



SLOVENSKI STANDARD

oSIST prEN ISO 24292:2026

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**Informatika v zdravstvu - Povzetek podatkov o stanju pacienta v zobozdravstvu
(ISO/DIS 24292:2026)**

Health informatics - Dental patient summary (ISO/DIS 24292:2026)

Dentaldaten für den Austausch (ISO/DIS 24292:2026)

Échanges de données du domaine dentaire (ISO/DIS 24292:2026)

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35.240.80	Uporabniške rešitve IT v zdravstveni tehniki	IT applications in health care technology

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Health informatics — Dental patient summary

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Contents

Page

Foreword	vi
Introduction	vii
1 Scope	1
2 Normative references	1
3 Terms and definitions	1
4 Abbreviations	4
5 Dental Patient Summary datablocks	4
5.1 Introduction to the DPS datablocks	4
5.2 Conformance detail	5
6 Descriptors for the DPS dataset	6
7 The DPS document	8
7.1 Description	8
8 The DPS feature: Patient attributes	9
9 The DPS feature: Healthcare provider	9
9.1 Description	9
9.2 Detailed description of the healthcare provider DPS feature	9
10 The DPS feature: Patient's address book	10
11 The DPS section: Allergies and intolerances	10
12 The DPS section: Functional status	10
13 The DPS Section: History of current and past medical problems	10
13.1 Description	10
13.2 Detailed description of section history of current and past medical problems	11
14 The DPS Section: History of past dental problems	11
14.1 Description	11
14.2 Detailed description of section history of past dental problems	12
14.2.1 Purpose	12
14.2.2 Definition	12
14.2.3 Business rules	12
14.2.4 Missing	12
14.2.5 Format	12
14.2.6 Inclusion criteria	12
14.2.7 Currency	12
14.2.8 Further detail	12
14.2.9 Examples	13
14.3 Past dental problems	13
14.4 Dental problem	13
14.5 Dental problem type	13
14.6 Description	13
14.6.1 Tooth numbering System	13
14.6.2 Tooth number	13
14.6.3 Tooth surface	13
14.6.4 Tooth location	14
14.7 Severity	14
14.8 Problem status	14
14.9 Date resolved	14
14.10 Specialist contact	14
15 The DPS section: History of pregnancy	14
16 The DPS section: History of medical procedures	14

ISO/DIS 24292:2026(en)

17	The DPS section: History of dental procedures	14
17.1	Description	14
17.2	Detailed description of the DPS section, history of dental procedures	15
17.2.1	Purpose	15
17.2.2	Definition	15
17.2.3	Business rules	16
17.2.4	Missing	16
17.2.5	Format	16
17.2.6	Inclusion criteria	16
17.2.7	Currency	16
17.2.8	Further detail	16
17.2.9	Examples	16
17.3	Dental procedures content status	16
17.4	Dental procedures	16
17.5	Dental procedure	16
17.6	Description	16
17.6.1	Tooth numbering system	17
17.6.2	Tooth number	17
17.6.3	Tooth surface	17
17.6.4	Tooth location	17
17.7	Body site	17
18	The DPS section: Immunizations	17
19	The DPS section: Medical devices	18
19.1	Description	18
19.2	Detailed description of the DPS section, Medical devices	18
20	The DPS section: Medication summary	19
21	The DPS section: Care plan	19
21.1	Table 12 describes the optional DPS section for a Care plan.	19
21.2	Detailed description of the DPS section, Care plan	20
22	The DPS section: Dental problems including diagnosis	20
22.1	Description	20
22.2	Detailed description on the mandatory DPS section, Dental problems, including diagnosis	22
22.2.1	Purpose	22
22.2.2	Definition	22
22.2.3	Business rules	22
22.2.4	Missing	22
22.2.5	Format	22
22.2.6	Inclusion criteria	22
22.2.7	Currency	22
22.2.8	Further detail	22
22.2.9	Examples	22
22.3	Problems content status	23
22.4	Problems	23
22.5	Problem	23
22.6	Problem type	23
22.7	Problem description	23
22.7.1	Tooth numbering system	23
22.7.2	Tooth number	23
22.7.3	Tooth surface	23
22.7.4	Tooth location	23
22.7.5	Additional information	24
22.8	Diagnosis	24
22.9	Severity	24
22.10	Problem status	24
22.11	Specialist contact	24

ISO/DIS 24292:2026(en)

23	The DPS section: Results	24
23.1	Description	25
23.2	Detailed description of DPS section on Results	25
24	The DPS section: Social history	25
24.1	Description	25
24.2	Detailed description of the mandatory DPS section social history	26
24.2.1	Purpose	26
24.2.2	Definition	26
24.2.3	Business rules	26
24.2.4	Missing	26
24.2.5	Format	26
24.2.6	Inclusion criteria	27
24.2.7	Currency	27
24.2.8	Further detail	27
24.2.9	Examples	27
24.3	Social factors	27
24.4	Social factor	27
24.5	Social factor description	27
24.6	Social factor details	27
24.7	Reference date range	27
25	The DPS section: Vital signs	27
26	The DPS feature: Cross organization	28
27	The DPS section: Alerts	28
Annex A (informative)	Implementation Independence and Terminology Considerations in dentistry	29
Annex B (informative)		31
Annex C (informative)	Additional resources for specific use cases	32
Bibliography		33

ISO/DIS 24292:2026(en)

Foreword

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The procedures used to develop this document and those intended for its further maintenance are described in the ISO/IEC Directives, Part 1. In particular, the different approval criteria needed for the different types of ISO documents should be noted. This document was drafted in accordance with the editorial rules of the ISO/IEC Directives, Part 2 (see www.iso.org/directives).

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This document was prepared by Technical Committee ISO/TC 215, *Health informatics*

This is the first edition of ISO 24292:2026#

Any feedback or questions on this document should be directed to the user's national standards body. A complete listing of these bodies can be found at www.iso.org/members.html.

ISO/DIS 24292:2026(en)**Introduction****0.1 General**

As digitization of dental patient records has progressed, there is a growing need to exchange electronic information among dental providers for patients transitioning from one practice to another, for referral to dental specialists for consultation and treatment, for exchange of dental data in other healthcare settings and for research projects. Examples of data for exchange include administrative data, such as patient name and provider information, clinical findings, treatment data, image files, medications, allergies, and progress notes. Such data exchange could also support research using the shared data.

Currently, there are no international recommendations for such exchanges for dental practice.

This document is intended to develop recommendations regarding what digital dental information could be exchanged among electronic dental records and the format for the data elements that support that data exchange. The goal of the dental data exchange is syntactic and semantic interoperability for electronic dental record data.

The standardized data exchanged may also be aggregated and used for analytics and research.

The goal of this document is to define Dental patient summary (DPS) comprising core content in a concise form. This document defines a core, structured dental dataset with associated business rules for a relevant patient.

The DPS is designed to provide relevant information to assist planned and unplanned care across any organizational boundary, including country borders and their jurisdictional requirements (e.g. local, regional, state/provincial, and national).

The DPS dataset in this document is small, even so there is no expectation that the full dataset is realized for conformant specification and conformant implementation to be produced.

The dataset in this summary is non-exhaustive. The data blocks are introduced to meet patient summary requirements be they clinical, administrative, or technological in nature.

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Health informatics — Dental patient summary

1 Scope

This document outlines a core dataset designed for a concise dental data exchange intended to support continuity and coordination of care. It provides a conceptual framework for a Dental Patient Summary that can serve as the basis for implementation models.

The content reflects an international perspective on organizing dental information for cross-border exchange. It offers guidance on the essential data elements that should be shared globally and proposes a standardized format for their representation. The document focuses on defining the structure of the data to be exchanged (“the what”) without prescribing the specific methods or technologies used for transmission (“the how”).

It does not include guidance on operational workflows such as data entry, collection, summarization, or integration. Nor does it address the competencies required to perform those tasks. Furthermore, it is not intended as an implementation guide and does not cover the underlying technical infrastructure or the use of particular coding systems, data formats, or terminologies.

2 Normative references

The following documents are referred to in the text in such a way that some or all of their content constitutes requirements of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

ISO 27269:2025, *Health informatics — International patient summary*

3 Terms and definitions

For the purposes of this document, the *following terms and definitions / terms and definitions given in Clause 3: ISO 27269:2025- Health informatics — International patient summary*.

ISO and IEC maintain terminological databases for use in standardization at the following addresses:

- IEC Electropedia: available at <http://www.electropedia.org/>
- ISO Online browsing platform: available at <http://www.iso.org/obp>

3.1

dentist

person licensed by a regulatory body to practise *dentistry*

[SOURCE: EN ISO 1942:2020 [\[1\]](#)]

3.2

dentistry

science of preventing, diagnosing and treating diseases and malfunctions of, and injuries to, the teeth, mouth and jaws, and of replacing lost teeth and associated tissues and promoting *oral health*

[SOURCE: EN ISO 1942:2020 [\[1\]](#), 3.1.2.1]

ISO/DIS 24292:2026(en)

3.3

dental device

instrument, apparatus, appliance, software, material or other article, whether used alone or in combination, including the software necessary for its proper application, intended by the manufacturer to be used for human beings for the purpose of

- diagnosis, prevention, monitoring, treatment or alleviation of oral disease;
- diagnosis, monitoring, treatment, alleviation of or compensation for cranio-facial injury or oral handicap;
- investigation, replacement or modification of the cranio-facial anatomy or of a physiological process and which does not achieve its principal intended action in or on the human body by pharmacological, immunological or metabolic means, but which may be assisted in its function by such means;

[SOURCE: EN ISO 1942:2020 [\[1\]](#), 3.1.4.7]

3.4

dental material

substance or combination of substances specially formulated and prepared for use in the practice of *dentistry* ([3.2](#)) and/or associated procedures

[SOURCE: EN ISO 1942:2020 [\[1\]](#), 3.1.2.2]

3.5

dental restoration

dental device ([3.3](#)) that replaces excavated or lost tooth structure, teeth or oral tissues

[SOURCE: EN ISO 1942:2020 [\[1\]](#), 3.1.4.7]

3.6

temporary filling material

filling material ([3.1.4.11](#)) intended to serve until a permanent *restoration* ([3.1.4.13](#)) can be placed

3.7

dental prosthesis

dental device ([3.3](#)) replacing one or more missing teeth and, if required, associated anatomical structures

[SOURCE: EN ISO 1942:2020 [\[1\]](#), 3.1.4.19]

3.8

dental implant

device especially designed to be placed within, through or upon the bones of the cranio-facial complex, the primary purposes of which are to support and/or to resist displacement of a *dental prosthesis* ([3.7](#))

3.9

computer aided design - computer aided manufacturing

CAD/CAM

fabrication that involves the use of digitalized data

Note 1 to entry: CAD/CAM manufacturing of a dental restoration ([3.1.4.13](#)) or prostheses usually include all or some of the following features:

- a) a digital scanning and recording of oral structures captured using an intraoral camera or laser scanning, or the dimensions and characteristics of the surfaces of the model on which prosthesis or restoration is to fit, or; pattern of the prosthesis or restoration that is to be reproduced,
- b) a software package modelling the recording that can be used to guide the fabrication of appliances that models the recording and can be used to design the prosthesis, and
- c) a machine capable of being guided by the software in shaping the desired prosthesis or restoration.