

What is Immunisation?

Immunisation is the best and safest way to prevent your baby from being infected by specific diseases. Babies are given vaccines by injections which will produce antibodies against these diseases.



The DTaP-IPV/Hib combination vaccine

This vaccine protects against 5 diseases in 1 injection: **Diphtheria (D), Tetanus (T), Pertussis (aP), Polio (IPV)** and **Haemophilus influenzae type b (Hib)**.

What is the difference between the previous vaccine DTwP-Hep B + Hib and the DTaP-IPV/Hib vaccine?

There are 2 major differences :

- 1. Wholecell pertussis (wP) vs acellular pertussis (aP) vaccine.**
 - The previous vaccine is made of wholecell pertussis (wP)
 - The current vaccine is made of acellular pertussis (aP).
 - Both are equally effective, **BUT** the aP vaccine is safer because the side effects e.g fever, redness and swelling at site of injection are lesser.
- 2. Oral polio vaccine (OPV) vs injectible polio vaccine (IPV).**
 - OPV is given by drops into baby's mouth.
 - The current vaccine which includes IPV, Hib and DTaP is given in a single injection.

Both are equally effective, **BUT** the IPV has added advantages as stated below:

- Accurate dosing as it is injected and therefore cannot be spit out.
- Can be given to baby with diarrhea.
- Prevent the risk of polio infection caused by OPV (*Vaccine-Associated Paralytic Polio*)

YOUR BABY SHOULD HAVE THE DTaP-IPV/Hib VACCINE AT 2, 3 AND 5 MONTHS

Are there any other changes to my baby's vaccination schedule?

Hepatitis B vaccination will be given at 0, 1 and 6 months in separate injection instead of the previous 0, 2, 3 and 5 months. The effectiveness of the current schedule is well documented in several clinical studies ^{1,2}.

Immunisation table up to 18 months

Immunisation	Age (months)								
	0	1	2	3	4	5	6	12	18
BCG	■								
Hepatitis B	■	■					■		
DTaP (Diphtheria, Tetanus & Pertussis)			■	■		■			■
Hib			■	■		■			■
Polio			■	■		■			■
Measles							■		
MMR								■	

■ Primary Dose ■ Sabah only ■ 5-in-1 Combination

Bring your baby to the clinic for vaccination according to the schedule!

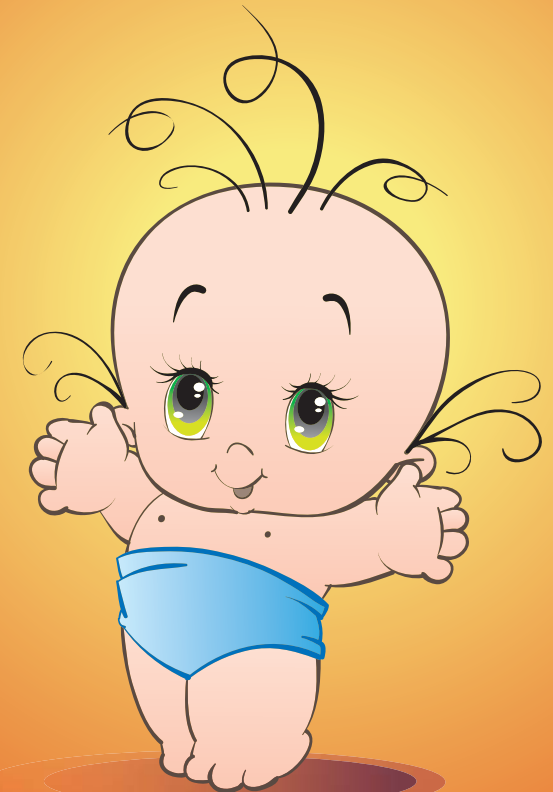


Reference:

1. El-Sawy et, al,(1999). Long term immunogenicity and efficacy of a recombinant Hep B vaccine in Egyptian children. *East Med Health J.* 5(5): 922-32
2. Greenburg D (2001). Consideration for Hep B as part as combination vaccine. *Pediatr Infect Dis. J.* 20:534-9

Information on the

5-IN-1 COMBINATION VACCINE (DTaP-IPV/Hib)



Your baby needs the best. Protect your baby with complete immunisation.



MINISTRY OF HEALTH MALAYSIA

