

Diagnostic Tests LOINC Codes

Last Modified on 12/10/2021 4:16 pm EST

Version 20.15

Warning: When updating the In-House Diagnostic Tests LOINC codes, remember that these codes are used in different areas of OP, such as Care Plans. Please coordinate when the information will be updated for the least impact to the Practice.

About

LOINC codes are unique identifiers for Diagnostic Tests, including lab tests, x-rays, ultrasounds, and other procedures. Most Practices were using made-up LOINC codes for in-house tests, like rapid strep EIA tests ("XSTREP" was commonly used) and urine pregnancy tests ("XHCG" and "XPREG"). Getting the proper LOINC Diagnostic Test codes is important because they are more precise. For example, to report a rapid strep test using the EIA method, OP must find this in your Diagnostics table. One possibility would be to look for every test that starts with Strep. This would include Streptozyme and Strep culture, neither of which are rapid strep tests, and it would exclude Rapid strep and Quick strep, which might be legitimate labels for the strep test. If we know that all Practices have labeled their rapid strep tests as LOINC CODE 6557-3, OP knows exactly what to look for, and it's uniform across all OP Practices.

OP has put together a list of the LOINC codes for a Practice to update their In-House Diagnostic Tests. Follow the instructions below to perform the updates. In addition, you may update prior Diagnostic Tests with the LOINC code by following the instruction supplied in this article. When updating prior Diagnostic Tests, you must complete Step 1 before proceeding to Step 2.

Can OP update these for me with a script or database update?" Due to the customization of each practice's diagnostic tests, etc., a script or database update would not be an effective way to make the LOINC code edits.

Note: To get a list of the current LOINC Codes to replace the In-House codes in the Diagnostic Test Directory, click here.

Step 1: Update Diagnostic Tests LOINC Codes

- 1. Navigate to Clinical tab > More button (Customize group) > Diagnostic Tests.
- 2. Click on the Test Name Definitions tab.
- 3. Click on the In House line to expand the list of in-house tests.
- 4. Click the **Edit** button on a test to add the LOINC code.
- 5. Type the code in the LOINC field.





Diagnostic Test Name	Information X								
Basic Definition Res	ult Template Lab Mappings								
$+ \checkmark \times \odot$									
Laboratory	In House 🗸								
Test name:	URINE SCREEN								
Purpose:	Order or Result 🗸								
Category:	Chemistry ~								
LOINC :	24356-8 Required. Enter only valid LOINC codes from the lab								
Test ID issued by lab:	24356-8 In-house test ID should be identical to LOINC code								
CPT code:	81002 Automatically adds a superbill entry for in-house reqs								
Default DX code:									
Result type:	~								
Normal range:	to								
Critical range:	to								
Units / Display mask:	/								
Default result value(s	Default result value(s): PENDING;NORMAL=N;ABNORMAL=A								
Default visibility:	Any staff member 🗸 🗸								
Alert message: Pops up when test is ordered	Add Delete								
	<u>Q</u> K <u>C</u> ancel								

- 6. Click the **OK** button.
- 7. Repeat the above steps to update the LOINC for additional Diagnostic Tests.

Step 2 (Optional): Update Prior Orders Diagnostic Tests LOINC Codes

- 1. Navigate to Admin tab > Synchronize LOINC Codes.
- 2. Click the Rename LOINC Codes in the Test Result Table tab.
- 3. Click the Activate button.
- 4. Follow the steps on the right panel, complete as listed below.
 - a. 1. Point to a name in the grid: Select the Diagnostic Test from the panel on the left.
 - b. 2. Choose a LOINC code: Click the radio button for In House Test Name Database. Then, use the drop-down to select the Diagnostic Test name.



- c. Click the **Update** button.
- d. The Confirmation window displays; click Yes to continue.



e. Click **OK** when the update complete window displays.





Step 3: Update Care Plan LOINC Codes

Once the Practice has updated the Diagnostic Tests' LOINC codes, it is important to update the codes that are associated with Care Plans.

- 1. Navigate to Clinical tab > Care Plans (Customize Group).
- 2. Click the CQM Lists tab.
- 3. In the List Name field, locate names beginning with LOINC and follow the instruction below to edit.
 - a. Click into the List Contents field.
 - b. Add the LOINC code using the following format: "11111-1", (double-quote before and after the code followed by a comma if additional codes).

are Plan	s/Registries	Care Plan Items	Care Pl	an Item Types	CQM Lists			
ID		List Name	Δ			List Contents		
100006	5 LOINC_HEARING_SCREEN			'39189-6', 'XHEARING', 'XHEARSN', 'XTYMPANO'				
100007	7 LOINC_HGB '718-7','X005041','XHGB'							
402	LOINC_HGBA1C "41995-2", "45484", "4548-4", "17855-8", "17856-6"							
100002	LOINC_HGB_HCT "20570-8","24360-0","XHGBHCT"							
100003	LOINC_LEAD 41985-3","XLEAD", "56713"							
100012	LOINC_LIPID_PANEL "24331-1","3134-2"							
100001	1 LOINC_PPD			"XPPDMAN"				
28	8 LOINC_PREGNANCY_TEST 11980-9', 20415-6', 20994-0', 2106-3', 2107-1', 2110-5', 2111-3', 2112-1', 2 13-9', 2114-7', 2115-4', 2118-8', 2119-6', 21198-7', 25372-4', 25373-2', 34670-0'							
27	27 LOINC_SEXUALLY_ACTIVE			"10705-2","11 -3","14502-9", 400-3","17401 "17409-4","17	10705-2', '11083-3', '11084-1', '11481-9', '11597-2', '12222-6', '12223-4', '14499-8', '14500 3', '14502-9', '14503-7', '14504-5', '14506-0', '15019-3', '16280-0', '17398-9', '17399-7', '17 100-3', '17401-1', '17402-9', '17403-7', '17404-5', '17405-2', '17406-0', '17407-8', '17408-6', '17409-4', '17410-2'			
407	07 LOINC_SPIRO "82615-6","XSPIRO							

4. Repeat the above steps to update the LOINC CQM Lists.

Resources

• Search for LOINC codes: loinc.org

Version 20.14

Warning: When updating the In House diagnostic tests LOINC codes, these codes are used in different areas of OP, such as Care Plans. Please coordinate when the information will be updated for the least impact to the practice.

Overview

LOINC: These are unique identifiers for diagnostic tests, including lab tests, x-rays, ultrasounds, and other procedures. Most practices were using made-up LOINC codes for in-house tests, like rapid strep EIA tests ("XSTREP" was commonly used) and urine pregnancy tests ("XHCG" and "XPREG"). Getting the proper LOINC diagnostic test codes are important because they are more precise. For example, to report a rapid strep test using the EIA method, OP must find this in your Diagnostics table. One possibility would be to look for every test that starts with Strep. This would include Streptozyme and Strep culture, neither of which are rapid strep tests, and it would exclude Rapid strep and Quick strep, which might be legitimate labels for the strep test. If we know that all practices have labeled their rapid strep tests as LOINC CODE 6557-3 OP knows exactly what to look for, and it's uniform across all OP practices.

OP has put together a list of the LOINC codes for a practice to update their In House diagnostic tests. Follow the instruction below to perform the updates. In addition, you may update prior diagnostic tests with the LOINC code by following the instruction supplied in this article. When updating prior diagnostic tests you must complete Step 1 before proceeding to Step 2.

♀ FAQ "Can OP update these for me with a script or database





update?"

Due to the customization of each practice's diagnostic tests, etc., a script or database update would not be an effective way to make the LOINC code edits.

Note: To get a list of the current LOINC Codes to replace the In House codes in the Diagnostic Test Directory, click here.

Step 1: Update Diagnostic Tests LOINC Codes

- 1. Navigate to Clinical tab > More button (Customize group) > Diagnostic Tests.
- 2. Click on the **Test Name Definitions** tab.
- 3. Click on the In House line to expand the list of in house tests.
- 4. Click the Edit button on a test to add the LOINC code.
- 5. Type the code in the LOINC field.

Diagnostic Test Nam	Information X
Basic Definition Re	ult Template Lab Mappings
	$+ \checkmark \checkmark \Rightarrow$
Laboratory	In House \vee
Test name:	RAPID STREP
Purpose:	Order or Result 🗸
Category:	Microbiology ~
LOINC (no hyphen):	78012-2 Required. User-created codes must begin with "X"
Test ID issued by lab	STREP In-house test ID should be identical to LOINC code
CPT code:	87880 Automatically adds a superbill entry for in-house reqs
Default DX code:	1
Result type:	String ~
Normal range:	to
Critical range:	to
Units / Display mask	
Default result value	s): Pending;Negative=N;Positive=A
Default visibility:	Any staff member $$
Alert message: Pops up when test is ordered	Add Delete
	<u>OK</u> <u>Cancel</u>

Note: Ignore the instructions that say no hyphen. The LOINC code must be entered exactly, including the hyphen.

- 6. Click the OK button.
- 7. Repeat the above steps to update the LOINC for additional Diagnostic Tests.

Step 2 (Optional): Update Prior Orders Diagnostic Tests LOINC Codes

- 1. Navigate to Admin tab > Synchronize LOINC Codes.
- 2. Click the Rename LOINC Codes in the Test Result Table tab.
- 3. Click the Activate button.
- 4. Follow the steps on the right panel, complete as listed below.
 - a. 1. Point to a name in the grid: Select the diagnostic test from the panel on the left.
 - b. 2. Choose a LOINC code: Click the radio button for In House Test Name Database. Click the drop-down arrow and select the diagnostic test name.





Update Missing LONC Codes Rename LO Activate Update Diagong This grid only shows a list of district test ne Test Result table where the LONC Code field Test Name L @ 6000 HZ XAI R @ 6000 HZ XAI	DINC Codes in t nostic Test Re: al LOINC code ames in the Di Id is NOT blank LOINC Code UR6000	he Te sults to a agno	est Result Table Clean Up Utility table: Different LOINC code stic			
Activate Update Diag Reset Origin This grid only shows a list of distinct test na Test Result table where the LOINC Code fiel Rest Name L R @ 6000 HZ XAI R @ 6000 HZ XAI	nostic Test Re al LOINC code ames in the Di Id is NOT blank LOINC Code UR6000	sults to a agno :.	table: Different LOINC code Istic			
Test Name L R @ 6000 HZ XAI R @ 8000 HZ XAI	UR6000	^				
R @ 6000 HZ XAI R @ 8000 HZ XAI	UR6000		1. Point to a name in the grid.			
R @ 8000 HZ XAI	102000		Results with a test name and LOINC code of:			
	XAUR8000		XSTREP			
RAPID FLU A/B XFL	LUAB					
RAPID STREP XS1	TREP		RAPID STREP			
RAPID STREP, GROUP A XST	XSTREPA					
RBC 300	006800		2. Choose a Loinc code.			
RDW 300	000700		Update ALL results with the above LOINC code to:			
REACTIVE LYMPHOCYTES 300	002000		Data Source for Lookup Drop Down List			
RED BLOOD CELL COUNT 300	000100		In House Test Name Database			
RED BLOOD CELL COUNT L10	00.0300		LOINC Code Table			
RED CELL DIST. WIDTH L10	00.0900		RAPID STREP			
REDUCING SUBSTANCES 300	071900		78012-2			
RENAL EPITHELIAL CELLS 300	007000		Update			
RENAL ULTRASOUND W/ BLADDER ?						
RENAL ULTRASOUND W/O BLADDER ?						
RESULT 1 997	7131					
RESULT 1 997	7876					
RIGHT EYE XR1						
CALMONELLA AND CURRENT A CULTUR TO	TEYE					

- c. Click the **Update** button.
- d. Confirmation window displays, click Yes to continue.



e. Click OK when the update complete window displays.

Step 3: Update Care Plan LOINC Codes

Once the practice has updated the diagnostic tests LOINC codes, it is important to update the codes that are associated to Care Plans.

- 1. Navigate to Clinical tab > Care Plans (Customize Group).
- 2. Click the CQM Lists tab.
- 3. In the List Name field, locate names beginning with LOINC and follow the instruction below to edit.
 - Click into the List Contents field.
 - Add the LOINC code using the following format: "11111-1", (double-quote before and after the code followed by a comma if additional codes).

😳 Mana	ge Care Plan	s: Global					
Care Plan	ns/Registries	Care Plan Items	Care Pl	an Item Types	CQM Lists		
ID		List Name	Δ			List Contents	
100006	LOINC_HEAP	RING_SCREEN		"39189-6","XH	IEARING", "XH	IEARSN", "XTYMPANO"	
100007	LOINC_HGB '718-7','X005041','XHGB'						
402	I2 LOINC_HGBA1C "41995-2","4548-4","17855-8","17856-6"						
100002	2 LOINC_HGB_HCT "20570-8","24360-0","XHGBHCT"						
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100012	LOINC_LIPID_PANEL "24331-1","3134-2"						
100001	LOINC_PPD "XPPDMAN"						
28	8 LOINC_PREGNANCY_TEST 11980-9', 20415-6', 20994-0', 2106-3', 2107-1', 2110-5', 2111-3', 2112-1', 2 13-9', 2114-7', 2115-4', 2118-8', 2119-6', 21198-7', 25372-4', 25373-2', 34670-0'						
27	27 LOINC_SEXUALLY_ACTIVE 400-9; 11093-7; 1104-1; 11481-9; 11597-7; 12222-4; 114223-4; 11439-9; 11450- 3; 11450; 9; 11450-7; 11450-4; 11450-6; 11519-3; 116280-1; 11359-6; 11749-1; 11740-1; 11740-2; 11740-3; 11740-4; 1174						
407	7 LOINC SPIRO "82615-6", "XSPIRO"						

4. Repeat the above steps to update the LOINC CQM Lists.

Resources

• Search for LOINC codes: loinc.org

