

Hepatitis B Prevention in Vietnam

Presented by

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Hepatitis B Prevalence/incidence in country

	Hep B HBsAg positives (%)
General population	10-20% (Nguyen Thu Van, 2002)
Blood donors	14.7% (Nguyen Thi Nga, 1995)
Pregnant women	12.6% (Phi Duc Long, 2010)
Healthcare workers	9% (TTHue Health Service Dept.)
Liver cancer	77.2% (Nguyen Thi Nga, 1995)
Neonates whose mothers HBsAg (+) & HBeAg (+)	21.7% 62.5% (Phi Duc Long, 2010)
	% HBeAg +
Hep B pos pregnant women	26.7% (Phi Duc Long, 2010)

Serosurvey in 51 provinces - WHO		HBsAg + (%)
Social economic	Rural	2.34
	Urban	2.04
Birth cohorts	2000 - 2003	3.62
	2004 - 2006	2.13
	2007 - 2008	1.63
Gender	Male	2.2
	Female	2.33
Place of birth	Hospital	1.82
	Commune Health Center	2.1
	At home	4.76
	Others	2.36



Vaccination schedules 2018

 Available free from the gov
 Recommended not for free

Immunization Schedule within EPI										
Disease	Vaccine brand name	Birth	2 m	3 m	4 m	5 m	9 m	12 m	18 m	24 m
Hepatitis B birthdose	Hepatitis B	<24hrs								
BCG	BCG	X								
bOPV	bOPV		X	X	X					
IPV	Imovax					X				
Diphtheria/Tetanus/ pertussis/Hepatitis B/Hib	Quinvaxem		X	X	X					
DPT booster	DPT								X	
Measles or MR	MVVAC MRVAC						X		X	
JE	Innactive JE							X		X



Vaccination coverage

Immunization coverage (%)				
Vaccine	1990	Year 2000-2004	Year 2005-2010	2017
BCG	89.9	95.6 – 97.6	93.7 – 97.8	97.2
DTP3	86.5%	74.8 - 100	93.4 - 97.9	94.4
HepB3	1.2 (1997)	18.5 – 94.2	70.9 – 94.5	94.4
HepB_BD	NA	54.6 – 62.2	21,4 – 64.3	76.6
Hib3	NA		93.4% (2010)	94.4
IPV1	NA (introduced from Jul 2018)			
OPV3	86.5	91.6 - 96.3	95.6 - 97.8	94.2
JE3	2 (1997)	90.2 – 95	87.5 – 94.7	94.3
MCV1	86.6	93.2 – 98.6	86.4 – 97.8	97.4
MCV2	NA		95.6 – 98.1	92.7



Universal vaccination of hepatitis B in your country

Hepatitis B	Yes/no	Target <small>who is vaccinate + age if relevant</small>	Since/period
Universal	Yes	Infant, including birth dose	1997 (birth dose since 2002)
Risk groups	No		



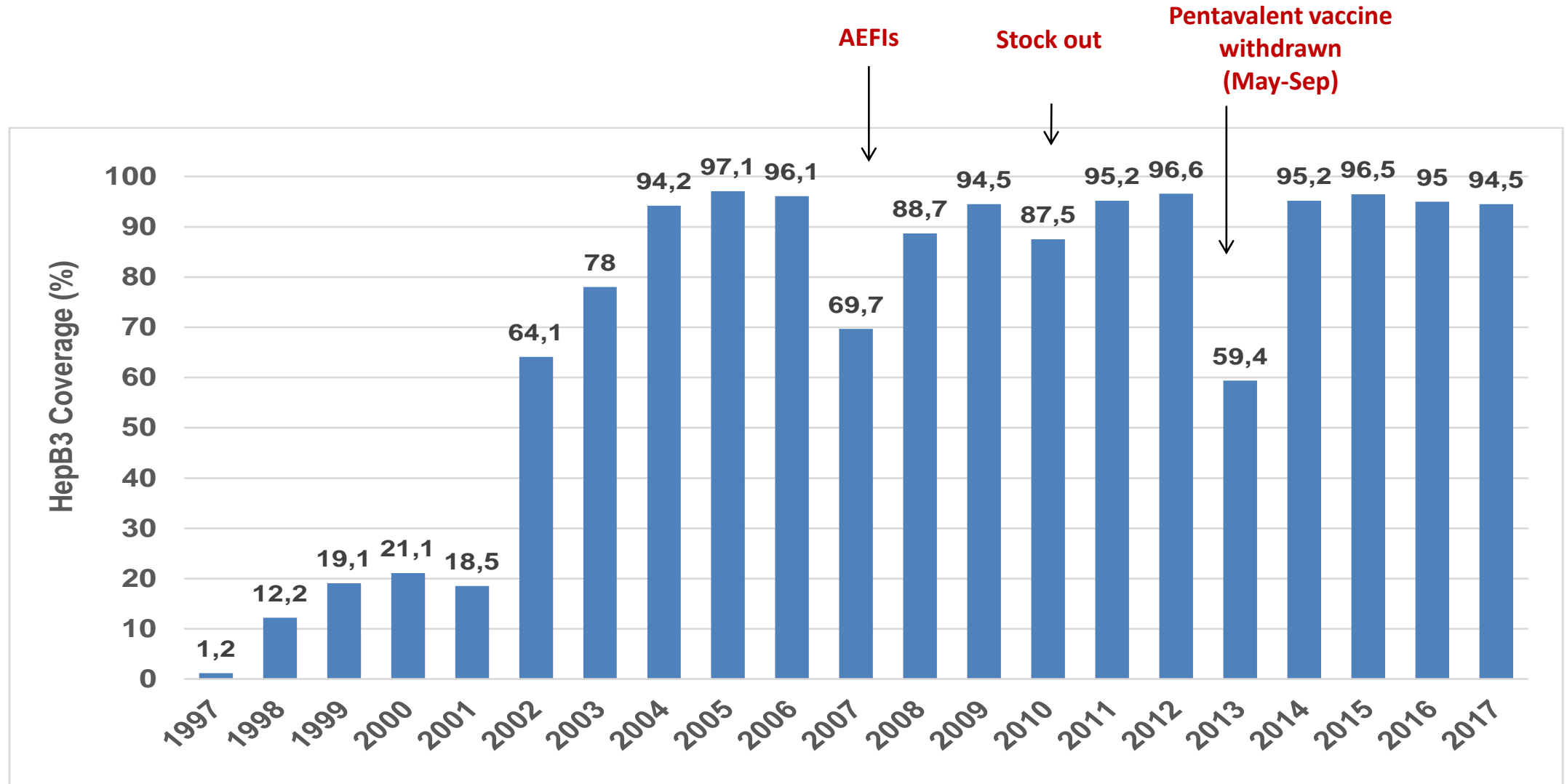
Hepatitis B prevention- Immunization

combined/mono valent

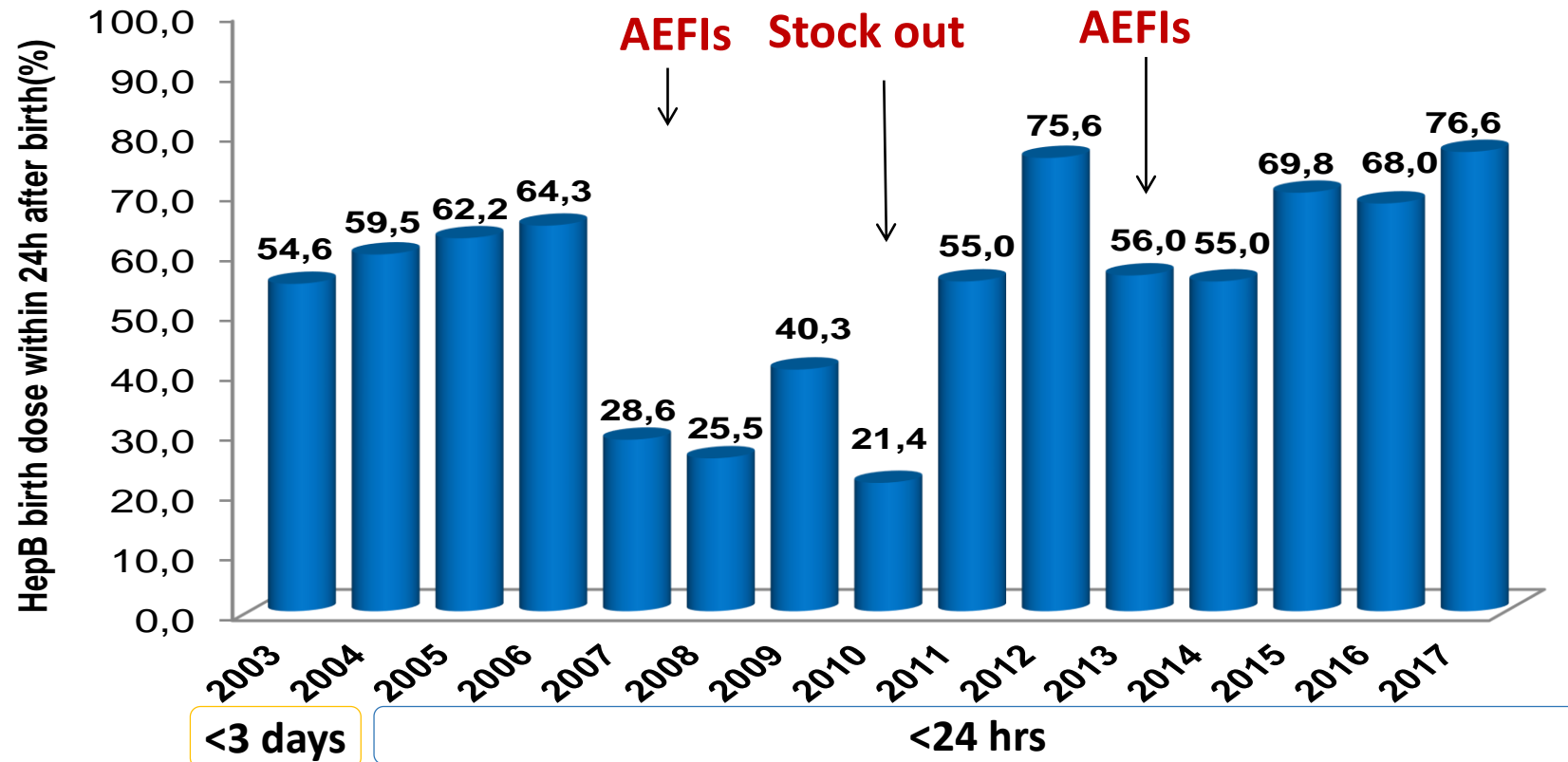
Available hepatitis vaccines	Disease	NAME producer	Target group
Monovalent	HepB	HepB vaccine, VABIOTEC (local manufacture)	neonates
Combined	DPT-HepB-Hib	Quinvaxem, Berna Biotech	2, 3, 4 months



HepB3 coverage, 1997-2017



HepB Birth Dose Coverage, 2003-2017



Hepatitis B prevention- Immunization

combined/mono valent

Issues with hepatitis/ Combined vaccination what are the problems in your country with use of combined Hep B vaccination

- Severe adverse events in 2013: vaccine suspended in 5 months
- Vaccine hesitancy in urban areas: delayed vaccination, unvaccinated → increasing trend of pertussis recently
- Low vaccine coverage in hard-to-reach areas → diphtheria
- Vaccine stock – out at some points

Opportunities how do you think this issues can be solved

- Strengthen capacity of the system: training, supportive supervision, issue legal documents.
- Improvement of AEFIs surveillance, investigation and timely responses.
- Communication through social networks, websites, television, newspapers, , risk communication.
- Support to increase vaccine delivery in hard-to-reach areas
- Vaccine supply



Extra information on HepB birth dose vaccination

	Yes/no	Since/period	Coverage
Birth dose vaccination in universal vaccination program	Yes	2003	76.6% (in 2017)

Vietnam

Issues with HepB BD in your country

- Negative impact of severe adverse events in 2007 & 2013 → Low and unstable vaccine coverage
- Vaccine hesitancy among HCWs, especially hospitals → over contraindication of vaccination
- High rate of home birth delivery in mountainous areas → neonates miss chance of vaccine access

Successes with HepB BD in your country

- Communication: timely & active communication.
- Improvement of AEFIs surveillance, investigation and timely responses.
- Training for HCWs at hospital in provinces with low vaccine coverage
- Revise guideline on health screening for vaccine indication
- Mountainous areas:
 - Expanding model of CHC-based and polyclinic-based vaccine delivery
 - Demonstration of house to house vaccine delivery
 - Encourage PW to delivery birth at health facility

THANK YOU FOR YOUR ATTENTION!

