

DICOM Change Proposal

STATUS	Letter Ballot
Date of Last Update	2026-01-28
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Change Number	CP-2547
Log Summary: Correction of deprecated LOINC Code, and additions to H-1 LOINC Codes	
Name of Standard	
PS3.16	
Rationale for Change:	
<p>1) TID 3802. Cardiovascular Patient History, Row 23 contains a LOINC Code 2086-7. That code is marked in LOINC as STATUS=DEPRECATED, Reason=Duplicate. It is mapped to 2085-9 Cholesterol in HDL [Mass/volume] in Serum or Plasma. It must be replaced in TID.</p> <p>2) The TIDs of PS3.16 have often different CodeMeanings than in LOINC. There may be several reasons for it, like LOINC text is too long, or suggested better phrasing. In some cases, there may be several CodeMeaning for same CodeValue in PS3.16. The Table H-1. Code Meanings of LOINC Codes in PS3.16 should be completed for this purpose. The goal is to have consistent list of all used LOINC Coded Concepts used in the DICOM standard.</p> <p>3) The TIDs and CIDs use (8277-6, LN, "BSA") instead of (8277-6, LN, "Body Surface Area") and (11778-8, LN, "EDD") instead of 11778-8, LN, "Estimated Date of Delivery). It is suggested to change existing entries in Table H-1 to show the text used in TIDs. It is suggested to add "BSA" variant to the Table G-1. English Code Meanings of Selected Codes. That table has already both variants for LOINC 11778-8.</p> <p>4) Some terms in table H-1 are incorrect English/Latin – but they are currently used like that in TIDs and CIDs. This seems to follow best-practice in some hospitals – but it may be confusing to non-native-speakers, as those terms do not exist in dictionaries or translators. It is suggested to add to Table G-1. English Code Meanings of Selected Codes the terms used in LOINC and the terms used in DICOM for such codes. The purpose is to give a better understanding to the reader.</p> <ul style="list-style-type: none"> - "Gravida" is a Latin adjective (pregnant=yes/no), or English for "pregnant woman". In TID 5001 / TID 9001 it is used in context as "number of pregnancies". A better term should have been Latin "graviditas" (singl.) / "graviditatis" (pl) / "numerus graviditatum". - "Para" According to Merriam-Webster the English word "Para" means "woman delivered of (so many) children". In TID 5001 / TID 9001 it is used in context as "number of live births". - "Aborta" The origin of the word „aborta“ is unclear. It neither exists in English (Webster) nor Latin. In TID 5001 / TID 9001 it is used in context as "number of abortions" That should have been English (Abortion / Abortions), or in Latin (Abortus / Abortiones). - The word "Term" explains itself only from the context of usage. Here it stands for "Births in time". See "Preterm". The term "Term" could be misinterpreted as "Terminated" (=aborted). 	
Change Wording:	

Modify PS3.16, Table TID 3802. Cardiovascular Patient History

- Replace LOINC 2086-7 by 2085-9
- Update the link to <http://loinc.org/2085-9/>

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
		[...]						
23	>>	CONTAINS	NUM	DT (2086-7 / 2085-9 , LN, "Cholesterol.in HDL")	1	U		UNITS = EV (mg/dl, UCUM, "mg/dl")
		[...]						

Modify PS3.16 Table J-1. SNOMED Codes Retired from DICOM Use

Note to Editor:

This would be a typical use case for "CP-2476 Handling of Coded Concepts retired from DICOM use" (CP is in work)

Table J-1. Codes Retired from DICOM Use

Retired Code Value	Code Meaning Code Value	Replacement Code	Notes
LN:2086-7	Cholesterol.in HDL	LN:2085-9	<u>Retired code is marked in LOINC as STATUS=DEPRECATED, Reason=Duplicate.</u>

Change PS3.16, section Table G-1. English Code Meanings of Selected Codes

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Table G-1. English Code Meanings of Selected Codes

Coding Scheme Designator	Code Value	Code Meaning
[...]	[...]	[...]
LN	11778-8	Estimated Date of Delivery EDD
[...]	[...]	[...]
LN	8277-6	<u>BSA</u> Body Surface Area
[...]	[...]	[...]
LN	11996-6	<u>Gravida</u> <u>[#] Pregnancies</u> <u>Pregnancies</u>
LN	11977-6	<u>Para</u> <u>[#] Parity</u> <u>Parity</u>
LN	11612-9	<u>Aborta</u> <u>[#] Abortions</u> <u>Abortions</u>
LN	11639-2	<u>Term</u> <u>[#] Births.term</u> <u>Births.term</u>
LN	11637-6	<u>Preterm</u> <u>[#] Births.preterm</u> <u>Births.preterm</u>

30 **Change PS3.16, section H Code Meanings of LOINC Codes in DCMR, Table H-1**

Notes to editor (informal):

- The LOINC codes in the following list are Codes currently used in DICOM PS3.16 TIDs, while missing in Table H-1.
- The goal is to have in Table H-1 a complete Reference of the LOINC terminology used in DICOM.
- 35 - There are some cases where the CodeMeaning from TID(s) is textual different in the TID against LOINC Name(s). This was discussed in WG-06 meeting. It was decided that we want to have only the texts used in DICOM. CP was updated accordingly.
- CodeMeanings from DICOM were carefully checked against LOINC Coded Concepts. All LOINC Codes covered in this CP have the same Meaning as intended by LOINC – despite the text may be different.
- 40 - Capitalisation of CodeMeaning follows entries in TIDs.
- New added to version 03 (2025-07-14) of this CP:
(8737-9, LN, "Cardiac Output by Indicator Dilution").
(8310-5, LN, "Body temperature")

Table H-1. Code Meanings of LOINC Codes

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Code Value	Code Meaning
[...]	[...]
11778-8	Estimated Date of Delivery EDD
[...]	[...]
8277-6	Body Surface Area BSA
[...]	[...]
<u>74711-3</u>	<u>Unique device identifier</u>
<u>11951-1</u>	<u>Fetus ID</u>
<u>14749-6</u>	<u>Glucose</u>
<u>59776-5</u>	<u>Findings</u>
<u>57108-3</u>	<u>Macular Grid.Center Point Thickness</u>
<u>57109-1</u>	<u>Macular Grid.Center Subfield Thickness</u>
<u>57110-9</u>	<u>Macular Grid.Inner Superior Subfield Thickness</u>
<u>57111-7</u>	<u>Macular Grid.Inner Nasal Subfield Thickness</u>
<u>57112-5</u>	<u>Macular Grid.Inner Inferior Subfield Thickness</u>
<u>57113-3</u>	<u>Macular Grid.Inner Temporal Subfield Thickness</u>
<u>57114-1</u>	<u>Macular Grid.Outer Superior Subfield Thickness</u>
<u>57115-8</u>	<u>Macular Grid.Outer Nasal Subfield Thickness</u>
<u>57116-6</u>	<u>Macular Grid.Outer Inferior Subfield Thickness</u>
<u>57117-4</u>	<u>Macular Grid.Outer Temporal Subfield Thickness</u>
<u>57118-2</u>	<u>Macular Grid.Total Volume</u>
<u>8867-4</u>	<u>Heart rate</u>
<u>8310-5</u>	<u>Body temperature</u>
<u>8884-9</u>	<u>Cardiac Rhythm</u>
<u>9304-7</u>	<u>Respiration Rhythm</u>
<u>18752-6</u>	<u>Stress Testing Report</u>
<u>10230-1</u>	<u>LV Ejection Fraction</u>
<u>8821-1</u>	<u>Left Ventricular ED Volume</u>
<u>8823-7</u>	<u>Left Ventricular ES Volume</u>
<u>40443-4</u>	<u>Resting Heart Rate</u>

<u>8480-6</u>	<u>Intravascular arterial Systolic pressure</u>
<u>8462-4</u>	<u>Intravascular arterial Diastolic pressure</u>
<u>8478-0</u>	<u>Intravascular arterial mean pressure</u>
<u>8716-3</u>	<u>Vital Signs</u>
<u>8737-9</u>	<u>Cardiac Output by Indicator Dilution</u>
<u>718-7</u>	<u>Hemoglobin</u>
<u>8736-1</u>	<u>FICK Cardiac Output</u>
<u>8750-2</u>	<u>FICK Cardiac Index</u>
<u>8861-7</u>	<u>Left Ventricular Stroke Work</u>
<u>8862-5</u>	<u>Right Ventricular Stroke Work</u>
<u>8863-3</u>	<u>Left Ventricular Stroke Work Index</u>
<u>8864-1</u>	<u>Right Ventricular Stroke Work Index</u>
<u>19217-9</u>	<u>Oxygen partial pressure at 50% saturation (P50)</u>
<u>11556-8</u>	<u>Blood Oxygen partial pressure</u>
<u>8278-4</u>	<u>Body Surface Area Formula</u>
<u>28010-7</u>	<u>ECG Report</u>
<u>18810-2</u>	<u>ECG overall finding</u>
<u>29762-2</u>	<u>Social History</u>
<u>10167-5</u>	<u>Past Surgical History</u>
<u>30954-2</u>	<u>Relevant Diagnostic Tests and/or Laboratory Data</u>
<u>2085-9</u>	<u>Cholesterol.in HDL</u>
<u>2089-1</u>	<u>Cholesterol.in LDL</u>
<u>33999-4</u>	<u>Status</u>
<u>10157-6</u>	<u>History of Family Member Diseases</u>
<u>46264-8</u>	<u>History of medical device use</u>
<u>10231-9</u>	<u>RV Ejection Fraction</u>
<u>11323-3</u>	<u>Health status</u>
<u>48676-1</u>	<u>HER2</u>
<u>11879-4</u>	<u>Number of follicles in left ovary</u>
<u>11880-2</u>	<u>Number of follicles in right ovary</u>
<u>11631-9</u>	<u>Gross Body Movement</u>
<u>11632-7</u>	<u>Fetal Breathing</u>
<u>11635-0</u>	<u>Fetal Tone</u>
<u>11633-5</u>	<u>Fetal Heart Reactivity</u>
<u>11630-1</u>	<u>Amniotic Fluid Volume</u>
<u>11634-3</u>	<u>Biophysical Profile Sum Score</u>
<u>11865-3</u>	<u>Uterus Width</u>
<u>11842-2</u>	<u>Uterus Length</u>
<u>11859-6</u>	<u>Uterus Height</u>
<u>11639-2</u>	<u>Term</u>
<u>11637-6</u>	<u>Preterm</u>
<u>2160-0</u>	<u>Serum Creatinine</u>
[...]	[...]