

Intensive Review in Pediatrics 2011

Immunization: Non-EPI Vaccines

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Non EPI Vaccines

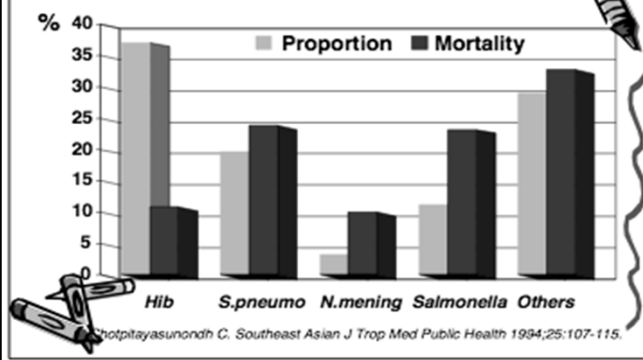
- IPV
- Acellular pertussis :
- DTaP, Tdap
- Lived attenuated JE
- Hib
- HAV
- Varicella
- Influenza
- PCV
- Rotavirus
- HPV

Immunization in Thai Children

	Public	Private
• Birth	BCG, HBV	BCG, HBV
• 1 mo	(HBV for HBsAg+ mother only)	(HBV)
• 2,	DTP-HB, OPV	DTaP-IPV-Hib±HB, PCV-7, Rota
• 4 M	DTP-HB, OPV	DTaP-IPV-Hib±HB, PCV-7, Rota
• 6 M	DTP-HB, OPV	DTaP-IPV-Hib-HB, PCV-7,(Rota)
•	Influenza x2	Influenza x2
• 9 M	M/MMR	MMR
• 12-18 M	JE (MB)x3	Live JE x 2 ,VZV, HAVx2, PCV-7
• 18 M	DTP, OPV	DTaP-IPV-Hib
• 4-6 Y	DTP, OPV, MMR	MMR, VZV, Tdap-IPV
• ≥ 11-12 Y	dT	Tdap, HPVx3

Haemophilus influenzae type B vaccine (HIB)

Bacterial Meningitis in Thai Children Etiology and Mortality (N=618)



Current Issues About Hib Vaccine

- Thailand has a much lower disease burden than the western countries (Thai 3.8/100,000 pop ≤ 5 y , US 40 before Hib vaccine, US after vaccine 0.11/100,000 pop < 5)
- In Thailand, invasive Hib diseases found almost all in younger than 2 years of age. Almost all healthy Thai children are immune by 2 yr.
- Hib vaccine has been used widely in private market, mostly in combined vaccine, and can induce herd immunity.
- The booster dose may not need, but can give as combine vaccine.
- The cost benefit of Hib vaccine in EPI is not clear.