



# Viet Nam, 2009

Population	
Total population*	88 068 900
Births	1 617 463
NIP target	1 617 463

\* United Nations, Department of Economic and Social Affairs, Population Division (2009). World Population Prospects: The 2008 Revision, CD-ROM Edition.

Finance	
GDP* per capita	US\$ 834
Line item in budget for vaccines?	Yes
Line item in budget for injection supplies?	Yes
% of NIP costs government funded	80%
% of NIP vaccine government funded	85%

\*Western Pacific Country Health Information Profiles, 2009 Revision

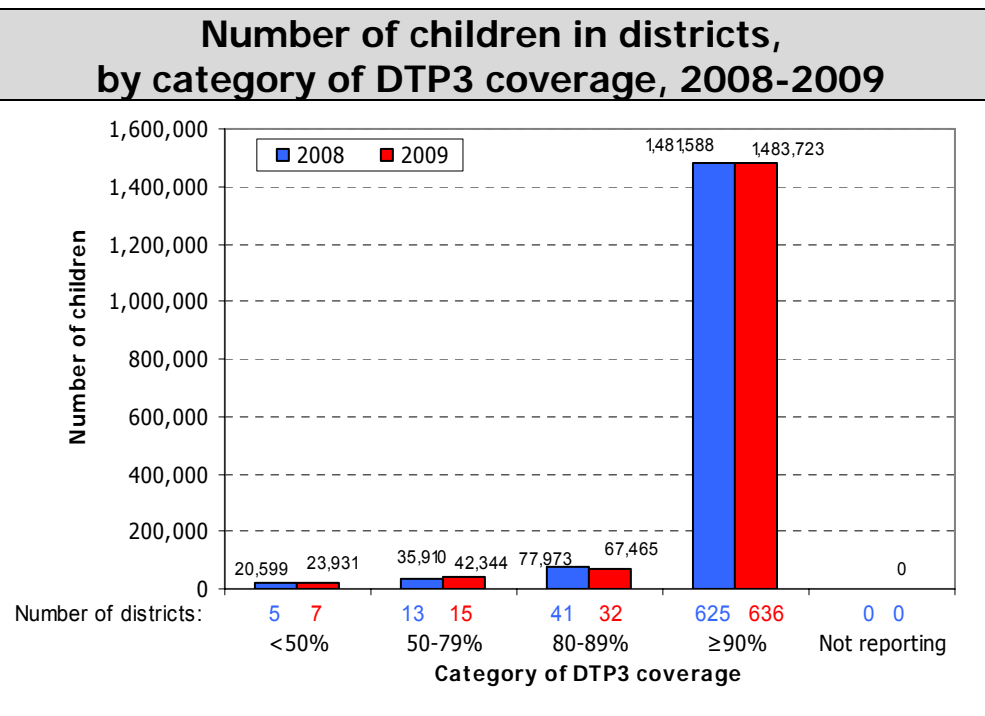
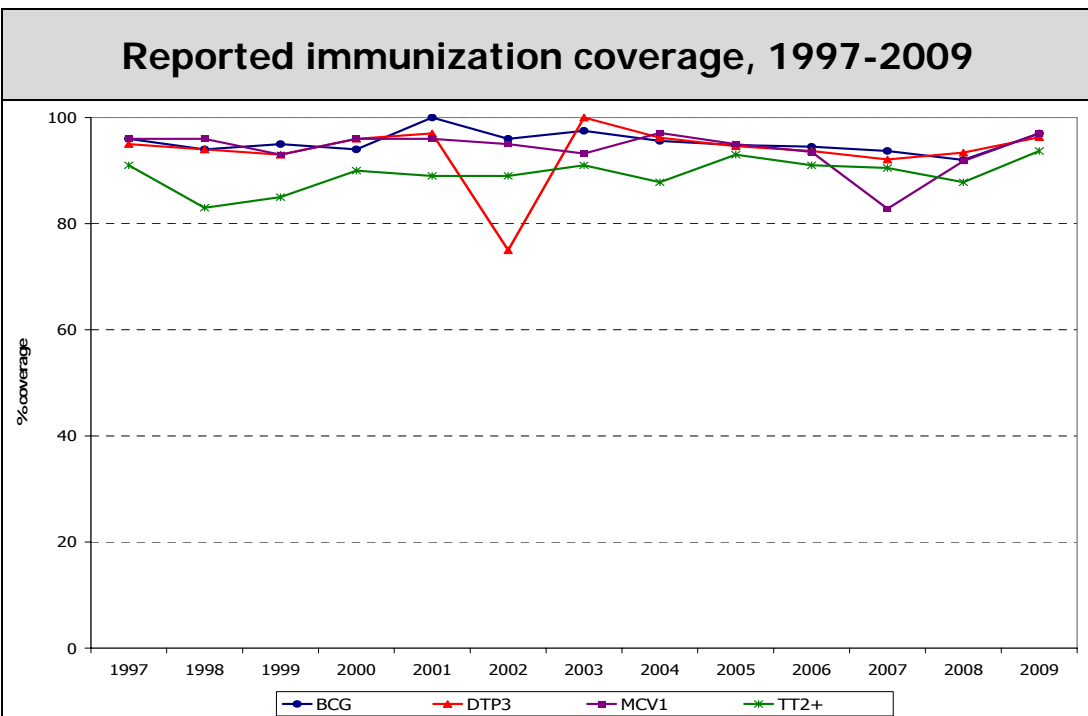
NIP priority needs	
1. Develop and implement a comprehensive human resource strategy to increase staff retention (at all levels). Strengthen supportive supervision	
2. Conduct training for surveillance and monitoring using standard lesson plans and material that address:	
a) standard case definition and key surveillance performance indicators	
b) data reporting, target estimation, descriptive epidemiological analysis	

Delivery of immunization services	
% of population served by outreach	10% (estimate)
No. (%) of districts with DTP3 coverage < 50%	7 (1.01%)
No. (%) of districts with DTP3 coverage > 90%	636 (92.1%)
No. (%) of districts with MCV1 coverage < 80%	18 (2.6%)
No. (%) of districts with MCV1 coverage > 90%	647 (93.7%)
No. (%) of districts w/ DTP drop-out > 10%	27 (3.90%)
No. (%) of districts w/ DTP1 – MCV1 drop-out >10%	57 (8.26%)



Immunization schedule	
BCG	B
DTP (whole cell)	M2; M3; M4
HepB	B; M2; M4
JE MBDI*	Y1; +W2; Y2
Measles	M9; Y6
OPV	M2; M3; M4
TT	PW; +M1; +M6; +Y1; +Y1
Vit A	M6-11; M12-17; M18-23; M24-29; M30-36
Typhoid	Y2

\*Sub-national



Year	AFP		Measles		Neonatal tetanus		Total tetanus		Diphtheria		Pertussis	
	Non-polio AFP rate	% adequate specimens	Cases	IR	Cases	IR	Cases	IR	Cases	IR	Cases	IR
2000	1.5	98%	16 512	208.8	142	0.1	267	0.3	113	0.1	1426	1.8
2001	1.0	94%	12 058	150.2	104	0.1	177	0.2	133	0.2	1242	1.5
2002	1.4	96%	6755	82.9	95	0.1	151	0.2	105	0.1	662	0.8
2003	1.2	96%	2297	27.8	76	0.0	119	0.1	105	0.1	716	0.9
2004	1.5	96%	217	2.6	46	0.0	72	0.1	49	0.1	328	0.4
2005	1.5	96%	410	4.8	35	0.0	85	0.1	36	0.0	194	0.2
2006	1.6	95%	1978	22.9	27	0.0	57	0.1	25	0.0	144	0.2
2007	1.2	97%	17	0.2	36	0.0	116	0.1	32	0.0	183	0.2
2008	1.2	94%	352	4.0	34	0.0	221	0.2	17	0.0	280	0.3
2009	1.7	92%	6582	74.7	33	0.0	247	0.3	8	0.0	122	0.1

Non-polio AFP rate = incidence per 100 000 under 15 years; % adequate specimens = % of AFP cases with 2 specimens within 14 days of paralysis onset.  
 IR = incidence rate: for measles, per 1 000 000 population; for neonatal tetanus, per 1000 live births; for all others, per 100 000 population. Total tetanus includes neonatal tetanus cases.  
 Population source: United Nations, Department of Economic and Social Affairs, Population Division. World Population Prospects.



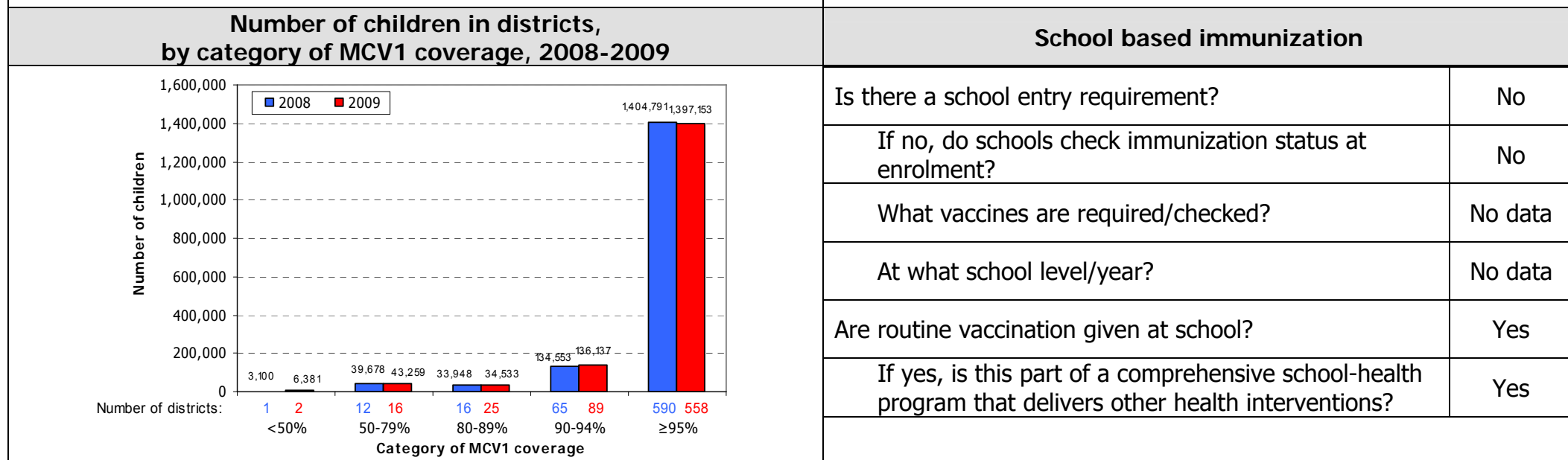
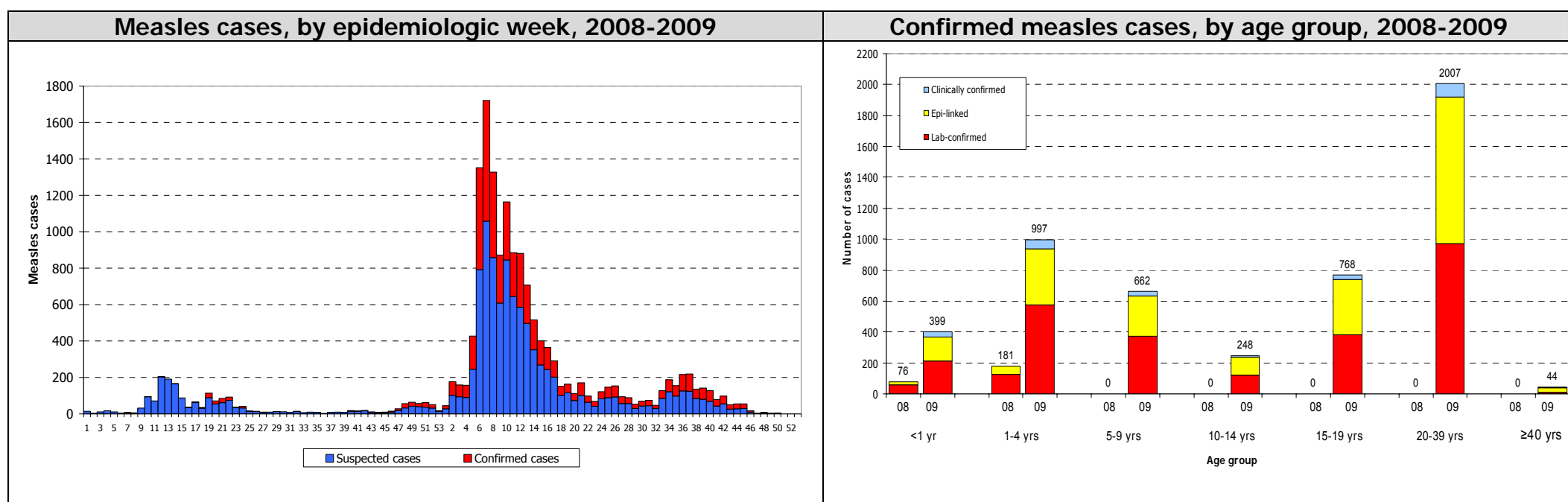
# Viet Nam, 2009

Plans/Review	Available	Period covered	Safe immunization	
Multi-year plan (MYP)	Yes	2006-2010	% of districts using AD syringes	100%
Annual workplan for immunization activities	Yes		System to monitor AEFI	Yes
Includes measles elimination activities	Yes		Number of AEFI	10
Includes Hepatitis B control activities	Yes		Disposal methods	Incineration, Open Burning, Burial
Updated wild poliovirus importation and cVDPV response plan	No			
Injection safety review	Yes			

Measles elimination				
Confirmed measles case rate	(Target: <1/million pop)	59.3	Year of MCV1 introduction	1982
Discarded measles case rate	(Target: ≥ 2/100,000 pop)	4.5	Year of MCV2 introduction	1986
% suspected cases w/ adeq. specimens	(Target: at least 80%)	71.1%	Year and target pop of last SIA	2008; M6-83
Does surv. system assess measles importation? (No. of imp. cases)		Yes (0)	No. vaccinated (coverage achieved)	1 008 325 (97%)

Rubella				
Rubella containing vaccine in NIP		Yes	Number of rubella cases (IgM+)	1555
Is rubella notifiable?		No	Surveillance system for CRS	No

From measles case-based surveillance data



Operational indicators for Hepatitis B control program			
Year HepB vaccine first used in NIP	1997	Systems to monitor HepB vaccine birth dose	Hospitals, HCs
Year HepB vaccine expanded nationwide	2003	Systems to deliver HepB vaccine birth dose	Hospitals, HCs
HepB vaccine birth dose in schedule	Yes	Estimated chronic infection rate in under 5 years old	No data
HepB vaccine birth dose coverage within 24 hours	40.26%	No. of districts with >10% difference between DTP3-HepB3	71

Disease	Type of surveillance system	Year surveillance start	Number of facilities under sentinel surveillance	Number of patients positive
Rotavirus diarrhea	Sentinel	1998	3	1225
Bacterial meningitis	Sentinel		3	41
Bacterial pneumonia	No data	No data	No data	No data
Meningoencephalitis	Sentinel	2008	3	68

**Note:** Unless otherwise specified, data are from WHO/UNICEF Joint Reporting Form for Immunization.