The COVER Return

Request Parameters for COVER

Although collection by resident population is a requirement for the Public Health Outcomes Framework (since April 2013), it has been agreed that it is not feasible under the current IT infrastructure.

COVER data is only requested for LA responsible population

For any given evaluation quarter:

The following groups of children are to be included as Local Authority (LA) responsible population for COVER data:
- all children registered with a GP whose practice forms part of the LA, regardless of where the child is resident, plus
- any children not registered with a GP, who are resident within the LA’s statutory geographical boundary

Note: children resident within the LA geographical area, but registered with a GP belonging to another LA, are the responsibility of that LA.

Request 1: 12 MONTH COHORT

Line 1 Total number of children for whom the LA is responsible reaching their 1st birthday during the above evaluation quarter.

Line 2 Total number and percentage of eligible children (to one decimal place) included in line 1 completing a primary course at any time up to their 1st birthday for each of the following:

a) DIPHTHERIA (D3)
PERTUSSIS (aP3)
TETANUS (T3)
POLIO (Po3)
Hib (Hib3)
HepB (HepB3(routine)) from 2018

Or DTaP/IPV/Hib3 (births before August 2017) or DTaP/IPV/Hib/HepB3 (births from August 2017) – see notes

b) PNEUMOCOCCAL (PCV2)
c) ROTAVIRUS (Rotavirus2)
d) BCG (BCG)
e) MenB (MenB2)

NOTES for Request 1:

a) DTaP/IPV/Hib/HepB will replace DTaP/IPV/Hib from October 2017 (i.e. offered to children born from August 2017) for primary immunisations. CHISs may output receipt of three doses of the combined primary vaccine as either individual variables (i.e. D3, aP3, T3, Pol3, Hib3, HepB3(routine)) or a combined variable (see (a) above). Children born around the time of the change of vaccine may receive DTaP/IPV/Hib beyond October 2017, or a mixture of the two vaccines, depending on vaccination timing and availability. Vaccine coverage extraction for a completed primary course (3 doses) is not dependent on which combined vaccines have been given (DTaP/IPV/Hib or DTaP/IPV/Hib/HepB). Children living in but immunised outside the UK may have been given different vaccine combinations; 3 doses of each of DTP or DTaP, IPV or OPV, Hib and HepB vaccine before 1st birthday will equate to a completed course. This only affects a small number of children but is more significant in areas with a higher proportion of movers in from outside the UK.

b) Pneumococcal vaccine – Primary course is 2 doses given before the first birthday
c) Rotavirus vaccine - primary course is 2 doses given before 24 weeks
d) BCG vaccine - will provide data to calculate BCG coverage only for areas that are offering a universal neonatal BCG programme (i.e. TB incidence >40/100,000 and all London boroughs) population.
e) Meningitis B vaccine – primary course is 2 doses given before the first birthday
Request 2: 24 MONTH COHORT

Line 3 Total number of children for whom the LA is responsible reaching their 2\textsuperscript{nd} birthday during the above evaluation quarter.

Line 4 Total number and percentage of eligible children (to one decimal place) included in line 3 completing a primary course or booster course at any time up to their 2\textsuperscript{nd} birthday for each of the following:

f) DIPHTHERIA (D3)
PERTUSSIS (aP3)
TETANUS (T3)
POLIO (Po3)
Hib (Hib3)
HepB (HepB3(routine)) from 2019

Or DTaP/IPV/Hib\textsuperscript{3} (births before August 2017) or DTaP/IPV/Hib/HepB\textsuperscript{3} (births from August 2017) – see notes

    g) MMR (MMR1)
    h) Hib/MenC booster (Hib/MenC)
    i) PNEUMO booster (PCVbooster)
    j) MenB booster (MenBbooster)

NOTES for Request 2:

f) DTaP/IPV/Hib/HepB will replace DTaP/IPV/Hib from October 2017 (i.e. offered to children born from August 2017) for primary immunisations. CHISs may output receipt of three doses of the combined vaccine as either individual variables (i.e. D3, aP3, T3, Po3, Hib3, HepB3(routine)) or a combined variable (see (f) above). Children born around the time of the change of vaccine may receive DTaP/IPV/Hib beyond October 2017, or a mixture of the two vaccines, depending on vaccination timing and availability. Vaccine coverage extraction for a completed primary course (3 doses) is not dependent on which combined vaccines have been given (DTaP/IPV/Hib or DTaP/IPV/Hib/HepB). Children living in but immunised outside the UK who may have been given different vaccine combinations, 3 doses of each of DTP or DTaP,
IPV or OPV, Hib and HepB vaccine before 2\textsuperscript{nd} birthday will equate to a completed course. This only affects a small number of children but is more significant in areas with a higher proportion of movers in from outside the UK.

\textbf{g)} Excludes MMR given before 1\textsuperscript{st} birthday

\textbf{h)} Although most children receive a Hib/MenC booster as one dose of combined Hib/MenC vaccine on or after 1\textsuperscript{st} birthday, children completing their primary course after 1\textsuperscript{st} birthday can be reported as having one dose of any Hib-containing vaccine and one dose of single antigen MenC, both given on or after 1\textsuperscript{st} birthday and before 2\textsuperscript{nd} birthday.

\textbf{i)} A dose of PCV on or after the 1\textsuperscript{st} first birthday irrespective of the number of doses given before that age, and before the 2\textsuperscript{nd} birthday

\textbf{j)} Meningitis B booster – either 3 doses of MenB before the 2\textsuperscript{nd} birthday or 2 doses after the 2\textsuperscript{nd} birthday

\textbf{Request 3: 5 YEAR COHORT}

\textbf{Line 5} Total number of children for whom the LA is responsible reaching their 5\textsuperscript{th} birthday during the above evaluation quarter.

\textbf{Line 6} Total number and percentage of eligible children (to one decimal place) included in line 5 completing a primary course or booster course at any time up to their 5\textsuperscript{th} birthday for each of the following:

\begin{itemize}
  \item \textbf{k)} \textbf{DIPHTHERIA} \quad (D3)
  \item \textbf{PERTUSSIS} \quad (aP3)
  \item \textbf{TETANUS} \quad (T3)
  \item \textbf{POLIO} \quad (Po3)
  \item \textbf{Hib} \quad (Hib3)
  \item \textbf{HepB} \quad (HepB\textsuperscript{3(routine)}) from 2022
\end{itemize}

Or \textbf{DTaP/IPV/Hib3} (births before August 2017) or \textbf{DTaP/IPV/Hib/HepB3} (births from August 2017) – see notes

\begin{itemize}
  \item \textbf{l)} \textbf{MMR} \quad (MMR1)
  \item \textbf{DIPHTHERIA booster} \quad (D4)
  \item \textbf{TETANUS booster} \quad (T4)
  \item \textbf{PERTUSSIS booster} \quad (aP4)
  \item \textbf{POLIO booster} \quad (Po4)
\end{itemize}
n) Hib/MenC booster (Hib/MenC)
o) MMR (2 doses) (MMR2)

NOTES for Request 3:

k) DTaP/IPV/Hib/HepB will replace DTaP/IPV/Hib from October 2017 (i.e. offered to children born from August 2017) for primary immunisations. CHISs may output receipt of three doses of the combined primary vaccine as either individual variables (i.e. D3, aP3, T3, Pol3, Hib3, HepB3(routine)) or a combined variable (see (k) above). Children born around the time of the change of vaccine may receive DTaP/IPV/Hib beyond October 2017, or a mixture of the two vaccines, depending on vaccination timing and availability. Vaccine coverage extraction for a completed primary course (3 doses) is not dependent on which combined vaccines have been given (DTaP/IPV/Hib or DTaP/IPV/Hib/HepB). Children living in but immunised outside the UK who may have been given different vaccine combinations, 3 doses of each of DTP or DTaP, IPV or OPV, Hib and HepB vaccine before 2nd birthday will equate to a completed course. This only affects a small number of children but is more significant in areas with a higher proportion of movers in from outside the UK.

l) Excludes MMR before 1st birthday
m) 4th dose of Diphtheria/Tetanus/Pertussis/Polio containing vaccine - given from 3 years 4 months and before 5th birthday
n) Although most children receive a Hib/MenC booster as one dose of combined Hib/MenC vaccine on or after 1st birthday, children completing their primary course after 1st birthday can be reported as having one dose of DTaP/IPV/Hib (or any other Hib-containing vaccine) and one dose of MenC, both given on or after 1st birthday and before 3rd birthday.
o) Excludes MMR given before 1st birthday
Request 4: Neonatal Hepatitis B 12 MONTH COHORT

Line 7  Total number of children for whom the LA is responsible with maternal HB status positive (HBsAg+ve) and reaching their 1st birthday during the above evaluation quarter

Line 8  Total number included in line 7 and receiving a 3rd dose of monovalent HepB vaccine (HepB(selective)) before their 1st birthday for babies born <1st August 2017

Line 9  Total number included in line 7 and receiving a 5th dose of a Hep B-containing vaccine* before their 1st birthday for babies born ≥1st August 2017

* monovalent (HepB(selective)) or DTaP/IPV/Hib/HepB (HepB(routine))

Request 5: Neonatal Hepatitis B 24 MONTH COHORT

Line 10 Total number of children for whom the LA is responsible with maternal HB status positive (HBsAg+ve) and reaching their 2nd birthday during the above evaluation quarter

Line 11 Total number included in line 10 and receiving a 4th dose of monovalent HepB vaccine (HepB(selective)) before their 2nd birthday for babies born <1st August 2017

Line 12 Total number included in line 10 and receiving a 6th dose of Hep B-containing vaccine* before their 2nd birthday for babies born ≥1st August 2017

* monovalent (HepB(selective)) or DTaP/IPV/Hib/HepB (HepB(routine))
NOTES for Requests 4 and 5:

Although some CHISs do not have the capacity to produce statistics or even hold information on hepatitis B vaccines, this information is requested in the same format as the current COVER outputs. This is designed to ensure that collection of hepatitis B data is integrated into the routine collection and coverage data can be compared. Where not available from the CHIS it is hoped that these data will be generated from manual systems or from standalone databases.

(i) The format is based on the 0, 1, 2, 12 month schedules recommended in the Health Service Circular (HSC) 1998 for births before 1st August 2017.
(ii) For births ≥1st August 2017 these babies will receive additional HepB vaccine as part of their routine primary immunisation (DTaP/IPV/Hib/HepB)

The HSC recommended universal screening of pregnant women from April 2000. Data on antenatal prevalence will be collected via regions and can be used to validate the completeness of identification of children at risk in future cohorts.
Table summarising the COVER return.

Data will be collected by: LA responsible population

*See request parameters for population definitions  

<table>
<thead>
<tr>
<th>Antigen</th>
<th>Antigen Abbreviation</th>
<th>12 months</th>
<th>24 months</th>
<th>5 years</th>
<th>New or revised data for the Quarterly and Annual COVER returns</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>Number of children in cohort</td>
<td>Number vaccinated</td>
<td>% Uptake</td>
<td>Number of children in cohort</td>
</tr>
<tr>
<td>DIPHTHERIA</td>
<td>D3</td>
<td>n/a</td>
<td>n/a</td>
<td>n/a</td>
<td>n/a</td>
</tr>
<tr>
<td>PERTUSSIS</td>
<td>aP3</td>
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<td>n/a</td>
<td>n/a</td>
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</tr>
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<td>n/a</td>
</tr>
<tr>
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<td>Po3</td>
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</tr>
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<td>Hib (primary)</td>
<td>Hib3</td>
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<td>Hep3(Routine)</td>
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<td>REMOVE MenC (primary)</td>
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<td>n/a</td>
<td>n/a</td>
</tr>
<tr>
<td>PNEUMOCOCCAL (primary)</td>
<td>PCV2</td>
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<td>n/a</td>
<td>n/a</td>
</tr>
<tr>
<td>ROTAVIRUS</td>
<td>Rotavirus</td>
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</tr>
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<td>BCG (selective)</td>
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</tr>
<tr>
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</tr>
<tr>
<td>Hib/MenC booster</td>
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<tr>
<td>Pnuemococcal booster</td>
<td>PCV booster</td>
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</tr>
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<td>DIPHTHERIA booster</td>
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</tr>
<tr>
<td>PERTUSSIS booster</td>
<td>aP4</td>
<td>n/a</td>
<td>n/a</td>
<td>n/a</td>
<td>n/a</td>
</tr>
</tbody>
</table>

- **DIPHTHERIA**
  - D3: No change
- **PERTUSSIS**
  - aP3: No change
- **TETANUS**
  - T3: No change
- **POLIO**
  - Po3: No change
- **Hib (primary)**
  - Hib3: No change
- **HepB (Routine) (national code 131)**
  - Hep3(Routine): Report completed primary course (three doses before 1st, 2nd and 5th birthday)
- **REMOVE MenC (primary)**
  - MenC: The infant dose of MenC given at three months was removed from the routine schedule from 1 July 2016. 12 month MenC for children born from 1 April 2016 will no longer be evaluated by the COVER programme
- **PNEUMOCOCCAL (primary)**
  - PCV2: No change
- **ROTAVIRUS**
  - Rotavirus: No change
- **BCG (selective)**
  - BCG: No change
- **MMR1**
  - MMR1: No change
- **Hib/MenC booster**
  - Hib/MenC: No change
- **Pnuemococcal booster**
  - PCV booster: No change
- **DIPHTHERIA booster**
  - D4: No change
- **PERTUSSIS booster**
  - aP4: No change

n/a = not applicable  
= no change  
= revised or new
<table>
<thead>
<tr>
<th>Vaccine Type</th>
<th>Vaccine Code</th>
<th>Doses</th>
<th>Doses</th>
<th>Doses</th>
<th>Doses</th>
<th>Doses</th>
<th>Doses</th>
<th>Recommendation</th>
</tr>
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<tbody>
<tr>
<td>TETANUS booster</td>
<td>T4</td>
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<td>n/a</td>
<td>n/a</td>
<td>n/a</td>
<td>n/a</td>
<td>No change</td>
</tr>
<tr>
<td>POLIO booster</td>
<td>Po4</td>
<td>n/a</td>
<td>n/a</td>
<td>n/a</td>
<td>n/a</td>
<td>n/a</td>
<td>n/a</td>
<td>No change</td>
</tr>
<tr>
<td>MMR2</td>
<td>MMR2</td>
<td>n/a</td>
<td>n/a</td>
<td>n/a</td>
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<td>n/a</td>
<td>n/a</td>
<td>No change</td>
</tr>
<tr>
<td>Hepatitis B (routine and selective, national codes 131 and 132)</td>
<td>HepB3(routine) and HepB(selective))</td>
<td>n/a</td>
<td>n/a</td>
<td>n/a</td>
<td>n/a</td>
<td>n/a</td>
<td>n/a</td>
<td>Report 5 doses of a hepB containing vaccine (HepB(routine) and HepB(selective)) before 1st birthday, and 6 doses a hepB containing vaccine (HepB(routine) and HepB(selective))) before 2nd birthday</td>
</tr>
<tr>
<td>MenB</td>
<td>MenB2</td>
<td>n/a</td>
<td>n/a</td>
<td>n/a</td>
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<td>LIVE REPORTING SINCE 2016 no change</td>
</tr>
<tr>
<td>MenB booster</td>
<td>MenB booster</td>
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<td>n/a</td>
<td>n/a</td>
<td>n/a</td>
<td>n/a</td>
<td>n/a</td>
<td>LIVE REPORTING SINCE 2016 no change</td>
</tr>
</tbody>
</table>

**Notes:**
- Live reporting since 2016.
- No change for hepatitis B.
- Report 5 doses of a hepB containing vaccine (HepB(routine) and HepB(selective)) before 1st birthday, and 6 doses a hepB containing vaccine (HepB(routine) and HepB(selective)) before 2nd birthday.