

<b>Change required by the Department of Health (DH) and approved by the ROCR Steering Committee</b>  ROCR Reference No. ROCR/OR/0105/002	Subject:  <b>Extending the childhood immunisation data collected through the COVER (cover of vaccination evaluated rapidly) system by the Health Protection Agency: uptake of hepatitis B immunisation in babies born to infected mothers</b>
	Implementation Date: 1/04/2005

### DATA SET CHANGE CONTROL PROCEDURE

This paper gives notification of changes to be included in the NHS Data Dictionary & Manual and the NHS CDS Manual as appropriate. These will be consolidated into the publications in due course.

#### Summary of Changes:

This notice advises that the childhood immunisation data collected by the Health Protection Agency (HPA) on behalf of Department of Health (DH) through the COVER system will be extended to include the collection of data about the hepatitis B immunisation of babies born to infected mothers.

*Change Proposal  
Reference No: N/A*

The packaging of standards document is under review. Any changes will be notified in due course.

#### Data Set Change Notices are located at:

<http://www.nhsia.nhs.uk/dscn> and on the NHSnet at:  
<http://www.nhsia.nhs.uk/dscn>

## DATA SET CHANGE NOTICE 25/2004

- Reference:** ROCR/OR/0105/002
- Subject:** Extending the childhood immunisation data collected through the COVER (cover of vaccination evaluated rapidly) system by the Health Protection Agency (HPA): uptake of hepatitis B immunisation in babies born to infected mothers.
- Type of change:** Notification that the childhood immunisation data collected by HPA on behalf of Department of Health (DH) through the COVER system will be extended to include collection of data on uptake of hepatitis B immunisation in babies born to infected mothers.
- Effective date:** The requirement to submit a return will start from 1 April 2005, with the first return covering the quarter 1 April 2005 – 30 June 2005. Initially Primary Care Trusts (PCTs) will be required to submit at least a numerator for the number of children vaccinated. By April 2006, it is expected that PCTs will be able to supply a valid numerator and denominator to estimate overall coverage.
- Reason for change:** To improve surveillance of hepatitis B immunisation in babies born to mothers infected with hepatitis B and assist performance management aspects of the antenatal screening programme for hepatitis B and immunisation of babies at risk.
- Effect on NHS Data Dictionary:** Changes to the NHS Data Standards will be published as a separate DSCN

### Introduction

1. DH, ROCR and Ministers have decided the childhood immunisation data currently collected by HPA on behalf of DH should be extended to collect data on the uptake of hepatitis B immunisation of babies born to infected mothers.

### Background

2. The Chief Medical Officer's infectious diseases strategy *Getting Ahead of the Curve* recommended that intensified control measures were needed for hepatitis B including improved surveillance. DH policy is that all pregnant women should

be offered antenatal screening for hepatitis B so that babies born to infected mothers can be offered immunisation starting at birth. Immunisation can prevent the development of chronic hepatitis B infection in 90-95% of babies born to infected mothers and the associated risk of cirrhosis and primary liver cancer later in life.<sup>1</sup> The accelerated hepatitis B immunisation schedule is recommended for babies born to infected mothers. This means an initial dose at birth, with further doses at one and two months of age and a booster dose at 12 months. There is currently no formal surveillance of the uptake of subsequent doses of hepatitis B vaccine in babies born to infected mothers.

## **Cover**

3. The Health Protection Agency collect information about the uptake of immunisation among children aged one and two years through their immunisation uptake surveillance COVER system.

## **Child Health System (CHS)**

4. COVER data is obtained from the CHS maintained by PCTs. CHS is a computerised system comprising of a number of modules for monitoring various stages of a child's health, education and development. Included is a module for recording and maintaining details of the PCT's childhood immunisation programme. HPA send a request form to PCTs with details of the information that they require to be extracted from CHS for COVER purposes. A copy of the request form for hepatitis B immunisation of babies born to infected mothers is attached at the end of this DSCN.

## **Impact**

5. This extension of collection of childhood immunisation data through COVER will have no additional impact on PCTs either in financial or staffing terms. CHS is a computerised system and the extraction of information about childhood immunisation by administrative staff for COVER is straightforward. It is estimated that at individual PCT level the administrative time spent on the collection and submission of COVER data is 3 person days per year. The total person days for the collection and submission of childhood immunisation data is therefore estimated at about 1,000 person days per year

## **Presentation**

6. This extension of collection of childhood immunisation data through COVER falls within the ROCR arrangements. COVER information on childhood

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<sup>1</sup> Health Service Circular 1998/127 *Screening of pregnant women for hepatitis B and immunisation of babies at risk* is the relevant policy guidance to the NHS:  
[http://www.dh.gov.uk/PublicationsAndStatistics/LettersAndCirculars/HealthServiceCirculars/HealthServiceCircularsArticle/fs/en?CONTENT\\_ID=4004295&chk=ddPabn](http://www.dh.gov.uk/PublicationsAndStatistics/LettersAndCirculars/HealthServiceCirculars/HealthServiceCircularsArticle/fs/en?CONTENT_ID=4004295&chk=ddPabn)

immunisation is published annually in a DH statistical bulletin, which is available on the DH website [www.dh.gov.uk](http://www.dh.gov.uk).

**Additional information**

For additional information contact:

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Health Protection Agency  
Surveillance Centre  
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E-mail: [COVER@hpa.org.uk](mailto:COVER@hpa.org.uk)

**Hepatitis B Vaccination**  
**Evaluation Quarter: xx/xx/xx to yy/yy/yy**

**REQUEST PARAMETERS FOR  
HEPATITIS B VACCINATION DATA**

**PCT NAME:**

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The following groups of children are to be included as PCT responsible population:

- all children registered with a GP whose practice forms part of the PCT, regardless of where the child is resident, plus
- any children not registered with a GP, who are resident within the PCT's statutory geographical boundary

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

**12 month cohort**

1. Total number of children for whom the PCT is responsible on yy/yy/yy with maternal HB status positive\* and reaching their first birthday during the above evaluation quarter (i.e. born in quarter 12 months before xx/xx/xx-yy/yy/yy):
2. Total number included in line 1 and receiving a third dose of vaccine before their first birthday:

**24 month cohort**

3. Total number of children for whom the PCT is responsible on yy/yy/yy with maternal HB status positive\* and reaching their second birthday during the above evaluation quarter (i.e. born in quarter 24 months before xx/xx/xx-yy/yy/yy):
4. Total number included in line 3 and receiving a fourth dose of vaccine before their second birthday:

\*maternal HB status positive: HBsAg+ve

Please return by **yy/yy/yy plus two months**

Send returns by email to [\*\*COVER@hpa.org.uk\*\*](mailto:COVER@hpa.org.uk) or by post to:

COVER, Immunisation Department, Health Protection Agency, 61 Colindale Avenue  
London NW9 5EQ. Tel: 020 8327 6896 Fax 020 8327 7404