



Professional  
Record  
Standards  
Body

## Release Notes

### Diabetes Record Information Standard

#### V1.0

**Publication Date: January 2023**

**Previous Release: V0.5 July 2022**

The following changes have been made to the standard as part of publication following endorsement by the relevant professional bodies and key stakeholders, and a discovery phase of work exploring requirements for implementation and support for point-of-care devices and including a preliminary mapping of the information model to FHIR UK Core.

The changes are to:

- the name, which was changed from 'Diabetes Information Record Standard' to 'Diabetes Record Information Standard' for the [ISN](#) application.
- the information model, which included a limited remodelling of some sections and involving changes to elements such as renaming, addition or removal or changes to cardinality or conformance. See details below.
- the implementation guidance. The term "glucometer" has been replaced with blood glucose meter throughout. See details below.
- the final report (now V1.1), which was updated with the revised standard names for the ISN.
- the survey report (now V1.1), which was updated with the revised standard names for the ISN.
- the Safety case report (now V1.1), which was updated with the revised standard names for the ISN and references to a generic hazard list were removed.
- the business rules (V1.0), which is a new document listing the business rules for suppliers.
- the Terminology framework (V1.0), which is a new document that lists the newly authored SNOMED CT concepts published by NHS Digital for the standard. It also contains 10 new continuous glucose monitoring concepts requested by NHS England now supported in V1.0 of the standard.
- the Profiles (V1.0), which is a new document containing draft views of the Diabetes Record Information Standard including where the subject of record is an adult, a child, a resident in a care home. It also contains draft views of the Diabetes Self-Management Information Standard for diabetes devices including continuous glucose monitors (CGMs), blood glucose meters, connected insulin pens, insulin pumps, and hybrid closed loop systems.
- all documents where minor typographical/ formatting errors, ambiguous acronyms and dead links were identified, these were corrected.

#### Information model changes

See details in table below. Where minor typographical/ formatting/ expression constraint language notation errors and dead links have been identified and corrected, these are not listed here.

Section/ Element(s)	Update	Detail
Individual requirements/ Cognition	Element removed.	Removed Cognition element (this is covered by Impairment).
Legal information/ Consent for information sharing	Section added.	Following stakeholder feedback (Diabetic Eye Screening Programme) this section has been added including the element Diabetic eye screening information sharing consent status.
Safeguarding/ Safeguarding concerns	Elements added.	Added safeguarding concerns [start] date and end date.
Professional contacts/ Professional contacts record entry/ Name	Conformance changed from mandatory to required.	Conformance is now "R" and cardinality is now "0..1".
Professional contacts/ Professional contacts record entry/ Key worker	<i>Erratum.</i>	Error in description: Replaced 'personal' with 'professional'.
Personal contacts/ Personal contacts record entry/ Relationship type	Element removed.	Removed Relationship type element (this is covered by Relationship).
Referral details/ Referral details record entry/ Reason for referral	<i>Erratum.</i>	Reference to free text removed.
Discharge details/ Discharge details record entry/ Discharging specialty/ Coded value	<i>Erratum.</i>	Description error: Replaced 'discharge' with 'discharging'.
Discharge details/ Discharge details record entry/ Discharge destination	<i>Erratum.</i>	Missing description. Added 'Discharge destination detail'.
Investigation results/ Investigation results record entry/ Structured investigation result	New elements added.	The discovery work on support for point-of-care devices identified the need for the following new elements: <ul style="list-style-type: none"> <li>• Interpretation</li> <li>• Coded value</li> <li>• Comment</li> </ul>
Investigation results/ Investigation results record entry	Element renamed.	Investigation result renamed to Unstructured investigation result.
Examination findings/ Examination findings record entry	New element added.	Following stakeholder feedback, the Diabetic foot risk element was added.

Summary observations/ Glucose metrics record entry/ Monitoring detail/ Mean daily monitoring frequency	Cardinality reduced from "0...many" to "0 to 1".	Cardinality is now "0...1" and conformance is now "R".
Summary observations/ Glucose metrics record entry/ Monitoring detail/ Percent sensor data available	Conformance changed from mandatory to required.	Cardinality is now "0...1" and conformance is now "R".
Summary observations/ Glucose metrics record entry/ Number of sensor failures	Element renamed.	Element renamed to Percent number of sensor failures. Description updated to read: "The number of continuous glucose monitoring sensor failures reported by the person, expressed as a percentage of sensors applied during the reporting period."
Summary observations/ Glucose metrics record entry/ Monitoring data/ Times or values in range	Section remodelling.	Reference ranges element renamed to Reference range, cardinality reduced from "0...many" to "0 to 1", conformance changed from required to mandatory, and element moved to and repeated under the elements for each level of times or values within range.
Allergies and adverse reactions/ Allergies and adverse reactions record entry/ Location	Element removed.	This element is an information type and is found in the Provenance Information Standard required for implementation of the Diabetes Record Information Standard.
Medications and medical devices/ Medication administration record entry	New element added.	Site element added following stakeholder feedback.
Medications and medical devices/ Medication administration record entry	Section remodelling.	Infusion dose administered cluster removed and components merged and rationalised under Dose administered cluster to remove duplicate components. Coded value for dose/ infusion dose administered merged into Dose context element.
Medications and medical devices/ Medication administration record entry/ Insulin calculations cluster/ Insulin sensitivity factor/ Coded value	<i>Erratum.</i>	Replaced text in operationalisation with 'SNOMED CT.'
Medications and medical devices/ Medication item entry/ Medication trade family/ Coded value	<i>Erratum.</i>	Refset 999000641000001107   National Health Service dictionary of medicines and devices trade family group simple reference set (foundation metadata concept) replaced with 999000631000001100   National Health Service dictionary of medicines and devices trade family simple reference set (foundation metadata concept).

Medications and medical devices/ Usual insulin dosing cluster/ Usual insulin record entry	Merged element.	Device type element added and Coded value for usual insulin dose merged into Dose context element.
Medications and medical devices/ Summary medication metrics/ Insulin metrics record entry/ Modal insulin record entry	Merged element.	Device type element added and Coded value for modal insulin dose merged into Dose context element.
Documents (including correspondence, audio and images)/ Documents/ Additional information required for images/ Images	Element updated.	Element description added: "Image details".

## Implementation Guidance changes

See details in table below. Where minor typographical/ formatting errors, guidance on terminology notation and updates following newly authored and published SNOMED CT concepts, ambiguous acronyms and dead links have been identified and corrected or clarified, these are not listed here. Newly authored and published SNOMED CT concepts are listed under the terminology framework [here](#). Exact wording changes made to the Diabetes Record Information Standard implementation guidance for this version are held by the PRSB as track change enabled documents. Contact [info@theprsb.org](mailto:info@theprsb.org) for section specific enquiries.

Section/Elements	Update	Detail
Person demographics/ Date of birth	Implementation guidance	Following project team feedback, guidance added about display of age in systems.
Legal information/ Consent for information sharing/ Diabetic eye screening information sharing consent status	Implementation guidance	Guidance added defining value set for new element.
Safeguarding/ Safeguarding concerns	Implementation guidance	Replaced reference to 'SCCI1609' with 'DCB1609'.
Professional contacts	Implementation guidance	Updated to clarify that the professional contact could be a team.
Personal contacts/ Personal contacts record entry/ Relationship/ Coded value	Implementation guidance	Updated to align with equivalent element in Provenance Information Standard.
Referral details/ Referral details record entry/ Referral status/ Coded value	Implementation guidance	Updated to include new NHS England concepts on continuous glucose monitoring (see terminology framework) and higher-level concept clarified.
Vaccinations/ Vaccinations record entry/ Outcome status / Vaccination situation (not given reason)	Implementation guidance	Updated to clarify SNOMED CT value set.

Problem list	Implementation guidance	Updated to clarify requirements around display of diabetic emergencies in systems.
Problem list/ Problem list record entry/ Problem/ Coded value	Implementation guidance	Placeholders for disputed and refuted diagnoses withdrawn as referenced guidance still pending.
Problem list/ Problem list record entry/ Laterality/ Coded value	Implementation guidance	Value set clarified to align to other Laterality elements.
Procedures and therapies/ Procedure record entry/ Procedure/ Coded value	Implementation guidance	Value set guidance updated to include new NHS England concepts on continuous glucose monitoring (see terminology framework)
Social context/ Alcohol intake/ Coded value	Implementation guidance	Value set updated and alternative for inactive concept clarified.
Investigation results/ Investigation results record entry/ Unstructured investigation result/ Coded value	Implementation guidance	Guidance added for renamed element including value set.
Investigation results/ Investigation results record entry/ Structured investigation result	Implementation guidance	Value set guidance updated to clarify concept used for IFCC (see <a href="https://www.ifcc.org/">https://www.ifcc.org/</a> ) standardised results reporting substance concentration ratio of haemoglobin A1c to haemoglobin A1 in blood.
Investigation results/ Investigation results record entry/ Structured investigation result/ Interpretation	Implementation guidance	Guidance added for new element.
Examination findings	Implementation guidance	Updated to clarify requirements around recording of details of diabetic foot checks in systems.
Examination findings/ Examination findings record entry/ Examination findings/ Coded value	Implementation guidance	Updated guidance around recording of details of diabetic foot checks.
Examination findings/ Examination findings record entry/ Diabetic foot risk	Implementation guidance	Guidance added for new element including value set.
Observations	Implementation guidance	Updated to reference Medicine and Healthcare products Regulatory Agency (MHRA) definition of point-of-care tests. Clarifications around recommended recording and display of glucose and other self-management observations from devices or manually entered.
Observations/ Observations record entry	Implementation guidance	Updated to reference Medicine and Healthcare products Regulatory Agency (MHRA) definition of point-of-care tests.

Observations/ Observations record entry/ Device type/ Coded value	Implementation guidance	Updated to align to existing SNOMED CT and dm+d codes for glucose monitoring devices.
Summary observations/ Glucose metrics record entry/ Monitoring type/ Device type/ Coded value	Implementation guidance	Updated to align to existing SNOMED CT and dm+d codes for glucose monitoring devices.
Summary observations/ Glucose metrics record entry/ Monitoring detail/ Percent number of sensor failures.	Implementation guidance	Guidance and code request updated to clarify that this is the “Number of continuous glucose monitoring device sensor failures reported by subject of record expressed as a percentage of sensors applied.”
Summary observations/ Glucose metrics record entry/ Monitoring detail/ Percent sensor data available	Implementation guidance	Updated to reflect change in conformance (see information model changes).
Summary observations/ Glucose metrics record entry/ Monitoring data	Implementation guidance	Value sets for reference ranges of times or values in ranges elements updated to: <ul style="list-style-type: none"> <li>• 371933006  Upper limit of reference range (qualifier value) </li> <li>• 385524004  Lower limit of reference range (qualifier value) </li> </ul>
Observations/ Sensor failures record entry	Implementation guidance	Updated with latest new SNOMED CT concept request.
Assessments	Implementation guidance	Value sets updated with concepts to support assessments relevant for care homes.
Medications and medical devices/ Medication administration record entry/ Medication name	Implementation guidance	Following stakeholder feedback, insulin recording guidance updated with exemplars of dm+d use for insulin including presentation type and size e.g. cartridge 3ml. Statement added: “For general medicines administration purposes it is expected that variously virtual therapeutic moiety (VTM), virtual medicinal product (VMP) and actual medicinal product (AMP) concepts from the NHS dictionary of medicines and devices (dm+d) standard will be used.” Removed statement: “Use SNOMED CT only”. Contact for further information updated to <a href="mailto:nhsbsa.dmdenquiries@nhs.net">nhsbsa.dmdenquiries@nhs.net</a>
Medications and medical devices/ Usual insulin dosing cluster/ Usual insulin record entry/ Insulin name	Implementation guidance	Following stakeholder feedback, insulin recording guidance updated with exemplars of dm+d use for insulin including presentation type and size e.g. cartridge 3ml. Removed

		statement: "Use SNOMED CT only". Contact for further information updated to <a href="mailto:nhsbsa.dmdenquiries@nhs.net">nhsbsa.dmdenquiries@nhs.net</a>
Medications and medical devices/ Summary medication metrics/ Insulin metrics record entry/ Modal insulin record entry/ Insulin name	Implementation guidance	Following stakeholder feedback, insulin recording guidance updated with exemplars of dm+d use for insulin including presentation type and size e.g. cartridge 3ml. Removed statement: "Use SNOMED CT only". Contact for further information updated to <a href="mailto:nhsbsa.dmdenquiries@nhs.net">nhsbsa.dmdenquiries@nhs.net</a>
Medications and medical devices/ Medication administration record entry/ Site	Implementation guidance	Guidance added defining value set for new element.
Medications and medical devices/ Medication administration record entry/ Dose context	Implementation guidance	Guidance added defining value set for Dose context element derived from merged deprecated coded value guidance for Dose administered and Infusion dose administered.
Medications and medical devices/ Usual insulin dosing cluster/ Usual insulin record entry/ Dose context	Implementation guidance	Guidance added defining value set for Dose context element derived from merged deprecated coded value guidance for Dose administered and Infusion dose administered.
Medications and medical devices/ Summary medication metrics/ Insulin metrics record entry/ Modal insulin record entry/ Dose context	Implementation guidance	Guidance added defining value set for Dose context element derived from merged deprecated coded value guidance for Dose administered and Infusion dose administered.
Medications and medical devices/ Summary medication metrics/ Insulin metrics record entry/ Device data record entry/ Device cannula change.	Implementation guidance	Updated with latest new SNOMED CT concept requests. Removed withdrawn request: "Change of infusion pod (procedure)".
Medications and medical devices/ Summary medication metrics/ Insulin metrics record entry/ Device summary metrics/ Percent device data available/ Coded value	Implementation guidance	Updated with latest new SNOMED CT concept request.
Medications and medical devices/ Summary medication metrics/ Insulin metrics record entry/ Device summary metrics/ Mean time between cannula changes	Implementation guidance	Updated with latest new SNOMED CT concept request. Removed withdrawn request: "Mean time between changing of infusion pod (observable entity)".
Medications and medical devices/ Medication item entry/ Medical devices entry/ Device type/ Coded value	Implementation guidance	Updated to align to existing SNOMED CT and dm+d codes for glucose monitoring devices.

Care and support plan/ Targets/ Coded value	Implementation guidance	Updated with statement: "Further work is required to identify if additional codes for diabetes related targets and goals are required."
Additional support plan	Implementation guidance	Examples of additional support plans updated to include school individual healthcare plan, hypo/ hyperglycaemia action plans and safe discharge plans for people using insulin.
Documents (including correspondence, audio and images)	Implementation guidance	Updated to clarify recommendations about handling of diabetes images in systems.
National screening programmes	Implementation guidance	Updated to clarify recommendations about handling of diabetic eye screening results in systems.
National screening programmes/ National screening programme record entry/ Screening status/ Coded value	Implementation guidance	Removed inactivated concept 839811000000106  Diabetic retinopathy screening declined (situation)  and replaced with 413122001. Following stakeholder feedback, the following SNOMED CT concepts were highlighted in the value set: 374901000000103 and 374871000000103.
National screening programmes/ National screening programme record entry/ Screening performed	Implementation guidance	Following stakeholder feedback, guidance and value set updated to include Optical coherence tomography.
National screening programmes/ National screening programme record entry/ Screening result/ Coded value	Implementation guidance	Replaced inactivated concept: 247193008  Photocoagulation scars (finding) .
National screening programmes/ National screening programme record entry/ Screening result/ Coded value	Implementation guidance	Updated with statement:" (NB: these are placeholders until appropriate national concepts are agreed)".
Structured education	Implementation guidance	Updated to clarify recommendation on handling of information about a person's attendance at structured education (SE) and recording of SE referrals.