

RELMA

Advanced Topics and Practicum – Part 1

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DEPARTMENT OF MEDICINE

School of Medicine



Regenstrief Institute
Medical Informatics

Overview

1. **General recommendations for getting started with LOINC**
2. **Importing Local terms**
 1. **Import options**
 2. **Data clean-up**
3. **Advanced search limits**



Getting Started with LOINC and RELMA

**We're looking for computer engineers who like to solve difficult problems.
Call us on this number now:**

x=24, y=30
Phone:=01.(y².x).(y².10⁷)x10

Not just an IT problem

Don't Assume

Units of measure are critical.

Sample results can help identify the correct LOINC Scale.

Local experts, package inserts can be very informative.

A fly fisherman is standing in a river, casting a fly. The fisherman is wearing a dark jacket and pants, and a hat. The river is surrounded by trees with vibrant autumn foliage in shades of yellow, orange, and green. The water is rippling, and the overall scene is peaceful and scenic.

**Upstream standardization.
Ask instrument or test kit
manufacturers.**

A journey.

Not a destination.



Ongoing Journey

Plan for updating as your *testing changes* (less common), or your *local code identifiers change* (more common).



Ongoing Journey

Replace mappings to deprecated terms with new LOINC releases.

(RELMA can help)





Local Term

Units:

Battery Code:

Battery Name:

Test Code: 82

Test Name: Cells.CD4

Comments:

⏪ ⏩ 1 of 4 ⏪ ⏩

Deprecated/Discouraged LOINC

LOINC: 20605-2 Class: CELLMARK

Component: Cells.CD4

Property: NCnc System: XXX

Time: Pt Scale: Qn

Method:

View Details

Replacement LOINC

LOINC: 32515-9 Class: CELLMARK

Component: Cells.CD3+CD4+

Property: NCnc System: XXX

Time: Pt Scale: Qn

Method:

Comment:

Map to this LOINC

View Details

⏪ ⏩ 1 of 1 ⏪ ⏩

Exit

Prioritization

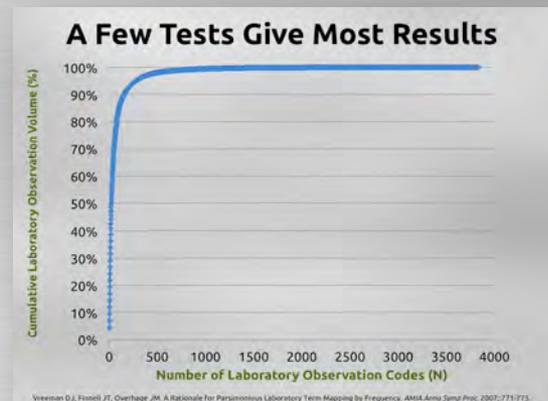
Local or national policies may help prioritize mapping subsets.

For example:

common results

+ panel elements

+ public health reportable tests



Installing RELMA

Installation Steps

Need Windows (or a VM on a Mac)

Got disk space? *2Gb is recommended*

Start installer *<drive>:\RELMA\Setup*

Specify installation directory: *keep default*

Two database files installed

RELMA.MDB – *LOINC terms database*

LMOF3.MDB – *Local Master Observation File*

Two sample files included

Run it!

File Locations

Database and Ancillary Files

Windows XP

```
C:\Documents and Settings\All Users\Documents\RELMA\
```

Windows Vista and 7

```
C:\Users\Public\Documents\RELMA\
```

Sample files

Windows XP

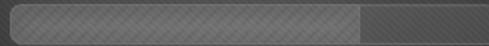
```
C:\Documents and Settings\All Users\Documents\RELMA\Samples\
```

Windows Vista and 7

```
C:\Users\Public\Documents\RELMA\Samples\
```

Running RELMA

75%



LOADING....



The Regenstrief LOINC Mapping Assistant (RELMA®)

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The LOINC® codes, LOINC® table (regardless of format), LOINC® Release Notes, LOINC® Changes File, and LOINC® Users' Guide are copyright © 1995-2010, Regenstrief Institute, Inc. and the Logical Observation Identifiers Names and Codes (LOINC) Committee. All rights reserved.

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The LOINC® panels and forms file and the LOINC® hierarchies file (subject to the

Loading Local Terms : 50 of 105



Main Menu/Welcome Screen

RELMA

File Tools HIPAA Lab Auto Mapper Help

File->Set Preferred Language

Welcome to
RELMA®
the Regenstrief LOINC Mapping Assistant

Search LOINC

Propose New LOINC Term

Map Local Terms to LOINC

Panels, Forms, & Surveys

View/Add/Edit Local Terms

Import Local Terms

Report Local Terms

Export Local Terms

User Preferences Exit Program

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DJV-20110521 Welcome to RELMA, dvreeman-w7-64\dvreeman (DevKeys help: Ctrl+Alt+Shift-?) Version 5.3

Select Linguistic Variant(s)

Preferred Linguistic Variant

RELMA supports multiple linguistic variants which can be displayed in the search results screen. You may select below your preferred linguistic variant. You may change this setting later using this dialog or the user preferences dialog.

You may view all of the linguistic variants for a particular LOINC anytime using the LOINC details screen.

Additional information about linguistic variants, including full list of contributors and links to other translated materials is available at: <http://loinc.org/international>

NOTE - selecting a linguistic variant for searching may require the creation of one or more additional indexes. This process can take several minutes to complete, so please be patient. These indexes will need to be refreshed with each update to the LOINC data. Additionally, these index files will not be removed if RELMA is un-installed. You may safely delete these files at any time.

My preferred linguistic variant is...

Display	Search	Variant	Producer
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Chinese (CHINA)	Bethune International Peace Hospital
<input type="checkbox"/>		Draft Portuguese (BRAZIL)	Jussara Röttsch, MD, Brazilian Federal Agency for Health Plans and Insuranc...
<input type="checkbox"/>	<input type="checkbox"/>	Estonian (ESTONIA)	Estonian E-Health Foundation
<input type="checkbox"/>	<input type="checkbox"/>	French (CANADA)	Canada Health Infoway Inc.
<input type="checkbox"/>		French (FRANCE)	Société Française d'Informatique de Laboratoires
<input type="checkbox"/>		French (SWITZERLAND)	CUMUL, Switzerland
<input type="checkbox"/>	<input type="checkbox"/>	German (GERMANY)	Institute for Medical Documentation and Information (DIMDI)
<input type="checkbox"/>		German (SWITZERLAND)	CUMUL, Switzerland
<input type="checkbox"/>	<input type="checkbox"/>	Greek (GREECE)	Efstratia Kontaxi, MD, MSc, and Evripidis Stefanidis, MD, with technical supp...
<input type="checkbox"/>	<input type="checkbox"/>	Italian (ITALY)	Consiglio Nazionale delle Ricerche
<input type="checkbox"/>		Italian (SWITZERLAND)	CUMUL, Switzerland
<input type="checkbox"/>	<input type="checkbox"/>	Korean (KOREA, REPUBLIC OF)	Korean Ministry for Health, Welfare, and Family Affairs
<input type="checkbox"/>	<input type="checkbox"/>	Spanish (ARGENTINA)	Conceptum Medical Terminology Center
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Spanish (SPAIN)	The Clinical Laboratory Committee of SERVICIO EXTREMEÑO DE SALUD, with...
<input type="checkbox"/>		Spanish (SWITZERLAND)	CUMUL, Switzerland

OK Cancel

LOINC Terms with Spanish Linguistic Variant

Map Local Terms - CDC-Top110

File Tools HIPAA Lab Auto Mapper View Help

Search Mapping View All Working Set Terms Hierarchy & Search Limits Part Search

glucosa Search ?

Units of Measure: Common Orders Only Common Lab Results Only Auto Mapper Search: No

Ro	Score	LOINC	Component	Property	ExU...	ExU...	Rank	Class	
1	11.76...	25705-5	Cetonas^1H pos 50g de glucosa VO	Conce...				CHv	
2	11.76...	63371-9	Cetonas^1H pos dosis de glucosa	Conce...		tira		CHv	
3	11.76...	25706-3	Cetonas^2H pos dosis de glucosa VO	Conce...	Punto...	Orina	Qn	Prueba de tira mg/dL mg...	CHv
4	11.76...	63372-7	Cetonas^3H pos dosis de glucosa	Conce...	Punto...	Orina	Ord	Prueba de tira	CHv
5	11.76...	63373-5	Cetonas^4H pos dosis de glucosa	Conce...	Punto...	Orina	Ord	Prueba de tira	CHv
6	11.76...	25707-1	Cetonas^4H pos dosis de glucosa	Conce...	Punto...	Orina	Qn	Prueba de tira mg/dL mg...	CHv
7	8.3674	41898-8	Código vendedor aparato	Código...	Punto...	Aparato...	Nom		CHv
8	8.3674	58090-2	Comentario discusión al cribado de la...	Texto	Punto...	Punto de...	Narrati...		CHv
9	11.76...	58528-1	Corticotropina^1,5H pos 100g de glucosa	Conce...	Punto...	Plasma	Qn	pg/mL pg/...	CHv
10	11.76...	58529-9	Corticotropina^1,5H pos 100g de glucosa	Conce...	Punto...	Plasma	Qn	pmol/L pm...	CHv
11	11.76...	58556-2	Corticotropina^1H pos dosis de glucosa	Conce...	Punto...	Plasma	Qn	pg/mL pg/...	CHv
12	11.76...	58557-0	Corticotropina^1H pos dosis de glucosa	Conce...	Punto...	Plasma	Qn	pmol/L pm...	CHv
13	11.76...	58567-9	Corticotropina^2.5H pos dosis de glucosa	Conce...	Punto...	Plasma	Qn	pg/mL pg/...	CHv
14	11.76...	58568-7	Corticotropina^2.5H pos dosis de glucosa	Conce...	Punto...	Plasma	Qn	pmol/L pm...	CHv
15	11.76...	58574-5	Corticotropina^2H pos dosis de glucosa VO	Conce...	Punto...	Plasma	Qn	pg/mL pg/...	CHv
16	11.76...	58575-2	Corticotropina^2H pos dosis de glucosa VO	Conce...	Punto...	Plasma	Qn	pmol/L pm...	CHv
17	11.76...	58583-6	Corticotropina^30M pos dosis de glucosa	Conce...	Punto...	Plasma	Qn	pg/mL pg/...	CHv
18	11.76...	58584-4	Corticotropina^30M pos dosis de glucosa	Conce...	Punto...	Plasma	Qn	pmol/L pm...	CHv
19	11.76...	58596-8	Corticotropina^3H pos dosis de glucosa	Conce...	Punto...	Plasma	Qn	pg/mL pg/...	CHv

Units Specimen Methodless Common Labs Battery Max Words:

846 records found: 0.3s

All Spanish!

Setting User Preferences



User Preferences

Set User Preferences

The screenshot displays the RELMA software interface. The top window title is "RELMA" with standard Windows window controls. The menu bar includes "File", "Tools", "HIPAA", "Intelligent Mapper", and "Help". The "File" menu is open, listing various options such as "Search LOINC Database", "Map local terms to LOINC", "Select Local Term File to Process...", "View/Add/Edit Local Terms...", "Report Local Terms and Their LOINC Mappings...", "Export Local Terms and Their LOINC Mappings to Delimited File...", "View Local Term File Summary", "Review Panels, Forms & Surveys...", "Import Local Terms from Delimited File...", "Import Local Terms from HL7 File...", "Propose a new LOINC...", "Review and Submit Proposal...", "Set User Preferences...", "Set Preferred Language...", and "Exit".

Two callout boxes provide instructions:

- A blue callout box points to "Set User Preferences..." in the File menu with the text: "select User Preferences from the File Menu".
- A white callout box points to the "User Preferences" button at the bottom of the window with the text: "...or from Welcome Screen".

The main area of the window is titled "Mapping Assistant" and features several red buttons: "View HIPAA Attachment", "Panels, Forms, & Surveys", "Report Local Terms", and another "Report Local Terms" button. At the bottom, there are buttons for "User Preferences" and "Exit Program".

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LOINC Workshop OBR | Welcome to RELMA, NIH casejt | Version 5.0

Set User Preference Dialog

File locations:
(see prior slide for location)

RELMA User Preferences

General | Map Screen | Details Pages

Path to LOINC Database: C:\Users\Public\Documents\RELMA\RELMA.MDB Browse...

Path to Local Terms: C:\Users\Public\Documents\RELMA\LMOF_wSampleData.MDB Browse...

NOTE: You must restart RELMA for these changes to take effect.

When RELMA starts, it should

- Take me to the Welcome Screen
- Take me to the Mapping Screen
- Take me to the Simple Search Screen

startup screen preference

OK Cancel

User Map Screen Preferences

RELMA User Preferences

General | **Map Screen** | Details Pages

Pre-Search Options

- Auto Select Keyword
- Auto Wildcard Keywords (*)
- Use Local Battery Terms in Search

Post-Search Options

- Display Post-Search Statistics

Sort Search Results

- By...

Mapping & Linguistics

- Prompt for Comments When Mapping

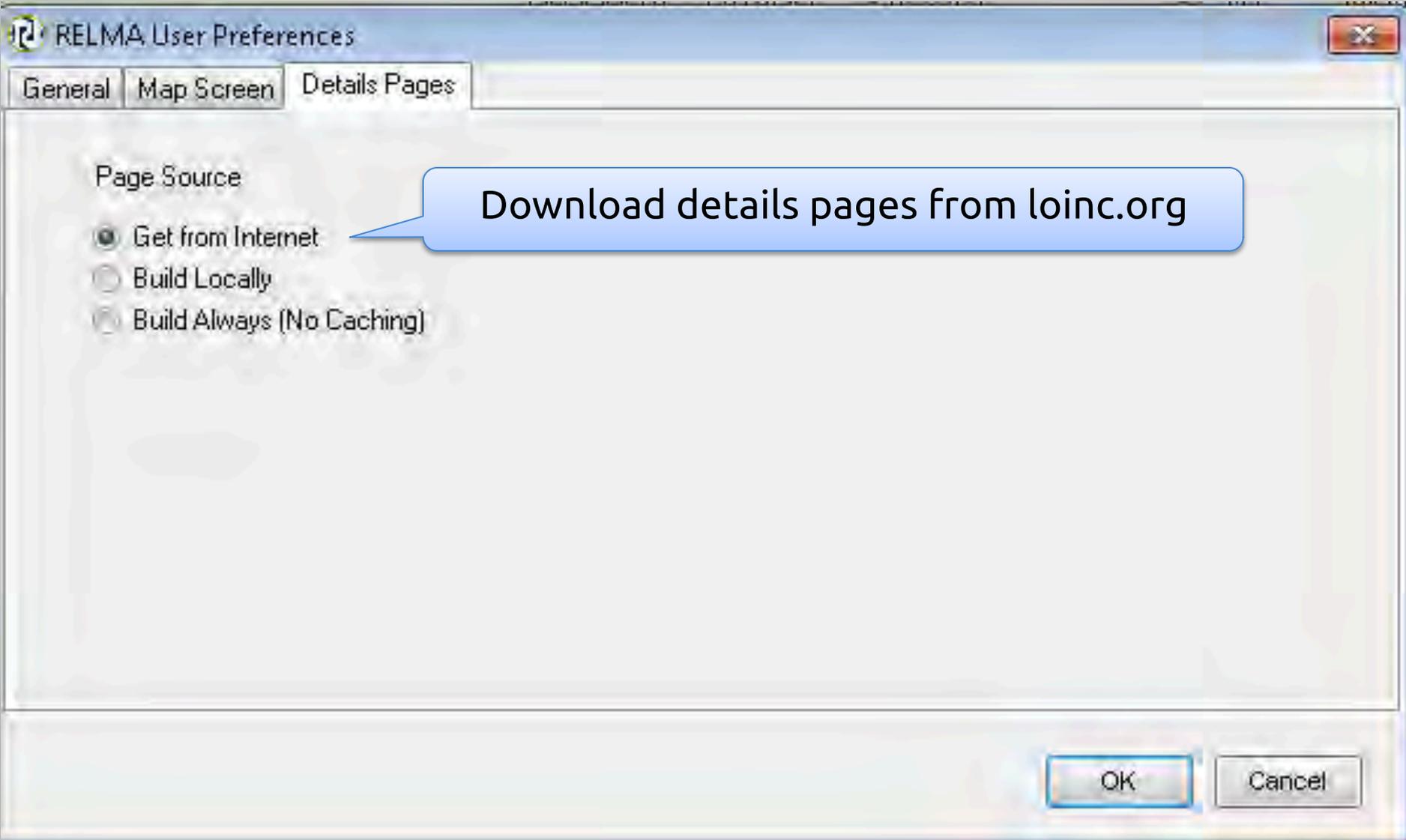
Current Linguistic Preference: Spanish (SPAIN), the Clinical Laboratory Committee of SERVI... Choose...

OK Cancel

Include/exclude battery terms

add comments on mappings

User Map Screen Preferences



Importing Local Terms into RELMA



Import Local Terms

4 Ways to Build LMOF

1. Hand enter **bad**
2. Make your own table **bad**
3. Import your test catalog from text file **good**
4. Import from real HL7 v2.x messages **best**

Make a Local Dataset

Extract from your test catalog

Battery code

Battery description or name

*Local code

*Test description or name

Include method if important

Units

Example values

Laboratory section

Make a Delimited Text File

Need separate fields

Use any delimiter

Fields in any order

Required fields (minimum):

Local Code

Local Description

Units *(highly recommended)*

Importing Local Terms

1. Start it up
2. Find local term file

```
C:\Documents and Settings\All Users\Documents\RELMA\Samples\
```

```
C:\Users\Public\Documents\RELMA\Samples\
```

3. Name your working set
4. Identify field delimiter in your file
5. Match your fields to LMOF attributes
6. Import!

Example Tab-Delimited File

File Edit Format View Help

312370	MIC	309651	Nafcillin		
312370	MIC	708007	Moxifloxacin		
665670	Basic Metabolic Panel		754689	Anion Gap	mmol/L
665670	Basic Metabolic Panel		755363	Creatinine SerPl QN	mg/dL
665670	Basic Metabolic Panel		755364	Sodium SerPl QN	mmol/L
665670	Basic Metabolic Panel		755365	Potassium SerPl QN	mmol/L
665670	Basic Metabolic Panel		755366	Chloride SerPl QN	mmol/L
665670	Basic Metabolic Panel		755367	Carbon Dioxide SerPl QN	mmol/L
665670	Basic Metabolic Panel		755368	Glucose SerPl QN	mg/dL
665670	Basic Metabolic Panel		755369	BUN SerPl QN	mg/dL
665670	Basic Metabolic Panel		755370	Calcium Total SerPl QN	mg/dL
667682	Factor VIII(8)-Assay	755177	Factor VIII-C Assay	%	
667685	Factor X(10) Assay	755179	Factor X Assay	%	
667688	Factor XI(11) Assay	755181	Factor XI Assay	%	
684308	ABO and Rh	810892	Anti-A		
684308	ABO and Rh	810893	Anti-B		
685703	Cooximetry Panel Bld QN		755435	Carboxyhemoglobin Bld QN	%
685703	Cooximetry Panel Bld QN		755474	Methemoglobin Bld QN	%
685703	Cooximetry Panel Bld QN		755475	Oxyhemoglobin Bld QN	%
685733	CRP SerPl QN	755479	C-Reactive Prot SerPl QN	mg/dL	
685796	Drug Scn SerPl QL	755372	Benzodiaz Scn SerPl QL		
685796	Drug Scn SerPl QL	755496	Tricyclic Antidepressants Scn SerPl QL		
685796	Drug Scn SerPl QL	755497	Salicylate SerPl QN	mg/dL	
685796	Drug Scn SerPl QL	755498	Ethanol Pl QN	mg/dL	
685849	Hgb A1C HPLC Bld QN		755572	Hemoglobin A1C HPLC Bld QN	%
685853	Hgb A1C POC	755573	"Hemoglobin A1C, POC"	%	
686283	PTH Intact Ser QN	755757	PTH Intact Ser QN	pg/mL	
693154	B Cell Subsets	755895	B Cells- IgG	%	
693154	B Cell Subsets	755896	B Cells- IgM	%	
693154	B Cell Subsets	755897	B Cells- IgD	%	
693154	B Cell Subsets	755898	B Cells- IgA	%	
693154	B Cell Subsets	755906	Flow Cytometry Interpretation		
693154	B Cell Subsets	2773454	B Cell Subset		
693154	B Cell Subsets	7124661	Flow Cytometry ASR Comment		

Importing Local Files

The screenshot displays the RELMA software interface. The 'File' menu is open, showing options such as 'Search LOINC Database', 'Map local terms to LOINC', 'Select Local Term File to Process...', 'View/Add/Edit Local Terms...', 'Report Local Terms...', 'Export Local Terms...', 'View Local Terms...', 'Review Panels, Forms and Reports...', 'Import Local Terms from Delimited File...', 'Import Local Terms from HL7 File...', 'Propose a new LOINC...', 'Review and Submit Proposed LOINC...', 'Set User Preferences...', 'Set Preferred Language...', and 'Exit'. A blue callout box points to the 'Import Local Terms from Delimited File...' option with the text 'select "Import Local Terms from Delimited File"'. The 'Mapping Assistant' dialog is also visible, featuring a title bar and several buttons: 'View HIPAA Attachment', 'Import Local Terms', and 'Export Local Terms'. A blue callout box points to the 'Import Local Terms' button with the text 'or just click here'. At the bottom of the dialog, there are buttons for 'User Preferences' and 'Exit Program'. The footer of the window contains the text 'Copyright © 1995-2010 Regenstrief Institute. All rights reserved.', 'LOINC Workshop OBR', 'Welcome to RELMA, NIH casejt', and 'Version 5.0'.

RELMA

File Tools HIPAA Intelligent Mapper Help

Search LOINC Database

Map local terms to LOINC

Select Local Term File to Process...

View/Add/Edit Local Terms...

Report Local Terms...

Export Local Terms...

View Local Terms...

Review Panels, Forms and Reports...

Import Local Terms from Delimited File...

Import Local Terms from HL7 File...

Propose a new LOINC...

Review and Submit Proposed LOINC...

Set User Preferences...

Set Preferred Language...

Exit

Mapping Assistant

View HIPAA Attachment

Import Local Terms

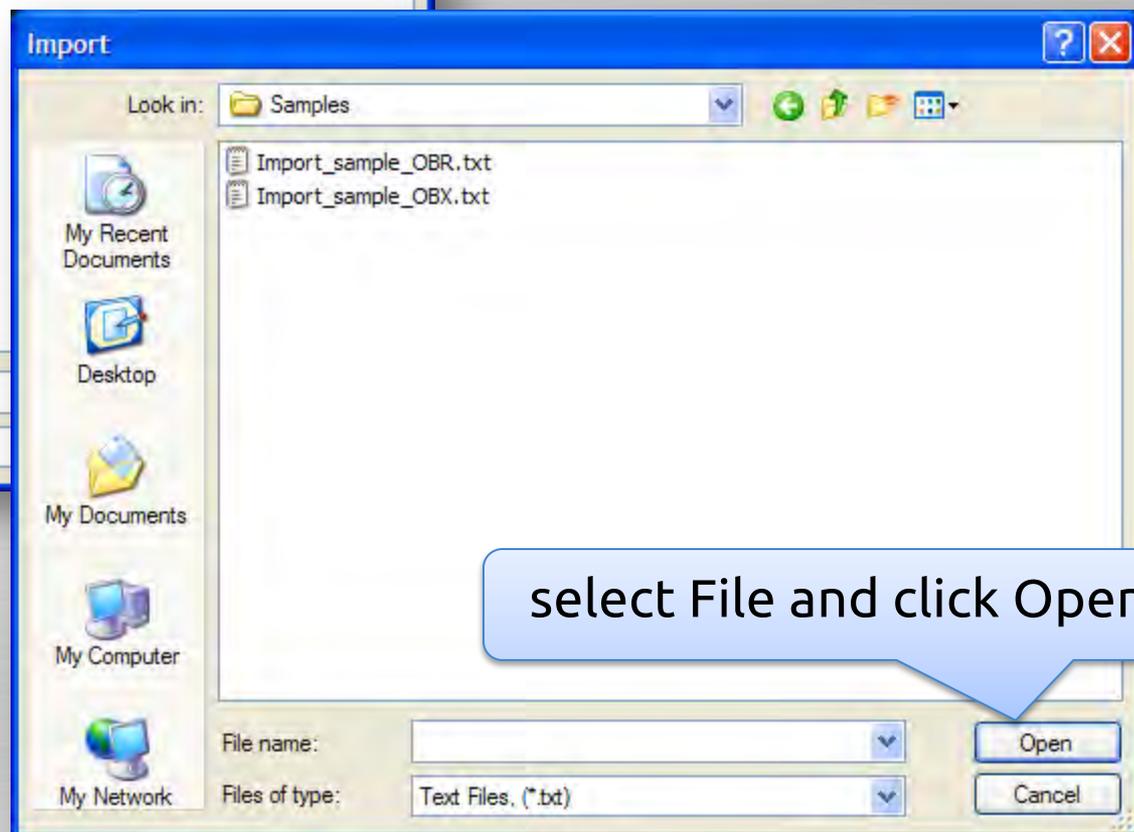
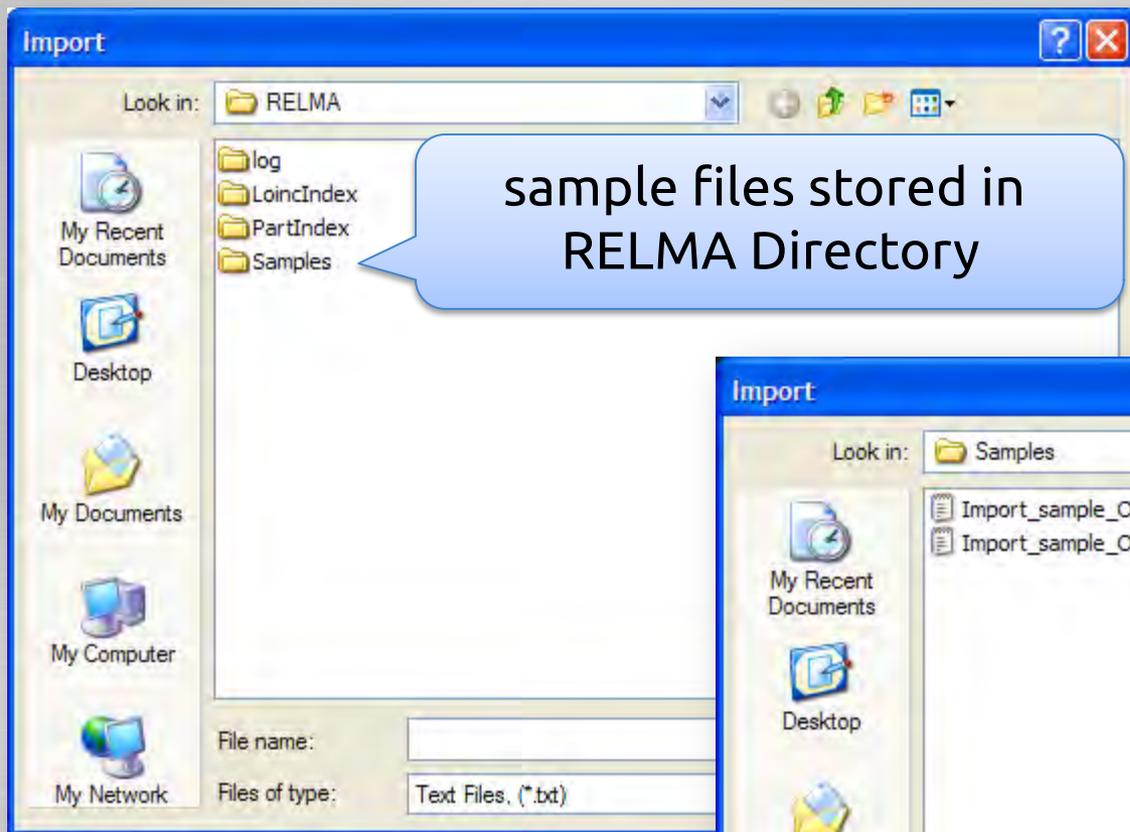
Export Local Terms

User Preferences Exit Program

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LOINC Workshop OBR Welcome to RELMA, NIH casejt Version 5.0

Navigate to File Location



Open File in RELMA

Give it a name
(RELMA allows multiple sets in one LMOF database)

select your delimiter

Import button

	#1			
				Ignore Field
1	312370	MIC	309651	Nafcillin
2	312370	MIC	708007	Moxifloxacin
3	665670	BasicMetabolicPanel	754689	Anion Gap mmol/L
4	665670	BasicMetabolicPanel	755363	Creatinine SerPI QN mg/dL
5	665670	BasicMetabolicPanel	755364	Sodium SerPI QN mmol/L
6	665670	BasicMetabolicPanel	755365	Potassium SerPI QN mmol/L
7	665670	BasicMetabolicPanel	755366	Chloride SerPI QN mmol/L
8	665670	BasicMetabolicPanel	755367	Carbon Dioxide SerPI QN mmol/L
9	665670	BasicMetabolicPanel	755368	Glucose SerPI QN mg/dL
10	665670	BasicMetabolicPanel	755369	BUN SerPI QN mg/dL
11	665670	BasicMetabolicPanel	755370	Calcium Total SerPI QN mg/dL
12	667682	Factor VIII(8)-Assay	755177	Factor VIII-C Assay %
13	667685	Factor X(10) Assay	755179	Factor X Assay %
14	667688	Factor XI(11) Assay	755181	Factor XI Assay %
15	684308	ABO and Rh	810892	Anti-A
16	684308	ABO and Rh	810893	Anti-B

C:\Documents and Settings\All Users\Documents\RELMA\Samples\Import_sample_OBR.txt

Open File in RELMA

Import Local Terms from Delimited File

Name of Local Term File:

Default Lab Section: You may create a new lab section by typing a name in the box.

Choose the delimiter that separates your fields

Tab Semicolon Comma Space Other:

First Row Contains Column Headers Text Qualifier:

To assign a column of data to one of the fields, click on the second header row of the grid, click on the arrow to the right of the drop down list, and select the field into which you desire your data to be imported. TestCode and Test Description are required fields.

#1	Ignore Field				
1	312370	MIC			
2	312370	MIC			
3	665670	Basic M			
4	665670	Basic M			
5	665670	Basic M			
6	665670	Basic Metabolic Panel	755365	Potassium	mmol/L
7	665670	Basic Metabolic Panel	755366	Chloride	mmol/L
8	665670	Basic Metabolic Panel	755367	Calcium	mmol/L
9	665670	Basic Metabolic Panel	755368	Glucose SerPl QN	mg/dL
10	665670	Basic Metabolic Panel	755369	BUN SerPl QN	mg/dL
11	665670	Basic Metabolic Panel	755370	Calcium Total SerPl QN	mg/dL
12	667682	Factor VIII(8)-Assay	755177	Factor VIII-C Assay	%
13	667685	Factor X(10) Assay	755179	Factor X Assay	%
14	667688	Factor XI(11) Assay	755181	Factor XI Assay	%
15	684308	ABO and Rh	810892	Anti-A	

Case-sensitive Import

C:\Documents and Settings\All Users\Documents\RELMA\Samples\Import_sample_OBR.txt

Need Import Information

You still need to enter the test code and test description before RELMA can import your data.

oh no!

Match Your Fields

Import Local Terms from Delimited File

Name of Local Term File:

Default Lab Section: You may create a new lab section by typing a name in the box.

Choose the delimiter that separates your fields

Tab Semicolon Comma Space Other:

First Row Contains Column Headers Text Qualifier

Second header row of the grid, click on the arrow to the left to indicate you do not desire your data to be imported. TestCode and Test

	#2	#3	#4	#5
Ignore Field	Ignore Field	Ignore Field	Ignore Field	Ignore Field
1	312370 MIC	309651 Nafcillin		
2	312370 MIC	708007 Moxifloxacin		
3	665670 Basic Metabolic Panel	754689 Anion Gap		mmol/L
4	665670 Basic Metabolic Panel	755363 Creatinine SerPl QN		mg/dL
5	665670 Basic Metabolic Panel	755364 Sodium SerPl QN		mmol/L
6	665670 Basic Metabolic Panel	755365 Potassium SerPl QN		mmol/L
7	665670 Basic Metabolic Panel	755366 Chloride SerPl QN		mmol/L
8	665670 Basic Metabolic Panel	755367 Carbon Dioxide SerPl QN		mmol/L
9	665670 Basic Metabolic Panel	755368 Glucose SerPl QN		mg/dL
10	665670 Basic Metabolic Panel	755369 BUN SerPl QN		mg/dL
11	665670 Basic Metabolic Panel	755370 Calcium Total SerPl QN		mg/dL
12	667682 Factor VIII(8)-Assay	755177 Factor VIII-C Assay		%
13	667685 Factor X(10) Assay	755179 Factor X Assay		%
14	667688 Factor XI(11) Assay	755181 Factor XI Assay		%
15	684308 ABO and Rh	810892 Anti-A		
16	684308 ABO and Rh	810892 Anti-B		

Case-sensitive Import

C:\Documents and Settings\All Users\Documents\RELMA\Samples\Import_sample_OBR.txt

assign LMOF attribute

Match Your Fields

Import Local Terms from Delimited File

Name of Local Term File:

Default Lab Section: You may create a new lab section by typing a name in the box.

Choose the delimiter that separates your fields

Tab Semicolon Comma Space Other:

First Row Contains Column Headers Text Qualifier:

To assign a column of data to one of the fields, click on the second header row of the grid, click on the arrow to the right of the drop down list, and select the field into which you desire your data to be imported. Test Code and Test Description are required fields.

	#1	#2	#3	#4	#5
	Ignore Field	Ignore Field	Ignore Field	Ignore Field	Ignore Field
1	Ignore Field		309651 Nafcilin		
2	Battery Code				
3	Battery Description	olic Panel			mmol/L
4	Battery Code System	olic Panel	755363 Creatinine SerPl QN		mg/dL
5	Test Code	olic Panel	755364 Sodium SerPl QN		mmol/L
6	Test Description	olic Panel	755365 Potassium SerPl QN		mmol/L
7	665670 Basic Metabolic Panel		755366 Chloride SerPl QN		mmol/L
8	665670 Basic Metabolic Panel		755367 Carbon Dioxide SerPl QN		mmol/L
9	665670 Basic Metabolic Panel		755368 Glucose SerPl QN		mg/dL
10	665670 Basic Metabolic Panel		755369 BUN SerPl QN		mg/dL
11	665670 Basic Metabolic Panel		755370 Calcium Total SerPl QN		mg/dL
12	667682 Factor VIII(8)-Assay		755177 Factor VIII-C Assay		%
13	667685 Factor X(10) Assay		755179 Factor X Assay		%
14	667688 Factor XI(11) Assay		755181 Factor XI Assay		%
15	684308 ABO and Rh		810892 Anti-A		

choose field name

Case-sensitive Import

C:\Documents and Settings\All Users\Documents\RELMA\Samples\Import_sample_OBR.txt

Now You're Ready!

Import Local Terms from Delimited File

Name of Local Term File: **LOINC Workshop OBR**

Default Lab Section: You may create a new lab section by typing a name in the box.

Choose the delimiter that separates your fields: Tab Comma Semicolon Space Other:

First Row Contains Column Headers Text Qualifier:

To assign a column of data to one of the fields, click on the header row of the grid, click on the arrow to the right of the drop down list, and select the field into which you want your data to be imported. Test Code and Test Description are required fields.

	#1	#2	#3	#4	#5
	Battery Code	Battery Description	Test Code	Test Description	Units
1	312370	MIC	309651	Nafcillin	
2	312370	MIC	708007	Moxifloxacin	
3	665670	Basic Metabolic Panel	754689	Anion Gap	mmol/L
4	665670	Basic Metabolic Panel	755363	Creatinine SerPl QN	mg/dL
5	665670	Basic Metabolic Panel	755364	Sodium SerPl QN	mmol/L
6	665670	Basic Metabolic Panel	755365	Potassium SerPl QN	mmol/L
7	665670	Basic Metabolic Panel	755366	Chloride SerPl QN	mmol/L
8	665670	Basic Metabolic Panel	755367	Carbon Dioxide SerPl QN	mmol/L
9	665670	Basic Metabolic Panel	755368	Glucose SerPl QN	mg/dL
10	665670	Basic Metabolic Panel	755369	BUN SerPl QN	mg/dL
11	665670	Basic Metabolic Panel	755370	Calcium Total SerPl QN	mg/dL
12	667682	Factor VIII(8)-Assay	755177	Factor VIII-C Assay	%
13	667685	Factor X(10) Assay	755179	Factor X Assay	%
14	667688	Factor XI(11) Assay	755181	Factor XI Assay	%
15	684308	ABO and Rh	810892	Anti-A	

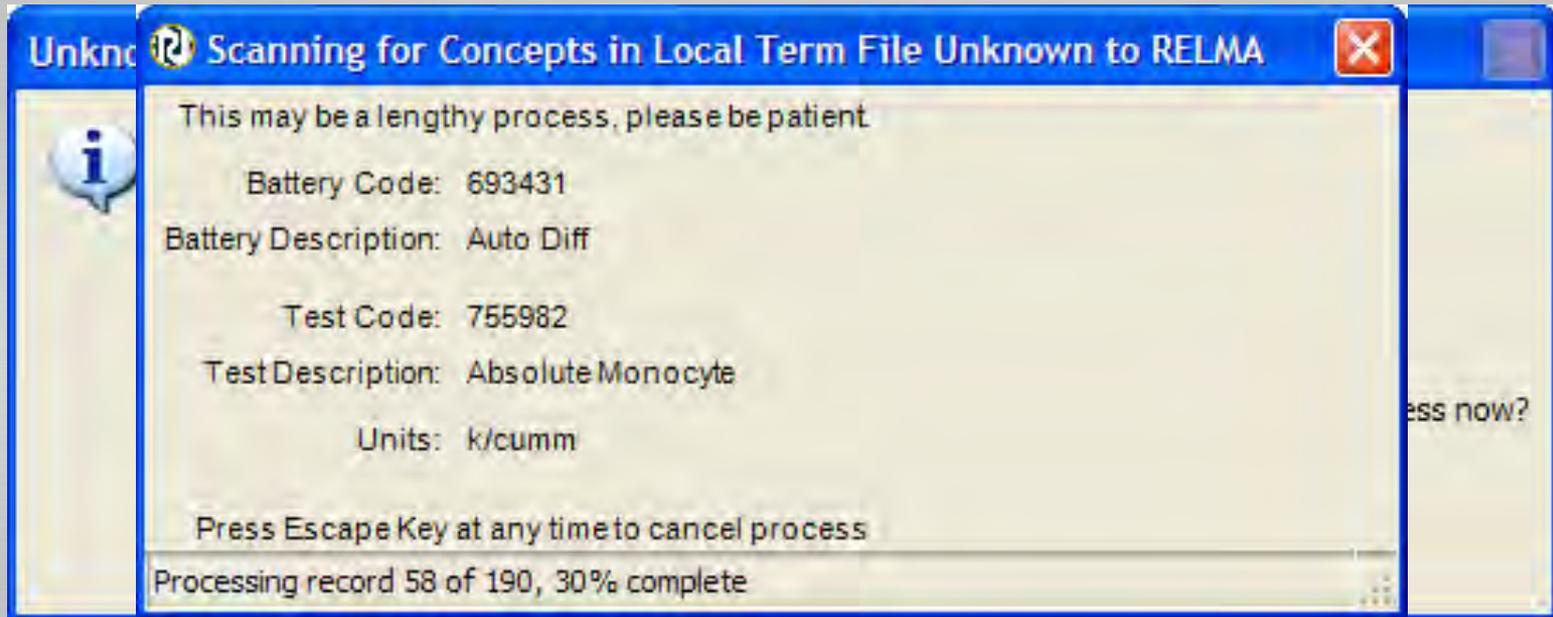
Case-sensitive Import

Do It!

Import Terms Exit

C:\Documents and Settings\All Users\Documents\RELMA\Samples\Import_sample_OBR.txt

After import, RELMA will search for words it does not recognize



Stay tuned for what's next...

Alternate Import (best)

Nothing closer to the truth than real data

Big Pile of HL7 Messages

RELMA parses into dataset

OBR ID

OBR description

OBX ID

OBX description

Sample results:

*actual values, units, abnormal flags,
normal ranges*

Generate Local term file from HL7 messages

The screenshot displays the RELMA software interface. The 'File' menu is open, showing options such as 'Search LOINC Database', 'Map local terms to LOINC', and 'Import Local Terms from HL7 File...'. A blue callout box highlights the 'Import Local Terms from HL7 File...' option with the text 'select Import Terms from HL7 File'. To the right, the 'Mapping Assistant' panel features several red buttons: 'View HIPAA Attachment', 'Panels, Forms, & Surveys', 'Import Local Terms', and 'Export Local Terms'. At the bottom, there are buttons for 'User Preferences' and 'Exit Program'. The footer contains the text 'Copyright © 1995-2010 Regenstrief Institute. All rights reserved.', 'LOINC Workshop OBR', 'Welcome to RELMA, NIH/casejt', and 'Version 5.0'.

RELMA

File Tools HIPAA Intelligent Mapper Help

Search LOINC Database
Map local terms to LOINC

Select Local Term File to Process...
View/Add/Edit Local Terms...
Report Local Terms and Their LOINC Mappings...
Export Local Terms to File...
View Local Terms
Review Pa...
Import Local Terms from Selected File...
Import Local Terms from HL7 File...
Propose a new LOINC...
Review and Submit Proposed LOINCs...
Set User Preferences...
Set Preferred Language...
Exit

select Import Terms from
HL7 File

Mapping Assistant

View HIPAA Attachment

Panels, Forms, & Surveys

Import Local Terms

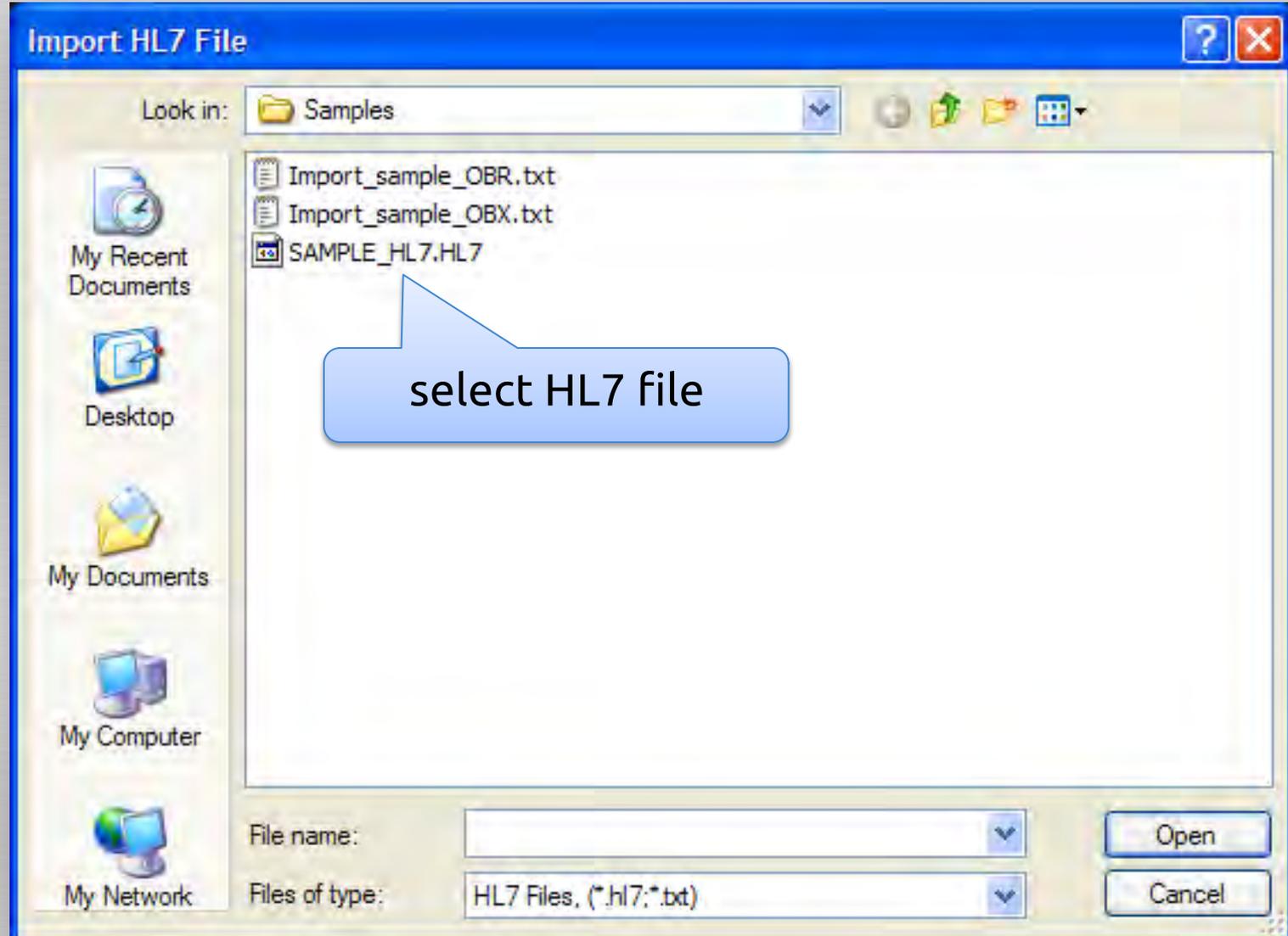
Export Local Terms

User Preferences Exit Program

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Select File to Import



Specify HL7 File Name and Sample Size

The screenshot shows a dialog box titled "Import Local Term File from HL7". It contains several input fields and options:

- Path to HL7 File:** C:\Documents and Settings\All U...
- Name of Local Term File:** LOINC Workshop OBR HL7
- Default Lab Section:** (empty dropdown)
- Import Local Terms from:** Primary Codes Only (Defa), Both Primary and Alternat, Alternate Codes Only
- Sample Values to Store:** # of Most Frequent, # of Highest (numeric), # of Lowest (numeric)

Callouts provide instructions for these fields:

- "name the local term file (working set)" points to the "Name of Local Term File" field.
- "select which codes to store" points to the "Import Local Terms from" radio buttons.
- "select the number of sample values" points to the "Sample Values to Store" input fields.

At the bottom, there are buttons for "Stop", "Import Terms", and "Exit".

name the local term file (working set)

select which codes to store

select the number of sample values

HL7 Messages Data Statistics

Import Local Term File from HL7

Path to HL7 File:

Name of Local Term File:

Default Lab Section: You may create a new lab section by typing a name in the box.

Import Local Terms from:

- Primary Codes Only (Default)
- Both Primary and Alternate Codes
- Alternate Codes Only

Sample Values to Store

- Skip Import Process
- # of Most Frequent:
- # of Highest (numeric):
- # of Lowest (numeric):

HL7 Message Filter:

Post Processing Progress: 

Statistics	Value
Number of Messages	195
Number of OBR Segments	195
Number of OBX Segments	1,217
Number of NTE Segments	24
Msgs / Sec	5
Total Time	00:00:36
Estimated Time till Completion	00:00:00
File Size	157,491

Unknown Concept Scan

The import process has imported 283 terms.

RELMA needs to inspect the LOINC Workshop OBR file. Can RELMA initiate the process now?

Your turn!

Import Local Terms
(or sample OBX file)





Cleaning Your Data

A little time upfront saves more later

Prep Your Data for Mapping

Improve mapping success

- Expand abbreviations

- Ignore “administrative” words

- Standardize idiosyncratic words

- Standardize time references

RELMA can help

RELMA Cleaning Tools

The screenshot displays the RELMA software interface. At the top, the title bar reads "RELMA" and the menu bar includes "File", "Tools", "HIPAA", "Intelligent Mapper", and "Help". The "Tools" menu is open, listing several options: "Define Default Specimens for Local Lab Sections...", "Define Word Substitutions for Local Term Vocabulary...", "Check the Test Names in Local Term Submission...", "Check the Units in Local Term Submission...", "Find Local Terms Mapped to Deprecated/Discouraged LOINC...", and "Context Specific Hierarchies...". A blue callout bubble points to the "Check the Test Names in Local Term Submission..." option, containing the text "use this tool to edit unknown terms".

Below the menu, there are several red buttons with icons and text:

- View HIPAA Attachment
- Map Local Terms to LOINC
- Panels, Forms, & Surveys
- View/Add/Edit Local Terms
- Import Local Terms
- Report Local Terms
- Export Local Terms

At the bottom, there are two buttons: "User Preferences" (with a gear icon) and "Exit Program" (with a power icon).

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Review Unknown Local Terms

Revise Unknown Local Term Concepts

Match RELMA Concepts to Unknown Words

Local Term Information

ID	Battery	Battery Description	Test	Test Description	Units	Lab Section
1011	693431	Auto Diff	755976	Lymphocytes %	%	
1012	693431	Auto Diff	755977	Monocytes %	%	
1013	693431	Auto Diff	755978	Eosinophils %	%	
1014	693431	Auto Diff	755979	Basophils %	%	
1423	27883	RXL BATTERY	15598	CK MB % Tot	%	
1370	16813	LYMPHOMAJ FLIK IMMUNO	13789	CD2 T Cells %	%	

If the word or unit is an abbreviation, acronym or truncation of a larger word or phrase, please type in a fully spelled out version of the concept. If the word or phrase is already spelled out, see if there is an equivalent in the list of options.

Unknown Word: %

Enter Your Word:

Known Words:

- %
- %'
- a
- b
- c
- d
- e
- f
- g

Buttons: Replace Everywhere, Replace for Lab Section, Replace for Term, Scan For Unknown Concepts, Print Concepts Not in LOINC, Exit

Navigation: First, Previous, Next, Last

Status: Item 1 of 52 unknown words | LOINC Workshop OBR

may re-scan file for unknown terms

Replace Local Terms

 Revise Unknown Local Term Concepts 

Match RELMA Concepts to Unknown Words

Local Term Information

ID	Battery	Battery Description	Test	Test Description	Units	Lab Section
1069	768328	Allergen Helminthospr IgG	963253	Allergen Helminthospr IgG		
1068	768328	Allergen Helminthospr IgG	772546	Allergen Helminthosporium spp IgG		

If the word or unit is an abbreviation, acronym or truncation of a larger word or phrase, please enter the full word or phrase in the options.

Unknown Word: **HELMINTHOSPR**

Enter Your Word:

Known Words:

- HELMET
- HELMINTH
- HELMINTHOSPORIUM**
- HELMINTHS

replacement options

Replace Everywhere
Replace for Lab Section

Replace for Term

Ignore Everywhere
Ignore for Lab Section

Ignore for Term

Scan For Unknown Concepts

Print Concepts Not in LOINC

Exit

First Previous Next Last

Item 17 of 52 unknown words LOINC Workshop OBR

RELMA Cleaning Tools

The screenshot displays the RELMA software interface. At the top, the title bar reads "RELMA" and the menu bar includes "File", "Tools", "HIPAA", "Intelligent Mapper", and "Help". The "Tools" menu is open, listing several options: "Define Default Specimens for Local Lab Sections...", "Define Word Substitutions for Local Term Vocabulary...", "Check the Test Names in Local Term Submission...", "Check the Units in Local Term Submission...", "Find Local Terms Mapped to Deprecated/Discouraged LOINC...", and "Context Specific Hierarchies...". A blue callout bubble points to the "Define Word Substitutions..." option with the text "use this tool to make global substitutions".

Below the menu, the main workspace contains several red buttons with white text and icons:

- Map Local Terms to LOINC** (magnifying glass icon)
- View/Add/Edit Local Terms** (notepad icon)
- Report Local Terms** (printer icon)
- View HIPAA Attachment** (envelope icon)
- Panels, Forms, & Surveys** (notepad with checkmark icon)
- Import Local Terms** (folder with green arrow icon)
- Export Local Terms** (folder with green arrow icon)

At the bottom of the workspace, there are two buttons: **User Preferences** (document icon) and **Exit Program** (power icon).

The footer of the window contains the following text:

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Term Substitution

 Define Word Substitutions for Local Term Vocabulary

Local Word
TOTL

Local Translation
TOTAL

RELMA's Suggestions
TOTAL
TOTALS

Options
 Ignore Local Word

Limit to Local Term File

Add New Save Delete Exit

save this global substitution for only this working set

Clean Up!

Take some time to
clean up your
sample file



Reviewing your Local Terms

Change Local Term File

The screenshot shows the RELMA software interface. The 'File' menu is open, and the 'Select Local Term File to Process...' option is highlighted. A callout box points to this option with the text 'Select the Working Set'. Below the menu, a dialog box titled 'Select Local Term File to Process' is displayed. The dialog box contains a table with the following data:

Term File Name	# of Terms	#Mapped	#Unmapped	% Mapped
LOINC Workshop OBR	190	0	190	0
SAMPLE	105	6	99	6

The dialog box also includes 'OK' and 'Cancel' buttons at the bottom. The main window shows the 'File' menu with options: Search LOINC Database, Map local terms to LOINC, Select Local Term File to Process..., View/Add/Edit Local Terms..., Report, Export, View, Review, Import, Import, Propose, Review, Set U, Set P, and Exit. The status bar at the bottom displays 'LOINC Workshop OBR', 'Welcome to RELMA, NIH/casejt', and 'Version 5.0'. Copyright information is visible at the bottom center: 'Copyright © 1995-2010 Regenstrief Institute. All rights reserved.'

Manual Enter/Edit

The screenshot displays the RELMA software interface. The title bar reads "RELMA" and includes standard window controls. The menu bar contains "File", "Tools", "HIPAA", "Intelligent Mapper", and "Help". The "File" menu is open, listing various options such as "Search LOINC Database", "Map local terms to LOINC", "Select Local Term File to Process...", "View/Add/Edit Local Terms...", "Report Local Terms and Their LOINC Mappings...", "Export Local Terms and Their LOINC Mappings to Delimited File...", "View Local Term File Summary", "Review Panels, Forms & Surveys...", "Import Local Terms from Delimited File...", "Import Local Terms from HL7 File...", "Propose a new LOINC...", "Review and Submit Proposed LOINCs...", "Set User Preferences...", "Set Preferred Language...", and "Exit". A blue callout bubble points to the "View/Add/Edit Local Terms..." menu item, containing the text "View/Add/Edit Local Terms".

On the right side of the interface, there are four red buttons with white text and icons:

- View HIPAA Attachment
- Panels, Forms, & Surveys
- Import Local Terms
- Export Local Terms

At the bottom of the interface, there are two buttons: "User Preferences" (with a document icon) and "Exit Program" (with a power button icon). The footer contains the text "Copyright © 1995-2010 Regenstrief Institute. All rights reserved." and a status bar with "LOINC Workshop OBR", "Welcome to RELMA, NIH casejit", and "Version 5.0".

Local Term Screen

The screenshot shows the 'Map Local Terms - SAMPLE' application window. The interface includes a menu bar (File, Tools, HIPAA, Intelligent Mapper, View, Help), a toolbar with buttons for 'Edit Term in Local Term File', 'Add New Term to Local Term File', 'Delete Term from Local Term File', and 'Export Local Term File'. Below the toolbar is a search input field labeled 'Enter words to find:'. The main area is a table with columns: Row, Battery..., Codesystem, Test Code, Test Description, System, Units, LOINC, Order, # Pat, # Obs, and Recent. The table contains 23 rows of data. At the bottom, there are two text input fields: 'Truncated Text' and 'Print Preview'. The status bar at the bottom left shows 'Entry #: 1 of 105' and the bottom right shows '3275 records found: 0.55s'.

Search Terms by Keyword

**Edit\Add\Delete Terms
Export Terms**

Text alignment option

Print Preview List

Row	Battery...	Codesystem	Test Code	Test Description	System	Units	LOINC	Order	# Pat	# Obs	Recent
4	BGART	BLD GASART...	PH								
5	AFBCL	ACID FAST CULT	CULT								
6	BLDAFB	ACID FAST...	CULT	CULTURE							
7	ANAC	ANAEROBIC...	CULT	CULTURE							
8	BLC	BLOOD...	CULT	CULTURE							
9	THC	THROAT...	CULT	CULTURE							
10	ZZ01	SUSCEPTIBILITY	AK	AMIKACIN							
11	ZZ01	SUSCEPTIBILITY	AMC	AMOXICILLIN/...							
12	ZZ01	SUSCEPTIBILITY	AZM	AZITHROMYCIN							
13	ZZ01	SUSCEPTIBILITY	MTYP	METHOD							
14			PURKRS	PURKINEE..							
15			UDSBG	BENZOYLEC							
16	CTFLD	CELL COUNT BF	COLB	BODYFLD-...							
17			UDST	TCA							
18	CTFLD	CELL COUNT BF	APPRB	BODYFLD-APPR							
19			UDSB	BZDP							
20	ZZ01	S									
21	CBCDF	C				%					
22	CBCDF	C				%					
23	BGART	BLD GASART...	02S	02...		%					

Truncated Text

Print Preview

Entry #: 1 of 105

3275 records found: 0.55s

Local Term Screen

Map Local Terms - LOINC Workshop OBR

File Tools HIPAA Intelligent Mapper View Help

Search Mapping View All Working Set Terms Hierarchy & Search Limits Part Search

Edit Term in Local Term File Add New Term to Local Term File Delete Term from Local Term File Export Local Term File

Enter words to find:

click on "Edit Term" to see sample data

Row	Code	Description	Code system	Units	LOINC	Order	# Pat	# Obs	Recent
251			GE..	L	EU/DL...				12/5/20
252				L	(12/5/20
253				L	#/HPF				12/5/20
254	1210	ROUTINE...	26691	WBC:UA	L	#/HPF			12/5/20
255	1210	ROUTINE...	1222	BACTERIA-UA	L	(12/5/20
256	1210	ROUTINE...	26685	Squamous Epi...	L	#/HPF			12/5/20
257	1210	ROUTINE...	1231	AMORPHOUS...	L				12/6/20
258	1804	CULTURE...	4839	PREDOM ORG	LCR				12/1/20
259	1804	CULTURE...	4840	ORG 2	LCR				12/1/20
260	1804	CULTURE...	4841	ORG 3	LCR				12/1/20
261	1804	CULTURE...	4842	ORG 4	LCR				12/1/20
262	4816	FUNGAL AB...	4817	HISTOPLSM SCN	L				12/4/20
263	4816	FUNGAL AB...	4818	BLASTOMYCIN...	L				12/4/20
264	4816	FUNGAL AB...	4819	COCCIDIO SCN	L				12/4/20
265	4816	FUNGAL AB...	4820	ASPERGIL SCN	L				12/4/20
266	5381	CARBOXYHEM...	5381	CARBOXYHEM...	L	% SAT			12/6/20
267	5605	ACA PANEL 2	4720	AMMONIA	L	mcmol/L			12/6/20
268	5635	BLOOD GAS...	6131	PH BLD	L				12/5/20
269	5635	BLOOD GAS...	6139	PCO2	L	mm Hg			12/5/20
270	5635	BLOOD GAS...	6140	PO2	L	mm Hg			12/5/20
271	5635	BLOOD GAS...	5870	BASE EXCESS...	L	mmol/L			12/5/20
272	5635	BLOOD GAS...	6136	BICAR(HCO3)...	L	mmol/L			12/5/20
273	5635	BI OOD GAS	6141	CO2 TOTAL	I	mmol/l			12/5/20

Truncated Text Print Preview

Entry #: 1 of 473 Multi-axial search tree load time: 10.24s

Sample Results for Observation

Edit Local Term from LOINC Workshop OBR

Local Term

Local Term File: LOINC Workshop OBR
Lab Section:
Battery Code: 5635
Battery Name: BLOOD GAS PANEL
Battery Code System:
Test Code: 6131
Test Name: PH BLD
Test Code S
Con

Mapped To:
Institution:
Units:
Obs:
Patients:
Min Value:
Max Value:
Avg Value:
Earliest Obs: 12/5/2004
Latest Obs: 12/5/2004

Sample values from HL7 messages

Sample Data:

Row	Count	Sample Value	Units	Abnormal Flag	Normal Range	OBR Note	OBX Note
1	1	7.440		H	7.380-7.42		
2	2	7.060		LL	7.380-7.42	, Results Checked	
3	1	7.410			7.380-7.42		
4	1	7.500		H	7.380-7.42		
5	1	7.340		L	7.380-7.42		

Truncated Text

Print Preview

Save Cancel

Search Local Term File

Map Local Terms - LOINC Workshop OBR

File Tools HIPAA Intelligent Mapper View Help

Search Mapping View All Working Set Terms Hierarchy & Search Limits Part Search

Edit Term in Local Term File Add New Term to Local Term File Delete Term from Local Term File Export Local Term File

Enter words to find:

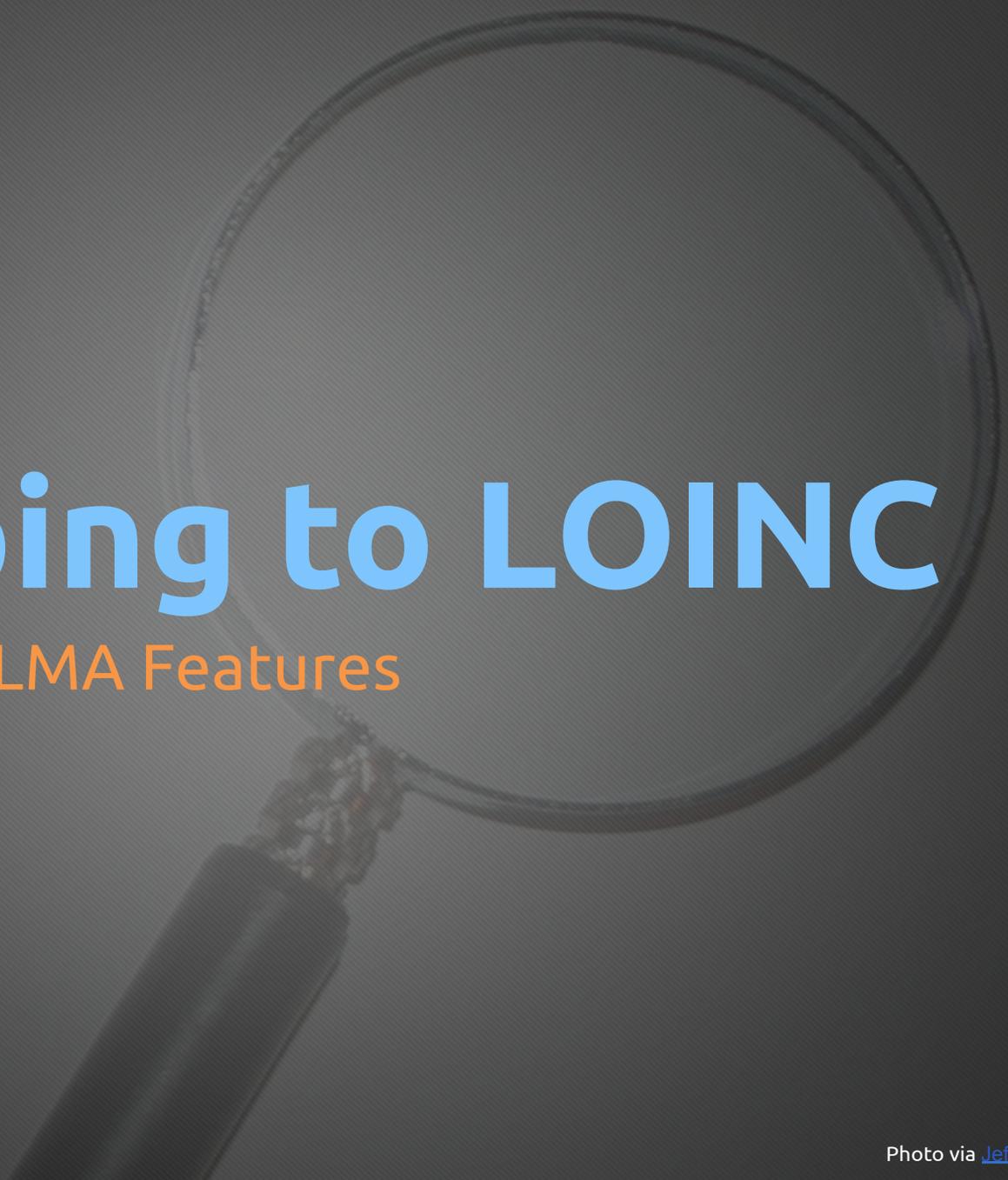
Calcium

Row	Battery Code	Battery Description	Codesystem	Test Code	Test Description	Codesystem	Units	LOINC	Order	# Pat	# Obs	Recent Ob
11	665670	Basic Metabolic Panel		755370	Calcium Total SerPl QN		mg/dL					
134	795511	PTH C-Terminal Ser QN		814195	Calcium Ser QN		mg/dL					

Return to full list

Truncated Text Return to Local Term File Find Local Term in File Print Preview

Entry #: 1 of 190 3527 records found: 0.5s



Mapping to LOINC

Advanced RELMA Features



More on Searching and Grids

Tips and Tricks

Wildcards

“*” replaces any number of characters

Gluc*

*cose

Glu*se

“?” replaces a single character

Glucos?

?lucose

Gluc?se

Search Qualifiers

Detailed help available

Map Local Terms - CDC-Top110

File Tools HIPAA Lab Auto Mapper View Help

Search Mapping View All Working Set Terms Hierarchy & Search Limits Part Search

gluc*se

Search

Units of Measure: Common Orders Only Common Lab Results Only

Auto Mapper Search: No

Grid Tree

Ro	Score	LOINC	Component	Property	Timing	System	Scale	Method	ExU...	ExU...	Rank	Class
1	1.4151	21064-1	Acid alpha glucosidase	CCnc	Pt	Amnio fld	Qn					CHE
2	1.4151	55827-0	Acid alpha glucosidase	CCnc	Pt	Bld.dot	Qn		umol...	um...		CHE
3	1.4151	24050-7	Acid alpha glucosidase	CCnt	Pt	Fibroblasts	Qn		nmol...	nm...		CHE
4	1.4151	1814-3	Acid alpha glucosidase	CCnc	Pt	Semen	Qn					CHE
5	1.4151	38475-0	Acid alpha glucosidase	CCnc	Pt	Ser/Plas	Qn		nmol...	nm...		CHE
6	1.4151	1815-0	Acid alpha glucosidase	CCnt	Pt	Tiss	Qn		U/g	U/gm		CHE
7	1.4151	30315-6	Acid alpha glucosidase	CCnt	Pt	Tsmi	Qn		umol...	uM/...		CHE
8	1.4151	1816-8	Acid alpha glucosidase	CCnc	Pt	WBC	Qn					CHE
9	1.4151	24051-5	Acid alpha glucosidase	CCnt	Pt	WBC	Qn		nmol...	nm...		CHE
10	1.4151	44037-0	Acid beta glucosidase	ACnc	Pt	Bld	Ord					CHE
11	1.4151	55917-9	Acid beta glucosidase	CCnc	Pt	Bld.dot	Qn		umol...	um...		CHE
12	1.4151	25829-3	Acid beta glucosidase	CCnt	Pt	Fibroblasts	Qn		nmol...	nm...		CHE
13	1.4151	38477-6	Acid beta glucosidase	CCnc	Pt	Ser/Plas	Qn					CHE
14	1.4151	18195-8	Acid beta glucosidase	ACnt	Pt	Tiss	Qn					CHE
15	1.4151	1943-0	Acid beta glucosidase	CCnc	Pt	WBC	Qn					CHE
16	1.4151	32540-7	Acid beta glucosidase	CCnt	Pt	WBC	Qn					CHE
17	1.4151	33661-0	Acid beta glucosidase	EntCat	Pt	WBC	Qn					CHE
18	1.4151	35303-7	Acid beta glucosidase	CCnt	Pt	XXX	Qn					CHE
19	1.4151	24091-1	Alpha-N-acetylglucosaminidase	CCnt	Pt	Fibroblasts	Qn					CHE

Units Specimen Methodless Common Labs Battery Max Words:

933 records found: 0.05s

Includes Glucuronidase, Glucosidase, Glucosylceramidase, etc.

Other Syntax Tips

```
hemoglobin class:chem
```

```
Choriogonadotropin commonlabresult:true
```

```
aldolase status:deprecated
```

```
gestational age method:(reported OR estimated)
```



Remember, these are *ADDED* to the constraints indicated on the Search Limits tab

Exporting Rows from Grid

Map Local Terms - LOINC Workshop OBR

File Tools HIPAA Intelligent Mapper View Help

Search Mapping View All Working Set Terms Hierarchy & Search Limits Part Search

Local Term File

Mapped to: Name: 2075-0 Chloride [Moles/volume] in Serum or Plasma Local Term Details

OBR-4 Code: 665670 OBX-3 Code: 755366 Units: mmol/L Sample Values: Limit to Default Specimen:

Extra Search Words: Accept or enter OBR name and/or OBX name

CHLORIDE SERPL QN ?

View: All

#: 7 of 473

Search Clear Inputs Clear Most Limits Common tests 99.+ %tile Lookup Term By #

Show Words Propose Term

Grid Tree

Row	LOINC #	Component	Property	Time Aspect	System	Scale	Method	Ex. ...	Ex. Unit	
1	13006-2	1,4-Dichlorobenzene	MCnc	Pt	Ser/Plas	Qn				View Details
2	2075-0	Chloride	SCnc	Pt	Ser/Plas	Qn		mmol/L	mmol/L	Print Grid
3	54369-4	Chloride^post dialysis	SCnc	Pt	Ser/Plas	Qn		mmol/L	mmol/L	Map
4	9505-9	Chlorobenzene	MCnc	Pt	Ser/Plas	Qn				Same
5	54937-8	Chlorofom	MCnc	Pt	Ser/Plas	Qn		ug/L	ug/L	Export
6	39357-9	Cholinesterase,chloride...	CFr	Pt	Ser/Plas					Configure Export
7	12999-9	Epichlorohydrin	MCnc	Pt	Ser/Plas					Configure Grid
8	17661-0	Succinylcholine	MCnc	Pt	Ser/Plas					

Truncated Text Print Preview

Entry #: 7 of 473 Units Specimen Methodless Common 99% Battery Max Words: Map term: 962.44s

export

Configure Export Options

The screenshot shows the 'Custom Export' dialog box with a table of columns and a list of output options. Three callouts highlight specific features: 'Output options' points to the output options list, 'Save configuration and/or export' points to the 'Rows to Export' section, and 'Include column headers' points to the 'Include column headers' checkbox.

#	Column Name
<input checked="" type="checkbox"/>	1 Row
<input checked="" type="checkbox"/>	2 LOINC #
<input checked="" type="checkbox"/>	3 Component
<input checked="" type="checkbox"/>	4 Property
<input checked="" type="checkbox"/>	5 Time Aspect
<input checked="" type="checkbox"/>	6 System
<input type="checkbox"/>	7 Scale
<input type="checkbox"/>	8 Method
<input type="checkbox"/>	9 Ex. UCUM Units
<input type="checkbox"/>	10 Ex. Units
<input type="checkbox"/>	11 %99.+ Common Tests
<input type="checkbox"/>	12 Class
<input type="checkbox"/>	13 Long Common Name
<input type="checkbox"/>	14 Short Name
<input type="checkbox"/>	15 Type
<input type="checkbox"/>	16 Order/Obs
<input type="checkbox"/>	17 Do

Output options:

- Copy to Clipboard
- Save to File
- Export to Excel
- Send as Email
- Print

Rows to Export:

Selected Rows All Rows

Include column headers:

Buttons: Select All, Clear All, Export and Save Configuration, Save Configuration, Cancel

Excel Export Format

Book1 - Microsoft Excel

Home Insert Page Layout Formulas Data Review View

Clipboard Font Alignment Number Styles Cells Editing

A1 Row

Row	LOINC #	Component	Property	Time Aspect	System	Scale	Method
1	12999-9	Epichlorohydrin	MCnc	Pt	Ser/Plas	Qn	
2	13006-2	1,4-Dichlorobenzene	MCnc	Pt	Ser/Plas	Qn	
3	17661-0	Succinylcholine	MCnc	Pt	Ser/Plas	Qn	
4	2075-0	Chloride	SCnc	Pt	Ser/Plas	Qn	
5	39357-9	Cholinesterase.chloride inhibited/Cholinesterase	CFr	Pt	Ser/Plas	Qn	
6	54369-4	Chloride^post dialysis	SCnc	Pt	Ser/Plas	Qn	
7	54937-8	Chloroform	MCnc	Pt	Ser/Plas	Qn	
8	9505-9	Chlorobenzene	MCnc	Pt	Ser/Plas	Qn	
10							
11							
12							

Sheet1 Sheet2 Sheet3

Ready 100%

Limiting Your Searches

Sometimes 68,000+ terms is too many

Quick Access Toggles For Common Restrictions

The screenshot displays a software interface with a table of LOINC codes and their properties. A blue callout bubble labeled "On/Off Toggles" points to a row of toggle buttons at the bottom of the table. The table has the following columns: Row, LOINC #, Component, Property, Time Aspect, System, Scale, Method, Ex..., and Ex. Unit. The data rows are:

Row	LOINC #	Component	Property	Time Aspect	System	Scale	Method	Ex...	Ex. Unit
1	13006-2	1,4-Dichlorobenzene	MCnc	Pt	Ser/Plas	Qn			
2	2075-0	Chloride	SCnc	Pt	Ser/Plas	Qn		mmol/L	mmol/L
3	54369-4	Chloride^post dialysis	SCnc	Pt	Ser/Plas	Qn		mmol/L	mmol/L
4	9505-9	Chlorobenzene	MCnc	Pt	Ser/Plas	Qn			
5	54937-8	Chlorofom	MCnc	Pt	Ser/Plas	Qn		ug/L	ug/L
6	39357-9	Cholinesterase.chloride...	CFr	Pt	Ser/Plas	Qn		%	%
7	12999-9	Epichlorohydrin	MCnc	Pt	Ser/Plas	Qn			
8	17661-0	Succinylcholine	MCnc	Pt	Ser/Plas	Qn			

At the bottom of the table, there is a row of toggle buttons: Truncated, Print Preview, and others. A blue callout bubble labeled "On/Off Toggles" points to this row. The interface also includes a right-hand sidebar with buttons for View Details, Print Grid, Map, Same, Export, Configure Export, and Configure Grid. The bottom status bar shows "Entry #: 7 of 473", "Units Specimen Methodless Common 99% Battery Max Words", and "8 records found: 0.03s".

Search Constraints

Map Local Terms - CDC-Top110

File Tools HIPAA Lab Auto Mapper View Help

Search Mapping View All Working Set Terms Hierarchy & Search Limits Part Search

Search Constraints Class Hierarchy Multi-axial Hierarchy Component Hierarchy System Hierarchy Method Hierarchy

Restrict Search

- Terms consistent with local units
- Terms consistent with specimen
- Exclude terms with system 'left' or 'right'
- Common Orders only

Pharma MS Exclude MS* Terms

Include These LOINCs:

- Trial
- Discouraged
- Deprecated

Max # of component words

Lab Test Restrictions

- None
- Lab Tests Only
- CDISC Lab Tests Only
- Common Lab Results Only

- Methodless Terms Only
- If no methodless version exists, then return the method specific terms

Units Specimen Methodless Common Labs Battery Max Words: 4 records found: 0s

Terms Consistent with Specimen

Map Local Terms - LOINC Workshop OBR

File Tools HIPAA Intelligent Mapper View Help

Search Mapping View All Working Set Terms Hierarchy & Search Limits Part Search

Local Term File Mapped to: Name:

Next Previous First Last

OBR-4 Code: OBR-3 Code: Units: Sample Values: Default Specimen: CSF

Extra Search Words: Accept or enter OBR name and/or OBX name: ASPERGILLUS FLAVUS

View: All

#: 7 of 473

Search Clear Inputs Clear Most Limits Common tests 99.+ %file Lookup Term By #

Hide Words Propose Term

Use Local Words # Hits

<input checked="" type="checkbox"/>	1	aspergillus	161	<input type="checkbox"/>	5		
<input checked="" type="checkbox"/>	2	flavus	17	<input type="checkbox"/>	6		
<input type="checkbox"/>	3			<input type="checkbox"/>	7		
<input type="checkbox"/>	4			<input type="checkbox"/>	8		

Grid Tree

Row	LOINC #	Component	Property	Time Aspect	System	Scale	Method	Ex...	Ex. L
1	51529-6	(Aspergillus...	ACnc	Pt	Ser	Ord	Multidisk		
2	31229-8	Aspergillus flavus Ab	ACnc	Pt	Body fld	Ord			
3	27377-1	Aspergillus flavus Ab	ACnc	Pt	Body fld	Ord	Immune diffusion		
4	16415-2	Aspergillus flavus Ab	ACnc	Pt	CSF	Ord			
5	21084-9	Aspergillus flavus Ab	ACnc	Pt	CSF	Ord	Immune diffusion		
6	13193-8	Aspergillus flavus Ab	ACnc	Pt	CSF	Qn			
7	9490-4	Aspergillus flavus Ab	ACnc	Pt	Ser	Ord			
8	23820-4	Aspergillus flavus Ab	ACnc	Pt	Ser	Ord	Immune diffusion		

View Details Print Grid Map Same Export Configure Export Configure Grid

Truncated Text Print Preview

Entry #: 7 of 473 Units Specimen Methodless Common 99% Battery Max Words: 17 records found: 0.02s

enter default specimen

Terms Consistent with Specimen

Map Local Terms - LOINC Workshop OBR

File Tools HIPAA Intelligent Mapper View Help

Search Mapping View All Working Set Terms Hierarchy & Search Limits Part Search

Local Term File Mapped to: Name:

Next
Previous
First
Last

OBR-4 Code: OBX-3 Code: Units: Sample Values: Limit to Default Specimen: CSF

Extra Search Words: Accept or enter OBR name and/or OBX name

View: All

7 of 473

Use	Local Words	# Hits	Use	Local Words	# Hits
<input checked="" type="checkbox"/> 1	aspergillus	161	<input type="checkbox"/> 5		
<input checked="" type="checkbox"/> 2	flavus	17	<input type="checkbox"/> 6		
<input type="checkbox"/> 3			<input type="checkbox"/> 7		
<input type="checkbox"/> 4			<input type="checkbox"/> 8		

Grid Tree

Row	LOINC #	Component	Property	Time Aspect	System	Scale	Method	Ex...	Ex. Unit
1	16415-2	Aspergillus flavus Ab	ACnc	Pt	CSF	Ord			
2	21084-9	Aspergillus flavus Ab	ACnc	Pt	CSF	Ord	Immune diffusion		
3	13193-8	Aspergillus flavus Ab	ACnc	Pt	CSF	Qn			

Truncated Text

Entry #: 7 of 473 Units Specimen Methodless Common 99% Battery Max Words: 3 records found: 0s

Only CSF Terms are returned

Setting Search Limits

Map Local Terms - CDC-Top110

File Tools HIPAA Lab Auto Mapper View Help

Search Mapping View All Working Set Terms Hierarchy & Search Limits Part Search

Search Constraints Class Hierarchy Multi-axial Hierarchy Component Hierarchy System Hierarchy Method Hierarchy

Restrict Search

- Terms consistent with local units
- Terms consistent with specimen
- Exclude terms with system 'left' or 'right'
- Common Orders only

Favor Prop Favor None

Order/Obs Ignore

Pharma MS Exclude MS* Terms

Include These LOINCs:

- Trial
- Discouraged
- Deprecated

Max # of component words

Lab Test

- None
- Lab T
- CDIS
- Common Lab Results Only

Methodless Terms Only

If no methodless version exists, then return the method specific terms

Methodless Terms Restriction

Override Methodless Terms Restriction

Units Specimen Methodless Common Labs Battery Max Words: 4 records found: 0s

Limit to Methodless Terms

Map Local Terms - LOINC Workshop OBR

File Tools HIPAA Intelligent Mapper View Help

Search Mapping View All Working Set Terms Hierarchy & Search Limits Part Search

Local Term File Mapped to: Name:

Next Previous First Last

OBR-4 Code: OBR-3 Code: Units: Sample Values: Limit to Default Specimen:

Extra Search Words: Accept or enter OBR name and/or OBX name

View: All

#: of 473

ASPERGILLUS FLAVUS

Search Clear Inputs Clear Most Limits Common tests 99.+ %file Lookup Term By #

Hide Words Propose Term

Use	Local Words	# Hits	Use	Local Words	# Hits
<input checked="" type="checkbox"/> 1	aspergillus	161	<input type="checkbox"/> 5		
<input checked="" type="checkbox"/> 2	flavus	17	<input type="checkbox"/> 6		
<input type="checkbox"/> 3			<input type="checkbox"/> 7		
<input type="checkbox"/> 4			<input type="checkbox"/> 8		

Grid Tree

Row	LOINC #	Component	Property	Time Aspect	System	Scale	Method	Ex...	Ex. L
1	51529-6	(Aspergillus...	ACnc	Pt	Ser	Ord	Multidisk		
2	31229-8	Aspergillus flavus Ab	ACnc	Pt	Body fld	Ord			
3	27377-1	Aspergillus flavus Ab	ACnc	Pt	Body fld	Ord	Immune diffusion		
4	16415-2	Aspergillus flavus Ab	ACnc	Pt	CSF	Ord			
5	21084-9	Aspergillus flavus Ab	ACnc	Pt	CSF	Ord	Immune diffusion		
6	13193-8	Aspergillus flavus Ab	ACnc	Pt	CSF	Qn			
7	9490-4	Aspergillus flavus Ab	ACnc	Pt	Ser	Ord			
8	23820-4	Aspergillus flavus Ab	ACnc	Pt	Ser	Ord	Immune diffusion		

Truncated Text Print Preview

View Details Print Grid Map Same Export Configure Export Configure Grid

Entry #: 7 of 473 Units Specimen Methodless Common 99% Battery Max Words: 17 records found: 0.02s

Limit to Methodless Terms

Map Local Terms - LOINC Workshop OBR

File Tools HIPAA Intelligent Mapper View Help

Search Mapping View All Working Set Terms Hierarchy & Search Limits Part Search

Local Term File Mapped to: Name:

OBR-4 Code: OBR-3 Code: Units: Sample Values: Limit to Default Specimen:

Extra Search Words:

View: #: of 473

Use	Local Words	# Hits	Use	Local Words	# Hits
<input type="checkbox"/>		161	<input type="checkbox"/>	5	
<input type="checkbox"/>		17	<input type="checkbox"/>	6	
<input type="checkbox"/>			<input type="checkbox"/>	7	
<input type="checkbox"/>			<input type="checkbox"/>	8	

Differ in one or more components

Grid	Tree	Row	LOINC #	Component	Property	Time Aspect	System	Scale	Method	Ex...	Ex. L	View Details
		1	31229-8	Aspergillus flavus Ab	ACnc	Pt	Body fld	Ord				<input type="button" value="View Details"/>
		2	16415-2	Aspergillus flavus Ab	ACnc	Pt	CSF	Ord				<input type="button" value="Print Grid"/>
		3	13193-8	Aspergillus flavus Ab	ACnc	Pt	CSF	Qn				<input type="button" value="Map"/>
		4	9490-4	Aspergillus flavus Ab	ACnc	Pt	Ser	Ord				<input type="button" value="Same"/>
		5	31230-6	Aspergillus flavus Ab	ACnc	Pt	Ser	Qn				<input type="button" value="Export"/>
		6	43090-0	Aspergillus flavus Ab	Titr	Pt	Ser	Qn		{titer}	titer	<input type="button" value="Configure Export"/>
		7	6024-4	Aspergillus flavus Ab.IqE	ACnc	Pt	Ser	Qn		k[IU]/L	kIU/	<input type="button" value="Configure Grid"/>
		8					Ser	Ord				<input type="button" value="Print Preview"/>

only Methodless terms appear

Entry #: 7 of 473 Units Specimen Methodless Common 99% Battery Max Words: 10 records found: 0s

Methodless Only Unchecked

Map Local Terms - LOINC Workshop OBR

File Tools HIPAA Intelligent Mapper View Help

Search Mapping View All Working Set Terms Hierarchy & Search Limits Part Search

Local Term File Mapped to: Name: Local Term Details

Next Previous First Last

OBR-4 Code: OBR-3 Code: Units: Sample Values: Limit to Default Specimen:

Extra Search Words: Accept or enter OBR name and/or OBX name

View: All

Search Clear Common tests 99.+ %tile Lookup Term By #

#: 7 of 473 Hide Words Prop

Use Local Words # Hits Use Local # Hits

- 1 viral 404 5
- 2 hemorrhagic 32 6
- 3 disease 1212 7
- 4 8

Grid Tree

Row	LOINC #	Component	Property	Time Aspect	System	Scale	Method	Ex...	Ex. L
1	23573-9	Viral hemorrhagic disease virus	ACnc	Pt	Tiss	Ord	Microscopy,electron		
2	23574-7	Viral hemorrhagic disease virus Ab	ACnc	Pt	Ser	Ord			
3	23577-0	Viral hemorrhagic disease virus Ab	ACnc	Pt	Ser	Ord	EIA		
4	31699-2	Viral hemorrhagic disease virus Ab	ACnc	Pt	Ser	Qn			
5	23575-4	Viral hemorrhagic disease virus Ab	Titr	Pt	Ser	Qn		{titer}	titer
6	23576-2	Viral hemorrhagic disease virus Ab	Titr	Pt	Ser	Qn	EIA	{titer}	titer
7	23578-8	Viral hemorrhagic disease virus Ab	Titr	Pt	Ser	Qn	HAI	{titer}	titer
8	34886-2	Viral hemorrhagic disease virus Ab	Titr	Pt	Ser	Qn	Neut	{titer}	titer

Truncated Text Print Preview

View Details Print Grid Map Same Export Configure Export Configure Grid

Entry #: 7 of 473 Units Specimen Methodless Common 99% Battery Max Words: 12 records found: 0s

All terms returned

Conditional Methodless

Map Local Terms - LOINC Workshop OBR

File Tools HIPAA Intelligent Mapper View Help

Search Mapping View All Working Set Terms Hierarchy & Search Limits Part Search

Local Term File Mapped to: Name:

Next Previous First Last

OBR-4 Code: OBX-3 Code: Units: Sample Values: Limit to Default Specimen:

Extra Search Words: Accept or enter OBR name and/or OBX name

VIRAL HEMORRHAGIC DISEASE

View: All

Search Clear Inputs Clear Most Limits Common tests 99.+ %tile Lookup Term By #

#: 7 of 473 Hide Words Propose Term

Use	Local Words	# Hits	Use	Local Words	# Hits
<input checked="" type="checkbox"/> 1	viral	404	<input type="checkbox"/>		
<input checked="" type="checkbox"/> 2	hemorrhagic	32	<input type="checkbox"/>		
<input checked="" type="checkbox"/> 3	disease	1212	<input type="checkbox"/>		
<input type="checkbox"/> 4			<input type="checkbox"/>		

Grid

Row	Priority	Time Aspect	System	Scale	Method	Ex...	Ex. Unit
1			Tiss	Ord	Microscopy,electron		
2		Pt	Ser	Ord			
3	31699-2	Viral hemorrhagic disease virus Ab	ACnc	Pt	Ser	Qn	
4	23575-4	Viral hemorrhagic disease virus Ab	Titr	Pt	Ser	Qn	{titer} titer
5	23581-2	Viral hemorrhagic disease virus Ag	ACnc	Pt	Tiss	Ord	Aggl
6	23580-4	Viral hemorrhagic disease virus Ag	ACnc	Pt	Tiss	Ord	EIA
7	23579-6	Viral hemorrhagic disease virus Ag	ACnc	Pt	Tiss	Ord	IF
8	23582-0	Viral hemorrhagic disease virus Ag	ACnc	Pt	Tiss	Ord	Immune stain

Truncated Text Print Preview

Entry #: 7 of 473 Units Specimen Methodless Common 99% Battery Max Words: 8 records found: 0.02s

View Details Print Grid Map Same Export Configure Export Configure Grid

More terms returned

No methodless term; all shown

Setting Search Limits

The screenshot shows the 'Map Local Terms - CDC-Top110' application window. The 'Hierarchy & Search Limits' tab is active, and the 'Class Hierarchy *' sub-tab is selected. The 'Restrict Search' section has the following options:

- Terms consistent with local units
- Terms consistent with specimen
- Exclude terms with system 'left' or 'right'
- Common Orders only

The 'Include These LOINCs:' section has the following options:

- Trial
- Discouraged
- Deprecated

The 'Lab Test Restrictions' section has the following options:

- None
- Lab Tests Only
- CDISC Lab Tests Only
- Common Lab Results Only

A blue callout box points to the 'Lab Tests Only' radio button with the text: "Limit to Lab Tests Only (No Clinical LOINC Terms)".

Other settings visible include:

- Favor Prop: Favor None
- Order/Obs: Ignore
- Pharma MS: Exclude MS* Terms
- Max # of component words: [empty field]

The status bar at the bottom shows: Units Specimen Methodless Common Labs Battery Max Words: CLASS restriction tree load time: 3.4s

Setting Search Limits

The screenshot shows the 'Map Local Terms - CDC-Top110' application window. The 'Hierarchy & Search Limits' tab is active, and the 'Search Constraints' sub-tab is selected. A blue callout box on the left contains the text: 'include Trial, Deprecated or Discouraged LOINC codes with returned terms'. The settings are as follows:

- Search Constraints:** Class Hierarchy * (selected), Multi-axial Hierarchy, Component Hierarchy, System Hierarchy, Method Hierarchy.
- Favor Prop:** Favor None (dropdown)
- Order/Obs:** Ignore (dropdown)
- Pharma MS:** Exclude MS* Terms (dropdown)
- Include These LOINCs:** Trial, Discouraged, Deprecated.
- Lab Test Restrictions:** None, Lab Tests Only, CDISC Lab Tests Only, Common Lab Results Only.
- Max # of component words:** (input field)
- Methodless Terms Only
- If no methodless version exists, then return the method specific terms

At the bottom of the window, there are tabs for 'Units', 'Specimen', 'Methodless', 'Common Labs', 'Battery', and 'Max Words'. The status bar on the right indicates 'CLASS restriction tree load time: 3.4s'.

LOINC Term Status

Trial

Concept is experimental in nature. Use with caution as the concept and associated attributes may change.

Discouraged

Concept is not recommended for current use. New mappings to this concept are discouraged although existing mappings may continue to be valid in context.

Deprecated

Concept is retired and should not be used, but it is retained in LOINC for historical purposes.

Include Deprecated LOINC Terms

The screenshot shows the 'Map Local Terms - LOINC Workshop OBR' application. At the top, a blue banner with a lightbulb icon contains the text: 'Can't map to a deprecated term Warning before mapping to discouraged term'. Below this, the search bar contains 'HEMOGRAM'. A modal dialog box titled 'Discouraged LOINC Mapping Substitution' is open, asking: 'LOINC # 24317-0 is discouraged. Do you wish to map to 58410-2 instead?' with 'Yes' and 'No' buttons. A grid of LOINC terms is visible at the bottom, with several entries marked with a red 'X' in a circle. A blue callout bubble points to the '24317-0' entry, stating: 'Discouraged LOINC Terms appear as an inverted triangle'. Another blue callout bubble points to the '34527-2' entry, stating: 'Deprecated LOINC Terms appear as strikethrough text with a "Do Not" symbol'. The grid has columns for Row, LOINC #, Component, and # Hits.

Row	LOINC #	Component	# Hits
4	47288-6	Differential	
5	58410-2	Complete blood count...	Automated count
6	24317-0	Hemogram & platelets WO...	
7	24359-2	Hemogram WO Platelets & W...	
8	24358-4	Hemogram WO platelets panel	
9	47287-8	Hemogram WO platelets panel	
1	34527-2	Hemogram, Platelets, ...	
1	24317-0	Hemogram, platelets &	

LOINC Hierarchies – Class Tree

The screenshot displays the 'Map Local Terms - LOINC Workshop OBR' application window. The interface includes a menu bar (File, Tools, HIPAA, Intelligent Mapper, View, Help), a search bar, and a tabbed interface with 'Hierarchy & Search Limits' selected. The 'Class Hierarchy' tab is active, showing a table with columns: Row, Category or Name, Component, Property, Time Aspect, System, Scale, Method, Ex..., Doc..., %..., Code, and Details. The table lists three top-level branches: 'Laboratory Categories' (Row 1), 'Clinical...' (Row 47337), and 'Attachments' (Row 66536). A blue callout box points to these three rows with the text 'Three top-level branches'. Another blue callout box points to the 'Expand Branch' and 'Collapse Branch' buttons in the bottom toolbar with the text 'Tree Navigation Buttons'. The bottom toolbar also includes 'Truncated Text', 'Show LOINCS', and 'Configure Export' buttons. The status bar at the bottom shows 'CLASS restriction tree load time: 10.5s'.

Row	Category or Name	Component	Property	Time Aspect	System	Scale	Method	Ex...	Doc...	%...	Code	Details
1	<input type="checkbox"/> Laboratory Categories										LP29693-6	
47337	<input type="checkbox"/> Clinical...										LP29694-4	
66536	<input type="checkbox"/> Attachments										LP29695-1	

Three top-level branches

Tree Navigation Buttons

Truncated Text Expand Branch Collapse Branch Show LOINCS Configure Export

Units Specimen Methodless Common 99% Battery Max Words: CLASS restriction tree load time: 10.5s

Before Class Restriction

Map Local Terms - LOINC Workshop OBR

File Tools HIPAA Intelligent Mapper View Help

Search Mapping View All Working Set Terms Hierarchy & Search Limits Part Search

Local Term File Mapped to: Name: 2075-0 Chloride [Moles/volume] in Serum or Plasma Local Term Details

Next Previous First Last

OBR-4 Code: 665670 OBX-3 Code: 755366 Units: mmol/L Sample Values: Limit to Default Specimen:

Extra Search Words: Accept or enter OBR name and/or OBX name

View: All

Search Clear Inputs Clear Most Limits Common tests 99.+ %tile Lookup Term By #

7 of 473 Show Words Propose Term

Grid Tree

Row	LOINC #	Component	Property	Class	Specimen	Method	Units	Class
1	3134-4	Xylose	MCnc					
5	3135-1	Xylose	MCnc	Pt	Urine	Qn		
3	32347-7	Xylose	SCnc	Pt	Ser/Plas	Qn		CHAL
25	33871-5	Xylose^1H post5 gxylose PO	SCnc	Pt	Ser/Plas	Qn		CHAL
39	34053-9	Xylose^2H post5 gxylose PO	SCnc	Pt	Ser/Plas	Qn		CHAL
84	40296-6	Xylose^post CFst	SCnc	Pt	Ser/Plas	Qn		CHAL
42	41173-6	Xylose^2H post dose xylose PO	MCnc	Pt	Ser/Plas	Qn		CHAL
67	41185-0	Xylose^5H post dose xylose PO	MCnc	Pt	Ser/Plas	Qn		CHAL
85	41188-4	Xylose^post CFst	MCnc	Pt	Urine	Qn		CHAL
83	41189-2	Xylose^post CFst	MCnc	Pt	Ser/Plas	Qn		CHAL
44	41191-8	Xylose^2H post dose xylose PO	MRat	2H	Urine	Qn		CHAL
49	41197-5	Xylose^30M post dose xylose PO	MCnc	Pt	Ser/Plas	Qn		CHAL
68	41237-9	Xylose^5H post dose xylose PO	MCnc	Pt	Urine	Qn		CHAL
77	41250-2	Xylose^baseline	MCnc	Pt	Urine	Qn		CHAL

View Details Print Grid Map Same Export Configure Export Configure Grid

Truncated Text

Entry #: 7 of 473 Units Specimen Methodless Common 99% Battery Max Words: 88 records found: 0.52s

Most terms have class of "CHAL"

Large number of candidate terms

Hierarchies

Map Local Terms - DJV-20110521

File Tools HIPAA Lab Auto Mapper View Help

Search Mapping View All Working Set Terms Hierarchy & Search Limits Part Search

Search Constraints Class Hierarchy Multi-axial Hierarchy Component Hierarchy System Hierarchy Method Hierarchy

Row	Category or Name	Component	Property	Time Aspect	System	Scale	Method	Ex....	Doc....	Rank	Code	Detail
1	<input type="checkbox"/> Laboratory Categories										LP29693-6	
2	<input type="checkbox"/> Antibiotic Susceptibilities										LP7755-4	detail:
1617	<input type="checkbox"/> Allergy Testing										LP7756-2	
5463	<input type="checkbox"/> Blood Bank Tests										LP7776-0	
6344	<input type="checkbox"/> Cell Markers										LP7783-6	
7815	<input type="checkbox"/> Challenge chemistry tests										LP7784-4	
11457	<input checked="" type="checkbox"/> Chemistry non challenge tests										LP7786-9	
20058	<input type="checkbox"/> Coagulation Tests										LP7788-5	
20809	<input type="checkbox"/> Cytology Studies										LP7789-3	
20887	<input type="checkbox"/> Drug toxicology tests										LP7790-1	
27603	<input type="checkbox"/> Drug Doses										LP7791-9	
28011	<input type="checkbox"/> Fertility Testing										LP7798-4	
28231	<input type="checkbox"/> Hematology/Cell counts										LP7803-2	
30057	<input type="checkbox"/> HLA Antigens										LP7806-5	detail:
30480	<input type="checkbox"/> HPA antigen										LP65557-8	
30497	<input type="checkbox"/> Laboratory orders										LP94892-4	
30520	<input type="checkbox"/> Microbiology Tests (Culture, DNA, Ag, & Ab)										LP7819-8	
40915	<input type="checkbox"/> Miscellaneous tests										LP7820-6	
41067	<input type="checkbox"/> Molecular pathology tests										LP7822-2	
43291	<input type="checkbox"/> Normal Range Statistics										LP62148-9	
43296	<input type="checkbox"/> Pathology reports & report...										LP7839-6	
44020	<input type="checkbox"/> Serology tests (non micro)										LP7844-6	detail:
45787	<input type="checkbox"/> Skin Tests										LP7785-1	
45829	<input type="checkbox"/> Specimen information										LP7846-1	

Truncated Text Expand Branch Collapse Branch Show LOINCS Configure Export

Units Specimen Methodless Common Labs Battery Max Words: Collapse All: Os

Restrict eligible tests to non-challenge chemistry tests only

Following Class Restriction

Map Local Terms - LOINC Workshop OBR

File Tools HIPAA Intelligent Mapper View Help

Search Mapping View All Working Set Terms Hierarchy & Search Limits Part Search

Local Term File

Mapped to: Name: 2075-0 Chloride [Moles/volume] in Serum or Plasma Local Term Details

OBR-4 Code: OBX-3 Code: Units: Sample Values: Limit to Default Specimen:

865870 755366 mmo/L

Extra Search Words: Accept or enter OBR name and/or OBX name

XYLOSE ?

View: All

#: 7 of 473

Search Clear Inputs Clear Most Limits Common tests 99.+ %tile Lookup Term By #

Show Words Propose Term

Grid Tree

Row	LOINC #	Component	Property	Time Aspect	System	Scale	Class	Method	Ex.
1	3134-4	Xylose	MCnc	Pt	Bld	Qn	CHEM		
2	29999-0	Xylose	MCnc	Pt	Ser/Plas	Qn	CHEM		mg/dL
3	32347-7	Xylose	SCnc	Pt	Ser/Plas	Qn	CHEM		mmol/L
4	47806-5	Xylose	ACnc	Pt	Urine	Ord	CHEM		
5	3135-1	Xylose	MCnc	Pt	Urine	Qn	CHEM		
6	12274-7	Xylose	MRat	5H	Urine	Qn	CHEM		g/L
7	25556-2	Xylose	SCnc	Pt	Urine	Qn	CHEM		mmol/L

View Details Print Grid Map Same Export Configure Export Configure Grid

Truncated Text Print Preview

Entry #: 7 of 473 Units Specimen MethodClass Common 99% Battery Max Words: 7 records found: 0.06s

Only Non-Challenge Chemistry tests returned

Component Hierarchy

Map Local Terms - DJV-20110521

File Tools HIPAA Lab Auto Mapper View Help

Search Mapping View All Working Set Terms Hierarchy & Search Limits Part Search

Search Constraints Class Hierarchy Multi-axial Hierarchy Component Hierarchy System Hi

brca1 gene

Row	Category or Name	Component	Time Aspect	System	Scale	Method	Ex...	Doc...	Rank	Code	Details
51626	<input checked="" type="checkbox"/>	Molecular Pathology								LP32740-0	details
51693	<input type="checkbox"/>	Genes								LP32747-5	
51866	<input checked="" type="checkbox"/>	BRCA1 gene								LP19666-4	
51869	<input type="checkbox"/>	BRCA1 gene c.185 del AG								LP37424-6	
51871	<input type="checkbox"/>	BRCA1 gene c.5382 ins C								LP19668-0	
51873	<input type="checkbox"/>	BRCA1 +BRCA2 gene								LP65897-8	

Truncated Text Expand Branch Collapse Branch Show Tree Find Show LOINC Codes Configure Export

Units Specimen Methodless Common Labs Battery Max Words: 10413 records found: 44,27s

"right click" for context menu with "view details" option

Show the LOINC Codes associated with these components

Details Screen: LOINC Part

Details for Part record # LP19666-4

LP19666-4 BRCA1 gene

DESCRIPTION

Source: NCBI Entrez Gene

Description: The BRCA1 gene encodes a nuclear phosphoprotein that plays a role in maintaining genomic stability and acts as a tumor suppressor. The encoded protein combines with other tumor suppressors, DNA damage sensors, and signal transducers to form a large multi-subunit protein complex known as BASC for BRCA1-associated genome surveillance complex. This gene product associates with RNA polymerase II, and through the C-terminal domain, also interacts with histone deacetylase complex. This protein thus plays a role in transcription, DNA repair of double-stranded breaks, and recombination. Mutations in this gene are responsible for approximately 40% of inherited breast cancers and more than 80% of inherited breast and ovarian cancers. Alternative splicing plays a role in modulating the subcellular localization and physiological function of this gene. Many alternatively spliced transcript variants have been described for this gene but only some have had their full-length natures identified.

URL: [BRCA1 gene](#)

BASIC PROPERTIES

Part Type: COMPONENT

WEB CONTENT

Source: Online Mendelian Inheritance in Man®

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Row	Category or Name	Component	Property	Time Aspect	System	Scale	Method	Ex...	Doc...	%...	Code	Detail
7714	<input type="checkbox"/> Borna disease virus										LP64189-1	
7717	<input type="checkbox"/> Calicivirus										LP14807-9	detail
7721	<input type="checkbox"/> California encephalitis virus										LP33331-7	detail
7722	<input type="checkbox"/> California serogroup										LP31840-9	detail
7728	<input type="checkbox"/> Colorado tick fever virus										LP18316-7	detail
7745	<input checked="" type="checkbox"/> Coronavirus										LP16680-8	detail
7812	<input type="checkbox"/> Cytomegalovirus										LP14255-1	detail
7813	... Cytomegal...	Cytomegalovirus	ACnc	Pt	Amnio fld	Ord	Organism specific culture				34201-4	detail
7814	... Cytomegal...	Cytomegalovirus	ACnc	Pt	Anal	Ord	Shell vial culture				43706-1	detail
7815	... Cytomegal...	Cytomegalovirus	ACnc	Pt	Bld	Ord	Organism specific culture				5835-4	detail
7816	... Cytomegal...	Cytomegalovirus	ACnc	Pt	Bld	Ord	Shell vial culture				43703-8	detail
7817	... Cytomegal...	Cytomegalovirus	ACnc	Pt	Body fld	Ord	Shell vial culture				43704-6	detail
7818	... Cytomegal...	Cytomegalovirus	ACnc	Pt	Bone mar	Ord	Shell vial culture				43705-3	detail
7819	... Cytomegal...	Cytomegalovirus	ACnc	Pt	Bronchial	Ord	Organism specific culture				32675-1	detail
7820	... Cytomegal...	Cytomegalovirus	ACnc	Pt	CSF	Ord	Shell vial culture				43702-0	detail
7821	... Cytomegal...	Cytomegalovirus	ACnc	Pt	Tiss	Ord	Organism specific culture				5836-2	detail
7822	... Cytomegal...	Cytomegalovirus	ACnc	Pt	Tiss	Ord	Shell vial culture				43707-9	detail
7823	... Cytomegal...	Cytomegalovirus	ACnc	Pt	Urine	Ord	Organism specific culture				5837-0	detail
7824	... Cytomegal...	Cytomegalovirus	ACnc	Pt	Urine	Ord	Shell vial culture				43700-4	detail
7825	... Cytomegal...	Cytomegalovirus	ACnc	Pt	XXX	Ord	Organism specific culture	0.0...			5838-8	detail
7826	... Cytomegal...	Cytomegalovirus	ACnc	Pt	XXX	Ord	Shell vial culture				43701-2	detail
7827	... Cytomegal...	Cytomegalovirus Ab...	ACnc	Pt	Ser	Qn					34403-6	detail
7828	... Cytomegal...	Cytomegalovirus...	ACnc	Pt	Ser	Qn					45326-6	detail
7829	... Cytomegal...	Cytomegalovirus...	ACnc	Pt	Ser	Qn	EIA				52984-2	detail
7830	... Cytomegal...	Cytomegalovirus	ACnc	Pt	Ser+CSF	Qn					47307-4	detail

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