
NHS Information
Standards Board

Subject:

**Data Standards:
COVER - Hepatitis B immunisation for
babies**

Implementation Date: **1 April 2005**

DATA SET CHANGE CONTROL PROCEDURE

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

Summary of Changes:

Additions to data standards in the NHS Data Dictionary to support a new central return for the COVER child immunisation data collection, reporting on hepatitis B immunisation of babies born to infected mothers

Related DSCNs for this collection: DSCN 01/2003, DSCN 25/2004

The NHS Information Standards Board (ISB) is responsible for approving information standards. The ISB output related to the assurance and sign-off of this standard can be found at www.isb.nhs.uk

Data Set Change Notices are located at:

**<http://www.nhsia.nhs.uk/dscn> and on the NHSnet at:
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NHS Data Model and Dictionary Service

Reference:	Change Request 555
Version No:	1.11
Subject:	COVER: Uptake of Hepatitis B Immunisation in babies
Type of Change:	Update to NHS Data Dictionary
Effective Date:	1 April 2005
Reason for Change:	The childhood immunisation data collected through the COVER (cover of vaccination evaluated rapidly) system has been extended to include the collection of data about hepatitis B immunisation of babies born to infected mothers as advised in DSCN 25/2004. This necessitated changes to data standards and additional COVER return guidance.

Background:

The Health Protection Agency (HPA) collects information about the uptake of immunisation among children through their immunisation uptake surveillance COVER (cover of vaccination evaluated rapidly) system. The immunisation data is collected on behalf of the Department of Health. 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. This means an initial dose at birth with further doses at one and two months of age and a booster dose at 12 months.

COVER data is obtained from the Child Health System (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 central return form to PCTs with details of the information that they require to be extracted from CHS for COVER purposes.

DSCN 25/2004 notified the service that the childhood immunisation data collected by the HPA through the COVER system would be extended to include the collection of data on the uptake of hepatitis B immunisation in babies born to infected mothers. The return is quarterly with the first return covering the period 1 April 2005 to 30 June 2005. Initially Primary Care Trusts (PCTs) are 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.

This DSCN updates the NHS Data Dictionary with the data definitions and guidance notes to support DSCN 25/2004, which was effective from 1 April 2005. The submission of this DSCN was unfortunately held up due to a dependency on other related work.

The term Immunisation Disease has been renamed Vaccine Preventable Disease on the advice of the HPA.

Summary of changes:

Class Definitions

[HEALTH PROGRAMME](#)

Change to Attributes

[PERSON IN PROGRAMME](#)

Change to Attributes

Attribute Definitions

[IMMUNISATION DISEASE](#)

Change to Name

[IMMUNISATION DISEASE](#) renamed [VACCINE PREVENTABLE DISEASE](#)

Change to Description

[MATERNAL HEP B STATUS](#)

New Attribute

[PRIMARY COURSE DOSE NUMBER](#)

Change to Description

Central Return Forms

[COVER 1](#)

Change to Guidance Text

[COVER 2](#)

Change to Guidance Text

[COVER 2](#)

New Central Return Form

[KC50 1](#)

Change to Guidance Text

[KC50 2](#)

Change to Guidance Text

Supporting Information

[IMMUNISATION PROGRAMME](#)

Change to Supporting Information

Date: 18 July 2005
Sponsor: Health Protection Agency

Note: Additions shown in highlighted with a blue background. Deletions are shown using strikethrough. Within the Diagrams deleted classes and relationships are shown as red in colour, blue is used for changed items and green is used for created items.

HEALTH PROGRAMME

Change to Class: Change to Attributes

Attributes of this Class are:

K PROGRAMME CODE
 AGE LOWER LIMIT
 AGE UPPER LIMIT
 BREAST SCREENING INCIDENT VIEW NUMBER
 BREAST SCREENING PREVALENT VIEW NUMBER
 BREAST SCREENING READING TYPE
 CERVICAL SCREENING RECALL INTERVAL
 COMMUNITY NURSE STAFF GROUP
 CONTACT TRACING DISEASE TYPE
 HEALTH PROGRAMME TYPE
 HEALTH PROMOTION PROGRAMME AIM
 IMMUNISATION AGE GROUP
 ~~IMMUNISATION DISEASE~~
 IMMUNISATION PROGRAMME TYPE
 ORAL HEALTH AGE GROUP
 PRIMARY COURSE DOSE NUMBER
 PROF ADVICE AND SUPPORT STAFF GROUP
 PROGRAMME DESCRIPTION
 PROGRAMME HEADING CODE
 REINFORCING COURSE DOSE NUMBER
 SCREENING CONDITION OR DISEASE
 SCREENING OR PROMOTION INDICATOR
 SURVEILLANCE PROGRAMME GROUP
 VACCINE PREVENTABLE DISEASE

PERSON IN PROGRAMME

Change to Class: Change to Attributes

Attributes of this Class are:

K PATIENT IN PROGRAMME START DATE
 DISEASE FOUND INDICATOR
 MATERNAL HEP B STATUS
 PATIENT IN PROGRAMME END DATE
 PATIENT TRIAL STATUS
 PERSON FOUND DATE
 REASON FOR NO START OR COMPLETION
 SCREENING STATUS
 TRACED INDICATOR

IMMUNISATION DISEASE

Change to Attribute: Change to Name

IMMUNISATION DISEASE VACCINE PREVENTABLE DISEASE

IMMUNISATION DISEASE renamed VACCINE PREVENTABLE DISEASE

Change to Attribute: Change to Description

~~A disease, or group of diseases, against which an Immunisation Programme is directed, or for which a GENERAL MEDICAL PRACTITIONER may deliver a CLINICAL INTERVENTION, for which a fee may be claimed.~~ A disease, or group of diseases, against which an Immunisation Programme is directed.

Examples:

- a. Diphtheria*
- b. Tetanus*
- c. Poliomyelitis*
- d. Pertussis*
- e. Tuberculosis*
- f. Anthrax
- g. Haemophilus influenzae type b (Hib)*
- h. Measles, Mumps and Rubella (MMR)*
- i. Rabies
- j. Typhoid
- k. Group C meningococcal disease (MenC)*
- l. Hepatitis B*

Note: This list is an example only and may be adjusted to meet local requirements.

*required to enable data to be returned centrally

~~References:~~

~~Statement of Fees and Allowances Payable to General Medical Practitioners in England and Wales.~~

This attribute is also known by these names:

Context	Alias
plural	IMMUNISATION DISEASES
plural	VACCINE PREVENTABLE DISEASES

MATERNAL HEP B STATUS

Change to Attribute: New Attribute

MATERNAL HEP B STATUS

The status of a child's mother for Hepatitis B (maternal HBsAg+ve). If this is positive it would indicate the need for Hepatitis B vaccination for the child.

National Codes:

- 1 Maternal Hepatitis B status negative
- 2 Maternal Hepatitis B status positive
- 9 Not known

This attribute is also known by these names:

Context	Alias
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PRIMARY COURSE DOSE NUMBER

Change to Attribute: Change to Description

~~The number of recommended doses required to complete a primary course for a particular Immunisation Programme for an IMMUNISATION DISEASE.~~ The number of recommended doses required to complete a primary course for a particular Immunisation Programme for an VACCINE PREVENTABLE DISEASE. For example, for a primary course of immunisation against Diphtheria, it is recommended that 3 doses be given. The number of doses recommended may vary depending on the age of the PATIENT. For example, Haemophilus influenzae type b (Hib) primary course consists of 3 doses before thirteen months or one dose thereafter and immunisation against Group C meningococcal disease (MenC) requires 2 or 3 doses before 12 months according to age at vaccination or one dose thereafter.

This attribute is also known by these names:

Context	Alias
plural	PRIMARY COURSE DOSE NUMBERS

COVER 1

Change to Central Return Form: Change to Guidance Text

COVER - Request Parameters for COVER data Contextual Overview

1. The Department of Health requires annual information on childhood immunisations to support performance indicators and benchmark indicators.
2. The performance indicators and benchmark indicators will be published routinely on the [DH Website - Statistics](#).
3. Information provided by COVER together with supplementary data collected on KC50 is published annually in the DH statistical bulletin: NHS Immunisation Statistics, England.

Completing the return COVER - Request Parameters for COVER data

4. The return is required from Primary Care Trusts for children in their responsible population, i.e.
 - all children registered with a GP whose practice forms part of the Primary Care Trust, regardless of where the child is resident, plus - any children not registered with a GP, who are resident within the Primary Care Trusts statutory geographical boundary.

Children resident within the Primary Care Trust geographical area, who are registered with a GP belonging to another Primary Care Trust, should be returned by the GP's Primary Care Trust.
5. The return is required to be submitted quarterly to the Communicable Disease Surveillance Centre, who then forward annual data to the Department of Health.
6. The information necessary for COVER may be submitted as a computer output page containing the relevant data, which should be returned within two months of the end of the quarter to which it relates.
7. The COVER data provides the immunisation status of three cohorts of children, aged 12 months, 24 months, and 5 years.

Request 1: 12 MONTH COHORT

1. The total number of children for whom the PCT is responsible on yy/yy/yyyy reaching their 1st birthday during the evaluation quarter.

8. This is the total number of children in the 12 month cohort, i.e. the number of children within the Primary Care Trust's responsible population at the REPORTING PERIOD END DATE who reached the age of one during the REPORTING PERIOD.

2. Total number included in line 1 completing a primary course at any time up to their 1st birthday for each of the listed diseases.

- ~~9. This is a count of the number of Immunisation Programmes For Person for children in the 12 month cohort, with an Immunisation Completion Date for an IMMUNISATION COURSE TYPE classification of primary up to the child's first birthday for particular IMMUNISATION DISEASES. The IMMUNISATION DISEASES currently reported are Diphtheria, Pertussis, Tetanus, Polio, Haemophilus influenzae type b (Hib), and Group C meningococcal disease (MenC). Immunisation Programme For Person is a PATIENT's involvement as a subject of a HEALTH PROGRAMME where the HEALTH PROGRAMME is a HEALTH PROGRAMME TYPE of National Code 08 'Planned Immunisation Programme for neonates and schoolchildren'. Immunisation Dose Given is a CLINICAL INTERVENTION where CLINICAL INTERVENTION TYPE is National Code 17 'Immunisation Dose Given'. Immunisation Completion Date is the same as attribute ACTIVITY DATE where ACTIVITY DATE TIME TYPE is National Code 35 'Immunisation Completion Date'.~~
9. This is a count of the number of Immunisation Programmes For Person for children in the 12 month cohort, with an Immunisation Completion Date for an IMMUNISATION COURSE TYPE classification of primary up to the child's first birthday for particular VACCINE PREVENTABLE DISEASES. The VACCINE PREVENTABLE DISEASES currently reported are Diphtheria, Pertussis, Tetanus, Polio, Haemophilus influenzae type b (Hib), and Group C meningococcal disease (MenC). Immunisation Programme For Person is a PATIENT's involvement as a subject of a HEALTH PROGRAMME where the HEALTH PROGRAMME is a HEALTH PROGRAMME TYPE of National Code 08 'Planned Immunisation Programme for neonates and schoolchildren'. Immunisation Dose Given is a CLINICAL INTERVENTION where CLINICAL INTERVENTION TYPE is National Code 17 'Immunisation Dose Given'. Immunisation Completion Date is the same as attribute ACTIVITY

Request 2: 24 MONTH COHORT

3. The total number of children for whom the PCT is responsible on dd/mm/yyyy reaching their 2nd birthday during the evaluation quarter.

10. This is the total number of children in the 24 month cohort, i.e. the number of children within the Primary Care Trusts responsible population at the REPORTING PERIOD END DATE who reached the age of two during the REPORTING PERIOD.

4. Total number included in line 3 completing a primary course at any time up to their 2nd birthday for each of the listed diseases.

- ~~11. This is a count of the number of Immunisation Programmes For Person for children in the 24 month cohort, with an Immunisation Completion Date for an IMMUNISATION COURSE TYPE classification of primary up to the child's second birthday for particular IMMUNISATION DISEASES. The IMMUNISATION DISEASES currently reported are Diphtheria, Pertussis, Tetanus, Polio, Haemophilus influenzae type b (Hib), Group C meningococcal disease (MenC), and MMR. Immunisation Programme For Person is a PATIENT's involvement as a subject of a HEALTH PROGRAMME where the HEALTH PROGRAMME is a HEALTH PROGRAMME TYPE of National Code 08 'Planned Immunisation Programme for neonates and schoolchildren'. Immunisation Dose Given is a CLINICAL INTERVENTION where CLINICAL INTERVENTION TYPE is National Code 17 'Immunisation Dose Given'. Immunisation Completion Date is the same as attribute ACTIVITY DATE where ACTIVITY DATE TIME TYPE is National Code 35 'Immunisation Completion Date'.~~

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Request 3: 5 YEAR COHORT

The total number of children for whom the PCT is responsible on dd/mm/yyyy reaching their 5th birthday during the evaluation quarter.

12. This is the total number of children in the 5 year cohort, i.e. the number of children within the Primary Care Trust's responsible population at the REPORTING PERIOD END DATE who reached the age of five during the REPORTING PERIOD.

6. Total number included in line 5 completing a primary course at any time up to their 5th birthday and also total number included in line 5 receiving boosters for each of the listed diseases.

- ~~13. This is a count of the number of Immunisation Programmes For Person for children in the 5 year cohort, with an Immunisation Completion Date for an IMMUNISATION COURSE TYPE classification of primary up to the PERSON's fifth birthday for particular IMMUNISATION DISEASES. The IMMUNISATION DISEASES currently reported are Diphtheria, Pertussis, Tetanus, Polio, Haemophilus influenzae type b (Hib), Group C meningococcal disease (MenC), and MMR.~~

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14. ~~For booster courses this is a count of the number of Immunisation Programmes For Person for children in the 5 year cohort, with an Immunisation Completion Date for an IMMUNISATION COURSE TYPE classification of booster up to the PERSON's fifth birthday for particular IMMUNISATION DISEASES. The IMMUNISATION DISEASES currently reported are Diphtheria, Pertussis, Tetanus, Polio, Haemophilus influenzae type b (Hib), Group C meningococcal disease (MenC) and MMR.~~

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Change to Central Return Form: Change to Guidance Text

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Completing the return COVER - Request Parameters for COVER data

4. The return is required from Primary Care Trusts for children in their responsible population, i.e.
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2. Total number included in line 1 completing a primary course at any time up to their 1st birthday for each of the listed diseases.

- ~~9. This is a count of the number of Immunisation Programme For Person for children in the 12 month cohort, with an Immunisation Completion Date for an IMMUNISATION COURSE TYPE classification of *primary* up to the child's first birthday for particular IMMUNISATION DISEASES. The IMMUNISATION DISEASES currently reported are Diphtheria, Pertussis, Tetanus, Polio, Haemophilus influenzae type b (Hib), and Group C meningococcal disease (MenC). Immunisation Programme For Person is a PATIENT's involvement as a subject of a HEALTH PROGRAMME where the HEALTH PROGRAMME is a HEALTH PROGRAMME TYPE of National Code 08 '*Planned Immunisation Programme for neonates and schoolchildren*'. Immunisation Dose Given is a CLINICAL INTERVENTION where CLINICAL INTERVENTION TYPE is National Code 17 '*Immunisation Dose Given*'. Immunisation Completion Date is the same as attribute ACTIVITY DATE where ACTIVITY DATE TIME TYPE is National Code 35 '*Immunisation Completion Date*'.~~
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Request 2: 24 MONTH COHORT

3. The total number of children for whom the PCT is responsible on dd/mm/yyyy reaching their 2nd birthday during the evaluation quarter.

10. This is the total number of children in the 24 month cohort, i.e. the number of children within the Primary Care Trust's responsible population at the REPORTING PERIOD END DATE who reached the age of two during the REPORTING PERIOD.

4. Total number included in line 3 completing a primary course at any time up to their 2nd birthday for each of the listed diseases.

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Request 3: 5 YEAR COHORT

The total number of children for whom the PCT is responsible on yy/yy/yyyy reaching their 5th birthday during the evaluation quarter.

12. This is the total number of children in the 5 year cohort, i.e. the number of children within the Primary Care Trust's responsible population at the REPORTING PERIOD END DATE who reached the age of five during the REPORTING PERIOD.

6. Total number included in line 5 completing a primary course at any time up to their 5th birthday and also total number included in line 5 receiving boosters for each of the listed diseases.

- ~~13. For primary courses this is a count of the number of Immunisation Programmes For Person for children in the 5 year cohort, with an Immunisation Completion Date for an IMMUNISATION COURSE TYPE classification of primary up to the PERSON's fifth birthday for particular IMMUNISATION DISEASES. The IMMUNISATION DISEASES currently reported are Diphtheria, Pertussis, Tetanus, Polio, Haemophilus influenzae type b (Hib), Group C meningococcal disease (MenC), and MMR.~~

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- ~~14. For booster courses this is a count of the number of Immunisation Programmes For Person for children in the 5 year cohort, with an Immunisation Completion Date for an IMMUNISATION COURSE TYPE of booster up to the PERSON's fifth birthday for particular IMMUNISATION DISEASES. The IMMUNISATION DISEASES currently reported are Diphtheria, Pertussis, Tetanus, Polio, Haemophilus tyupe b (Hib), Group C meningococcal disease (MenC), and MMR.~~

14. For booster courses this is a count of the number of Immunisation Programmes For Person for children in the 5 year

cohort, with an Immunisation Completion Date for an IMMUNISATION COURSE TYPE of booster up to the PERSON's fifth birthday for particular VACCINE PREVENTABLE DISEASES. The VACCINE PREVENTABLE DISEASES currently reported are Diphtheria, Pertussis, Tetanus, Polio, Haemophilus tyupe b (Hib), Group C meningococcal disease (MenC), and MMR.

THIS DATA COLLECTION HAS BEEN APPROVED BY
THE REVIEW OF CENTRAL RETURNS STEERING COMMITTEE – ROCR
ROCR REFERENCE: ROCR/OR/0105/002

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

**REQUEST PARAMETERS FOR
HEPATITIS B VACCINATION DATA**

PCT NAME:
.....

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

COVER - Request Parameters for Hepatitis B Vaccination data

12 month cohort

1. Total number of children for whom the PCT is responsible on yy/yy/yy with maternal Hepatitis B status positive and reaching their first birthday during the evaluation quarter.

1. A count of the number of PERSONS relevant to a particular Primary Care Trust (either registered with a GP Practice within the PCT or, if not registered with a GP Practice, residing within the geographical boundaries of the PCT) who reached the age of one year during the evaluation period who have a MATERNAL HEP B STATUS with a National Code 2 'Maternal Hepatitis B status positive'.

2. Total number included in line 1 and receiving a third dose of Hepatitis B vaccine before their 1st birthday.

2. A count of the number of children in an Immunisation Programme For Person within the above cohort who reached the

age of one year during the evaluation period who have had 3 Immunisation Doses Given for VACCINE PREVENTABLE DISEASE of Hepatitis B before the child's first birthday. Immunisation Programme For Person is a PERSON IN PROGRAMME. Immunisation Dose Given is a CLINICAL INTERVENTION with a National Code 17 '*Immunisation Dose Given*'.

24 month cohort

3. Total number of children for whom the PCT is responsible on yy/yy/yy with maternal Hepatitis B status positive and reaching their second birthday during the evaluation quarter.

3. A count of the number of PERSONS relevant to a particular Primary Care Trust (either registered with a GP Practice within the PCT or, if not registered with a GP Practice, residing within the geographical boundaries of the PCT) who reached their second birthday during the evaluation period who have a MATERNAL HEP B STATUS with a National Code 2 '*Maternal Hepatitis B status positive*'

4. Total number included in line 3 and receiving a fourth dose of vaccine for Hepatitis B before their 2nd birthday

4. A count of the number of children in an Immunisation Programme For Person within the above cohort who have had a fourth Immunisation Dose Given for VACCINE PREVENTABLE DISEASE of Hepatitis B before the child's second birthday. Immunisation Programme For Person is a PERSON IN PROGRAMME. Immunisation Dose Given is a CLINICAL INTERVENTION with a National Code 17 '*Immunisation Dose Given*'.

Change to Central Return Form: Change to Guidance Text

KC50 - Immunisation Programmes Activity

Contextual Overview

1. The Department and Regional Offices require summary details from NHS Health Care Providers to monitor Immunisation Programme activity in their areas. This information is normally available through the Child Health computer system.
2. ~~Immunisation Programmes are programmes to deliver services within a 'structured framework' to a defined target population, planned by the Department of Health and implemented by Health Authorities which are aimed at maintaining an adequate level of immunisation in a population against a specific IMMUNISATION DISEASE, such as diphtheria or tuberculosis, by a determined sequence of immunisation courses which can be primary, first booster, second booster, etc.~~
2. Immunisation Programmes are programmes to deliver services within a 'structured framework' to a defined target population, planned by the Department of Health and implemented by Health Authorities which are aimed at maintaining an adequate level of immunisation in a population against a specific VACCINE PREVENTABLE DISEASE, such as diphtheria or tuberculosis, by a determined sequence of immunisation courses which can be primary, first booster, second booster, etc.
3. National targets for all vaccines in the recommended childhood schedule have been set at 95%, as detailed in the National Priorities Guidance Undercutting Health Inequalities. The KC50 return monitors progress of the childhood immunisation programme.
4. Information based on the return is also used in Public Expenditure Survey (PES) negotiations and resource allocation to the NHS.
5. Information about uptake of immunisation, formerly on the KC51 return, is collected through the 'COVER' (cover of vaccination evaluated rapidly) returns made to the Communicable Disease Surveillance Centre (CDSC). From April 1999 uptake of all primary and booster pre-school immunisation is being monitored through COVER.
6. The KC50 return relates to school leaver immunisation and also to BCG testing and vaccination, as these aspects of the immunisation programme are not at present available through the COVER system.
7. Information based on the return will be published annually in a Department of Health Statistical Bulletin 'Vaccination and Immunisation Programmes; England'.

Completing Return KC50 - Immunisation Programmes Activity

8. The central return KC50 is completed by NHS Health Care Providers - NHS Trusts. These are asked to ensure that all immunisation activity in their area is recorded, including that provided by GP in addition to the NHS Trusts own provision of immunisation, if any. If problems are encountered in obtaining immunisation data from GP, this should be indicated on the return. The NHS Trust which manages the Child Health System should be responsible for liaising if necessary with neighbouring NHS Trust to ensure full coverage and avoid duplication. If full coverage cannot be provided, this should be indicated on the return.
9. The KC50 return relates to activity taking place over a 12 month period, between 1 April of one year and 31 March of the following year. The return is made annually and submitted within two months of the end of the year to which it relates.
10. KC50 requires the ORGANISATION CODE and ORGANISATION NAME of the NHS Health Care Provider as well as the name of a contact and the contact telephone number on the front page. The ORGANISATION CODES is repeated at the bottom of each sheet.

KC50 - Immunisation Programmes Activity

Part A: Immunisations Given to School Leavers (Ages 13 - 16)

1. Part A of the return collects information about school leaver booster immunisations together with information on school leaver Measles, Mumps and Rubella (MMR) immunisations.

Age (in years) on Receipt of Booster or Reinforcing Dose (first column)

2. This is derived from the PERSON BIRTH DATE of the PERSON. Line 99 requires the total of children in the 13-16 age band in the period covered by the return who are included in one or more Immunisation Programme For Person.

Number of Booster/Reinforcing Doses given to School Leavers in the year (column 2 - 4)

3. ~~Column 2 requires a count of the number of children in the 13-16 age band with an Immunisation Dose Given as part of an Immunisation Programme For Person where the IMMUNISATION DISEASE which is the target of the IMMUNISATION COURSE TYPE is diphtheria and the immunisation course is for all completed MMR courses. The Dose Given Date must fall within the period covered by the return, between 1 April and 31 March.~~

~~Immunisation Programme For Person is a PATIENT's involvement as a subject of a HEALTH PROGRAMME where the HEALTH PROGRAMME is a HEALTH PROGRAMME TYPE of National Code 08 'Immunisation Programme'. Immunisation Dose Given is a CLINICAL INTERVENTION where CLINICAL INTERVENTION TYPE is National Code 17 'Immunisation Dose Given'. Dose Given Date is the same as attribute ACTIVITY DATE where ACTIVITY DATE TIME TYPE is National Code 37 'Dose Given Date'.~~

3. Column 2 requires a count of the number of children in the 13-16 age band with an Immunisation Dose Given as part of an Immunisation Programme For Person where the VACCINE PREVENTABLE DISEASE which is the target of the IMMUNISATION COURSE TYPE is diphtheria and the immunisation course is for all completed MMR courses. The Dose Given Date must fall within the period covered by the return, between 1 April and 31 March.

Immunisation Programme For Person is a PATIENT's involvement as a subject of a HEALTH PROGRAMME where the HEALTH PROGRAMME is a HEALTH PROGRAMME TYPE of National Code 08 'Immunisation Programme'. Immunisation Dose Given is a CLINICAL INTERVENTION where CLINICAL INTERVENTION TYPE is National Code 17 'Immunisation Dose Given'. Dose Given Date is the same as attribute ACTIVITY DATE where ACTIVITY DATE TIME TYPE is National Code 37 'Dose Given Date'.

4. ~~For columns 3 and 4, the IMMUNISATION DISEASES are tetanus and polio respectively; all other requirements are the same as for column 2.~~

4. For columns 3 and 4, the VACCINE PREVENTABLE DISEASES are tetanus and polio respectively; all other requirements are the same as for column 2.

Number of Courses of MMR Completed in the Year for Children Aged 13 - 16 (column 5)

5. ~~Column 5 requires a count of the number of children in the 13-16 age band with an Immunisation Dose Given as part of an Immunisation Programme For Person where the IMMUNISATION DISEASE which is the target of the IMMUNISATION COURSE TYPE is MMR and the immunisation course is for all completed MMR courses. The Immunisation Completion Date given must fall within the period covered by the return, between 1 April and 31 March.~~

~~Immunisation Programme For Person is a PATIENT's involvement as a subject of a HEALTH PROGRAMME where the HEALTH PROGRAMME is a HEALTH PROGRAMME TYPE of National Code 08 'Immunisation Programme'. Immunisation Dose Given is a CLINICAL INTERVENTION where CLINICAL INTERVENTION TYPE is National Code 17 'Immunisation Dose Given'. Immunisation Completion Date is the same as attribute ACTIVITY DATE where ACTIVITY DATE TIME TYPE is National Code 35 'Immunisation Completion Date'.~~

5. Column 5 requires a count of the number of children in the 13-16 age band with an Immunisation Dose Given as part of an Immunisation Programme For Person where the VACCINE PREVENTABLE DISEASE which is the target of the

IMMUNISATION COURSE TYPE is MMR and the immunisation course is for all completed MMR courses. The Immunisation Completion Date given must fall within the period covered by the return, between 1 April and 31 March.

Immunisation Programme For Person is a PATIENT's involvement as a subject of a HEALTH PROGRAMME where the HEALTH PROGRAMME is a HEALTH PROGRAMME TYPE of National Code 08 'Immunisation Programme'. Immunisation Dose Given is a CLINICAL INTERVENTION where CLINICAL INTERVENTION TYPE is National Code 17 'Immunisation Dose Given'. Immunisation Completion Date is the same as attribute ACTIVITY DATE where ACTIVITY DATE TIME TYPE is National Code 35 'Immunisation Completion Date'.

Part B: BCG (Tuberculosis)

- Part B of KC50 requires age-banded data on the number and results of tuberculosis skin tests in the year and the number of BCG vaccinations made both through Immunisation Programmes and through opportunistic or other screening for anyone aged 1 or over.

Age (in years) at vaccination (column 6)

- This is derived from the PERSON BIRTH DATE of the PERSON and is the age at the time of vaccination. Line 01 is now recorded by Part c of the return and so is not used. Line 02 includes children aged 1 to 9 years, line 03 includes children aged 10 to 13 years and Line 04, children aged 14 and 15 years. Line 05 includes all persons 16 years and over. Line 99 requires the total for all ages 1 or over.

Number of Skin Tests in the Year (columns 7 & 8)

- ~~Columns 7 & 8 require a count of the number of people with an IMMUNITY TEST RESULT, with a Test Of Immunity made as part of an Immunisation Programme For Person and where the IMMUNISATION DISEASE which is the target of the Immunisation Programme is tuberculosis. The count only covers those immunity tests where the result is known. The Test Date must fall within the period covered by the return, between 1 April and 31 March.~~

~~Immunisation Programme For Person is a PATIENT's involvement as a subject of a HEALTH PROGRAMME where the HEALTH PROGRAMME is a HEALTH PROGRAMME TYPE of National Code 08 'Immunisation Programme'. Test Of Immunity is a CLINICAL INTERVENTION where CLINICAL INTERVENTION TYPE is National Code 30 'Test Of Immunity'. Test Date is the same as attribute ACTIVITY DATE where ACTIVITY DATE TIME TYPE is National Code 38 'Test Date'.~~

- Columns 7 & 8 require a count of the number of people with an IMMUNITY TEST RESULT, with a Test Of Immunity made as part of an Immunisation Programme For Person and where the VACCINE PREVENTABLE DISEASE which is the target of the Immunisation Programme is tuberculosis. The count only covers those immunity tests where the result is known. The Test Date must fall within the period covered by the return, between 1 April and 31 March.

Immunisation Programme For Person is a PATIENT's involvement as a subject of a HEALTH PROGRAMME where the HEALTH PROGRAMME is a HEALTH PROGRAMME TYPE of National Code 08 'Immunisation Programme'. Test Of Immunity is a CLINICAL INTERVENTION where CLINICAL INTERVENTION TYPE is National Code 30 'Test Of Immunity'. Test Date is the same as attribute ACTIVITY DATE where ACTIVITY DATE TIME TYPE is National Code 38 'Test Date'.

Found Positive (column 7)

- Column 7 requires a count of the IMMUNITY TEST RESULTS, where the classification is 'Test given and result known: individual immune'.

Found Negative (column 8)

- Column 8 requires a count of the IMMUNITY TEST RESULTS where the classification is 'Test given and result known: individual not immune'.
- Note that in general the number of skin tests found negative is considerably larger than the number found positive. If this is not the case, an explanation should be included on the front sheet of the return.
- The number of negative skin tests in Immunisation Programmes For Person for school-children (aged less than 16 years) should be approximately the same as the number of vaccinations given. Again, if this is not the case, an explanation should be included on the front sheet of the return.

Number of Vaccinations in the Year (columns 9 & 10)

13. ~~Columns 9 and 10 require a count of Immunisation Dose Given as part of an Immunisation Programme For Person where the IMMUNISATION DISEASE which is the target of the IMMUNISATION COURSE TYPE is tuberculosis. The Dose Given Date given must fall within the period covered by the return, between 1 April and 31 March.~~

~~Immunisation Programme For Person is a PATIENT's involvement as a subject of a HEALTH PROGRAMME where the HEALTH PROGRAMME is a HEALTH PROGRAMME TYPE of National Code 08 'Immunisation Programme'. Immunisation Dose Given is a CLINICAL INTERVENTION where CLINICAL INTERVENTION TYPE is National Code 17 'Immunisation Dose Given'. Dose Given Date is the same as attribute ACTIVITY DATE where ACTIVITY DATE TIME TYPE is National Code 37 'Dose Given Date'.~~

13. Columns 9 and 10 require a count of Immunisation Dose Given as part of an Immunisation Programme For Person where the VACCINE PREVENTABLE DISEASE which is the target of the IMMUNISATION COURSE TYPE is tuberculosis. The Dose Given Date given must fall within the period covered by the return, between 1 April and 31 March.

Immunisation Programme For Person is a PATIENT's involvement as a subject of a HEALTH PROGRAMME where the HEALTH PROGRAMME is a HEALTH PROGRAMME TYPE of National Code 08 'Immunisation Programme'. Immunisation Dose Given is a CLINICAL INTERVENTION where CLINICAL INTERVENTION TYPE is National Code 17 'Immunisation Dose Given'. Dose Given Date is the same as attribute ACTIVITY DATE where ACTIVITY DATE TIME TYPE is National Code 37 'Dose Given Date'.

Through Planned Programmes for School-children (column 9)

14. Column 9 requires a count of the number of people vaccinated against tuberculosis where the IMMUNISATION PROGRAMME TYPE is National Code 01 'Planned Programme for schoolchildren'.

Other Programmes and Opportunistic (column 10)

15. Column 10 requires a count of the number of people vaccinated against tuberculosis where the IMMUNISATION PROGRAMME TYPE is National Code 04 'Other Programme'. This includes those instances where immunisation, perhaps as the opportunity arises, is by virtue of being a TB contact, new immigrant, at occupational high risk, etc.

Part C: BCG (Tuberculosis) Persons Aged Under 1

16. Part C of KC50 relates to children aged under 1 who receive BCG vaccinations made through Immunisation Programmes and through opportunistic or other screening.

Immunisation Programme is a HEALTH PROGRAMME where the HEALTH PROGRAMME TYPE is National Code 08 'Immunisation Programme'.

Type of Programme (column 11)

17. Column 11 is for immunisation of any child under 1 and whether the immunisation was opportunistic or other screening. Line 01 includes all immunisations where the IMMUNISATION PROGRAMME TYPE is National Code 02 'Planned programme for all neonates vaccinated routinely'. Line 02 includes all immunisations where the IMMUNISATION PROGRAMME TYPE is National Code 03 'Planned programme for neonates in selective high-risk group'. Line 03 includes any other programmes or opportunistic immunisations of children under 1, this is where the IMMUNISATION PROGRAMME TYPE is National Code 04 'Other Programme'. Line 99 requires the total immunisations of children under 1 within the reporting period.

Number identified as requiring vaccination (column 12)

18. ~~Column 12 is a count of the number of children under 1 who are identified as part of an Immunisation Programme For Person and where the IMMUNISATION DISEASE which is the target of the Immunisation Programme is tuberculosis.~~

~~Immunisation Programme For Person is a PATIENT's involvement as a subject of a HEALTH PROGRAMME where the HEALTH PROGRAMME is a HEALTH PROGRAMME TYPE of National Code 08 'Immunisation Programme'~~

18. Column 12 is a count of the number of children under 1 who are identified as part of an Immunisation Programme For Person and where the VACCINE PREVENTABLE DISEASE which is the target of the Immunisation Programme is tuberculosis.

Immunisation Programme For Person is a PATIENT's involvement as a subject of a HEALTH PROGRAMME where the

HEALTH PROGRAMME is a HEALTH PROGRAMME TYPE of National Code 08 'Immunisation Programme'

Found Vaccinated (column 13)

19. ~~Column13 is a count of Immunisation Doses Given as part of an Immunisation Programme For Person where the IMMUNISATION DISEASE which is the target of the Immunisation Programme is tuberculosis.~~

~~Immunisation Programme For Person is a PATIENT's involvement as a subject of a HEALTH PROGRAMME where the HEALTH PROGRAMME is a HEALTH PROGRAMME TYPE of National Code 08 'Immunisation Programme'.~~

~~Immunisation Dose Given is a CLINICAL INTERVENTION where the CLINICAL INTERVENTION TYPE is National Code 17 'Immunisation Dose Given'.~~

19. Column13 is a count of Immunisation Doses Given as part of an Immunisation Programme For Person where the VACCINE PREVENTABLE DISEASE which is the target of the Immunisation Programme is tuberculosis.

Immunisation Programme For Person is a PATIENT's involvement as a subject of a HEALTH PROGRAMME where the HEALTH PROGRAMME is a HEALTH PROGRAMME TYPE of National Code 08 'Immunisation Programme'.

Immunisation Dose Given is a CLINICAL INTERVENTION where the CLINICAL INTERVENTION TYPE is National Code 17 'Immunisation Dose Given'.

IMMUNISATION PROGRAMME

Change to Supporting Information: Change to Supporting Information

Immunisation Programme

Immunisation Programme is a HEALTH PROGRAMME.

~~An Immunisation Programme aimed at maintaining an adequate level of immunisation in a population against a specific IMMUNISATION DISEASE by a determined sequence of IMMUNISATION COURSE TYPES.~~ An Immunisation Programme aimed at maintaining an adequate level of immunisation in a population against a specific VACCINE PREVENTABLE DISEASE by a determined sequence of IMMUNISATION COURSE TYPES.

~~Each programme has a recommended number of doses which depend on the IMMUNISATION DISEASE being targeted.~~ Each programme has a recommended number of doses which depend on the VACCINE PREVENTABLE DISEASE being targeted. For example (this is not an exclusive list).

Disease	Primary course doses	Reinforcing (booster) course doses
Diphtheria	3	2
Pertussis	3	1
Tuberculosis	1	

TEST OF IMMUNITY

Change to Supporting Information: Change to Supporting Information

Test Of Immunity

Test Of Immunity is a CLINICAL INTERVENTION.

~~A Test Of Immunity performed as part of an Immunisation Programme for an IMMUNISATION DISEASE.~~ A Test Of Immunity performed as part of an Immunisation Programme for an VACCINE PREVENTABLE DISEASE.

VACCINATION SERVICE

Vaccination Service

An Item Of Service Delivery.

A vaccination or immunisation given to a PERSON in accordance with public policy by or on behalf of a GENERAL MEDICAL PRACTITIONER, for which a fee may be claimed.

~~The applicable payment rate for the Vaccination Service delivered is determined by the combination of IMMUNISATION DISEASE and IMMUNISATION COURSE TYPE.~~ The applicable payment rate for the Vaccination Service delivered is determined by the combination of VACCINE PREVENTABLE DISEASE and IMMUNISATION COURSE TYPE.

Note that Items of Service Delivery reimbursement cannot be claimed by those GENERAL MEDICAL PRACTITIONERS who hold a Personal Medical Services, as opposed to a General Medical Services, contract.

References:

Statement of Fees and Allowances Payable to General Medical Practitioners in England and Wales.

For enquiries about this DSCN: - Email: nhsdmds@cfh.nhs.uk Website: <http://www.nhsia.nhs.uk/datastandards/pages/>