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Emergency Care Data Set: CDS Version 6.2.3 Type 011 (Version 3)

Change Specification

Data Coordination Board

This information standard (DCB0092-2062) 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:

- Change Specification
- Implementation Guidance
- Requirements Specification
- Technical Output Specification.

An Information Standards Notice (DCB0092-2062 Amd 19/2020) 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.

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Glossary of Terms

[See Requirements Specification](#)

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1 Overview

1.1 Summary

| Standard | |
|----------------------|---|
| Standard Number | DCB0092-2062 |
| Standard Title | Emergency Care Data Set: CDS Version 6.2.3 |
| Standard Description | <p>Commissioning Data Sets are the primary mechanism for the national reporting of secondary care activity which is either NHS funded, and/or provided by NHS Organisations.</p> <p>The Department of Health and Social Care requires accurate data for the following types of patient activity:</p> <ul style="list-style-type: none"> • Emergency Care Department attendances and outcomes • Outpatient Appointments (including 'Did Not Attends') • Admitted Patient Care (Hospital Admissions) • Elective Admission Lists. <p>The Commissioning Data Sets are patient-level data sets intended to deliver robust, comprehensive, nationally consistent and comparable person-based information on secondary care activity.</p> <p>These activities include:</p> <ul style="list-style-type: none"> • monitoring and management of NHS service agreements • development of commissioning plans • supporting the Payment by Results (PbR) processes • supporting NHS Comparators • monitoring Health Improvement Programmes • underpinning clinical governance • understanding the health needs of the population. <p>Commissioning Data Sets are securely submitted to the Secondary Uses Service (SUS+) in XML format and form the basis of the Hospital Episode Statistics (HES) data set.</p> <p>The Emergency Care Data Set v6.2.3 Type 011 ECDS is closely aligned with the care and management of the patient, and the information collected relates to the existing range of secondary uses.</p> |
| Release | |
| Release Number | Amd 19/2020 |
| Release Title | Version 3 |
| Release Description | <p>This change is in response to requirements outlined in the 2018 Clinically led Review of NHS Access Standards: Interim Report and to which the ECDS specification is accordingly amended to:</p> <ol style="list-style-type: none"> 1. Enable the collection of the date and time when a patient is clinically ready to proceed from an Emergency Department to another care setting, or to be discharged. 2. Remove the EMERGENCY CARE ATTENDANCE CONCLUSION DATE and EMERGENCY CARE ATTENDANCE CONCLUSION TIME data fields. |

3. Enable the collection of NEWS2 and Clinical Frailty Scale coded assessments, and for NEWS2, the associated coded clinical observations and findings, and a timestamp for when each clinician assumes responsibility for the patient.
4. Enable the calculation of Urgent Treatment Centre performance metrics relating to a patient's scheduled arrival time for an appointment made through NHS 111.
5. Add a pilot field, (Assault Location Description), to enable ECDS to potentially replace the ISTV (Information Sharing to Tackle Violence, ISB1594) standard at a future date. This field MUST NOT be submitted by Providers, except those engaged in the pilot relating to this field.
6. The removal of one field and the addition of two fields to the AMBULANCE DETAILS data group to enable proposed linkage with the Ambulance Data Set.
7. The removal of one field and the addition of two fields to the RESEARCH AND DISEASE OUTBREAK NOTIFICATION data group to enable differentiation between disease outbreaks that can be coded using SNOMED CT and those that cannot and must be submitted using freetext.
8. Changes to the CDS Transaction Headers for BULK and NET submission, to align ECDS with future planned changes that are part of CDS 6.3.
9. To replace schema enumeration of various Data Dictionary values with data quality checks.
10. To include the field "Ethnic Category 2021" as a pilot data item.
11. Some corrections to definitions in the TOS and some changes to align with updated definitions that have resulted from a review caused by the replacement of the term 'Accident and Emergency' with 'Emergency Care'.

Please see the Technical Output Specification ([TOS](#)) [Change Log](#) for a detailed list of changes.

For this release, the standard is named Emergency Care Data Set Version 3.

Providers must continue to submit all other CDS Types within the current CDS v6.2, using the existing mechanisms to do so. The full submission timetable is available within Payment by Results guidance¹.

When submitting CDS v6.2.3 Type 011 – ECDS daily, this should be automated from the Emergency Department Information System. The mechanism to flow the data for CDS v6.2.3 Type 011 – ECDS is via the Message Exchange for Social Care and Health (MESH).

CDS v6.2.3 Type 011 – ECDS data set includes code sets represented as NHS Data Dictionary-defined National Codes or SNOMED CT concepts. SNOMED CT concepts are no longer included in the TOS, which instead includes references to the appropriate concepts held on Technology Reference data Update

¹ <https://digital.nhs.uk/services/secondary-uses-service-sus/payment-by-results-guidance>

| | |
|--------------------------------|--|
| | <p>Distribution (TRUD). A full list of SNOMED CT concepts is included in the separately published Enhanced Technical Output Specification (ETOS)².</p> <p>This standard supports the following areas:</p> <ol style="list-style-type: none"> 1. National Tariff 2. Accident and Emergency Clinical Quality Indicators (CQIs) 3. Mental Health 4. Improving Quality and Value of Hospital Data 5. Injury Surveillance 6. Local analysis by providers and commissioners. |
| In Scope | <p>The standard defines a TOS which describes the data submission required for CDS v6.2.3 Type 011 ECDS, to be sourced from clinical systems. All services funded, and/or provided, by the NHS providing Emergency Care Departments Type 01, 02, and 03 are in scope.</p> <p>This includes all secondary care activity undertaken by NHS Hospital Providers, including patients receiving private treatment, and NHS patients treated electively in the independent sector (including 'Any Qualified Provider') and 'Overseas' to support a variety of secondary use purposes (i.e. not for the direct care of the patient).</p> |
| Implementation Completion Date | <p>All providers of Type 01, 02 and 03 Emergency Care Departments MUST submit ECDS v6.2.3 Type 011 to SUS+ on a daily basis using MESH. Changes contained within this release MUST be implemented, such as to allow collection and extraction in the required manner, from 1 April 2021.</p> <p>Providers MAY wish to implement the changes from 1 November 2020.</p> |

1.2 Supporting Products

Documents issued by DCB are listed below. Additional support is available from NHS Digital^{Error! Bookmark not defined.}.

| Reference | Title |
|--------------|---|
| DCB0092-2062 | Emergency Care Data Set: CDS v6.2.3 Type 011 - Requirements Specification |
| DCB0092-2062 | Emergency Care Data Set: CDS v6.2.3 Type 011 - Implementation Guide |
| DCB0092-2062 | Emergency Care Data Set: CDS v6.2.3 Type 011 - Technical Output Specification |

1.3 Related Standards

| Ref # | Reference | Title |
|-------|--------------------------|--------------|
| 1 | ISB 0092 | CDS Type 6.2 |

² <https://digital.nhs.uk/data-and-information/data-collections-and-data-sets/data-sets/emergency-care-data-set-ecds>

| | | |
|---|-----------------------------|---|
| 2 | SCCI0034 | SNOMED CT |
| 3 | DCB1605 | Accessible Information |
| 4 | ISB 0149 | NHS Number |
| 5 | ISB 0149-02 | NHS Number for Secondary Care |
| 6 | ISB 1594 | Information Sharing to Tackle Violence (ISTV) |
| 7 | ISB 1606 | Trauma Audit and Research Network (TARN) |

2 Change Specification

Full details of all the data items are available within the TOS for CDS v6.2.3 Type 011 – ECDS³.

The TOS includes the following details:

- Data Group
- Data Item Name
- Data Item Status (mandatory / required / optional)
- Data Item Definition / Description
- Data Item Format
- Justification for Inclusion
- Code Set Format e.g. SNOMED CT/ Data Dictionary or ODS
- Whether the data item has a corresponding code set
- Link to TRUD (for SNOMED CT terminology products), where relevant
- Links to previous CDS Type 010 data item (for information only)
- Relevant notes

Note: No SNOMED CT codes, or validation rules are included in the TOS issued by DCB. SNOMED CT codes are however presented in the Enhanced TOS (E TOS) published by NHS Digital⁴.

2.1 Change Justification

A new set of data fields have been developed which aim to improve patient outcomes across Urgent and Emergency Care. These have been developed in consultation with the Royal College of Emergency Medicine, the Same Day Emergency Care Programme, National Urgent Treatment Centre Programme and Clinical Review of Standards (CRS) Programme which are run by NHS England and NHS Improvement.

³ <https://digital.nhs.uk/isce/publication/dcb0092-2062>

2.2 Data Items

a) Addition of a new data item CLINICALLY READY TO PROCEED TIMESTAMP:

The Clinical Review of Standards calls for the collection of a date and timestamp representing the date and time when a patient is clinically ready to proceed to another care setting or be discharged.

An Emergency Care Clinically Ready To Proceed Timestamp is the first date and time that the CARE PROFESSIONAL, authorised to discharge the PATIENT from the Emergency Care Department, makes a clinical decision that the PATIENT no longer requires ongoing care in the Emergency Care Department.

The PATIENT will have one of the following outcomes:

- admitted to a WARD
- transferred to a designated Department / clinical service area outside the Emergency Care Department but within the same Health Care Provider
- transferred to another Health Care Provider for continuation of care
- discharged from the Emergency Care Department.

b) Removal of EMERGENCY CARE ATTENDANCE CONCLUSION DATE and EMERGENCY CARE ATTENDANCE CONCLUSION TIME:

The changes above, for 'Clinically Ready to Proceed', remove the need to submit this data.

c) Addition of a new data group CODED SCORED ASSESSMENT:

The Clinical Review of Standards calls for the collection of values from the NEWS2 and Clinical Frailty Scale coded scored assessments. The concept of 'frailty' is helpful in identifying patients in need of extra assistance, e.g. rehabilitation and has been validated and widely adopted within the NHS and internationally. The (Rockwood) Clinical Frailty Scale assessment can be rapidly undertaken (taking no more than one minute) and is already being integrated into Ambulance data collection generally. This data structure will be able to hold values from any coded scored assessment to cover future needs.

d) Addition of a new data group CODED CLINICAL OBSERVATIONS and a new data group CODED CLINICAL FINDINGS:

NEWS2 is a tool developed by the Royal College of Physicians to improve the detection of and response to clinical deterioration in adult patients and is a key element of patient safety and improving patient safety. The capture of NEWS2 requires coded clinical observations and findings for detailed research analysis to take place.

e) Addition of a new data item CARE PROFESSIONAL CLINICAL RESPONSIBILITY TIMESTAMP:

To capture a date and timestamp for the first time that a registered care professional took **direct** clinical responsibility for a patient's assessment and/or investigations and/or treatment. This is related to NEWS2, because a suitably qualified clinician must review any NEWS2 scores that are high, within certain timeframes.

f) Addition of a new data group EXPECTED TIME OF TREATMENT:

This addition to ECDS will capture the timestamp of a scheduled arrival slot that has been given to a patient in advance of an attendance at an Emergency Care Department, and the Expected Time of Treatment given to walk-in patients. Scheduled arrival slots can currently be given to patients who have contacted 111 and who are being referred to an Urgent Treatment Centre (UTC).

g) Addition of a new data item ASSAULT LOCATION DESCRIPTION:

This is a pilot field, to enable ECDS to potentially replace the ISTV (Information Sharing to Tackle Violence), (ISB1594) standard at a future date. Information Sharing to Tackle Violence (ISTV) is a nationally mandated system of sharing anonymised data about injuries due to violence, which predates ECDS. ECDS has already integrated most ISTV data items but had not previously been able to integrate a free text field critical to ISTV – the (geographical) place of injury – ‘Assault Location Description’. This change enables this free text data item to be flowed as part of ECDS and allows ISTV to be fully integrated into ECDS. The field will be ‘pilot’ only and **MUST NOT** be sent unless a Provider is part of the pilot. A separate project will run and operate the pilot and only pilot sites will need to submit this field.

h) Data Dictionary field enumeration from the XML schema has been removed for some fields.

i) One field has been removed and two fields added to the AMBULANCE DETAILS data group. AMBULANCE INCIDENT NUMBER has been removed, replaced by AMBULANCE CALL IDENTIFIER. CARE CONTACT IDENTIFIER (AMBULANCE SERVICE) has been added to improve data linkage rates when the Ambulance Data Set is operational, specifically for instances where there are multiple patients involved in an ambulance call or incident.

j) One field has been removed and two fields added to the RESEARCH AND DISEASE OUTBREAK NOTIFICATION data group. DISEASE OUTBREAK NOTIFICATION has been removed, replaced by two fields: DISEASE OUTBREAK NOTIFICATION DESCRIPTION and DISEASE OUTBREAK NOTIFICATION (SNOMED CT). Only one of the two new fields should ever be submitted in an ECDS record, never both.

The data item and data group changes made within this release and outlined above are described in more detail in the TOS.

Additionally, the [E TOS](#) (the Enhanced TOS), which includes SNOMED CT codes and other value-added information, is available from NHS Digital.

3 Implementation Plan

The table below outlines both when Emergency Care Departments may start to flow and must start to flow their data to NHS Digital.

| ECDS Version | Emergency Care Department Type | Start | Completion |
|--------------|---|--|---|
| 1.0 | Type 1: General Emergency Department (24 hour) | 1 st Aug 2017 | 1 st Oct 2017 |
| 1.0 | Type 2: Specialist Emergency Department | 1 st Aug 2017 | 1 st Oct 2017 |
| 1.0 | Type 3: Minor Injury Unit (including Urgent Treatment Centres) | 1 st Aug 2017 | 1 st Oct 2018 |
| 1.0 | Type 4: Walk in Centre | 1 st Aug 2017 | 1 st Oct 2018 |
| 1.0 | Retiring of CDS Type 010 A&E | n/a | 1 st April 2019 |
| 2.0 | Types 1, 2, 3 and 4: -submitting on a daily basis, and -using CDS Type 011, and -using schema version v6.2.2, and -compliant with data quality requirements Note: Urgent treatment centres (UTCs) are community and primary care facilities providing access to urgent care for a local population. All UTCs are classed as Type 3 Emergency Care Departments. | November 2018 | 31 st March 2019 |
| 3.0 | Types 1, 2 and 3 using schema version v6.2.3 | Any time from 1 st Nov 2020 (see section 2.1) | Must complete on or before 1 st April 2021 |

4 Further Information and Support

Further information is available from:

- **Data Coordination Board (DCB):** For information relating to the CDS v6.2.3 Type 011 – ECDS standard, including change specification, requirements specification and implementation guide. <https://digital.nhs.uk/isce/publication/dcb0092-2062>
- **NHS Data Model and Dictionary Service:** For information relating to the NHS Data Dictionary, including CDS 6.3 data elements, attributes, business definitions, supporting information and CDS 6.3 XML schemas. <http://www.datadictionary.nhs.uk/>
- **NHS Digital:** For enquiries relating to the CDS v6.2.3 Type 011 - ECDS implementation and support enquiries. dataset.development@nhs.net
- **Secondary Uses Services:** The Secondary Uses Service is the single, comprehensive repository for healthcare data in England which enables a range of reporting and analyses to support the NHS in the delivery of healthcare services. <https://digital.nhs.uk/services/secondary-uses-service-sus>
- **Message Exchange for Social Care and Health:** The Message Exchange for Social Care and Health (MESH) is the main messaging service used across health and social care. <https://digital.nhs.uk/message-exchange-social-care-health>
- **Hospital Episode Statistics:** HES is a data warehouse containing details of all admissions, outpatient appointments and Emergency Care Departments attendances at NHS hospitals in England. <https://digital.nhs.uk/hes>
- **Organisation Data Service (ODS):** The Organisation Data Service (ODS) is responsible for publishing organisation and practitioner codes, along with related national policies and standards. <https://digital.nhs.uk/organisation-data-service>
- **National Casemix Service:** The National Casemix Office designs and refines classifications that are used by the NHS in England to describe healthcare activity. <http://digital.nhs.uk/casemix>
- **NHS England / NHS Improvement:** Further information relating to ECDS and NHS England / NHS Improvement. www.england.nhs.uk/ourwork/tsd/ec-data-set/