**Table 1 National vaccine strategy across different countries.**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Country | Inoculation object | | | | Manufacturers |
| Children | Adolescent | Pregnant woman | Adults |
| Australia(1) | 5 doses DTaP\* (2 months, 4 months, 6 months, 18 months and 4 years) | 1 dose DTaP\* (12-13 years) | 1 dose dTap\* (20-32 weeks) | 1 dose dTap (every 10 years) | GlaxoSmithKline (Infanrix\*, Infanrix hexa\*, Infanrix IPV\*, Vaxelis\*, Boostrix\*, Boostrix IPV)  Sanofi Pasteur (Quadracel\*, Adacel\*, Hexaxim, Adacel Polio) |
| China(2, 3) | 4 doses DTaP\* (3 months, 4 months, 5 months, 18 months) | / | / | / | Sinopharm (DTaP\*)  Minghai (DTaP\*, DTaP-Hib)  Sanofi Pasteur (Pentaxim) |
| The US(4-6) | 5 doses DTaP\* (2 months, 4 months, 6 months, 15-18 months and 4-6 years) | 1 dose dTap\* (11-12 years) | 1 dose dTap (27-36 weeks) | 1 dose dTap (every 10 years) | GlaxoSmithKline (Infanrix\*, Boostrix\*)  Sanofi Pasteur (Daptacel\*, Adacel\*) |
| The UK(7-9) | 3 doses 6-in-1 (8 weeks, 12 weeks, 16 weeks)  1 dose 4-in-1 (3 years) | / | 1 dose 4-in-1 (16-32 weeks) | / | GlaxoSmithKline (Infanrix hexa\*, Boostrix-IPV\*)  Sanofi Pasteur (Vaxelis\*, Repevax\*) |
| Japan(10) | 4 doses DTaP\*(2 months, 3 months, 4months, 12-18 months) |  |  |  |  |
| New Zealand(11, 12) | 4 doses 6-in-1 (6 weeks, 3 months, 5 months and 4 years) | 1 dose dTp\*(11years) | 1 dose dTap\* (16 weeks) | 2 doses dTap\*(45 years, 65 years) | GlaxoSmithKline NZ Ltd (Boostrix\*, Infanrix hexa\* ) |
| Sweden(13-15) | 3 doses 6-in-1(3 months, 5 months, 12 months) | 2 doses dTap \*(5 years, 14-16 years) | 1 dose dTap \*(16-32 weeks) |  | GlaxoSmithKline (Infanrix\*, Boostrix\*)  Sanofi Pasteur (Daptacel\*, Adacel\*) |
| Republic of Singapore(16) | 4 doses DTaP(2 months, 4 months, 6 months and 3 years) |  | 1 dose Tdap\*(1-32 weeks) |  | Infanrix-IPV+Hib, Pentaxim, Infanrix Hexa |

\*: free under the National Immunisation Program (Australia)(1), National Immunization Program (China)(3), Vaccines for Children Program (the US)(17) or National Health Service (the UK)(9). DTaP: diphtheria–tetanus–acellular pertussis vaccine. dTap: diphtheria–tetanus–acellular pertussis vaccine. 6-in-1: diphtheria, tetanus, pertussis (acellular component) (Pa), hepatitis B (rDNA), poliomyelitis (inactivated) and Haemophilus influenzae type b conjugate vaccine (adsorbed). 4-in-1: diphtheria, tetanus, pertussis (acellular component) and poliomyelitis (inactivated) vaccine (adsorbed, reduced antigen(s) content).

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