

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.

FAQ

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

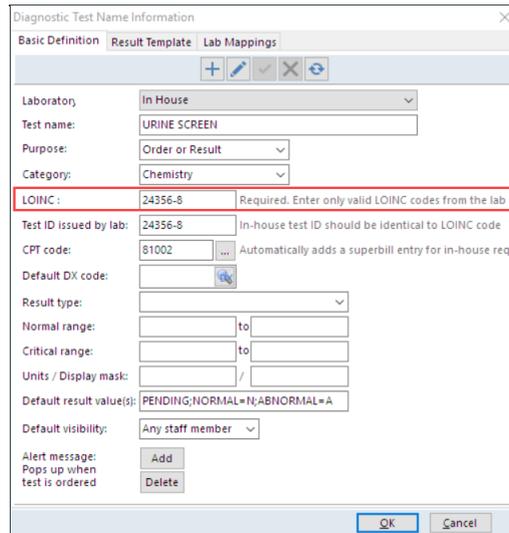
Due to the customization of each practice's diagnostic tests, etc., a script or database update would not be an effective way to make the LOINC code edits.



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

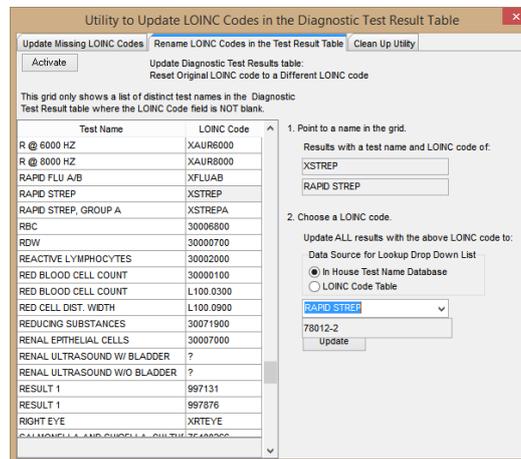
1. Navigate to **Clinical tab > More button (Customize group) > Diagnostic Tests**.
2. Click on the **Test Name Definitions** tab.
3. Click on the **In House** line to expand the list of in-house tests.
4. Click the **Edit** button on a test to add the LOINC code.
5. Type the code in the **LOINC** field.



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

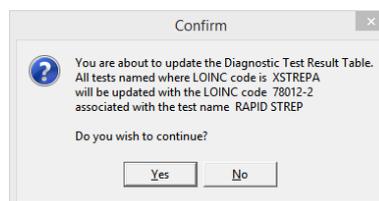
Step 2 (Optional): Update Prior Orders Diagnostic Tests LOINC Codes

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.



Test Name	LOINC Code
R @ 6000 HZ	XAIR6000
R @ 8000 HZ	XAIR8000
RAPID FLU A/B	XFLUAB
RAPID STREP	XSTREP
RAPID STREP, GROUP A	XSTREPA
RBC	30006800
RDW	30000700
REACTIVE LYMPHOCYTES	30002200
RED BLOOD CELL COUNT	30000100
RED BLOOD CELL COUNT	L100.0300
RED CELL DIST. WIDTH	L100.0900
REDUCING SUBSTANCES	30071900
RENAL EPITHELIAL CELLS	30007000
RENAL ULTRASOUND W/ BLADDER	?
RENAL ULTRASOUND W/O BLADDER	?
RESULT 1	997131
RESULT 1	997876
RIGHT EYE	XRITEYE

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

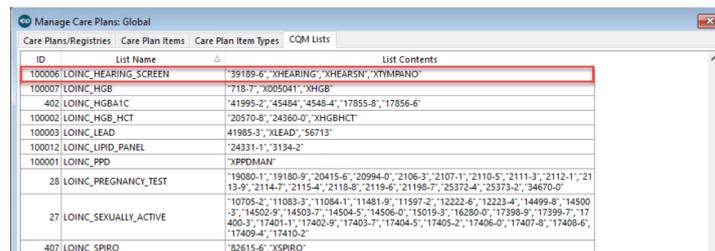


- e. Click **OK** when the update complete window displays.

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).



ID	List Name	List Contents
100006	LOINC_HEARING_SCREEN	'39189-6','XHEARING','XHEARSN','XTYMPRNG'
100007	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	LOINC_PPD	'XPPDMAN'
28	LOINC_PREGNANCY_TEST	'19080-1','19180-9','20415-6','20994-0','2106-3','2107-1','2110-5','2111-3','2112-1','2113-9','2114-7','2115-4','2118-8','2119-6','21198-7','25372-4','25373-2','34670-0'
27	LOINC_SEXUALLY_ACTIVE	'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','16330-0','17398-9','17399-7','17400-3','17401-1','17402-9','17403-7','17404-5','17405-2','17406-0','17407-8','17408-6','17409-4','17410-2'
407	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?"

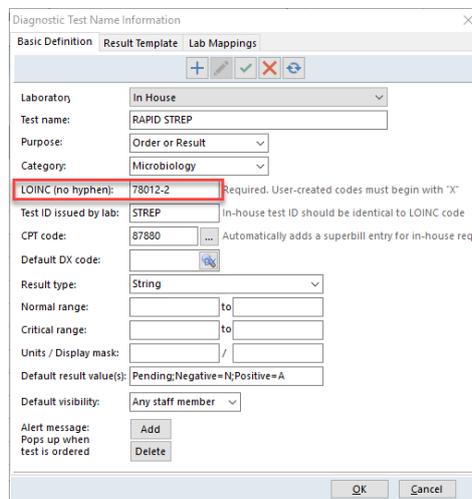
Due to the customization of each practice's diagnostic tests, etc., a script or database update would not be an effective way to make the LOINC code edits.



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.

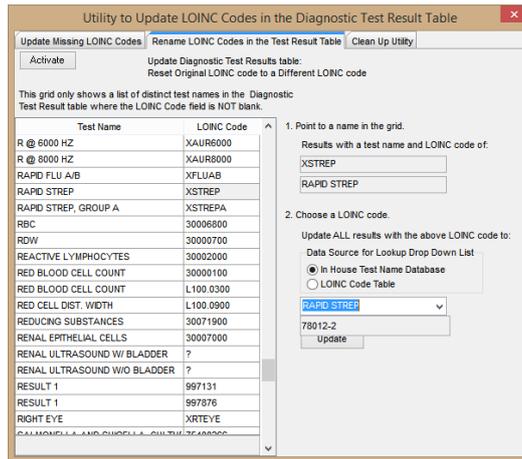



Note: Ignore the instructions that say no hyphen. The LOINC code must be entered exactly, including the hyphen.

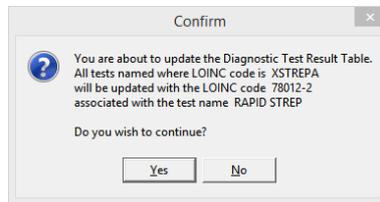
6. Click the **OK** button.
7. Repeat the above steps to update the LOINC for additional Diagnostic Tests.

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.



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

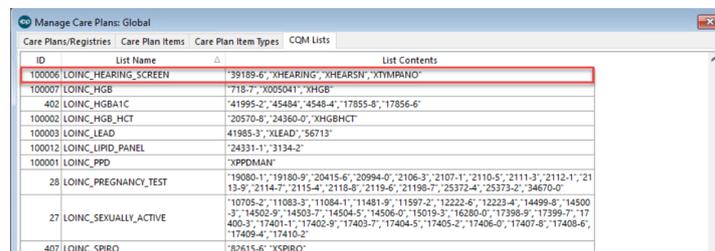


- e. Click **OK** when the update complete window displays.

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).



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

Resources

- Search for LOINC codes: loinc.org