



# Singapore, 2009

Population	
Total population*	4 736 882
Births	31 952
NIP target	31 952

\* 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\$ 37 597
Line item in budget for vaccines?	Yes
Line item in budget for injection supplies?	Yes
% of NIP costs government funded	No data
% of NIP vaccine government funded	No data

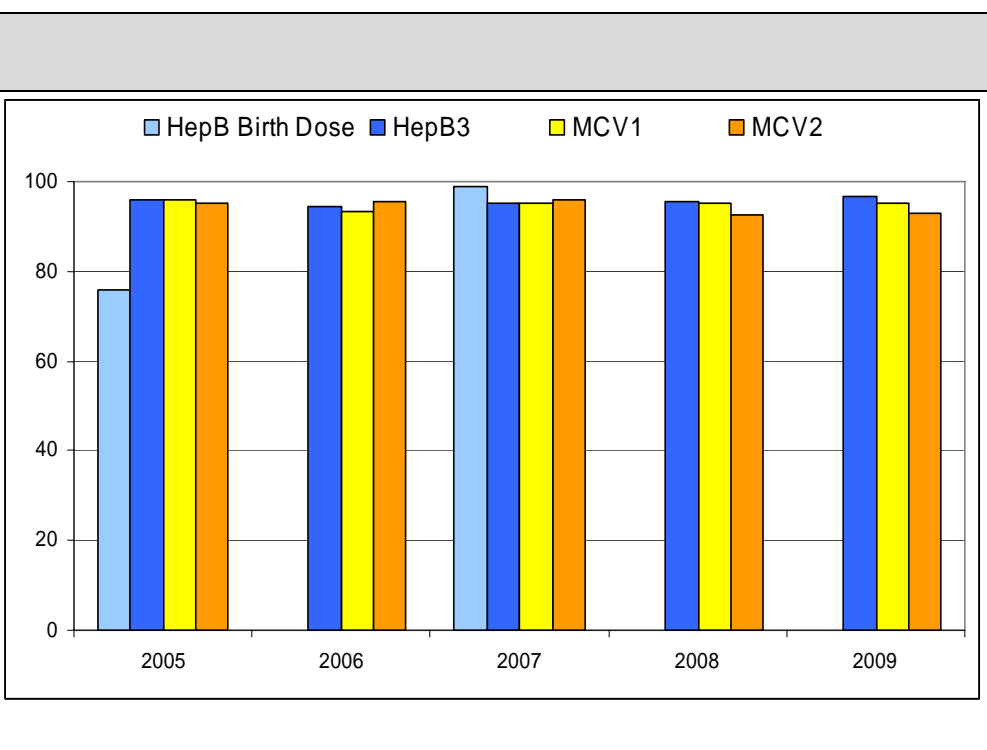
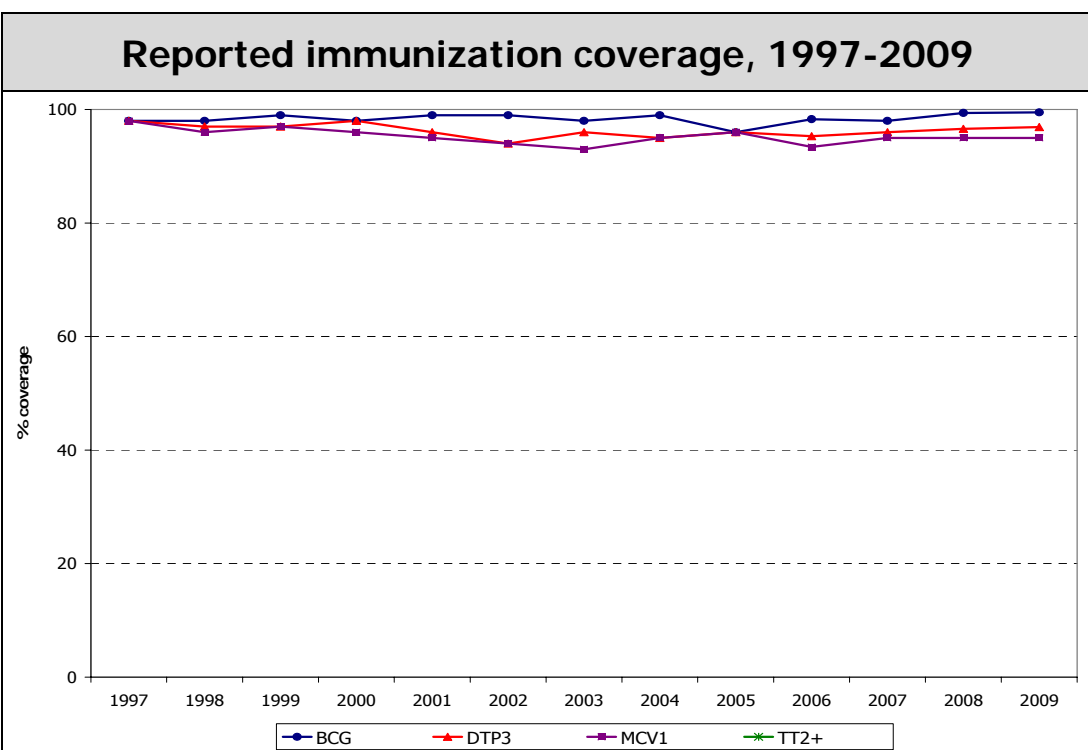
\*Western Pacific Country Health Information Profiles, 2009 Revision

NIP priority needs	
To determine and strengthen the immunization coverage among foreign children coming to Singapore and those already residing in Singapore.	



Delivery of immunization services	
% of population served by outreach	0%
No. (%) of districts with DTP3 coverage < 50%	No data
No. (%) of districts with DTP3 coverage > 90%	No data
No. (%) of districts with MCV1 coverage < 80%	No data
No. (%) of districts with MCV1 coverage > 90%	No data
No. (%) of districts w/ DTP drop-out > 10%	No data
No. (%) of districts w/ DTP1 – MCV1 drop-out >10%	No data

Immunization schedule	
BCG	B
DTP (acellular)	M3; M4; M5; M18
HepB	B; M1; M5-6
Influenza	Recommended for children M6-Y5
MMR	Y1-2; Y6-7
Td	Y10-11
Pneumoco_ps	M3; M5; Y1-2



Reported cases												
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	0.9	100%	141	35.1	0	0.0	0	0.0	0	0.0	2	0.0
2001	1.3	44%	61	14.9	0	0.0	0	0.0	0	0.0	1	0.0
2002	0.9	17%	57	13.7	0	0.0	0	0.0	0	0.0	0	0.0
2003	0.7	60%	33	7.8	0	0.0	0	0.0	0	0.0	1	0.0
2004	0.9	50%	96	22.5	0	0.0	0	0.0	0	0.0	0	0.0
2005	1.4	80%	33	7.6					0	0.0	2	0.0
2006	0.7	100%	23	5.2	0	0.0	0	0.0	0	0.0	2	0.0
2007	1.7	92%	15	3.4	0	0.0	0	0.0	0	0.0	38	0.9
2008	1.1	75%	18	4.0	0	0.0	0	0.0	0	0.0	33	0.7
2009	1.0	86%	16	3.4	0	0.0	0	0.0	0	0.0	13	0.3

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.



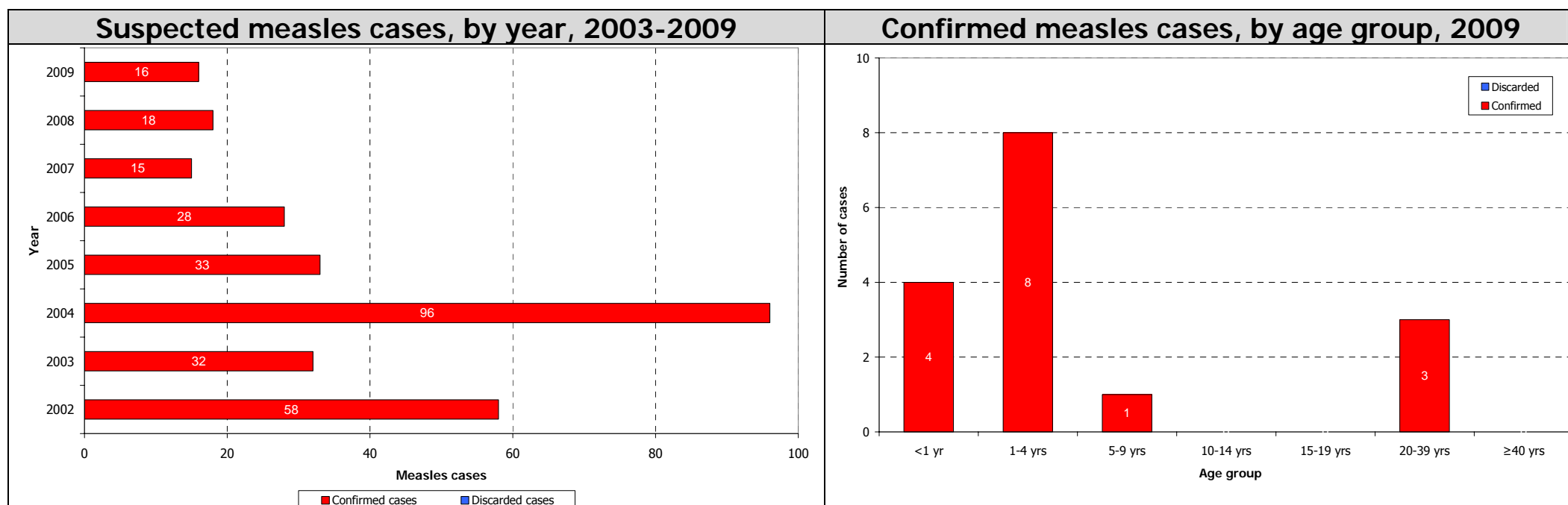
# Singapore, 2009

Plans/Review	Available	Period covered	Safe immunization	
Multi-year plan (MYP)	Yes		% of districts using AD syringes	0%
Annual workplan for immunization activities	Yes		System to monitor AEFI	Yes
Includes measles elimination activities	Yes		Number of AEFI	60
Includes Hepatitis B control activities	Yes		Disposal methods	Incineration
Updated wild poliovirus importation and cVDPV response plan	Yes			
Injection safety review	Yes			

Measles elimination				
Confirmed measles case rate		3.4	Year of MCV1 introduction	1976
Discarded measles case rate	(Target: $\geq 2/100,000$ pop)		Year of MCV2 introduction	1998
% suspected cases w/ adeq. specimens	(Target: at least 80%)	93.8%	Year and target pop of last SIA	No data
Does surv. system assess measles importation? (No. of imp. cases)	Yes (12)		No. vaccinated (coverage achieved)	No data

Rubella				
Rubella containing vaccine in NIP	Yes		Number of rubella cases (IgM+)	28
Is rubella notifiable?	Yes		Surveillance system for CRS	Yes

From measles case-based surveillance data



Operational indicators for Hepatitis B control program			
Year HepB vaccine first used in NIP	1985	Systems to monitor HepB vaccine birth dose	Hospitals
Year HepB vaccine expanded nationwide	1987	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	No data	No. of districts with >10% difference between DTP3-HepB3	No data

Disease	Type of surveillance system	Year surveillance start	Number of facilities under sentinel surveillance	Number of patients positive
Rotavirus diarrhea	No data	No data	No data	No data
Bacterial meningitis	Nationwide	No data	No data	No data
Bacterial pneumonia	Nationwide	No data	No data	No data
Meningoencephalitis	Nationwide	No data	No data	No data

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