

監測及流行病學處



衛生防護中心  
Centre for Health Protection

保障市民健康  
Protecting Hong Kong's health

Surveillance  
And  
Epidemiology  
Branch

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Dear Chairperson,

**Hong Kong Childhood Immunisation Programme (2007)**

I am pleased to inform you that the Scientific Committee on Vaccine Preventable Diseases (SCVPD) has recommended the replacement of oral poliovirus vaccine (OPV) and whole-cell pertussis (wP) vaccine by inactivated poliovirus vaccine (IPV) and acellular pertussis (aP) vaccine respectively in the childhood immunisation programme in Hong Kong.

The main advantage of using IPV is to eliminate the risk of vaccine-associated paralytic poliomyelitis (VAPP). Acellular pertussis vaccine is associated with lower incidence of vaccination reactions compared with whole-cell pertussis vaccine. The SCVPD recommends combined diphtheria, tetanus, pertussis and inactivated poliovirus vaccines (DTaP-IPV & dTap-IPV) be used in the updated childhood immunisation programme, so that children are vaccinated only once during an immunisation visit. The vaccination schedule for DTaP-IPV is 2 months, 4 months, 6 months, 18 months and Primary 1, while dTap-IPV will be given to Primary 6 students. Type I OPV at birth will no longer be recommended in the updated immunisation programme. The Public Health Laboratory Services Branch will no longer supply Type I OPV with effect from 1 February 2007. The additional aP vaccine will offer extra protection against pertussis to Primary One and Six students.

The following table summarizes the original and the updated childhood immunisation schedule:

Original Immunisation Recommended		Updated Immunisation Recommended	
Age	Immunisation	Age	Immunisation
Newborn	B.C.G. Vaccine Hepatitis B Vaccine - First Dose Polio Type I Vaccine	Newborn	B.C.G. Vaccine Hepatitis B Vaccine - First Dose
1 month	Hepatitis B Vaccine ? Second Dose	1 month	Hepatitis B Vaccine - Second Dose
2-4 months	DTwP Vaccine - First Dose Polio Trivalent Vaccine - First Dose	2 months	DTaP-IPV Vaccine ? First Dose
3-5 months	DTwP Vaccine - Second Dose	4 months	DTaP-IPV Vaccine ? Second Dose
4-6 months	DTwP Vaccine - Third Dose Polio Trivalent Vaccine ? Second Dose	6 months	DTaP-IPV Vaccine ? Third Dose Hepatitis B Vaccine - Third Dose
6 months	Hepatitis B Vaccine - Third Dose		
1 year	MMR Vaccine - First Dose	1 year	MMR Vaccine - First Dose



衛生防護中心乃衛生署  
轄下執行疾病預防  
及控制的專業架構  
The Centre for Health  
Protection is a  
professional arm of the  
Department of Health for  
disease prevention and  
control

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1? years	DTwP Vaccine - Booster Dose Polio Trivalent Vaccine - Booster Dose	1? years	DTaP-IPV Vaccine ? Booster Dose
Primary 1	MMR Vaccine - Second Dose DT Vaccine - Booster Dose Polio Trivalent Vaccine - Booster Dose	Primary 1	MMR Vaccine - Second Dose DTaP-IPV Vaccine ? Booster Dose
Primary 6	dT Vaccine - Booster Dose Polio Trivalent Vaccine - Booster Dose	Primary 6*	dTap-IPV Vaccine* ? Booster Dose

Remarks:

DTwP Vaccine: Diphtheria, Tetanus & whole cell Pertussis Vaccine

DTaP-IPV Vaccine: Diphtheria, Tetanus, acellular Pertussis & Inactivated Poliovirus Vaccine

dTap-IPV Vaccine: Diphtheria, Tetanus, acellular Pertussis (reduced dose) & Inactivated Poliovirus Vaccine

DT Vaccine: Diphtheria & Tetanus Vaccine

dT Vaccine: Diphtheria & Tetanus Vaccine (reduced dose)

MMR Vaccine: Measles, Mumps & Rubella Vaccine

\* The new vaccine for Primary 6 students will be adopted at a later stage.

Minor side effects of DTaP-IPV vaccine may include local reactions (such as pain, redness or swelling), fever, drowsiness, low-grade fever, irritability and anorexia within 72 hours of immunisation. Mild self-limiting systemic reactions include drowsiness, fretfulness, and low-grade fever. Moderate or severe systemic side effects occur less frequently which include temperature of 40.5°C (105°F) or higher, persistent crying lasting for 3 hours or longer, febrile seizures as well as hypotonic-hyporesponsive episodes. Infrequently, transient benign swelling of the entire upper arm or thigh after the 4th and 5th doses of DTaP vaccines has been reported. Contraindications include immediate anaphylactic reaction to any of the vaccine components (e.g. neomycin, streptomycin, polymyxin B) or following previous dose of DTaP-IPV vaccine and encephalopathy or other neurological conditions within 7 days following previous dose of DTaP-IPV vaccine or a pertussis-containing vaccine.

Please be informed that the updated childhood immunisation programme will commence on 1 February 2007. We seek your assistance in promulgating this message to the colleagues in your organisation. You may wish to obtain more details about the updated childhood immunisation programme at our website ([www.chp.gov.hk](http://www.chp.gov.hk)).

Thank you for your attention.

Yours sincerely,



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