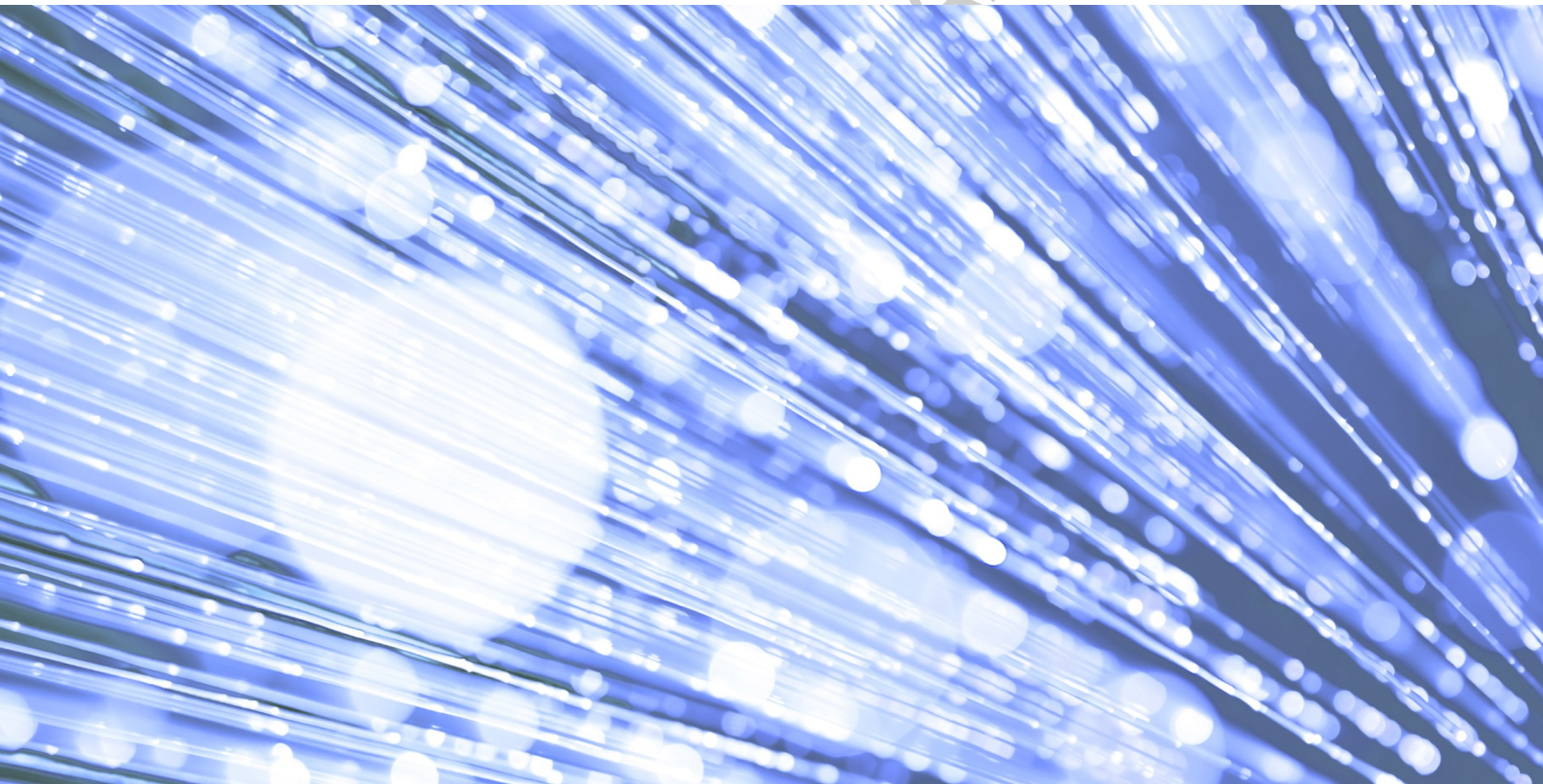


# DCB3009 Healthy Child Record Standard

## Requirements Specification

Published 13 December 2018

Amd 11/2020



**Information and technology**  
**for better health and care**

# Data Coordination Board

This information standard (DCB3009) has been approved for publication by the Department of Health and Social Care under [section 250 of the Health and Social Care Act 2012](#).

Assurance that this information standard meets the requirements of the Act and is appropriate for the use specified in the specification document has been provided by the Data Coordination Board (DCB), a sub-group of the Digital Delivery Board.

This information standard comprises the following documents:

- Specification
- Implementation Guidance
- Record Specification
- Event Specification.

An Information Standards Notice (DCB3009 Amd 32/2017) has been issued as a notification of use and implementation timescales. Please read this alongside the documents for the standard.

The controlled versions of these documents can be found on the [NHS Digital website](#). Any copies held outside of that area, in whatever format (e.g. paper, email attachment), are considered to have passed out of control and should be checked for currency and validity.

Date of publication: 13 December 2018

## Glossary of Terms

Term / Abbreviation	What it stands for
DCH	Digital Child Health
PRSB	<a href="#">Professional Record Standards Body</a>
ISN	Information Standards Notice
PDS	<a href="#">Personal Demographic Service</a>
CHO	Child Health Organisation, also referred to as a Child Health Records Department/Child Health Information Service
SNOMED CT	Structured clinical vocabulary for use in an electronic health record. It is the most comprehensive and precise clinical health terminology product in the world
PCHR	Personal Child Health Record (commonly known as the 'red book')
ePCHR	Electronic version of the Personal Child Health Record
HCP	Healthy Child Programme
PHE	Public Health England
RCPCH	Royal College for Paediatrics and Child Health
MRC	Medical Research Council
WHO	World Health Organization
NIPE	Newborn Infant Physical Examination
FHIR	Fast Healthcare Interoperability Resource. A method for exchanging healthcare information electronically
TRUD	Technology Reference Data Update Distribution

# Contents

---

<b>1. Introduction</b>	<b>5</b>
Phases	5
Purpose	5
Supporting Documents	6
Scope	6
Related Standards	7
<hr/>	
<b>2. Healthy Child Record Standard Requirements</b>	<b>8</b>
Requirements definition	8
Healthcare organisations	8
IT Systems	9

---

# 1. Introduction

This standard is to facilitate uniform data for children under the *Healthy Child Programme* (0-5 years and 5-19 years) and ensure that all clinical providers and systems involved in that programme use the same data. The purpose of this is to provide a foundation for the future sharing of that data between all child health providers so they have a complete view of the child's health under the Healthy Child Programme.

In November 2016 NHS England published *Healthy Children: Transforming Child Health Information* a new digital strategy, describing how making child health information more accessible can support parents and professionals in their care for children and young people and how that same information can be used to promote their health and wellbeing.

The central theme of the strategy is to improve interoperability and exchange of key pieces of health information to support two main objectives:

- 1) Knowing where every child is and how healthy they are, and
- 2) Appropriate access to information for all involved in the care of children.

The first step in the journey toward modern, responsive services is to ensure that key health information can be shared by **introducing standards**.

This Healthy Child Record standard, co-produced by the Professional Record Standards Body (PRSB) and NHS Digital in consultation with a wide variety of health and care professionals, is that first step.

## Phases

DCB3009 Phase 1 is to ensure that each provider and system involved in the Healthy Child Programme are using the same data in a standardised format.

DCB3009 Phase 2 is sharing the standardised data via national interoperability functionality currently under development by NHS Digital such as Events Management Service (EMS) and National Record Locator Service (NRLS).

## Purpose

The purpose of this document is to detail the requirements for providers and their system suppliers to implement the PRSB Healthy Child Record standard. This will prepare systems to be able to begin sharing information in the future via mechanisms currently under development by NHS Digital.

This document covers the requirements for DCB3009 Phase 1.

Further implementation guidance describing how the data will be exchanged will be available in a future Standard - DCB3009 Phase 2 – *Interoperability and Portability*

## Supporting Documents

Ref	Reference	Title	Purpose
1	Healthy Child Record Specification	<a href="#">Healthy Child Record Specification</a>	Provides the format of an electronic healthy child record supporting the Healthy Child Programme, including the sections (headings) and elements which provide the standardised structure for that record.
2	Healthy Child Event Specification	<a href="#">Healthy Child Event Specification</a>	Provides the information models setting out the detailed content, format, structure and rules needed for a system supplier to implement the standard.
3	Implementation Guidance	<a href="#">Implementation Guidance</a>	Provides the details suppliers and providers need to support in implementing the standard.
4	PRSB Website	<a href="#">Healthy Child Record Standard</a>	A link to further information, including a user focused guide, the PRSB report on the consultation and the subsequent survey findings

## Scope

This standard presents the obligations to providers and their suppliers to comply with these requirements.

This standard is a pre-requisite to participating in portability of patient data outlined in the [Healthy Children: Transforming Child Health Information](#). An amendment will be issued to define the national interoperability requirements on providers and their suppliers when these services are available. This is *DCB3009 – Phase 2 – Portability and Interoperability*.

On receipt of confirmation of compliance with *DCB3009 - Phase 1 – Healthy Child Record Standard*, NHS Digital will release *DCB3009 – Phase 2 – Portability and Interoperability* to define the national interoperability standards and requirements on providers and their suppliers.

DCB3009 Phases 1 and 2 apply to the following contract holders with the Data Processors (Suppliers):

- All Principal Clinical Suppliers (GP / Primary Care Services)
- All Child Health Information system suppliers
- All Health Visitor and School Nursing system suppliers
- All Screening Service Suppliers (supporting Public Health England's national screening programme for children)
- Any system supplier providing solutions for NHS England commissioned immunisation services

- ePCHR (digital Personal Child Health Record) suppliers.

DCB3009 Phases 1 and 2 also apply to the following Data Controllers (Providers):

- All Primary Care Services
- All Child Health Record Departments
- All School Nursing services
- All Health Visiting services
- All Screening Laboratories
- All organisations providing NHS England commissioned immunisation services for children.

Note: a child is defined as between 0 days and 19 years and 364 days.

## Related Standards

Consultation with the owners of the two data sets which already collect data on newborn babies and children:

- Maternity Services Data Set (MSDS) (DCB 1513 V2.0)
- Community Services Data Set (CSDS) published (SCCI1069)

The data definitions match where they coincide. The element definitions in the data sets have been used to ensure no extra burden is put on providers to have to record the same data in different ways.

The data set owners have all confirmed that the proposed definition and question set are compatible with existing data sets, and that a phased approach will be taken to any necessary changes to the Healthy Child Record standard, e.g. made as part of broader system updates.

## 2. Healthy Child Record Standard Requirements

### Requirements definition

This document defines the specification that suppliers of ICT systems, termed the SYSTEM, used by health providers, termed the PROVIDER, need to implement to meet the requirements of DCB3009 Healthy Child Record Standard Information Standard Notice (STANDARD).

The requirements within this specification are assigned levels using the IETF RFC2219 convention, namely:

**MUST** - This word, or the term "SHALL", mean that the definition is an absolute requirement of the specification.

**MUST NOT** - This phrase, or the phrase "SHALL NOT", mean that the definition is an absolute prohibition of the specification.

**SHOULD** - This word, or the adjective "RECOMMENDED", mean that there may exist valid reasons in particular circumstances to ignore a particular item, but the full implications must be understood and carefully weighed before choosing a different course.

**SHOULD NOT** - This phrase, or the phrase "NOT RECOMMENDED" mean that there may exist valid reasons in particular circumstances when the particular behaviour is acceptable or even useful, but the full implications should be understood, and the case carefully weighed before implementing any behaviour described with this label.

**MAY** - This word, or the adjective "OPTIONAL", mean that an item is truly optional. One vendor may choose to include the item because a particular marketplace requires it or because the vendor feels that it enhances the product while another vendor may omit the same item. An implementation which does not include a particular option **MUST** be prepared to interoperate with another implementation which does include the option, though perhaps with reduced functionality. In the same vein an implementation which does include a particular option **MUST** be prepared to interoperate with another implementation which does not include the option (except, of course, for the feature the option provides.)

### Healthcare organisations

#### Requirements

Reference	Requirement
1	Healthcare organisations <b>SHOULD</b> read the Requirements Specification (this document) in conjunction with the Implementation Guidance, Healthy Child Record Specification and Healthy Child Event Specification.
2	Healthcare organisations <b>MUST</b> review their system compatibility against this standard to identify any changes required to current practice and systems to ensure compliance with the standard.
3	Healthcare organisations <b>MUST</b> ensure that their current system is updated to be conformant with the standard.

4	Healthcare organisations <b>MUST</b> ensure there is appropriate clinical sign off to meet clinical safety requirements.
5	Healthcare organisations <b>SHOULD</b> provide adequate training for all staff involved in collection and recording of this data.
6	Where changes are made to how a user interacts with the system, an owner <b>MUST</b> produce appropriate guidance to be made available to the healthcare organisation.

## Conformance Criteria

1	Healthcare organisations <b>MUST</b> self-assure and confirm PRSB Healthy Child Record Standard compliance to NHS Digital by 01/12/2019 using the template letter provided in phase 1.
2	Healthcare organisations when procuring new systems or modifying agreements with existing system suppliers <b>SHOULD</b> ensure that supplier organisations are compliant with the clinical safety standards DCB0129 Clinical Risk Management: its Application in the Manufacture of Health IT Systems and DCB0160 Clinical Risk Management: its Application in the Deployment and Use of Health IT Systems.
3	Healthcare organisations <b>SHOULD</b> ensure that the Requirements Specification and other supporting documents have been reviewed within one month of the publication date of this Information Standard, in order to establish which services are covered by the scope, how the elements within the Healthy Child Event Specification are defined, and what elements should be included in a Healthy Child Record Specification

## IT Systems Requirements

Reference	Requirement
1	A system <b>MUST</b> adopt the Healthy Child Record Specification as per the endorsed PRSB standard; <a href="https://theprsb.org/standards/healthychildrecord/">https://theprsb.org/standards/healthychildrecord/</a>
2	The record within the supplier system <b>MUST</b> conform to the structure as per the Healthy Child Record standard i.e. each element <b>MUST</b> be under the correct section (heading). For example, under the Vaccination section (heading) the system supplier must have Vaccination Given, Dose Sequence etc. This does not preclude any other simpler views of the data within the clinical system.
3	For each section (heading) that a system implements as per requirement 6, a system <b>MUST</b> be able to support all elements detailed within the Healthy Child Record Specification.

4	A system <b>MUST</b> structure the elements within the record as per the Healthy Child Event Specification. This does not preclude any other simpler or aggregated views of the data within the clinical system.
5	A system <b>MUST</b> allow a user to record any information in the correct format and under the correct section (heading).
6	A system <b>MUST</b> review the <a href="#">provider guidance</a> annex in the implementation guidance and <b>MUST</b> implement the sections (headings) deemed applicable to the service offered.
7	All elements <b>MUST</b> exist under the correct section (heading) in a system. This does not preclude any other simpler or aggregated views of the data within the clinical system.
8	A system <b>MUST</b> allow a user to perform a word search on the record, including within the Audit Trail, allowing a user to find data within the section (heading), or search for a specific section (heading).
9	A system <b>MUST</b> offer configurable viewing of the record as per their own internal workflow requirements.
10	A system <b>MUST</b> conform to the 6 monthly updates to SNOMED CT via Technology Reference Data Update Distribution (TRUD).
11	A system <b>MUST</b> ensure that ALL data recorded on children <b>MUST</b> be updated to the new standard.
12	A system <b>MUST</b> ensure that for each record entry within a section (heading) the performing professional, date and location details are recorded and stored.  For example, within the Vaccinations section (heading) the performing professional, date and location <b>MUST</b> be displayed. However, in the Feeding Status section (heading) the performing professional, date and location of the recording <b>MAY</b> be displayed.
13	The timestamps within the record <b>SHOULD</b> be recorded in local time.
14	A system <b>MUST</b> track the release cycle of the standard and <b>MUST</b> implement the current release of the Healthy Child Record and Event Specification.

## Conformance criteria

This section describes the tests that can be measured to indicate that the information standard is being used correctly by an IT system.

Reference	Criteria
1	A system will support the recording of all mandatory, required and optional elements.
2	A system will ensure elements in the Healthy Child Record Specification are structured as per Healthy Child Event Specification and in the format specified.
3	The requirements above <b>MUST</b> be met. The DCB standard provides all the documentation to support this process, including:

	<ul style="list-style-type: none"><li>• Implementation Guidance</li><li>• Healthy Child Event and Record Specifications.</li></ul>
--	--

SUPERSEDED - see Amd 11/2020