

# Override Answer Lists in Panels

## Background:

In the past, we have created new LOINC codes for concepts that have the same meaning but which have different answer lists specified by different authorities or sources. These LOINC codes typically have different Methods, which signal the authority or source that created the answer list.

Starting with the June release, we added a mechanism for specifying an override answer list for a particular term **in the context of a specific panel**. By using this mechanism, our goal is to reduce the number of duplicative concepts in LOINC. The new Answer List artifact contains a file with links between LOINC codes and answer lists. In this file, we have a column for the applicable context for override lists.

## Examples of situations in which we have used the new override answer list mechanism:

61576-5 PROMIS short form - global - version 1.1

61577-3 In general, would you say your health is [PROMIS]

Individual questions use this answer list:

ANSWER LIST ( <a href="#">LL1012-5</a> )					
Source:		PROMIS			
SEQ#	Answer	Code	Score	Answer ID	
1	Excellent	1	5	LA9206-9	
2	Very Good	2	4	LA13913-1	
3	Good	3	3	LA8967-7	
4	Fair	4	2	LA8968-5	
5	Poor	5	1	LA8969-3	

85524-7 PROMIS short form - global - version 1.2

61577-3 In general, would you say your health is [PROMIS]

Same questions and scores as in version 1.1, but the answer codes were reversed:

ANSWER LIST ( <a href="#">LL4280-5</a> )					
Source:		National Institutes of Health Toolbox			
SEQ#	Answer	Code	Score	Answer ID	
1	Excellent	5	5	LA9206-9	
2	Very Good	4	4	LA13913-1	
3	Good	3	3	LA8967-7	
4	Fair	2	2	LA8968-5	
5	Poor	1	1	LA8969-3	

Rather than create new terms for the questions, we used the same question and assigned the appropriate answer list for each version in the instance of the panel. In the panel details for each version, the terms appear with the appropriate answer list.

## 61576-5 PROMIS short form - global - version 1.1

PANEL HIERARCHY ([view this panel in the LForms viewer](#))

LOINC#	LOINC Name
<a href="#">61576-5</a>	PROMIS short form - global - version 1.1
<a href="#">61577-3</a>	In general, would you say your health is:

### [61577-3](#) In general, would you say your health is [PROMIS]

#### NAME

Fully-Specified Name:	Component	Property	Time	System	Scale	Method
	In general, would you say your health is	Find	Pt	^Patient	Ord	PROMIS
Long Common Name:	In general, would you say your health is [PROMIS]					

#### BASIC ATTRIBUTES

Class/Type:	SURVEY.PROMIS/Survey
First Released in Version:	2.34
Last Updated in Version:	2.50
Status:	Active

#### NORMATIVE ANSWER LIST ([LL1012-5](#))

Source: PROMIS

SEQ#	Answer	Code	Score	Answer ID
1	Excellent	1	5	LA9206-9
2	Very Good	2	4	LA13913-1
3	Good	3	3	LA8967-7
4	Fair	4	2	LA8968-5
5	Poor	5	1	LA8969-3

## 85524-7 PROMIS short form - global - version 1.2

PANEL HIERARCHY ([view this panel in the LForms viewer](#))

LOINC#	LOINC Name
<a href="#">85524-7</a>	PROMIS short form - global - version 1.2
<a href="#">61577-3</a>	In general, would you say your health is:

### [61577-3](#) In general, would you say your health is [PROMIS]

#### NAME

Fully-Specified Name:	Component	Property	Time	System	Scale	Method
	In general, would you say your health is	Find	Pt	^Patient	Ord	PROMIS
Long Common Name:	In general, would you say your health is [PROMIS]					

#### OBSERVATION ID IN FORM

Global01

#### BASIC ATTRIBUTES

Class/Type:	SURVEY.PROMIS/Survey
First Released in Version:	2.34
Last Updated in Version:	2.50
Status:	Active

#### NORMATIVE ANSWER LIST ([LL4280-5](#))

Source: National Institutes of Health Toolbox

SEQ#	Answer	Code	Score	Answer ID
1	Excellent	5	5	LA9206-9
2	Very Good	4	4	LA13913-1
3	Good	3	3	LA8967-7
4	Fair	2	2	LA8968-5
5	Poor	1	1	LA8969-3

Representation in the LoincAnswerListLink file:

LoincNumber	LongCommonName	AnswerListId	AnswerListName	AnswerListLinkType	ApplicableContext
61577-3	In general, would you say your health is [PROMIS]	LL4280-5	[PROMIS]Excel-5 Very good-4 Good-3 Fair-2 Poor-1	NORMATIVE	85524-7
61577-3	In general, would you say your health is [PROMIS]	LL1012-5	[PROMIS]Excellent Very good Good Fair Poor	NORMATIVE	
61578-1	In general, would you say your quality of life is [PROMIS]	LL4280-5	[PROMIS]Excel-5 Very good-4 Good-3 Fair-2 Poor-1	NORMATIVE	85524-7
61578-1	In general, would you say your quality of life is [PROMIS]	LL1012-5	[PROMIS]Excellent Very good Good Fair Poor	NORMATIVE	
61579-9	In general, how would you rate your physical health [PROMIS]	LL4280-5	[PROMIS]Excel-5 Very good-4 Good-3 Fair-2 Poor-1	NORMATIVE	85524-7
61579-9	In general, how would you rate your physical health [PROMIS]	LL1012-5	[PROMIS]Excellent Very good Good Fair Poor	NORMATIVE	

83234-5 Prior device use [CMS Assessment]

This term is used in multiple CMS assessments but with different answer lists:

**ANSWER LIST (LL4471-0)**

Source: Centers for Medicare & Medicaid Services

SEQ#	Answer	Code	Answer ID
1	Manual wheelchair	A	LA18363-4
2	Motorized wheelchair or scooter	B	LA26730-4
3	Mechanical lift	C	LA11549-5
4	None of the above	Z	LA9-3

**ANSWER LIST (LL4152-6)**

Source: Centers for Medicare & Medicaid Services

SEQ#	Answer	Code	Answer ID
1	Manual wheelchair	A	LA18363-4
2	Motorized wheelchair or scooter	B	LA26730-4
3	Mechanical lift	C	LA11549-5
4	Walker	D	LA10117-2
5	Orthotics/Prosthetics	E	LA10046-3
6	None of the above	Z	LA9-3

LoincAnswerListLink representation:

LoincNumber	LongCommonName	AnswerListId	AnswerListName	AnswerListLinkType	ApplicableContext
83234-5	Prior device use [CMS Assessment]	LL4152-6	CMS IRFPAI_GG0110 Prior Device Use	EXAMPLE	
83234-5	Prior device use [CMS Assessment]	LL4471-0	CMS_LCDS Prior device use	NORMATIVE	85645-0
83234-5	Prior device use [CMS Assessment]	LL4152-6	CMS IRFPAI_GG0110 Prior Device Use	NORMATIVE	83265-9
83234-5	Prior device use [CMS Assessment]	LL4471-0	CMS_LCDS Prior device use	NORMATIVE	87509-6

57273-5 Plan of care includes intervention to monitor and mitigate pain [CMS Assessment]

This term is also used in different CMS instruments with different answer lists:

**ANSWER LIST (LL823-6)**

Source: Centers for Medicare & Medicaid Services

SEQ#	Answer	Code	Answer ID
1	No SNOMEDCT <a href="#">C: 373067005</a> No (qualifier value)	0	LA32-8
2	Yes SNOMEDCT <a href="#">C: 373066001</a> Yes (qualifier value)	1	LA33-6
3	Not applicable	na	LA4720-4

ANSWER LIST (LL4508-9)			
Source:		Centers for Medicare & Medicaid Services	
SEQ#	Answer	Code	Answer ID
1	No SNOMEDCT ©: 373067005 No (qualifier value)	0	LA32-8
2	Yes SNOMEDCT ©: 373066001 Yes (qualifier value)	1	LA33-6
3	NA-Pain assessment indicates patient has no pain.	NA	LA27641-2

ANSWER LIST (LL4524-6)			
Source:		Centers for Medicare & Medicaid Services	
SEQ#	Answer	Code	Answer ID
1	No SNOMEDCT ©: 373067005 No (qualifier value)	0	LA32-8
2	Yes SNOMEDCT ©: 373066001 Yes (qualifier value)	1	LA33-6
3	NA-Every standardized, validated pain assessment conducted at or since the most recent SOC/ROC assessment indicates the patient has no pain.	NA	LA27696-6

LoincAnswerListLink representation:

LoincNum	LongCommonName	AnswerList	AnswerListName	AnswerListLinkTy	ApplicableContext
57273-5	Plan of care includes intervention to monitor and mitigate pain [CMS Assessment]	LL823-6	OASIS-C_M2250	EXAMPLE	
57273-5	Plan of care includes intervention to monitor and mitigate pain [CMS Assessment]	LL823-6	OASIS-C_M2250	NORMATIVE	57190-1
57273-5	Plan of care includes intervention to monitor and mitigate pain [CMS Assessment]	LL823-6	OASIS-C_M2250	NORMATIVE	57191-9
57273-5	Plan of care includes intervention to monitor and mitigate pain [CMS Assessment]	LL4508-9	CMS_Plan of care-monitor and mitigate pain	NORMATIVE	85907-4
57273-5	Plan of care includes intervention to monitor and mitigate pain [CMS Assessment]	LL4524-6	CMS_OASIS-transfer Intervention-pain	NORMATIVE	86264-9
57273-5	Plan of care includes intervention to monitor and mitigate pain [CMS Assessment]	LL4508-9	CMS_Plan of care-monitor and mitigate pain	NORMATIVE	86189-8
57273-5	Plan of care includes intervention to monitor and mitigate pain [CMS Assessment]	LL4524-6	CMS_OASIS-transfer Intervention-pain	NORMATIVE	86259-9
57273-5	Plan of care includes intervention to monitor and mitigate pain [CMS Assessment]	LL823-6	OASIS-C_M2250	NORMATIVE	57039-0

### Proposal:

We would like to use the new override mechanism to clean up existing LOINC concepts that only differ in terms of their answer lists.

Each term would be attached to an Example Answer List that generally contains the superset of answers used across the different answer lists, similar to the Prior device use CMS term. In the context of a given panel, that same term would be attached to the override Answer List specified by the organization that is the source of the panel.

The duplicate codes would be deprecated and mapped to the primary code.

We would ONLY use this mechanism when the meaning of the LOINC concept is the same across panels, and the types of answers in all of the lists are the same.

### Example of proposed edits:

Patient race codes in LOINC:

LOINC	Component	Property	Timing	System	Scale	Method	AnswerListName
32624-9	Race	Type	Pt	^Patient	Nom		Race or Unknown
74693-3	Race	Type	Pt	^Patient	Nom	AHRQ	AHRQ_PIF_3
69855-5	Race	Type	Pt	^Patient	Nom	HHS.ACA Section 4302	Race - HHS Std
53720-9	Race	Type	Pt	^Patient	Nom	NAPIIA	CR_193
72826-1	Race	Type	Pt	^Patient	Nom	OMB.1997	Race OMB 1997
56091-2	Race	Type	Pt	^Patient	Nom	PhenX	PhenX01_01_race

Current representation in LoincAnswerListLink:

Loinc	Long	AnswerListId	AnswerListName	AnswerList	Applicable
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Number	Common Name			LinkType	Context
32624-9	Race	LL2858-0	Race or Unknown	EXAMPLE	
74693-3	Race [AHRQ]	LL2816-8	AHRQ_PIF_3	NORMATIVE	
69855-5	Race [HHS.ACA Section 4302]	LL2007-4	Race - HHS Std	NORMATIVE	
56091-2	Race [PhenX]	LL1044-8	PhenX01_01_race	NORMATIVE	
53720-9	Race NAPIIA	LL613-1	CR_193	NORMATIVE	
72826-1	Race OMB.1997	LL2359-9	Race OMB 1997	NORMATIVE	

Representation based on proposed edits:

Loinc Number	Long Common Name	AnswerListId	AnswerListName	AnswerList LinkType	Applicable Context
32624-9	Race	{new superset answer list}	Race superset	EXAMPLE	
32624-9	Race	LL2816-8	AHRQ_PIF_3	NORMATIVE	74502-6
32624-9	Race	LL2007-4	Race - HHS Std	NORMATIVE	69919-9
32624-9	Race	LL1044-8	PhenX01_01_race	NORMATIVE	61129-3
32624-9	Race	LL1044-8	PhenX01_01_race	NORMATIVE	62263-9
32624-9	Race	LL613-1	CR_193	NORMATIVE	49083-9
32624-9	Race	LL613-1	CR_193	NORMATIVE	59852-4
32624-9	Race	LL2359-9	Race OMB 1997	NORMATIVE	75854-0
32624-9	Race	LL2359-9	Race OMB 1997	NORMATIVE	76464-7
32624-9	Race	LL2359-9	Race OMB 1997	NORMATIVE	85057-8

Representation of terms in Map\_To file based on proposed edits:

Loinc Number	Long Common Name	Status	Map_To	
74693-3	Race [AHRQ]	Deprecated	32624-9	Duplicate concept, AHRQ answer list is attached to 32624-9 in the context of the AHRQ panel
69855-5	Race [HHS.ACA Section 4302]	Deprecated	32624-9	“ ”
56091-2	Race [PhenX]	Deprecated	32624-9	“ ”
53720-9	Race NAPIIA	Deprecated	32624-9	“ ”
72826-1	Race OMB.1997	Deprecated	32624-9	“ ”

## LL2858-0 Race or Unknown / OMB 1997 race categories plus Unknown

### BASIC PROPERTIES

Answer List num: LL2858-0  
OID: 1.3.6.1.4.1.12009.10.1.1817  
Status: ACTIVE  
Description: OMB 1997 race categories plus Unknown  
Externally Defined: False  
Name: Race or Unknown  
# of Answers Shown: 6  
# of LOINC's Using This List: 2  
Source ID: 102  
Source Name: Regenstrief LOINC

### ANSWER LIST ([LL2858-0](#))

Source: Regenstrief LOINC

SEQ#	Answer	Answer ID
1	American Indian or Alaska Native	LA10608-0
2	Asian	LA6156-9
3	Black or African American	LA10610-6
4	Native Hawaiian or Other Pacific Islander	LA10611-4
5	White	LA4457-3
6	Unknown	LA4489-6
	SNOMEDCT <a href="#">C</a> : 261665006 Unknown (qualifier value)	

## LL2359-9 Race OMB 1997 / Answer list for race based on OMB 1997 Revisions to the Standards for the Classification of Federal Data on Race and Ethnicity

### BASIC PROPERTIES

Answer List num: LL2359-9  
OID: 1.3.6.1.4.1.12009.10.1.1520  
Status: ACTIVE  
Description: Answer list for race based on OMB 1997 Revisions to the Standards for the Classification of Federal Data on Race and Ethnicity  
Externally Defined: False  
Name: Race OMB 1997  
# of Answers Shown: 5  
# of LOINC's Using This List: 2  
List:  
Source ID: 275  
Source Name: Office of Management and Budget (OMB)

### ANSWER LIST ([LL2359-9](#))

Source: Office of Management and Budget (OMB)

SEQ#	Answer	Answer ID
1	American Indian or Alaska Native	LA10608-0
2	Asian	LA6156-9
3	Black or African American	LA10610-6
4	Native Hawaiian or Other Pacific Islander	LA10611-4
5	White	LA4457-3

LL2007-4

Race - HHS Std / White/Black or Afr amer/Asian  
indian/Chinese/Filipino/Japanese/Korean/Vietnamese/Other asian/Native hawaiian/Guamian or  
chamorro/Samoan/Other pacific islander

**BASIC PROPERTIES**

Answer List num: LL2007-4  
OID: 1.3.6.1.4.1.12009.10.1.1179  
Status: ACTIVE  
Description: White/Black or Afr amer/Asian indian/Chinese/Filipino/Japanese/Korean/Vietnamese/Other asian/Native hawaiian/Guamian or chamorro/Samoan/Other pacific islander  
Externally Defined: False  
Name: Race - HHS Std  
# of Answers Shown: 14  
# of LONCs Using This List: 1  
Source ID: 182  
Source Name: National Institutes of Health

**ANSWER LIST (LL2007-4)**

Source: National Institutes of Health

SEQ#	Answer	Code	Answer ID
1	White	a	LA4457-3
2	Black or African American	b	LA10610-6
3	American Indian or Alaska Native	c	LA6155-1
4	Asian Indian	d	LA14048-5
5	Chinese	e	LA4168-6
6	Filipino	f	LA3969-8
7	Japanese	g	LA4595-0
8	Korean	h	LA4603-2
9	Vietnamese	i	LA4443-3
10	Other Asian	j	LA14049-3
11	Native Hawaiian	k	LA14045-1
12	Guamanian or Chamorro	l	LA18375-8
13	Samoan	m	LA4300-5
14	Other Pacific Islander	n	LA14047-7