Public Health England

Vaccination of individuals with uncertain or incomplete immunisation status

For online Green Book, see https://www.gov.uk/government/organisations/public-health-england/series/immunisation-against-infectious-disease-the-green-book • For other countries' schedules, see http://apps.who.int/immunization_monitoring/globalsummary

Infants from two months of age up to first birthday

DTaP/IPV/Hib* + PCV + rotavirus*****

Four week gap

DTaP/IPV/Hib + Men C* + rotavirus***

Four week gap

DTaP/IPV/Hib + PCV

* When **Hib** has not been given as part of a **primary** course give *either*:
- three doses of DTaP/IPV/Hib vaccine at monthly intervals if D, T, aP or IPV also required *or*
- three doses of Hib/ MenC combined vaccine if no other components required

When **Men C** has not been given as part of a **primary** course give:
- one dose of Men C vaccine (Menjugate or NeisVac-C only)
- If infant over 3 months when schedule started, MenC vaccine can be given at first visit

When neither **Hib** nor **MenC** have been given as part of a **primary** course but child has received three doses DTaP/IPV,give:
- three doses of Hib/ MenC combined vaccine

** When **PCV** has not been given as part of a **primary** course give two doses at least two months apart

***
- **Vaccination with rotavirus should not be started for infants aged 15 weeks or older**
- First dose to be given **only** if infant is more than **6** weeks and under **15** weeks
- Second dose to be given **only** if infant is less than **24** weeks old

Boosters + subsequent vaccination

As per UK schedule

Children from first up to second birthday

DTaP/IPV/Hib† + PCV† + MMR + Men C†

Four week gap

DTaP/IPV/Hib

Four week gap

DTaP/IPV/Hib

† All un- or incompletely immunised children require one dose of **Hib**, **Men C** and **PCV** over the age of one year

Boosters + subsequent vaccination

As per UK schedule
Additional doses of DTaP/IPV/Hib given under three years of age do not count as a booster to the primary course and should be discounted

Children from second up to tenth birthday

DTaP/IPV/Hib†† + Men C†† + MMR

Four week gap

DTaP/IPV/Hib + MMR

Four week gap

DTaP/IPV/Hib

†† All un- or incompletely immunised children require one dose of **Hib** and **Men C** over the age of one year

Boosters + subsequent vaccination

First booster of dTaP/IPV or DTaP/IPV can be given as early as one year following completion of primary course to re-establish on routine schedule
Second booster – as per UK schedule

From tenth birthday onwards

Td/IPV + Men C[a] + MMR

Four week gap

Td/IPV + MMR

Four week gap

Td/IPV

[a]
- If never received vaccine give one dose of MenC – no further vaccination is then required
- If received MenC since reaching 10yrs of age no further vaccination is required
- If last received MenC vaccine under 10yrs of age, give MenC with teenage booster (at around 14yrs of age) (not applicable to those over 14y who followed previous national MenC vaccine schedules)

Boosters + subsequent vaccination

First Td/IPV
Preferably five years following completion of primary course

Second Td/IPV
Ideally ten years (minimum five years) following first booster

MMR – from first birthday onwards

- Doses of **MMR/measles** vaccine given prior to 12 months of age should not be counted
- For individuals **<18** months of age a minimum interval of three months should be left between first and second doses
- For individuals **>18** months of age a minimum of one month should be left between first and second doses
- Two doses of **MMR** should be given irrespective of history of measles, mumps or rubella infection and/or age

Flu vaccine (during flu season)

- Those aged 65yrs or older (DOB on/before 31/3/49)
- Children aged 2yrs or 3yrs on/before 1/9/13 (DOB on/after 2/9/09 & on/before 1/9/11)
- Those aged 6 months or older in the defined clinical risk groups

Pneumococcal polysaccharide vaccine (PPV)

- Those aged 65yrs or older
- Those aged 2yrs or older in the defined clinical risk groups

Shingle vaccine

One dose for
- those aged 70 on 1/9/13 (DOB 2/9/42-1/9/43)
- those aged 79 on 1/9/13 (DOB 2/9/33-1/9/34)

In addition, girls from twelfth up to eighteenth birthday

Three doses **HPV** at 0, 1 and 4-6 months
- Interrupted courses should continue where left off, ideally following intervals above
- However, where second dose is given late and there is a high likelihood that the individual will not return to complete the course, a minimum of one month can be left between the second and third doses
- Courses started but not completed before eighteenth birthday should be completed allowing one month intervals between doses

Note: BCG and Hepatitis B vaccines should be given to those at risk as per Green Book recommendations and have therefore not been included in this algorithm

General principles

- Unless there is a reliable vaccine history, individuals should be assumed to be **unimmunised** and a full course of immunisations planned
- Individuals coming to UK part way through their immunisation schedule should be transferred onto the UK schedule and immunised as appropriate for age
- If the primary course has been started but not completed, continue where left off – **no need to repeat doses or restart course**
- Plan catch-up immunisation schedule with minimum number of visits and within a minimum possible timescale – aim to protect individual in shortest time possible

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