
MCV: proportion	n of distri	cts with c	overage	e at 90%	6 or above		
DTP1-DTP3 dro				istricts	that		
have achieved	a rate of le	ess than 1	10%				
Supply: any vad	ccine supp	ly interrup	otion?			No	
Safety: proport of autodisable						er 	
Immunizat	ion sch	edule					
DTaP	8 months;	2, 4, 6		НерВ	1	birth-2 m 4, 6 month	
		•				o high-risk	
ПΙΟ 2	2, 4, 6, 12-1	o months	5	IPV	2, 4	, 6, 12-15 m	nonths
MMR	12-1	5 months 4-6 years		Td	11-	18 years; b every 10	

### **Uruguay**

### 2004

Births	57,000
Surviving infants	56,000
Total population	3,439,000
Infant mortality rate (per 1,000 live births)	15
Under-five mortality rate (per 1,000 live births)	17
Gross national income per capita (US\$)	3,950
Percentage of routine Expanded Programme on Immunization vaccines financed by government	100

### National coverage rates (WHO/UNICEF estimates, 2004)

	2004	2003	2002	2001	2000	1990	1980
BCG	99%	99%	99%	99%	99%	99%	56%
DTP1	98%	98%	99%	99%	92%	98%	77%
DTP3	95%	91%	95%	94%	90%	97%	53%
HepB3	94%	91%	95%	94%	92%		
MCV	95%	95%	95%	94%	89%	97%	50%
Pol3	95%	91%	95%	94%	92%	97%	59%
Hib3	94%	91%	95%	90%	88%		
TT2+ (protected at birth)							

### District coverage (as reported)

		2004	2003
Number of districts in country		279	266
Percentage of districts reporting		100%	100%
	below 50%	0%	0%
DTP3: proportion of districts with coverage	between 50-79%	0%	0%
	at 80% or above	100%	100%
MCV: proportion of districts with coverage a	t 90% or above	100%	98%
DTP1–DTP3 drop-out rate: proportion of dist have achieved a rate of less than 10%	ricts that	100%	93%
Supply: any vaccine supply interruption?			No
Safety: proportion of districts supplied with of autodisable (AD) syringes for all routine in		100%	

BCG	birth	DT	2, 4, 6, 12 months; special groups
DTwP	5 years	DTwPHibHep	2, 4, 6, 12 months
НерВ	12 years; +1, +6 months	Hib ir	2, 4, 6, 12 months;
MMR	12 months; 5 years	OPV	2, 4, 6, 12 months
Td	12 years; (every 10 years)		

						2	004
Births						6	11,000
Surviving infar	nts					5	75,000
Total populatio	n					26,2	09,000
Infant mortality	rate (per 1	,000 live	births)				57
Under-five mortality rate (per 1,000 live births)							69
Gross national	income pe	r capita (	US\$)				460
Percentage of							00
Immunization v	accines fin	anced by	governr	nent			80
National c	overage	rates	(WHO/l	JNICEF	estimates	, 2004)	
	2004	2003	2002	2001	2000	1990	1980
BCG	99%	98%	98%	98%	98%		•••
DTP1	99%	99%	98%	97%	97%		
DTP3	99%	98%	98%	97%	96%		
HepB3	99%	99%	92%	8%	5%		
MCV	98%	99%	97%	99%	99%		
Pol3	99%	99%	99%	99%	96%		
Hib3							
TT2+ (protected at birth)							
District co	verage (	as repoi	rted)				
						2004	2003
Number of dist	tricts in cou	ntry				199	204
Percentage of	districts rep	orting		_		100%	100%
				below	/ 50%	0%	0%
DTP3: proporti	on of distric	cts with c	overage	betwe	en 50-79%	0%	0%
				at 80%	% or above	100%	100%
MCV: proportio	n of distric	ts with co	overage	at 90% o	r above	100%	100%
DTP1-DTP3 dro				tricts tha	at		
have achieved	a rate of le	ss than 1	0%			100%	100%
Supply: any vad	ccine supply	/ interrup	tion?			No	No
Safety: proport						4000/	4000/
of autodisable	(AD) syring	es for all	routine	ımmunız	ations	100%	100%
lmmunizat	ion sch	edule					
BCG	3 days; 7,	14 years	;   C	TwP	2, 3	, 4, 16 m	onths
НерВ	birth; 2, 6	6 months	: N	/leasles	12 m	onths; 6	years
Mumps	16	6 months		PV		3 days; 2	2, 3, 4,
Td	7, 16, 26,	46 years				onths; 7	
. 4	7, 10, 20,	→o years	V	'itamin A		6-59 m	onths

### Vanuatu

### 2004

Births	6,000
Surviving infants	6,000
Total population	207,000
Infant mortality rate (per 1,000 live births)	32
Under-five mortality rate (per 1,000 live births)	40
Gross national income per capita (US\$)	1,340
Percentage of routine Expanded Programme on Immunization vaccines financed by government	100

### National coverage rates (WHO/UNICEF estimates, 2004)

	2004	2003	2002	2001	2000	1990	1980
BCG	63%	63%	86%	90%	99%	96%	
DTP1	73%	73%	77%	97%	96%	91%	
DTP3	49%	49%	54%	93%	90%	76%	
HepB3	56%	56%	54%	69%	75%		
MCV	48%	48%	44%	94%	94%	66%	
Pol3	53%	53%	53%	87%	87%	78%	
Hib3							
TT2+ (protected at birth)							

### District coverage (as reported)

		2004	2003
Number of districts in country			6
Percentage of districts reporting			100%
	below 50%		50%
DTP3: proportion of districts with coverage	between 50-79%		33%
	at 80% or above		17%
MCV: proportion of districts with coverage a	t 90% or above		0%
DTP1–DTP3 drop-out rate: proportion of dist have achieved a rate of less than 10%			
Supply: any vaccine supply interruption?		No	No
Safety: proportion of districts supplied with of autodisable (AD) syringes for all routine in	100%	100%	

BCG	birth	DT	6 years
DTwP	6, 10, 14 weeks	НерВ	birth; 10, 14 weeks
Measles TT	9 months  1st contact pregnancy; 4 weeks; 6 months; 1, 1 year	OPV	6, 10, 14 weeks; 6 years

### Venezuela, Bolivarian Republic of

						2	004
Births						5	90,000
Surviving infar	nts					5	80,000
Total populatio	n					26,2	82,000
Infant mortality	-						16
Under-five mortality rate (per 1,000 live births)							19
Gross national	-	-					4,020
Percentage of routine Expanded Programme on Immunization vaccines financed by government						100	
National c	overage	rates	(WHO/l	JNICEF	estimates	, 2004)	
	2004	2003	2002	2001	2000	1990	1980
BCG	97%	91%	90%	93%	99%	82%	72%
DTP1	99%	85%	85%	85%	92%	84%	79%
DTP3	86%	68%	65%	70%	77%	63%	56%
HepB3	82%	75%	60%	54%	5%		
MCV	80%	82%	83%	98%	84%	61%	50%
Pol3	83%	86%	81%	87%	86%	72%	95%
Hib3	61%	54%	56%	30%	2%		•••
TT2+ (protected at birth)							
District co	verage (	as repo	rted)				
N 1 6 11 1						2004	2003
Number of dist		•				365	365
Percentage of	districts rep	orting		г	<b></b> 00/	100%	53%
				below		6%	6%
DTP3: proporti	on of distric	ets with o	coverage		en 50-79%	27%	18%
				at 80%	6 or above	67%	29%
MCV: proportion	on of distric	ts with c	overage a	at 90% o	r above	42%	25%
DTP1–DTP3 dro have achieved				tricts tha	it	40%	72%
Supply: any vad	ccine supply	interrup	tion?				Yes
Safety: proport		-		sufficier	nt number		
of autodisable	(AD) syring	es for all	I routine	immuniz	ations		
Immunizat	ion sche	edule					
BCG		birth	n   D	TwP	2, 4	, <b>6</b> , 18 m	onths
DTwPHibHep	2, 4, 6	6 months	s H	lepB	birt	h; 1, 6 m	onths
Hib	2, 4, 6	6 months	s N	1MR			1 year
OPV	birth; 2, 4, 6	6 months	; T	T/Td		CBAW a	nd 1st
	12 months;					act pregr	nancy; onths;

### **Viet Nam**

### 2004

Births	1,644,000
Surviving infants	1,597,000
Total population	83,123,000
Infant mortality rate (per 1,000 live births)	17
Under-five mortality rate (per 1,000 live births)	23
Gross national income per capita (US\$)	550
Percentage of routine Expanded Programme on Immunization vaccines financed by government	70

### National coverage rates (WHO/UNICEF estimates, 2004)

	2004	2003	2002	2001	2000	1990	1980
BCG	96%	97%	97%	97%	98%	90%	
DTP1	92%	99%	85%	99%	97%	96%	
DTP3	96%	99%	75%	96%	96%	88%	
HepB3	94%	78%					
MCV	97%	93%	96%	98%	97%	88%	
Pol3	96%	96%	92%	96%	96%	88%	
Hib3							
TT2+ (protected at birth)	85%	85%	79%	79%	79%		

### District coverage (as reported)

		2004	2003
Number of districts in country		667	646
Percentage of districts reporting		100%	96%
	below 50%	1%	0%
DTP3: proportion of districts with coverage	between 50-79%	3%	2%
	at 80% or above	97%	94%
MCV: proportion of districts with coverage a	t 90% or above	94%	84%
DTP1–DTP3 drop-out rate: proportion of dist have achieved a rate of less than 10%	ricts that	97%	97%
Supply: any vaccine supply interruption?		No	Yes
Safety: proportion of districts supplied with of autodisable (AD) syringes for all routine in		100%	100%

BCG	birth	DTaP	2, 3, 4 months
НерВ	birth; 2, 4 months	Measles	9 months
OPV	2, 3, 4 months	TT	pregnant women; and CBAW (15-35 years)
Vitamin A	6-11, 12-17, 18-24, 25-30, 31-36 months		in part of the country

						2	004
Births						82	26,000
Surviving infants						7	71,000
Total population	n					20,3	29,000
Infant mortality	rate (per	1,000 live	births)				82
Under-five mor	tality rate	(per 1,000	) live birt	ths)			111
Gross national	•						570
Percentage of re Immunization v							100
National co	overage	rates	(WHO/	UNICEF	estimates	, 2004)	
	2004	2003	2002	2001	2000	1990	1980
BCG	63%	67%	74%	73%	82%	95%	9%
DTP1	92%	81%	87%	91%	91%	94%	18%
DTP3	78%	66%	69%	76%	76%	84%	1%
HepB3	49%	42%	34%	21%	15%		
MCV	76%	66%	65%	79%	71%	69%	2%
Pol3	78%	66%	69%	76%	76%	84%	1%
Hib3							
TT2+ (protected at birth)	21%	31%	39%	33%	31%		
District cov	verage (	as repo	rted)				
						2004	2003
Number of districts in country				332	332		
Percentage of d	listricts rep	oorting				100%	99%
				below	/ 50%	16%	37%
DTP3: proportion	on of distri	cts with o	coverage	betwe	en 50-79%	39%	39%
				at 80%	% or above	45%	24%
MCV: proportion of districts with coverage at 90% or above					28%	18%	
DTP1–DTP3 dro have achieved a				stricts tha	at	37%	28%
Supply: any vac	cine suppl	y interrup	tion?			Yes	
Safety: proporti of autodisable (						100%	100%
Immunizati	ion sch	edule					
BCG		birth	n   [	)TwP	6	6, 10, 14 v	weeks
		Dirti					
НерВ	6, 10,	14 weeks	s N	Measles		9, 18 m	onths
HepB OPV			, Т	Measles T	1st conta	9, 18 m act pregr +1, +6 m	nancy;

### **Zambia**

### 2004

Births	468,000
Surviving infants	424,000
Total population	11,479,000
Infant mortality rate (per 1,000 live births)	102
Under-five mortality rate (per 1,000 live births)	182
Gross national income per capita (US\$)	450
Percentage of routine Expanded Programme on Immunization vaccines financed by government	10

### National coverage rates (WHO/UNICEF estimates, 2004)

	2004	2003	2002	2001	2000	1990	1980
BCG	94%	94%	94%	94%	92%	97%	
DTP1	94%	94%	94%	94%	93%	97%	
DTP3	80%	80%	80%	80%	78%	91%	
HepB3							
MCV	84%	84%	84%	84%	85%	90%	
Pol3	80%	80%	80%	80%	79%	90%	
Hib3	80%						
TT2+ (protected at birth)	83%	81%	79%	77%	75%		

### District coverage (as reported)

		2004	2003
Number of districts in country		72	72
Percentage of districts reporting		100%	100%
	below 50%	0%	3%
DTP3: proportion of districts with coverage	between 50-79%	6%	21%
	at 80% or above	94%	76%
MCV: proportion of districts with coverage a	t 90% or above	67%	22%
DTP1-DTP3 drop-out rate: proportion of dist have achieved a rate of less than 10%	ricts that		
Supply: any vaccine supply interruption?		No	Yes
Safety: proportion of districts supplied with of autodisable (AD) syringes for all routine in	50%	100%	

BCG	birth	DTwPHib	6, 10, 14 weeks
Measles	9 months	OPV	birth; 6, 10, 14 weeks
TT	1st contact pregnancy; +1, +6 months; +1, +1 year	Vitamin A	6, +6 months

							2	004
Births						3	84,000	
	Surviving infants						3	60,000
	Total population.						12,9	36,000
	Infant mortality r	ate (per 1	,000 live	births)				79
	Under-five morta	lity rate (¡	oer 1,000	) live birtl	าร)			129
	Gross national in	come per	capita (	US\$)				480
	Percentage of rou Immunization vac							0
	National cov	verage	rates	(WHO/L	JNICEF	estimates	, 2004)	
		2004	2003	2002	2001	2000	1990	1980
	BCG	95%	92%	80%	80%	82%	91%	
	DTP1	90%	85%	91%	91%	90%	96%	
	DTP3	85%	80%	75%	75%	77%	88%	
	HepB3	85%	80%	75%	75%	77%		
	MCV	80%	80%	60%	68%	70%	87%	
	Pol3	85%	80%	75%	75%	70%	89%	
	Hib3							
	TT2+ (protected at birth)	70%	60%	60%	60%	60%		
	District cove	erage (a	s repo	rted)				
							2004	2003
	Number of distric	cts in cou	ntry				61	62
	Percentage of dis	stricts rep	orting		_		100%	97%
					below	/ 50%	5%	47%
	DTP3: proportion	of distric	ts with o	coverage	betwe	en 50-79%	41%	40%
					at 80%	% or above	54%	10%
	MCV: proportion	of district	s with c	overage a	it 90% o	r above	20%	6%
DTP1–DTP3 drop-out rate: proportion of districts that have achieved a rate of less than 10%				21%				
Supply: any vaccine supply interruption?				No	Yes			
	Safety: proportio of autodisable (A						100%	
	Immunizatio	on sche	dule					
	BCG		birth	n   D	TwP	3, 4	, 5, 18 m	onths
	Measles	c	months	. 0	PV		5, 18 m	
		W and 1s		t		3, 4,		years
	pregr	nancy; +6			ерВ		3, 4, 5 m	onths
	DT	+1	, +1 yeai 5 years	V	itamin A	6,	12, 18, 2 36 m	24, 30, onths

# APPENDICES Additional vaccines reported in national and territorial immunization schedules

The immunization schedule reported for each country or territory covers the vaccines against measles, tetanus, pertussis, diphtheria, polio and tuberculosis, as well those against hepatitis B, *Haemophilus influenzae* type B, yellow fever, tetanus toxoid and vitamin A supplementation. Additional vaccines covered in national and territorial immunization schedules are reported in these Appendices. These include vaccines against hepatitis A, (inactivated) polio, influenza, Japanese encephalitis, measles and mumps, measles and rubella, meningococcal C conjugate, mumps, pneumoccocal conjugate, pneumococcal polysaccharide, rabies, rubella, typhoid and varicella (Appendix 1), as well as vaccine combinations (Appendix 2).

### **APPENDIX**

## Additional vaccines reported in national and territorial schedules

Country	Schedule
Bahamas	
DTaPHepIPV	2, 4, 6 months (subnational)
DTaPHibHepIPV	2, 4, 6 months (subnational)
Pneumo_conj	2, 4, 6, 15 months (subnational)
Pneumo_ps	2 years (subnational)
Varicella	>12 months (subnational)
Bahrain	
Influenza	elderly and high-risk groups (subnational)
IPV	2, 4, 6, 18 months; 5 years; high-risk groups (subnational)
MenACWY	2 years; pilgrims and their families
Pneumo_conj	2, 4, 6 months; high-risk groups (subnational)
Pneumo_ps	>2 years; old-age and high-risk groups >2 years (subnational)
Typhoid	travellers (subnational)
Varicella	high-risk groups (subnational)
Bosnia and Herzegov	ina
DTwPHib	3, 4, 6, 18 months (subnational)
Pw	4 years (subnational)
Brazil	
НерА	>2 years; CRIE indications
Influenza	>60 years; high-risk groups
IPV	2, 4, 6 months; CRIE indications
MenC_conj	2, 4, 6 months; CRIE indications
MR	CBAW
Pneumo_conj	2, 3-5 years; CRIE indications
Pneumo_ps	2 months; CRIE indications
Varicella	1 year; CRIE indications
Cyprus	
DTaPHepIPV	2, 4 months; private sector
DTaPHib	2, 4, 6, 15-18 months; private sector
DTaPHibHepIPV	2, 4 months; private sector
HepA	2, 3 years; given to high-risk groups; travellers,
	sewage workers and patients with liver problems
MenAC	>2 years if outbreak
MenC_conj	2, 4, 6 months; in public sector only to high-risk
_	groups; in private sector universally
Pneumo_ps	2 years; high-risk groups
Varicella	13-18 months; in public sector only to high-risk groups; in private sector universally
France	
DTwPHiblPV	2, 3, 4, 18 months
Influenza	>_65 years; high-risk groups (recommended)

Country	Schedule
France continued	
Pneumo_conj	<ol><li>2, 3, 4 months; 2 years; high-risk groups kindergarten (recommended)</li></ol>
Pneumo_ps	high-risk groups (recommended)
Pw	2, 3, 4, 18 months; 11 years (recommended)
Germany	
НерА	high-risk groups
Influenza	high-risk groups
MenAC	high-risk groups
MenC_conj	high-risk groups
Pneumo_conj	high-risk groups
Pneumo_ps	60 years; high-risk groups
Varicella	11-14 months; high-risk groups
Honduras	
Influenza	>60 years
Iraq	
HepA	high rick groups
Influenza	high-risk groups high-risk groups
IPV	high-risk groups
MenAC	high-risk groups
MenACWY	high-risk groups; pilgrims
Pneumo_ps	high-risk groups
Typhoid	high-risk groups
Italy	
DTaP	2 F 11 12 months: F 6 years
DTaPHep	3, 5, 11-12 months; 5-6 years 3, 5, 11-12 months
DTaPHepIPV	3, 5, 11-12 months
DTaPHib	3, 5, 11-12 months
DTaPHibHep	3, 5, 11-12 months
DTaPHibHepIPV	3, 5, 11-12 months
DTaPHiblPV	3, 5, 11-12 months
DTaPIPV	3, 5, 11-12 months
НерА	2 doses (2nd dose 30 days after) recommended for travellers
Hib	3, 5, 11-12 months
Influenza	high-risk groups (recommended)
MM	12-15 months; 5-12 years (recommended)
MR	12-15 months; 5-12 years (recommended)
Jamaica	
DTwPHibHep	3 weeks; 3, 5 months
IPV	6 weeks; 3, 5, 18 months; 4-6 years; infants exposed to HIV
Jordan	
Infl	FO veces vilevies
Influenza Typhoid	>50 years; pilgrims
Typhoid	>2 years; contact cases (subnational)

Country	Schedule
Country Korea, Republic of	Schedule
Korea, Republic of	
JE	12-24 months; +1-12 weeks; +1 year; 6, 12 years
Typhoid	> 2 years and every 3 years; high-risk groups
,,	/
Kuwait	
Influenza	high-risk groups
MenAC	new labourers
MenACWY	2 years; contacts with pilgrims
Pneumo_ps	high-risk groups
Typhoid	food handlers (subnational)
Latvia	
DTwPIPV	3, 4.5, 6 months
Malaysia	
Man A CMM	n il sui ma
MenACWY Rubella	pilgrims
Typhoid	specific female age groups (subnational) food handlers
турнога	lood Hallulets
Panama	
DTPHib	18-59 months
Qatar	
IPV	only for autoimmune disorders (subnational)
MenACWY	vaccine not indicated for <2 years age; booster every 2-3 years; pilgrims and travellers; army as required (subnational)
Mumps	military, police recruits (subnational)
Pneumo_conj	2, 4, 6, 18 months;
Pneumo_ps	elderly, high-risk patients (subnational)
Rubella	screen childbearing women for rubella serology
Typhoid	food handlers; travellers
Varicella	12 months
Russian Federation	
IPV	2 4 F 6 10 20 months 14
IPV	3, 4.5, 6, 18, 20 months; 14 years; private sector and high-risk children (immunosuppressed
	and/or born from HIV-positive mothers)
Pneumo_ps	high-risk groups
Rubella	12 months; 6, 13 years
Typhoid	high-risk groups
Slovakia	
DTwPHib	9, 15-19 weeks; 9-13 months
Switzerland	
НерА	high-risk groups
Influenza	high-risk groups
MenACWY	high-risk groups
MenC_conj	high-risk groups
Pneumo_conj	high-risk groups
Pneumo_ps	high-risk groups

Country Schedule

Switzerland continued

Varicella 11-15 years; +1 month; non-immune and high-risk

groups

**Thailand** 

DTwPHep 2, 4, 6 months; only Chiang Rai province

(subnational)

Japanese Encephalitis 1.5-2 years (2 doses); 2.5-3 years; 1-2 weeks apart

**United Arab Emirates** 

Influenza high-risk groups
IPV high-risk groups
MenACWY pilgrims
Pneumo\_ps high-risk groups
Typhoid food handlers
Varicella high-risk groups

**United Kingdom** 

IPV 3, 4 months

Mumps 15 years; young men Rubella 15 years; girls only

**United States of America** 

DTaPHepIPV 2, 4, 6, 15-18 months; option to DTaP and

individual vaccines

DTaPHib 15-18 months; option to DTaP and Hib
HepA 2-18 years; +6-18 months; high-risk adults
Influenza 6-23 months; 24 months-49 years; >\_50 years;
every year: (high-risk; vaccinees)

Pneumo\_conj 2, 4, 6, 12-15 months

Pneumo\_ps ≥65 years; high-risk medical conditions all ages

Varicella 12-18 months; susceptible adults

Uruguay

Influenza 6-23 months; >55 years

IPV 2, 4, 6, 12 months; immunocompromised

Varicella 12 months

Venezuela, Bolivarian Republic of

TT/Td CBAW and 1st contact pregnancy; +2 months;

+1, +2, +3 years

Viet Nam

JE 12, 13, 25 months (subnational)

Typhoid 3-10 years (subnational)

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US \$10

Sales no: 06.XX.2

To purchase go to https://unp.un.org

ISBN-13: 978-92-806-3986-5 ISBN-10: 92-806-3986-2

Further information on the publication can be obtained from:



UNICEF Strategic Information Section Division of Policy and Planning 3 United Nations Plaza New York, NY 10017, USA pubdoc@unicef.org www.unicef.org Tel: 212-326-7000



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January 2006