



RESOURCE AND PATIENT MANAGEMENT SYSTEM

Laboratory Reference

(LR)

Patch 1034 User's Guide

Version 5.2 Patch 1034
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Office of Information Technology (OIT)
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1.0 Introduction

This document lists various additions/changes to the RPMS Lab package that were brought about by IHS Lab Patch LR*5.2*1034.

The majority of the additions/changes to the RPMS Lab package were made to accommodate ICD-10.

Laboratory users can expect to see the following modifications and corrections:

The PCC link routine incorrectly passed to PCC, not only the CPT Code for the Panel ordered but also CPT codes for components of the panel. This required the billing office to re-bundle the tests (i.e., remove all CPT codes except the panel CPT code). The error was corrected to no longer unbundle Panel tests.

When in-house Microbiology orders were accessioned, the Collection Sample being stored into the Accession (#68) file was the "first" Collection Sample of the test in the Laboratory Test (#60) file, even if the Collection Sample selected for the Order was not. The LRWLST1 routine has been modified to ensure the Collection Sample in the Accession file matches the Collection Sample on the test in the Lab Order Entry (#69) file.

The Meaningful Use Stage 2 (MU2) Microbiology report that is displayed in EHR does not display Virology Results. The original Microbiology report has been restored.

The modifications made to the Clinical Indication process for MU2 allowed users to select SNOMED codes that were not mapped to valid ICD codes. The uncoded diagnosis code for ICD9 is .999 for ICD9 and it is ZZZ.999 for ICD-10. Those codes were stored in the Lab Order Entry (#69) file and passed to PCC. However, the presence of an uncoded diagnosis prevented the bill from being processed. The BLRLINK3 routine was modified to prevent the uncoded ICD codes from being passed to PCC. The ICD field will not display in the PCC visit file.

The RPMS SNOMED listing display has been enhanced to display not only SNOMED codes and narratives but also linked ICD codes so that staff knows which codes are linked to uncoded diagnoses.

The prompts for "Ask at order" questions were missing when accessioning tests ordered via EHR for some reference laboratory interface types. The prompt for ask at order questions has been restored when accessioning tests ordered in EHR which require supplemental information to be supplied to the reference laboratory via "ask at order" questions.

LEDI Third Party Billing Interface users will now be prompted during ‘Accessioning tests by provider order entry’ to respond to ‘Ask at Order’ questions for tests ordered in the EHR.

An optional new format has been developed for displaying UIDs, SNOMED Codes, ICD narrative, and ICD code on the Order/Test Status screen for all orders. The same items display when selecting an order to Accession tests ordered by provider order entry.

New functionality for storing and forwarding provider diagnoses entered as Clinical Indications while ordering laboratory tests has been implemented. This will allow direct use of diagnoses entered by the provider rather than re-entry by staff accessioning orders for reference laboratories requiring diagnoses for billing. This new functionality will perform as indicated when a valid diagnosis is selected by the ordering clinician. If an unmapped (.999 or ZZZ.999) is selected, the lab user will be prompted for the proper diagnosis code.

The ‘ORDERING STATISTICS/COST REPORT’ had been modified to display the IHS patient HRCN vs the patient SSN.

RPMS Accessioning option names have been modified accordingly:

‘Accessioning tests ordered by ward order entry’ has been changed to

‘Accessioning tests by provider order entry.’

Accessioning ‘Sign or Symptom’ prompt replaced with ‘Clinical Indication’

Accessioning option ‘Add tests to a given accession’ will not prompt user for ‘Is this a Reflex Test?’. This has been removed.

The BLGU Laboratory Accession GUI in the EHR has been updated to include the Ordering Clinician. In addition, the option to select for ‘Third Party’ has been added for the bidirectional billing reference laboratory.

<p>Note: The GUI Accessioning option is not functional for sites with reference laboratory billing interfaces at this time.</p>
--

2.0 Ordered Test Cost by Provider

The Ordered Test Cost By Provider report (the LR ORDERED TESTS BY PHY option in the Option (#19) file), displays the patient's Social Security Number (SSN). It has been modified to display the patient's Health Record Number (HRN) instead of the SSN.

2.1 Ordered Test Cost by Provider Original Report

When the patients are being listed at the end of the report, they display similar to:

```
DEMO,PATIENT      111111111 Jan 04, 2012@14:34:47
                   URINE CULTURE - ZUNI $ 7.47
```

2.2 Ordered Test Cost by Provider Modified Report

After the modifications to the routine, when the patients are being listed at the end of the report, they display similar to:

```
DEMO,PATIENT      111111 Jan 30, 2013@13:15
                   URINE CULTURE - ZUNI $ 7.47
```

3.0 RPMS SNOMED Selection List Modification

There is a modification to the data being displayed during SNOMED selection in RPMS; there is now a column that lists the ICD codes associated with the SNOMED codes. This column was added so that the user can avoid use of uncoded Diagnoses if desired.

3.1 Original RPMS SNOMED Selection Listing

Previously, if the user had selected Diabetes, the screen would have displayed something similar to the following:

```

BLR SNOMED SELECT                Jan 07, 2015 13:11:04                Page:    1 of
13
You MUST Select an appropriate SNOMED code.

      SNOMED      SNOMED DESCRIPTION
1) 1233306012  Diabetes insipidus,diabetes mellitus, optic atrophy and
def
2) 1233305011  DIDMOAD - Diabetes insipidus,diabetes mellitus, optic
atrop
3) 1233308013  Diabetes insipidus,diabetes mellitus, optic atrophy and
def
4) 354316011   Renal diabetes
5) 1220208016  Labile diabetes
6) 16500010    Latent diabetes
7) 19931010    Brittle diabetes
8) 121589010   Diabetes mellitus
9) 16501014    Chemical diabetes
10) 137634015  Anemia of diabetes
11) 141694013  Phosphate diabetes
12) 26721014   Diabetes insipidus
13) 131669014  Child diabetes diet
14) 483885013  Mason-type diabetes
15) 505370019  Anaemia of diabetes
16) 57058012   Adult diabetes diet
+           Enter ?? for more actions
S  Select SNOMED Number or Other Action
Select Action:NEXT SCREEN//

```

3.2 Modified RPMS SNOMED Selection Listing

After the modifications, the screen will display something similar to the following:

```

BLR SNOMED SELECT                Mar 12, 2015 06:36:31                Page:    1 of    13
You MUST Select an appropriate SNOMED code from the Patient's Problem List.

      SNOMED      SNOMED DESCRIPTION                ICD
1) 1233306012  Diabetes insipidus,diabetes mellitus, optic atroph  E11.39
2) 1233305011  DIDMOAD - Diabetes insipidus,diabetes mellitus, op  E11.39
3) 1233308013  Diabetes insipidus,diabetes mellitus, optic atroph  E11.39
4) 354316011   Renal diabetes                E74.8

```

5) 1220208016	Labile diabetes	
ZZZ.999		
6) 16500010	Latent diabetes	R73.02
7) 19931010	Brittle diabetes	
ZZZ.999		
8) 121589010	Diabetes mellitus	
ZZZ.999		
9) 16501014	Chemical diabetes	R73.02
10) 137634015	Anemia of diabetes	
ZZZ.999		
11) 141694013	Phosphate diabetes	E83.39
12) 26721014	Diabetes insipidus	E23.2
13) 131669014	Child diabetes diet	
ZZZ.999		
14) 483885013	Mason-type diabetes	
ZZZ.999		
15) 505370019	Anaemia of diabetes	
ZZZ.999		
16) 57058012	Adult diabetes diet	
ZZZ.999		
+	Enter ?? for more actions	
S	Select SNOMED Number or Other Action	
Select Action:NEXT SCREEN//		

4.0 New Order/Test Status Listing

There is a new routine, BLRLROS, that is released in LR*5.2*1034 that is a rewrite of the Order/Test Status routine. It will now display the PROVIDER NARRATIVE, SNOMED and ICD code(s) of an order as well as the UID of the accession listed.

4.1 New Order/Test Status Listing on BLRMENU

The new report will be added to the BLRMENU during the post-install phase of the LR*5.2*1034 install. It will have the synonym of LROS.

After LR*5.2*1034 is installed, the BLRMENU should look similar to the following:

```
Select Laboratory DHCP Menu Option: BLR  IHS Lab Main Support Menu
LS      Link Transaction Processor Status
7421    Will restart the 7421 label routine if turned off.
INQ     Inquire into the IHS LAB Transaction Log
FLD     Search Transactions for PCC LINK DISABLE Error
RSN     Requeue by Sequence Number
RST     Requeue Transaction by Sort Template
CPT     Enter/edit IHS Lab CPT File
FAL     Find ALL PCC Link Errors from Lab
STP     Stop/restart Lab to PCC Transaction Processor
MSTR    Enter/edit BLR MASTER CONTROL FILE
POV     Purpose of Visit Compliance Report
6249    Display File 62.49 HL7 Segments
BZY     IHS Taskman Busy Device Rpt
CLR     Clear BLR errors from error log
CUM     IHS CUMULATIVE MENU ...
DADD    Add Completed Date to Accession Tests
EDCC    BLR CC DATA Parameter Edit
ETP     LA7 Message Queue Error Messages to Purgeable
IHSM    IHS Lab Microbiology Report
ILUM    IHS LOINC/UCUM MENU ...
LABT    Determine if Required RPMS Lab Options Tasked
LOI     IHS Lab Package LOINC Percentage Report

        Press 'RETURN' to continue, '^' to stop:
LRAS    Accession IHS Lab Microbiology Report
LROS   Order/test status by Order Number
LTRR    Laboratory Test (#60) File's Reference Ranges
LVP     IHS Lab Version & Patch Report
MMR     Lab Description Abbreviation Report
NLO     Lab Tests Without LOINC Entries Report
ORPH    Remove Orphans from # 68
ORPR    BROWSER REPORT ON ORPHANS FROM # 68
RBE     Clear ALL BLR Errors from Error Log
REFL    Reference Lab Main Menu ...
REPL    Replace Lab Order/Test Status ...
SHDR    State Health Dept Report
        Count Accessioned Tests Using Lab Data File ...
        IHS Lab Ask-At-Order ...

Select IHS Lab Main Support Menu Option:
```

4.2 Example of New Order/Test Status Listing

If the LROS option is selected from the BLRMENU, then the user is presented with the standard Order/Test Status prompts. The report that follows is sorted in reverse order number and will list all orders for the patient in the order file.

An example listing should look similar to the following:

```

Select IHS Lab Main Support Menu Option: LROS  Order/test status by Order
Number
Select Patient Name:
  DEMO,DEJON                      M 11-27-1990 XXX-XX-0095  TST
115569

DATE to begin review: TODAY//  (MAR 12, 2015)
  Test          Urgency  Status                      Accession
-----
-
Lab Order #:  1099                      Provider: PROVIDER,DEMO
  URINE
  URINE CULTURE (R) ROUTINE  Collected      03/06/2015@12:53  SO 15 278
  SNOMED: 82701015                      UID: 6315000278
  Clinical Indication: Dysuria
  ICD:R30.0          Dysuria
Lab Order #:  1073                      Provider: PROVIDER,DEMO
  BLOOD (CAPILLARY)  CAPILLARY BLOOD
  POC A1C NISQUALLY ROUTINE  Test Complete  03/03/2015@07:19  POCT 15 8
  UID: 5415000008
  Clinical Indication: Diabetes mellitus type 2
  ICD:E11.9          Type 2 diabetes mellitus without complications
Lab Order #:  1067                      Provider: PROVIDER,DEMO
  CAPILLARY BLOOD
  POC GLUCOSE                      Test Complete  02/26/2015@07:56  POCT 15 7
  SNOMED: 44054006                      UID: 5415000007
  Clinical Indication: Diabetes mellitus type 2
  ICD:E11.9          Type 2 diabetes mellitus without complications

Enter RETURN to continue or '^' to exit:

```

4.3 Replace Original Order/Test Status Report

The original Order/Test Status routine (LROS) can be replaced by the new Order/Test Status routine if a site wishes to use the new display for Order/Test Status.

This will be accomplished by a new option, REPL Replace Lab Order/Test Status, in the BLRMENU. It is locked with the LRSUPER Security Key.

```

REPL  Replace Lab Order/Test Status ...

```

The original routine (LROS) is copied to a backup routine name (LROSORIG) and the new routine (BLRLROS) is copied over the original routine's name. This ensures that the Order/Test Status report will use the new display.

4.3.1 Example of Replacing Original Order/Test Status Report

The following is an example of how the replacement of the Order/Test Status routine can be accomplished.

4.3.2 Select the REPL option on the BLRMENU

```
Select Laboratory DHCP Menu Option: BLR  IHS Lab Main Support Menu
```

```

LS      Link Transaction Processor Status
7421    Will restart the 7421 label routine if turned off.
INQ     Inquire into the IHS LAB Transaction Log
FLD     Search Transactions for PCC LINK DISABLE Error
RSN     Requeue by Sequence Number
RST     Requeue Transaction by Sort Template
CPT     Enter/edit IHS Lab CPT File
FAL     Find ALL PCC Link Errors from Lab
STP     Stop/restart Lab to PCC Transaction Processor
MSTR    Enter/edit BLR MASTER CONTROL FILE
POV     Purpose of Visit Compliance Report
6249    Display File 62.49 HL7 Segments
BZY     IHS Taskman Busy Device Rpt
CLR     Clear BLR errors from error log
CUM     IHS CUMULATIVE MENU ...
DADD    Add Completed Date to Accession Tests
EDCC    BLR CC DATA Parameter Edit
ETP     LA7 Message Queue Error Messages to Purgeable
IHSM    IHS Lab Microbiology Report
ILUM    IHS LOINC/UCUM MENU ...
LABT    Determine if Required RPMS Lab Options Tasked
LOI     IHS Lab Package LOINC Percentage Report

```

```
Press 'RETURN' to continue, '^' to stop:
```

```

LRAS    Accession IHS Lab Microbiology Report
LROS    Order/test status by Order Number
LTRR    Laboratory Test (#60) File's Reference Ranges
LVP     IHS Lab Version & Patch Report
MMR     Lab Description Abbreviation Report
NLO     Lab Tests Without LOINC Entries Report
ORPH    Remove Orphans from # 68
ORPR    BROWSER REPORT ON ORPHANS FROM # 68
RBE     Clear ALL BLR Errors from Error Log
REFL    Reference Lab Main Menu ...
REPL  Replace Lab Order/Test Status ...
SHDR    State Health Dept Report
        Count Accessioned Tests Using Lab Data File ...
        IHS Lab Ask-At-Order ...

```

```
Select IHS Lab Main Support Menu Option: REPL
```

4.3.3 Select the Replacement option

```

Date:03/12/15      2013 DEMO HOSPITAL
Time:1:27 PM      RPMS Lab

```

```

                                Order/Test Status Utilities
BLROTSCH
                                MAIN MENU
-----
-----
      1) Order/Test Status Replacement      2) Order/Test Status Restore

Select:  (1-2): 1

```

4.3.4 Answer the Explanation Prompt

```

                                2013 DEMO HOSPITAL
Date:03/12/15      Order/Test Status Replacement      Time:1:27 PM
LROSREPL          With the RPMS version
BLROTSCH
-----
-----
      This routine will replace the current Order/Test Status routine
      (LROS) with the RPMS routine (BLRLROS).

      The RPMS version displays the SNOMED, UID, Clinical Indication
      as well as the order's ICD code(s).

      Are you sure you want to do this? NO// YES

```

4.3.5 Answer the Second Chance Prompt

```

                                2013 DEMO HOSPITAL
Date:03/12/15      Order/Test Status Replacement
Time:1:27 PM
LROSREPL          With the RPMS version
BLROTSCH
-----
-----
      Second Chance: Are you still sure you want to do this? NO// YES

```

4.3.6 Answer the Last Chance Prompt

```

                                2013 DEMO HOSPITAL
Date:03/12/15      Order/Test Status Replacement
Time:1:27 PM
LROSREPL          With the RPMS version
BLROTSCH
-----
-----
      LAST CHANCE: Do you want to do this? NO// YES

```

If you answer YES, the following response will be displayed and you need press the ENTER key.

```
Very well.
```

```
Press RETURN Key:
```

4.3.7 Notification Display

You will then see the following, signifying the replacement has taken place.

```

                                2013 DEMO HOSPITAL
Date:03/12/15                    Order/Test Status Replacement
Time:1:27 PM
LROSREPL                          With the RPMS version
BLROTSCH
-----
-----
BLRLROS has successfully overwritten LROS.

Press RETURN Key:
```

4.4 Restore the Original Order/Test Status Report

It is possible to restore the original Order/Test Status report.

4.4.1 Example of Restoring Original Order/Test Status Report

The following is an example of how to restore the original Order/Test Status routine.

4.4.2 Select the REPL option on the BLRMENU

```

Select Laboratory DHCP Menu Option: BLR  IHS Lab Main Support Menu

LS      Link Transaction Processor Status
7421    Will restart the 7421 label routine if turned off.
INQ     Inquire into the IHS LAB Transaction Log
FLD     Search Transactions for PCC LINK DISABLE Error
RSN     Requeue by Sequence Number
RST     Requeue Transaction by Sort Template
CPT     Enter/edit IHS Lab CPT File
FAL     Find ALL PCC Link Errors from Lab
STP     Stop/restart Lab to PCC Transaction Processor
MSTR    Enter/edit BLR MASTER CONTROL FILE
POV     Purpose of Visit Compliance Report
6249    Display File 62.49 HL7 Segments
BZY     IHS Taskman Busy Device Rpt
CLR     Clear BLR errors from error log
CUM     IHS CUMULATIVE MENU ...
DADD    Add Completed Date to Accession Tests
EDCC    BLR CC DATA Parameter Edit
ETP     LA7 Message Queue Error Messages to Purgeable
IHSM    IHS Lab Microbiology Report
ILUM    IHS LOINC/UCUM MENU ...
LABT    Determine if Required RPMS Lab Options Tasked
LOI     IHS Lab Package LOINC Percentage Report
```

```

                Press 'RETURN' to continue, '^' to stop:
LRAS  Accession IHS Lab Microbiology Report
LROS  Order/test status by Order Number
LTRR  Laboratory Test (#60) File's Reference Ranges
LVP   IHS Lab Version & Patch Report
MMR   Lab Description Abbreviation Report
NLO   Lab Tests Without LOINC Entries Report
ORPH  Remove Orphans from # 68
ORPR  BROWSER REPORT ON ORPHANS FROM # 68
RBE   Clear ALL BLR Errors from Error Log
REFL  Reference Lab Main Menu ...
REPL Replace Lab Order/Test Status ...
SHDR  State Health Dept Report
      Count Accessioned Tests Using Lab Data File ...
      IHS Lab Ask-At-Order ...

Select IHS Lab Main Support Menu Option: REPL

```

4.4.3 Select the Restore option

```

                                2013 DEMO HOSPITAL
Date:03/12/15                    RPMS Lab
Time:1:28 PM
                                Order/Test Status Utilities
BLROTSCH
                                MAIN MENU
-----
-----
      1) Order/Test Status Replacement      2) Order/Test Status Restore

Select: (1-2): 2

```

4.4.4 Answer the Explanation Prompt

```

                                2013 DEMO HOSPITAL
Date:03/12/15                    Order/Test Status Replacement
Time:1:28 PM
LROSREPL                          With the Original Vista version
BLROTSCH
-----
-----
      This routine will replace the current Order/Test Status
      routine with the original Vista version from the VA.

      The Vista version does *NOT* display the order's: SNOMED
      code; UID; nor ICD code(s).

      Are you sure you want to do this? NO// YES

```

4.4.5 Answer the Second Chance Prompt

```

                                2013 DEMO HOSPITAL

```

```

Date:03/12/15                Order/Test Status Replacement
Time:1:28 PM
LROSREPL                    With the Original VistA version
BLROTTSCH
-----
-----

Second Chance: Are you still sure you want to do this? NO// YES

```

4.4.6 Answer the Last Chance Prompt

```

                                2013 DEMO HOSPITAL
Date:03/12/15                Order/Test Status Replacement
Time:1:28 PM
LROSREPL                    With the Original VistA version
BLROTTSCH
-----
-----

LAST CHANCE: Do you want to do this? NO// YES

```

If you answer YES, the following response will be displayed and you need press the ENTER key.

```

Very well.

Press RETURN Key:

```

4.4.7 Notification Display

You will then see the following, signifying the return to the original Order/test Status display has taken place.

```

Press RETURN Key:
                                2013 DEMO HOSPITAL
Date:03/12/15                Order/Test Status Replacement
Time:1:28 PM
LROSREPL                    With the Original VistA version
BLROTTSCH
-----
-----

The original VistA version has successfully overwritten the current
Order/Test status report.

Press RETURN Key:

```

5.0 Anatomic Pathology ICD 10 Modifications

There have been modifications to a few menu options and routines within the Anatomic Pathology module (AP) of the RPMS Lab package.

These changes were necessitated by ICD-10 requirements.

5.1 AP Menu

Several AP menus had their text changed from ICD9 to ICD.

5.1.1 LRAPAUDAA

The Menu Text field of the LRAPAUDAA option was changed from

```
Autopsy protocol & ICD9CM coding
```

to

```
Autopsy protocol & ICDCM coding
```

The Description field was changed from

```
Allows entry and edit of autopsy summary and ICD9CM codes for an unreleased report. CPT coding is also permitted regardless of the release status of the report.
```

to

```
Allows entry and edit of autopsy summary and ICDCM codes for an unreleased report. CPT coding is also permitted regardless of the release status of the report.
```

5.1.2 LRAPDGI

The Menu Text field of the LRAPDGI option was changed from

```
FS/Gross/Micro/Dx/ICD9CM Coding
```

to

```
FS/Gross/Micro/Dx/ICDCM Coding
```

The Description field was changed from

Allows review of gross specimen and frozen descriptions and entry of microscopic and diagnosis descriptions and ICD9CM coding for each accession number. This is permitted for unreleased reports only. However, CPT coding is permitted regardless of the release status of the report.

to

Allows review of gross specimen and frozen descriptions and entry of microscopic and diagnosis descriptions and ICDCM coding for each accession number. This is permitted for unreleased reports only. However, CPT coding is permitted regardless of the release status of the report.

5.1.3 LRAPICD

The Menu Text field of the LRAPICD option was changed from

ICD9CM coding, anat path

to

ICDCM coding, anat path

The Description field was changed from

ICD9CM coding for anatomic pathology

to

ICDCM coding for anatomic pathology

5.1.4 LRAPSI

The Menu Text field of the LRAPICD option was changed from

ICD9CM code search

to

ICDCM code search

The Description field was changed from

Option searches pathology entries by date for ICD9CM diagnosis code.

to

Option searches pathology entries by date for ICDCM diagnosis code.

5.2 AP Routines

Several routines were modified to correctly display ICD-9 and ICD-10 codes and not just ICD9.

5.2.1 Modified Routine LRAPCUM1

The routine was modified to use the new AICD 4.0 package's APIs to allow users to selected valid ICD-10 codes when ICD-10 codes are mandated.

5.2.2 Modified Routine LRAUDA

The routine was modified to replace a prompt that read

```
You may enter a new AUTOPSY ICD9CM CODE
```

with a prompt that read

```
You may enter a new AUTOPSY ICDCM CODE
```

5.2.3 Modified Routine LRAUS

The routine was modified to replace a prompt that read

```
NUMBER OF AUTOPSIES SEARCHED WITH ICD9CM
```

with a prompt that read

```
NUMBER OF AUTOPSIES SEARCHED WITH ICDCM
```

6.0 Files Modified To Accommodate ICD-10 Codes

Several files had to be modified in order to allow the storage of ICD-10 codes and/or to modify field names from ICD9 to ICD.

6.1 File TOPOGRAPHY FIELD (#61) Modification

The field ICDO CODE of the Topography (#61) file references ICDO (zero) and is a pointer to the ICD DIAGNOSIS (#80) file. As such, its structure does not need modification. However, its Input Transform referenced specific ICD9 codes and was modified to include the equivalent ICD-10 codes.

6.2 File LAB DATA (#63) Modification

The Laboratory Data (#63) file only stores pointers to the ICD DIAGNOSIS (#80) file and as such, the structure did not need to be modified. However, the labels to certain fields referred to ICD9 and were modified to ICD.

6.3 File LAB NLT/CPT CODES (#64.81) Modification

The field TYPE of the Lab NLT/CPT Codes (#64.81) file displayed the text ICD9 and was modified to display ICD.

6.4 File LAB ORDER ENTRY (#69) Modification

The multiple field ICD9 is a pointer to the ICD DIAGNOSIS (#80) file. Its internal structure (pointer) does not need modification, but the description and the field name itself referenced ICD9 and were modified to ICD.

6.5 File LAB SECTION PRINT (#69.2) Modification

The description of the field PRINT SNOMED/ICD CODES of the Lab Section Print (#69.2) file had the text ICD9CM, which was modified to ICD.

6.6 File LAB SEARCH/EXTRACT (#69.5) Modification

The field ICD9 of the Lab Search/Extract (#69.5) file is a pointer to the ICD DIAGNOSIS (#80) file. Its internal structure (pointer) does not need modification, but the description and the field name itself referenced ICD9 and were modified to ICD.

6.7 File IHS LAB TRANSACTION LOG (#9009022) Modification

The Help prompt for the field LAB POV of the IHS Lab Transaction Log (#9009022) file referenced ICD9 and was modified to ICD.

7.0 Reference Lab ICD-10 Modifications

Various changes have been made to the Reference Lab routines. Laboratory sites utilizing the billing reference laboratory interface will observe these changes directly. Multiple routines have been modified to handle ICD-10 codes. Details of individual routines are included in the Technical Manual for Laboratory patch 1034 (lr__0520.34t).

7.1 Electronic transfer of Provider Diagnosis to external reference lab order

Multiple routines were modified to ensure that diagnosis codes entered during EHR Order Creation (Computer Provider Order Entry) or Lab GUI Accessioning are stored into the BLR REFERENCE LAB ORDER/ACCESSION (#9009026.3) file.

This will allow laboratory users of reference laboratory interfaces with billing to review the diagnosis codes already entered and send the order with the provider's diagnosis code(s) without further user intervention if desired.

Provider documentation of problems in the integrated problem list and proper selection of Clinical indications for ordered laboratory tests can have a significant positive impact on laboratory accessioning of tests for reference laboratories.

Listed below are changes that laboratory users of different interfaces can expect to see. Note that these changes will be implemented as soon as Laboratory patch 1034 is installed and will be in effect with ICD9 and transition to ICD10.

Orders created as Lab Collect (for Inpatient Hospitals) may only be processed for GIS – Client bill sites.

For GIS – Client Bill interfaces, the ICD Diagnosis or Diagnoses codes may print on the EREQ. (.999 or ZZZ.999 diagnosis codes will not display on the EREQ.)

For Third Party Billing interfaces, if the provider has entered different Clinical Indications for the tests on an order, all of those diagnoses will be stored and the Laboratory user may either U – Use those Diagnoses, R – Remove one or more of those Diagnoses or A – Add additional Diagnoses.

There are existing Diagnosis attached to this order

1) Dx: Z83.49 Text: Family history of endo, nutritional and metabolic diseases

Select one of the following:

A Add a New DX

D	Delete an Existing DX
U	Use existing DX

Select an Option: U//

Even though the provider may have entered different clinical indications for each test in an order, the Laboratory will send all diagnoses with each test on that order to the Reference Laboratory. So long as the Reference Laboratory does not receive an order for a test that has no clinical indication, there is no need to remove any diagnosis that does not support a particular test order; e.g., If a patient has an order for an HIV 1/2 Ag/Ab test as well as a TSH, so long as there is a diagnosis to support the TSH order and another for the HIV order, no diagnosis needs to be removed. All diagnoses entered will be sent for each test on the order.

If a provider selects a clinical indication that is mapped to an uncoded diagnosis (.9999 for ICD9 or ZZZZ.999 for ICD10) the diagnosis will not be stored and the individual accessioning the order will be prompted to enter the diagnosis.

If the option, Multipurpose Accessioning is used instead of Accessioning a Test Ordered by Ward Order Entry Accessioning tests by provider order entry, there will be no Clinical Indications or Diagnoses stored with an order. Therefore the Laboratory user will be prompted to enter Clinical Indications (which may display in the SNOMED list if the patient has entries on the integrated problem list) and Diagnosis (Diagnosis) if the interface is configured for billing.

In order to demonstrate the altered prompts users will encounter with the different types of interfaces, interactive sessions are documented in this section for Multipurpose Accessioning as well as Accessioning Tests Ordered by Ward Order Entry.

7.1.1 LabCorp – GIS – Client Bill

Note that users would see the exact same sequence during Multipurpose Accessioning using other GIS –Client bill interfaces like RML, NPL, or Quest- Client Bill.

7.1.1.1 Multipurpose Accessioning:

```
Select Accessioning menu Option: multipurpose accessioning
```

```
WANT TO ENTER COLLECTION TIMES? YES//
```

```
Select ACCESSION TEST GROUP:          PRECERT
```

```
Select Patient Name: 111095
```

```
RICHARDS, RONNIE          <A>    F 05-28-1977 XXX-XX-9383    TST 111095
```

```
Select one of the following:
```

```
LC          LAB COLLECT(INPATIENTS-MORN. DRAW)
```

```

      SP          SEND PATIENT
      WC          WARD/CLINIC  COLLECT
      I           Immed COLLECT

Specimen collected how ? : SP//  SEND PATIENT
PATIENT LOCATION: lab (OIT TEST)
PROVIDER: radon RADON,NICHOLAS M JR
LAB Order number: 1406
Choose one (or more, separated by commas) ('*' AFTER NUMBER TO CHANGE URGENCY)
1  _MG DEMO HOSPITAL                3  _BUN DEMO HOSPITAL
2  SQL VITAMIN D,1,25-DIHYDROXY 904253 4  SQL VITAMIN B12 8060
TEST number(s):
Other tests? N//Y
Select LABORATORY TEST NAME: TSH  TSH (R)
Is SERUM (SST)  SST(GEL) the correct sample to collect?Y//
Same specimen/source for the rest of the order? No//  (No)
Select Urgency Status: ROUTINE//
Select LABORATORY TEST NAME: RPR  RPR w/rfx (R)
The Sample Is SERUM (TIGER)  TIGER
Same specimen/source for the rest of the order? No//  (No)
Select Urgency Status: ROUTINE//
Select LABORATORY TEST NAME:
Nature of Order/Change: POLICY//          I

You have just selected the following tests for RICHARDS,RONNIE 111095
  entry no. Test                               Sample
  1          TSH (R)                            SERUM (SST)  SERUM
  2          RPR w/rfx (R)                       SERUM (TIGER) SERUM

All satisfactory? Yes//  (Yes)

LAB Order number: 1406

Collection Date@Time: NOW//  (MAY 27, 2015@11:48:10)

Do you want to enter a different Clinical Indication for each test?? N// O

*****
** Patient has no entries in the PROBLEM File with SNOMED codes. **
*****

BLR SNOMED SELECT          May 27, 2015 11:48:22          Page: 1 of 5
You MUST Select an appropriate SNOMED code.

      SNOMED          SNOMED DESCRIPTION          ICD
      SNOMED          SNOMED DESCRIPTION          ICD
1) 492839019 Hypothyroid ZZZ.999
2) 68268011 Hypothyroidism ZZZ.999
3) 1222621010 Hypothyroid coma E03.5
4) 370525011 Hypothyroid facies ZZZ.999
5) 442133017 FH: Hypothyroidism Z83.49
6) 251589012 H/O: hypothyroidism Z86.39
7) 68269015 Hypothyroidism, NOS ZZZ.999
8) 145632015 Hypothyroid myopathy ZZZ.999
9) 292397013 Iodine hypothyroidism ZZZ.999
10) 363808017 Primary hypothyroidism ZZZ.999
11) 44685019 Central hypothyroidism E03.8
12) 178809013 Acquired hypothyroidism ZZZ.999
13) 137019010 Secondary hypothyroidism E03.8
    
```

```

14) 329972010 Infantile hypothyroidism ZZZ.999
15) 505168019 Pituitary hypothyroidism E03.8
16) 146340011 Iatrogenic hypothyroidism E03.2
+ Enter ?? for more actions
16) 146340011 Iatrogenic hypothyroidism E03.2
+ Enter ?? for more actions
S Select SNOMED Number or Other Action
Select Action:NEXT SCREEN// S Select SNOMED Number or Other Action

```

```

ACCESSION: SO 15 509 <6315000509>
TSH (R)
GENERAL PROCESSING INST.: 1 mL Refrigerated Serum

```

```

ACCESSION: SO 15 510 <6315000510>
RPR w/rfx (R) SERUM (SST) SERUM
Printing Shipping Manifests for Reference Lab...
Printing manifest for order # 1406

```

Manifest for order 1406:

```

                                INDIAN HEALTH SERVICE EREQ                PAGE: 1 of 2

REF LAB NAME: LABCORP                CLIENT #: 66600009

FACILITY: 2013 DEMO HOSPITAL                May 27, 2015@11:48:37
ADDRESS: UPTOWN USA, ALBUQUERQUE, 89701    PHONE: 202-555-1212
=====

ORDER (Control): 1406                ORDER DATE: May 27, 2015@11:48:10MID: IHS-157760 (
146496)
PATIENT: RICHARDS, RONNIE                Chart # (Alt Patn ID): 111095 PHONE:
SEX: F    DOB: May 28, 1977                SSN: XXX-XX-9383
LOCATION: LAB (OIT TEST)                BILL TYPE: Client
PRACTITIONER: RADON, NICHOLAS M JR,                NPI: 1194790881
LAB ARRIVAL (COLLECTION DATE/TIME): May 27, 2015@11:48:10

TEST NAME: TSH (R) (004259)                SAMPLE: SERUM (SST)
SOURCE: SERUM                Accession/Alt cnt#(CD): 6315000509
                                URGENCY: ROUTINE
LAB PROCESSING INSTR: Aliquote sera into Plastic Transport Vial; transport at R

TEST NAME: RPR w/rfx (R) (012005)                SAMPLE: SERUM (TIGER)
SOURCE: SERUM                Accession/Alt cnt#(CD): 6315000510
                                URGENCY: ROUTINE
LAB PROCESSING INSTR:

```


7.1.1.2 Accessioning tests ordered by provider order entry

Note that the Laboratory user accessioning the order does not need to select a SNOMED code from a list for the Clinical Indication. The Clinical Indication for the order has been stored.

```

CHOOSE 1-2: 1  Accessioning tests ordered by provider order entry

JAMES,BENNY JR          104664          Requesting location: LOT
Date/Time Ordered: 05/27/2015 10:03      By: RUSSELL,DOROTHY
Lab Order #: 1403          Provider: RUSSELL,DOROTHY
SERUM (TIGER)
RPR w/rfx (R)          ROUTINE Requested (SEND PATIENT) for: 05/27/2015@10:03
SNOMED: 265171012
Clinical Indication: Venereal disease screening
ICD:ZZZ.999          Uncoded diagnosis

JAMES,BENNY JR          104664          Requesting location: LOT
Date/Time Ordered: 05/27/2015 10:03      By: RUSSELL,DOROTHY
Lab Order #: 1403          Provider: RUSSELL,DOROTHY
SERUM (SST)
HEPATITIS C Antibody (R)
ROUTINE Requested (SEND PATIENT) for: 05/27/2015@10:03
SNOMED: 30676010
Clinical Indication: Jaundice
ICD:ZZZ.999          Uncoded diagnosis

HIV 1/2 (R)          ROUTINE Requested (SEND PATIENT) for: 05/27/2015@10:03
SNOMED: 370075016
Clinical Indication: Fear of contracting venereal disease
ICD:F40.298          Other specified phobia

Is this the correct order? Yes//  YES
Collection Date@Time: //N (MAY 27, 2015@11:49:37)
Do you have the entire order? YES

ACCESSION:  SO 15 511  <6315000511>
RPR w/rfx (R)          SERUM (TIGER)  SERUM

ACCESSION:  SO 15 512  <6315000512>
HEPATITIS C Antibody (R)  SERUM (SST)  SERUM
LAB PROCESSING INSTRUCTIONS:  Primary tube is acceptable; transport at Room
Temp.

ACCESSION:  SO 15 513  <6315000513>
HIV 1/2 (R)          SERUM (SST)  SERUM
GENERAL PROCESSING INST.:  HIV-1 screen with reflex to Western Blot and HIV-1
DNA Qualitative if initial screen is positive.

LAB PROCESSING INSTRUCTIONS:  Collection Instructions

Tube must be labeled with patient identifier and submitted only for HIV
testing. Tube should be spun after clotting and remain unopened.

Printing Shipping Manifests for Reference Lab...
Printing manifest for order # 1403

```

Manifest for order #1403:

INDIAN HEALTH SERVICE EREQ		PAGE: 1 of 1
REF LAB NAME: LABCORP	CLIENT #: 66600009	
FACILITY: 2013 DEMO HOSPITAL	May 27, 2015@11:50:04	
ADDRESS: UPTOWN USA, ALBUQUERQUE, 89701	PHONE: 202-555-1212	
=====		
ORDER (Control): 1403	ORDER DATE: May 27, 2015@10:03	MID: IHS-157763 (146499)
PATIENT: JAMES,BENNY JR	Chart # (Alt Patn ID): 104664 PHONE:	
SEX: M DOB: Jan 14, 1947	SSN: XXX-XX-5858	
LOCATION: LAB (OIT TEST)	BILL TYPE: Client	
PRACTITIONER: RUSSELL,DOROTHY,	NPI:	
LAB ARRIVAL (COLLECTION DATE/TIME): May 27, 2015@11:49:37		
TEST NAME: HEPATITIS C Antibody (R) (140659)	SAMPLE: SERUM (SST)	
SOURCE: SERUM	Accession/Alt cnt#(CD): 6315000512	
	URGENCY: ROUTINE	
LAB PROCESSING INSTR: Primary tube is acceptable;	transport at Room Temp.	
TEST NAME: RPR w/rfx (R) (012005)	SAMPLE: SERUM (TIGER)	
SOURCE: SERUM	Accession/Alt cnt#(CD): 6315000511	
	URGENCY: ROUTINE	
LAB PROCESSING INSTR:		
TEST NAME: HIV 1/2 (R) (5463)	SAMPLE: SERUM (SST)	
SOURCE: SERUM	Accession/Alt cnt#(CD): 6315000513	
	URGENCY: ROUTINE	
LAB PROCESSING INSTR: Collection Instructions	Tube must be labeled with patient identifier and submitted only for HIV testing. Tube should be spun after clotting and remain unopened.	

7.1.2 LabCorp – GIS – Third Party Billing

Note that in this example of an order placed via EHR, the Diagnosis entered by the provider while placing the order is stored and the user may use either that diagnosis, delete that diagnosis, or add one or more additional diagnoses. In addition, the Laboratory user is prompted to answer the ask-at-order questions associated with this test.

The functionality to store provider answers to ask-at-order questions entered while ordering has not yet been implemented.

CHOOSE 1-2: 1	Accessioning tests ordered by provider order entry	
RICHARDS, RONNIE	111095	Requesting location: LOT
Date/Time Ordered: 05/27/2015 10:09	By: RUSSELL,DOROTHY	
Lab Order #: 1404	Provider: RUSSELL,DOROTHY	
THINPREP (VAG-CX)	VAGINAL-CERVICAL CYTOLOGIC MATERIAL	
PAP W/AOE (R)	ROUTINE Requested (WARD COL) for: 05/27/2015@10:09	
SNOMED: 101178017		

```

Clinical Indication: Cervical atypism
ICD:N87.9      Dysplasia of cervix uteri, unspecified
Is this the correct order? Yes//  YES
Collection Date@Time: //N  (MAY 27, 2015@11:51:46)

ACCESSION:  SO 15 514  <6315000514>
PAP W/AOE (R)                THINPREP (VAG-CX)  VAGINAL-CERVICAL CYTOLOGIC MATE
RIAL
Cervix? Y/N: Y
Endocervix? Y/N: Y
Vagina? Y/N: N
Brush-Spatula? Y/N: N
Brush Alone? Y/N: Y
LMP-Menopause Date: YYYYMMDD: 20150430
Previous Treatment? Y/N: N
Colpo-Biopsy? Y/N: N
Dates/Results of Treatment?:
Pregnant? Y/N: N
Menopausal? Y/N: N
Previous Cytology Negative? Y/N: Y
Are the responses to the Ask At Accession questions correct ? Y// NO
1) Cervix? Y/N                      Y
2) Endocervix? Y/N                  Y
3) Vagina? Y/N                      N
4) Brush-Spatula? Y/N               N
5) Brush Alone? Y/N                 Y
6) LMP-Menopause Date: YYYYMMDD    20150430
7) Previous Treatment? Y/N          N
8) Colpo-Biopsy? Y/N                N
9) Dates/Results of Treatment?
10) Pregnant? Y/N                   N
11) Menopausal? Y/N                 N
12) Previous Cytology Negative? Y/N Y

Edit Which Ask At Accession Question :  (1-12): 12
Previous Cytology Negative? Y/N: Y// N
Are the responses to the Ask At Accession questions correct ? Y// ES
Enter ICD Diagnosis code for billing: N87.9

One match found

N87.9      Dysplasia of cervix uteri, unspecified

OK? Yes//  YES  N87.9      Dysplasia of cervix uteri, unspecified
Are you adding 'N87.9' as a new DIAGNOSIS (the 1ST for this BLR REFERENCE LAB
ORDER/ACCESSION)? No// Y  (Yes)
There are existing Diagnosis attached to this order

1) Dx: N87.9  Text: Dysplasia of cervix uteri, unspecified

Select one of the following:

A          Add a New DX
D          Delete an Existing DX
U          Use existing DX

Select an Option: U// se existing DX

Select one of the following:

```

```

C      Client
T      Third Party
P      Patient

Which Party is Responsible for Billing: : T// hird Party
Now applying Sequenced Insurer to Accession
Printing Shipping Manifests for Reference Lab...
Printing manifest for order # 1404
    
```

Manifest for order #1404

```

                                INDIAN HEALTH SERVICE EREQ                PAGE: 1 of 1

REF LAB NAME: LABCORP                CLIENT #: 66600009

FACILITY: 2013 DEMO HOSPITAL                May 27, 2015@11:52:57
ADDRESS: UPTOWN USA, ALBUQUERQUE, 89701    PHONE: 202-555-1212
=====

ORDER (Control): 1404                ORDER DATE: May 27, 2015@10:09MID: IHS-157764 (146500)
PATIENT: RICHARDS, RONNIE                Chart # (Alt Patn ID): 111095 PHONE:
SEX: F      DOB: May 28, 1977        SSN: XXX-XX-9383
LOCATION: LAB (OIT TEST)                BILL TYPE: Private Insurance
PRACTITIONER: RUSSELL, DOROTHY,                NPI:
LAB ARRIVAL (COLLECTION DATE/TIME): May 27, 2015@11:51:46

TEST NAME: PAP W/AOE (R) (192104)                SAMPLE: THINPREP (VAG-CX)
SOURCE: VAGINAL-CERVICAL CYTOLOGIC MATERIAL    Accession/Alt cnt#(CD): 6315000514
URGENCY: ROUTINE

LAB PROCESSING INSTR:

ORDER ENTRY QUESTIONS:
  Cervix? Y/N
  Y
  Endocervix? Y/N
  Y
  Vagina? Y/N
  N
  Brush-Spatula? Y/N
  N
  Brush Alone? Y/N
  Y
  LMP-Menopause Date: YYYYMMDD
  20150430
  Previous Treatment? Y/N
  N
  Colpo-Biopsy? Y/N
  N
  Dates/Results of Treatment?

  Pregnant? Y/N
  N
  Menopausal? Y/N
  N
  Previous Cytology Negative? Y/N
  N
DIAGNOSIS
Diagnosis:                DX Description:
    
```

```

N87.9                      Dysplasia of cervix uteri, unspecified

INSURANCE
Ins Carrier Code: BCBS                      Insured Name: RICHARDS, RONNIE
                                           Relationship: SELF
Insurer Name: BC/BS OF ARIZONA INC.        Insured Add: PO BOX 563
Insurer Add:                               ALB NM 87119
PO BOX 2924                                 Guarantor: TSOSIE DAWN
PHOENIX AZ 85062-2924                      Guar Add: PO BOX 563
Insurer Group: 3031191                     AZ
Insured ID:                                Guarantor Phone: 555-999-2372
-----

```

7.1.3 NPL – GIS – Client Bill

7.1.3.1 Multipurpose Accessioning

```

Select Accessioning menu Option: Multipurpose accessioning

WANT TO ENTER COLLECTION TIMES? YES//
Select ACCESSION TEST GROUP:          PRECERT

Select Patient Name: 100160
ARMSTRONG, BILLIE K                   <A>   F 12-10-1919 XXX-XX-9746   TST 100160

Select one of the following:

      LC          LAB COLLECT(INPATIENTS-MORN. DRAW)
      SP          SEND PATIENT
      WC          WARD/CLINIC COLLECT
      I          Immed COLLECT

Specimen collected how ? : SP//   SEND PATIENT
PATIENT LOCATION: LAB (OIT TEST)
PROVIDER: RADON, NICHOLAS M JR
LAB Order number: 1407
Choose one (or more, separated by commas) ('*' AFTER NUMBER TO CHANGE URGENCY)
1  _MG DEMO HOSPITAL                3  _BUN DEMO HOSPITAL
2  SQL VITAMIN D,1,25-DIHYDROXY 904253 4  SQL VITAMIN B12 8060
TEST number(s):
Other tests? N//Y
Select LABORATORY TEST NAME: HEPA
1  HEPARIN COFACTOR ACTIVITY SQL ANTITHROMBIN III ACTIVITY 3002
2  HEPATIC FUNCTION PANEL SQL HEPATIC FUNCTION 900313
3  HEPATIC FUNCTION PANEL - PAH PAH HEPATIC FUNCTION PANEL
4  HEPATITIS HEPATITIS C Antibody (R)
5  HEPATITIS SQL HEP.PANEL, ACUTE 104750
Press <RETURN> to see more, '^' to exit this list, OR
CHOOSE 1-5:
6  HEPATITIS A AB
7  HEPATITIS A IGM AB
8  HEPATITIS ABC PANEL
9  HEPATITIS B CORE AB
10 HEPATITIS B CORE AB QUANT
Press <RETURN> to see more, '^' to exit this list, OR
CHOOSE 1-10:

```

```

11 HEPATITIS B SURFACE AB
12 HEPATITIS B SURFACE AG
13 HEPATITIS B e AB
14 HEPATITIS C PROFILE
15 HEPATITIS C VIRUS RNA [Units/Vol]
Press <RETURN> to see more, '^' to exit this list, OR
CHOOSE 1-15: 14 HEPATITIS C PROFILE
Is SERUM (SST) SST(GEL) the correct sample to collect?Y//
Same specimen/source for the rest of the order? No// (No)
Select Urgency Status: ROUTINE//
Select LABORATORY TEST NAME: TSH TSH (R)
Is SERUM (SST) SST(GEL) the correct sample to collect?Y//
Same specimen/source for the rest of the order? No// (No)
Select Urgency Status: ROUTINE//
Select LABORATORY TEST NAME:
Nature of Order/Change: POLICY// I

You have just selected the following tests for ARMSTRONG,BILLIE K 100160
entry no. Test Sample
1 HEPATITIS C PROFILE SERUM (SST) SERUM
2 TSH (R) SERUM (SST) SERUM

All satisfactory? Yes// (Yes)

LAB Order number: 1407

Collection Date@Time: NOW// (MAY 27, 2015@12:17:43)

Do you want to enter a different Clinical Indication for each test?? N// YES

BLR SNOMED SELECT May 27, 2015 12:17:45 Page: 1 of 1
You MUST Select an appropriate SNOMED code from the Patient's Problem List.

SNOMED SNOMED DESCRIPTION ICD
1) 178732019 Conversion disorder, single episode F44.9

Note: This is the SNOMED code pulled from the patient's problem list and does not
apply to the current test.

Enter ?? for more actions

S Select SNOMED Number or Other Action

Create new Listing of SNOMED codes (Y/N)? YES//

BLR SNOMED SELECT May 27, 2015 12:18:21 Page: 1 of 3
You MUST Select an appropriate SNOMED code from the Patient's Problem List.

SNOMED SNOMED DESCRIPTION ICD
SNOMED SNOMED DESCRIPTION ICD
1) 127487019 Chronic hepatitis K73.9

```

2)	206586011	Chronic hepatitis C	B18.2
3)	2920529016	Chronic hepatitis E	B18.8
4)	127488012	Chronic hepatitis, NOS	K73.9
5)	503370016	CH - Chronic hepatitis	K73.9
6)	17930015	Chronic viral hepatitis	B18.9
7)	353601010	Chronic hepatic failure	ZZZ.999
8)	303401012	Chronic active hepatitis	ZZZ.999
9)	1232261014	Chronic viral hepatitis B	ZZZ.999
10)	95368015	Chronic lobular hepatitis	K73.1
11)	451124014	Chronic alcoholic hepatitis	F10.988
12)	69895016	Chronic persistent hepatitis	ZZZ.999
13)	353581017	Chronic non-A non-B hepatitis	ZZZ.999
14)	103019010	Chronic type B viral hepatitis	ZZZ.999
15)	111074012	Chronic active viral hepatitis	ZZZ.999
16)	206585010	Chronic type C viral hepatitis	B18.2
+ Enter ?? for more actions			
S Select SNOMED Number or Other Action			
Select Action:NEXT SCREEN// S Select SNOMED Number or Other Action			

Because the user indicated that there would be a different Clinical indication for each test, after selecting the SNOMED code for the Hepatitis C Antibody, they will see a second SNOMED listing to select the Clinical indication for the TSH.

BLR SNOMED SELECT			May 27, 2015 12:18:26	Page: 1 of 1
You MUST Select an appropriate SNOMED code from the Patient's Problem List.				
	SNOMED	SNOMED DESCRIPTION		ICD
1)	178732019	Conversion disorder, single episode		F44.9
Note: And again, because this SNOMED code pulled from the patient's problem list does not apply to the current test, the user must '^' and generate a new listing of SNOMED codes.				
Enter ?? for more actions				
S Select SNOMED Number or Other Action				
Create new Listing of SNOMED codes (Y/N)? YES//				
Other Tests' Provider Narrative:				
TEST: HEPATITIS C PROFILE				
PROVIDER NARRATIVE: Chronic hepatitis C				
SNOMED: 206586011				
BLR SNOMED SELECT			May 27, 2015 12:18:40	Page: 1 of 5
You MUST Select an appropriate SNOMED code from the Patient's Problem List.				
	SNOMED	SNOMED DESCRIPTION		ICD
	SNOMED	SNOMED DESCRIPTION		ICD
1)	492839019	Hypothyroid		ZZZ.999
2)	68268011	Hypothyroidism		ZZZ.999
3)	1222621010	Hypothyroid coma		E03.5
4)	370525011	Hypothyroid facies		ZZZ.999

```

5) 442133017   FH: Hypothyroidism                Z83.49
6) 251589012   H/O: hypothyroidism                Z86.39
7) 68269015    Hypothyroidism, NOS                 ZZZ.999
8) 145632015   Hypothyroid myopathy                ZZZ.999
9) 292397013   Iodine hypothyroidism               ZZZ.999
10) 363808017  Primary hypothyroidism              ZZZ.999
11) 44685019   Central hypothyroidism              E03.8
12) 178809013  Acquired hypothyroidism             ZZZ.999
13) 137019010  Secondary hypothyroidism            E03.8
14) 329972010  Infantile hypothyroidism            ZZZ.999
15) 505168019  Pituitary hypothyroidism            E03.8
16) 146340011  Iatrogenic hypothyroidism           E03.2
+      Enter ?? for more actions
S      Select SNOMED Number or Other Action
Select Action:NEXT SCREEN// S      Select SNOMED Number or Other Action

```

```

ACCESSION:  SO 15 515  <6315000515>
HEPATITIS C PROFILE

```

```

ACCESSION:  SO 15 516  <6315000516>
TSH (R)                SERUM (SST)  SERUM
GENERAL PROCESSING INST.:  1 mL Refrigerated Serum

```

```

LAB PROCESSING INSTRUCTIONS:  Aliquote sera into Plastic Transport Vial;
transport at Room Temp

```

```

Printing Shipping Manifests for Reference Lab...

```

Manifest for Order # 1407

```

                                INDIAN HEALTH SERVICE EREQ                PAGE: 1 of 2

REF LAB NAME: NPL                                CLIENT #: RAP

FACILITY: 2013 DEMO HOSPITAL                    May 27, 2015@12:18:55
ADDRESS: UPTOWN USA, ALBUQUERQUE, 89701        PHONE: 202-555-1212
=====

ORDER (Control): 1407                ORDER DATE: May 27, 2015@12:17:43MID:
PATIENT: ARMSTRONG,BILLIE K          CHART (Patient ID): 100160        PHONE:
SEX: F      DOB: Dec 10, 1919        SSN: XXX-XX-9746
LOCATION: LAB (OIT TEST)              BILL TYPE: Client
PRACTITIONER: RADON,NICHOLAS M JR,    NPI: 1194790881
LAB ARRIVAL (COLLECTION DATE/TIME): May 27, 2015@12:17:43

TEST NAME: TSH (R) (TSH)                SAMPLE: SERUM (SST)
SOURCE: SERUM                            ACCESSION (Lab Ref#): 6315000516
                                           URGENCY: ROUTINE

LAB PROCESSING INSTR:  Aliquote sera into Plastic Transport Vial; transport at Room
Temp
DIAGNOSIS
Diagnosis:                DX Description:
B18.2                    Chronic viral hepatitis C
Z86.39                    Personal history of endo, nutritional and metabolic dis

```


TEST NAME: HEPATITIS C PROFILE (HCV)	SAMPLE: SERUM (SST)
SOURCE: SERUM	ACCESSION (Lab Ref#): 6315000515
	URGENCY: ROUTINE
LAB PROCESSING INSTR:	
DIAGNOSIS	
Diagnosis:	DX Description:
B18.2	Chronic viral hepatitis C
Z86.39	Personal history of endo, nutritional and metabolic disease

7.1.3.2 Accessioning tests ordered by provider order entry

Note that Clinical Indications entered by the provider have been stored and forwarded to the lab.

```

RICHARDS, RONNIE          111095          Requesting location: LOT
Date/Time Ordered: 05/27/2015 12:30      By: RUSSELL, DOROTHY
Lab Order #: 1409                Provider: RUSSELL, DOROTHY
SERUM (TIGER)
RPR w/rfx (R)      ROUTINE Requested (SEND PATIENT) for: 05/27/2015@12:30
SNOMED: 370075016
Clinical Indication: Fear of contracting venereal disease
ICD:F40.298      Other specified phobia
RICHARDS, RONNIE          111095          Requesting location: LOT
Date/Time Ordered: 05/27/2015 12:30      By: RUSSELL, DOROTHY
Lab Order #: 1409                Provider: RUSSELL, DOROTHY
SERUM (SST)
HEPATITIS C Antibody (R)
ROUTINE Requested (SEND PATIENT) for: 05/27/2015@12:30
SNOMED: 370075016
Clinical Indication: Fear of contracting venereal disease
ICD:F40.298      Other specified phobia
HIV 1/2 (R)      ROUTINE Requested (SEND PATIENT) for: 05/27/2015@12:30
SNOMED: 370075016
Clinical Indication: Fear of contracting venereal disease
ICD:F40.298      Other specified phobia
Is this the correct order? Yes//  YES
Collection Date@Time: //n (MAY 27, 2015@12:46:23)
Do you have the entire order? y  YES

ACCESSION:  SO 15 518  <6315000518>
RPR w/rfx (R)          SERUM (TIGER)  SERUM

ACCESSION:  SO 15 519  <6315000519>
HEPATITIS C Antibody (R)  SERUM (SST)  SERUM
LAB PROCESSING INSTRUCTIONS:  Primary tube is acceptable; transport at Room
Temp.

ACCESSION:  SO 15 520  <6315000520>
HIV 1/2 (R)          SERUM (SST)  SERUM
GENERAL PROCESSING INST.:  HIV-1 screen with reflex to Western Blot and HIV-1
DNA Qualitative if initial screen is positive.

LAB PROCESSING INSTRUCTIONS:  Collection Instructions

```

Tube must be labeled with patient identifier and submitted only for HIV testing. Tube should be spun after clotting and remain unopened.

Printing Shipping Manifests for Reference Lab...
 Printing manifest for order # 1409

Now printing shipping manifest for this accession

Manifest for Order # 1409

INDIAN HEALTH SERVICE EREQ PAGE: 1 of 1

REF LAB NAME: NPL CLIENT #: RAP

FACILITY: 2013 DEMO HOSPITAL May 27, 2015@12:46:39
 ADDRESS: UPTOWN USA, ALBUQUERQUE, 89701 PHONE: 202-555-1212
 =====

ORDER (Control): 1409 ORDER DATE: May 27, 2015@12:30MID: IHS-157770 (146506)
 PATIENT: RICHARDS, RONNIE CHART (Patient ID): 111095 PHONE:
 SEX: F DOB: May 28, 1977 SSN: XXX-XX-9383
 LOCATION: LAB (OIT TEST) BILL TYPE: Client
 PRACTITIONER: RUSSELL, DOROTHY, NPI:
 LAB ARRIVAL (COLLECTION DATE/TIME): May 27, 2015@12:46:23

TEST NAME: HEPATITIS C Antibody (R) (0) SAMPLE: SERUM (SST)
 SOURCE: SERUM ACCESSION (Lab Ref#): 6315000519
URGENCY: ROUTINE
 LAB PROCESSING INSTR: Primary tube is acceptable; transport at Room Temp.
 DIAGNOSIS
 Diagnosis: DX Description:
 F40.298 Other specified phobia

TEST NAME: RPR w/rfx (R) (RPR) SAMPLE: SERUM (TIGER)
 SOURCE: SERUM ACCESSION (Lab Ref#): 6315000518
URGENCY: ROUTINE
 LAB PROCESSING INSTR:
 DIAGNOSIS
 Diagnosis: DX Description:
 F40.298 Other specified phobia

TEST NAME: HIV 1/2 (R) (0) SAMPLE: SERUM (SST)
 SOURCE: SERUM ACCESSION (Lab Ref#): 6315000520
URGENCY: ROUTINE
 LAB PROCESSING INSTR: Collection Instructions Tube must be labeled with patient identifier and submitted only for HIV testing. Tube should be spun after clotting and remain unopened.
 DIAGNOSIS
 Diagnosis: DX Description:
 F40.298 Other specified phobia

7.1.4 PAML – GIS – Third Party Billing

7.1.4.1 Multipurpose Accessioning

```

Select Accessioning menu Option: Multipurpose accessioning

WANT TO ENTER COLLECTION TIMES? YES//
Select ACCESSION TEST GROUP: GE ??

Select ACCESSION TEST GROUP: C ??

Select ACCESSION TEST GROUP: PRECERT

Select Patient Name: 892165
BALMER,JENICA LEIGH                F 10-20-1996 XXX-XX-2181   TST 892165

Select one of the following:

      LC      LAB COLLECT(INPATIENTS-MORN. DRAW)
      SP      SEND PATIENT
      WC      WARD/CLINIC COLLECT
      I      Immed COLLECT

Specimen collected how ? : SP//   SEND PATIENT
PATIENT LOCATION: LAB (OIT TEST)
PROVIDER: RADON,NICHOLAS M JR
LAB Order number: 1405
Choose one (or more, separated by commas) ('*' AFTER NUMBER TO CHANGE URGENCY)
1  _MG DEMO HOSPITAL                3  _BUN DEMO HOSPITAL
2  SQL VITAMIN D,1,25-DIHYDROXY 904253 4  SQL VITAMIN B12 8060
TEST number(s):
Other tests? N//Y
Select LABORATORY TEST NAME: TSH TSH (R)
Is SERUM (SST) SST(GEL) the correct sample to collect?Y//
Same specimen/source for the rest of the order? No// (No)
Select Urgency Status: ROUTINE//
Select LABORATORY TEST NAME:
Nature of Order/Change: POLICY//      I

You have just selected the following tests for BALMER,JENICA LEIGH 892165
entry no. Test                               Sample
1          TSH (R)                            SERUM (SST)  SERUM

All satisfactory? Yes// (Yes)

LAB Order number: 1405

Collection Date@Time: NOW// (MAY 27, 2015@11:32:32)

BLR SNOMED SELECT                May 27, 2015 11:32:32        Page: 1 of 1
You MUST Select an appropriate SNOMED code from the Patient's Problem List.

      SNOMED      SNOMED DESCRIPTION              ICD
      SNOMED      SNOMED DESCRIPTION              ICD
1) 353583019    Hepatitis C carrier                Z22.52
2) 477158014    Misuses drugs                       F19.10

```

```

3) 257855012 HIV positive Z21
4) 206586011 Chronic hepatitis C B18.2

```

Note that this listing of SNOMED codes is from the patient's problem list.

Enter ?? for more actions

S Select SNOMED Number or Other Action

Create new Listing of SNOMED codes (Y/N)? YES//

BLR SNOMED SELECT May 27, 2015 11:32:57 Page: 1 of 5
You MUST Select an appropriate SNOMED code from the Patient's Problem List.

SNOMED	SNOMED DESCRIPTION	ICD
1) 492839019	Hypothyroid	ZZZ.999
2) 68268011	Hypothyroidism	ZZZ.999
3) 1222621010	Hypothyroid coma	E03.5
4) 370525011	Hypothyroid facies	ZZZ.999
5) 442133017	FH: Hypothyroidism	Z83.49
6) 251589012	H/O: hypothyroidism	Z86.39
7) 68269015	Hypothyroidism, NOS	ZZZ.999
8) 145632015	Hypothyroid myopathy	ZZZ.999
9) 292397013	Iodine hypothyroidism	ZZZ.999
10) 363808017	Primary hypothyroidism	ZZZ.999
11) 44685019	Central hypothyroidism	E03.8
12) 178809013	Acquired hypothyroidism	ZZZ.999
13) 137019010	Secondary hypothyroidism	E03.8
14) 329972010	Infantile hypothyroidism	ZZZ.999
15) 505168019	Pituitary hypothyroidism	E03.8
16) 146340011	Iatrogenic hypothyroidism	E03.2

+ Enter ?? for more actions

S Select SNOMED Number or Other Action

Select Action:NEXT SCREEN// S Select SNOMED Number or Other Action

ACCESSION: SO 15 507 <6315000507>

TSH (R)

GENERAL PROCESSING INST.: 1 mL Refrigerated Serum

There are existing Diagnosis attached to this order

1) Dx: Z83.49 Text: Family history of endo, nutritional and metabolic diseases

Select one of the following:

A	Add a New DX
D	Delete an Existing DX
U	Use existing DX

Select an Option: U// se existing DX

Select one of the following:

C	Client
---	--------

T Third Party
P Patient

Which Party is Responsible for Billing: : T// hird Party
Now applying Sequenced Insurer to Accession
Printing Shipping Manifests for Reference Lab...
Printing manifest for order # 1405

Now printing shipping manifest for this accession

Manifest for order 1405

INDIAN HEALTH SERVICE EREQ

PAGE: 1 of 1

REF LAB NAME: PAML

CLIENT #: M169

FACILITY: 2013 DEMO HOSPITAL

May 27, 2015@11:33:37

ADDRESS: UPTOWN USA, ALBUQUERQUE, 89701 PHONE: 202-555-1212

ORDER (Control): 1405

ORDER DATE: May 27, 2015@11:32:32MID: IHS-157757 (146493)

PATIENT: BALMER, JENICA LEIGH CHART (Patient ID): 892165 PHONE:

SEX: F DOB: Oct 20, 1996 SSN: XXX-XX-2181

LOCATION: LAB (OIT TEST) BILL TYPE: Medicaid

PRACTITIONER: RADON, NICHOLAS M JR, NPI: 1194790881

LAB ARRIVAL (COLLECTION DATE/TIME): May 27, 2015@11:32:32

TEST NAME: TSH (R) (84443.Z2)

SAMPLE: SERUM (SST)

SOURCE: SERUM

ACCESSION (Lab Ref#): 6315000507

URGENCY: ROUTINE

LAB PROCESSING INSTR: Aliquote sera into Plastic Transport Vial; transport at Room Temp

DIAGNOSIS

Diagnosis:

Z83.49

DX Description:

Family history of endo, nutritional and metabolic diseases

INSURANCE

Insurer ID: AZ

Insured Name: BALMER, JENICA LEIGH Rel: SELF

Insurer Name: MEDICAID

Insured Add: 3183 E PACKARD AVE

Insurer Add:

ALB NM 87119

AHCCCS

Guarantor: BALMER JENICA LEIGH

PHOENIX AZ 85002

Guar Add: 3183 E PACKARD AVE

Insurer Group:

ALB NM 87119

Insured ID: 482331428

Guarantor Phone:

7.1.4.2 Accessioning tests ordered by provider order entry

CHOOSE 1-2: 1 Accessioning tests ordered by provider order entry

BALMER, JENICA LEIGH

892165

Requesting location: LOT

Date/Time Ordered: 05/27/2015 09:54

By: RUSSELL, DOROTHY

```

Lab Order #: 1401                      Provider: RUSSELL,DOROTHY
URINE,RANDOM
CT/GC (R)          ROUTINE Requested (WARD COL) for: 05/27/2015@09:54
Clinical Indication: Misuses drugs
ICD:F19.10        Other psychoactive substance abuse, uncomplicated
Is this the correct order? Yes//  YES
Collection Date@Time: //N (MAY 27, 2015@11:34:28)

```

```

ACCESSION: SO 15 508 <6315000508>
CT/GC (R)          URINE,RANDOM URINE
LAB PROCESSING INSTRUCTIONS: Submit Urine Aptima Collection Kit at Room
Temperature

```

```

Specimen Source:: URINE
Are the responses to the Ask At Accession questions correct ? Y// ES
There are existing Diagnosis attached to this order

```

```

1) Dx: F19.10 Text: Other psychoactive substance abuse, uncomplicated

```

```

Select one of the following:

```

```

A      Add a New DX
D      Delete an Existing DX
U      Use existing DX

```

```

Select an Option: U// Add a New DX

```

```

Enter ICD Diagnosis code for billing: GENITAL

```

```

252 matches found

```

```

1.  A51.0      ICD-10 A51.0  PRIMARY GENITAL SYPHILIS
2.  N81.89     ICD-10 N81.89  OTHER FEMALE GENITAL PROLAPSE
3.  N82.5      ICD-10 N82.5  FEMALE GENITAL TRACT-SKIN FISTULAE
4.  N82.8      ICD-10 N82.8  OTHER FEMALE GENITAL TRACT FISTULAE
5.  N81.9      ICD-10 N81.9  FEMALE GENITAL PROLAPSE, UNSPECIFIED

```

```

Press <RETURN> for more, '^' to exit, or Select 1-5:

```

```

6.  N90.818   ICD-10 N90.818  OTHER FEMALE GENITAL MUTILATION STATUS
7.  N90.811   ICD-10 N90.811  FEMALE GENITAL MUTILATION TYPE I STATUS
8.  N90.812   ICD-10 N90.812  FEMALE GENITAL MUTILATION TYPE II STATUS
9.  A18.15    ICD-10 A18.15  TUBERCULOSIS OF OTHER MALE GENITAL ORGANS
10. N50.1     ICD-10 N50.1  VASCULAR DISORDERS OF MALE GENITAL ORGANS

```

```

Press <RETURN> for more, '^' to exit, or Select 1-10:

```

```

11. N82.9     ICD-10 N82.9  FEMALE GENITAL TRACT FISTULA, UNSPECIFIED
12. N90.813   ICD-10 N90.813  FEMALE GENITAL MUTILATION TYPE III STATUS
13. N84.9     ICD-10 N84.9  POLYP OF FEMALE GENITAL TRACT, UNSPECIFIED
14. Z90.79    ICD-10 Z90.79  ACQUIRED ABSENCE OF OTHER GENITAL ORGAN(S)
15. A18.18    ICD-10 A18.18  TUBERCULOSIS OF OTHER FEMALE GENITAL ORGANS

```

```

Press <RETURN> for more, '^' to exit, or Select 1-15:

```

```

16. N82.1     ICD-10 N82.1  OTHER FEMALE URINARY-GENITAL TRACT FISTULAE
17. N50.9     ICD-10 N50.9  DISORDER OF MALE GENITAL ORGANS, UNSPECIFIED
18. N84.8     ICD-10 N84.8  POLYP OF OTHER PARTS OF FEMALE GENITAL TRACT
19. N90.810   ICD-10 N90.810  FEMALE GENITAL MUTILATION STATUS, UNSPECIFIE

```

```

D

```

20.	O22.11	ICD-10 O22.11	GENITAL VARICES IN PREGNANCY, FIRST TRIMESTER
Press <RETURN> for more, '^' to exit, or Select 1-20:			
21.	O22.13	ICD-10 O22.13	GENITAL VARICES IN PREGNANCY, THIRD TRIMESTER
22.	C79.82	ICD-10 C79.82	SECONDARY MALIGNANT NEOPLASM OF GENITAL ORGANS
23.	D07.69	ICD-10 D07.69	CARCINOMA IN SITU OF OTHER MALE GENITAL ORGANS
24.	N82.4	ICD-10 N82.4	OTHER FEMALE INTESTINAL-GENITAL TRACT FISTULAE
25.	O22.12	ICD-10 O22.12	GENITAL VARICES IN PREGNANCY, SECOND TRIMESTER
Press <RETURN> for more, '^' to exit, or Select 1-25:			
26.	D07.39	ICD-10 D07.39	CARCINOMA IN SITU OF OTHER FEMALE GENITAL ORGANS
27.	N50.8	ICD-10 N50.8	OTHER SPECIFIED DISORDERS OF MALE GENITAL ORGANS
28.	S39.94XS	ICD-10 S39.94XS	UNSPECIFIED INJURY OF EXTERNAL GENITALS, SEQUELA
29.	A54.23	ICD-10 A54.23	GONOCOCCAL INFECTION OF OTHER MALE GENITAL ORGANS
30.	N49.8	ICD-10 N49.8	INFLAMMATORY DISORDERS OF OTHER MALE GENITAL ORGANS
Press <RETURN> for more, '^' to exit, or Select 1-30:			
31.	A60.02	ICD-10 A60.02	HERPESVIRAL INFECTION OF OTHER MALE GENITAL ORGANS
32.	D29.9	ICD-10 D29.9	BENIGN NEOPLASM OF MALE GENITAL ORGAN, UNSPECIFIED
33.	O22.10	ICD-10 O22.10	GENITAL VARICES IN PREGNANCY, UNSPECIFIED TRIMESTER
34.	O86.19	ICD-10 O86.19	OTHER INFECTION OF GENITAL TRACT FOLLOWING DELIVERY
35.	Q55.8	ICD-10 Q55.8	OTHER CONGENITAL MALFORMATIONS OF MALE GENITAL ORGANS
Press <RETURN> for more, '^' to exit, or Select 1-35:			
36.	S30.825A	ICD-10 S30.825A	BLISTER OF UNSPECIFIED EXTERNAL GENITAL ORGANS, MALE, INITIAL
37.	S30.825D	ICD-10 S30.825D	BLISTER OF UNSPECIFIED EXTERNAL GENITAL ORGANS, MALE, SUBSEQUENT
38.	D07.60	ICD-10 D07.60	CARCINOMA IN SITU OF UNSPECIFIED MALE GENITAL ORGANS
39.	D28.9	ICD-10 D28.9	BENIGN NEOPLASM OF FEMALE GENITAL ORGAN, UNSPECIFIED
40.	T21.16XS	ICD-10 T21.16XS	BURN OF FIRST DEGREE OF MALE GENITAL REGION, SEQUELA
Press <RETURN> for more, '^' to exit, or Select 1-40:			
41.	T21.36XS	ICD-10 T21.36XS	BURN OF THIRD DEGREE OF MALE GENITAL REGION, SEQUELA
42.	S39.94XD	ICD-10 S39.94XD	UNSPECIFIED INJURY OF EXTERNAL GENITALS, SUBSEQUENT ENCOUNTER
43.	C63.9	ICD-10 C63.9	MALIGNANT NEOPLASM OF MALE GENITAL ORGAN, UNSPECIFIED
44.	R86.0	ICD-10 R86.0	ABNORMAL LEVELS OF ENZYMES IN SPECIMENS FROM MALE GENITAL ORGANS
45.	S30.826A	ICD-10 S30.826A	BLISTER OF UNSPECIFIED EXTERNAL GENITAL ORGANS, FEMALE, INITIAL

Press <RETURN> for more, '^' to exit, or Select 1-45: 45 S30.826A Blister o
f unsp external genital organs, female, init

Are you adding 'S30.826A' as a new DIAGNOSIS (the 2ND for this BLR REFERENCE L
AB ORDER/ACCESSION)? No// Y (Yes)

There are existing Diagnosis attached to this order

- 1) Dx: F19.10 Text: Other psychoactive substance abuse, uncomplicated
- 2) Dx: S30.826A Text: Blister of unsp external genital organs, female, init

Select one of the following:

A	Add a New DX
D	Delete an Existing DX
U	Use existing DX

Select an Option: U// se existing DX

Select one of the following:

C	Client
T	Third Party
P	Patient

Which Party is Responsible for Billing: : T// hird Party

Now applying Sequenced Insurer to Accession

Printing Shipping Manifests for Reference Lab...

Printing manifest for order # 1401

Now printing shipping manifest for this accession

Manifest for order # 1401

INDIAN HEALTH SERVICE EREQ

PAGE: 1 of 1

REF LAB NAME: PAML

CLIENT #: M169

FACILITY: 2013 DEMO HOSPITAL

May 27, 2015@11:37:15

ADDRESS: UPTOWN USA, ALBUQUERQUE, 89701 PHONE: 202-555-1212

=====

ORDER (Control): 1401

ORDER DATE: May 27, 2015@09:54MID: IHS-157758 (146494)

PATIENT: BALMER, JENICA LEIGH

CHART (Patient ID): 892165 PHONE:

SEX: F DOB: Oct 20, 1996

SSN: XXX-XX-2181

LOCATION: LAB (OIT TEST)

BILL TYPE: Medicaid

PRACTITIONER: RUSSELL, DOROTHY,

NPI:

LAB ARRIVAL (COLLECTION DATE/TIME): May 27, 2015@11:34:28

TEST NAME: CT/GC (R) (87999.Z11)

SAMPLE: URINE, RANDOM

SOURCE: URINE

ACCESSION (Lab Ref#): 6315000508

URGENCY: ROUTINE

LAB PROCESSING INSTR: Submit Urine Aptima Collection Kit at Room Temperature

ORDER ENTRY QUESTIONS:

Specimen Source:

URINE

DIAGNOSIS


```

Diagnosis:          DX Description:
F19.10             Other psychoactive substance abuse, uncomplicated
S30.826A          Blister of unsp external genital organs, female, init

INSURANCE
Insurer ID: AZ                Insured Name: BALMER,JENICA LEIGHRel: SELF
Insurer Name: MEDICAID       Insured Add: 3183 E PACKARD AVE
Insurer Add:                ALB NM 87119
AHCCCS                    Guarantor: BALMER JENICA LEIGH
PHOENIX AZ 85002           Guar Add: 3183 E PACKARD AVE
Insurer Group:                ALB NM 87119
Insured ID: 482331428       Guarantor Phone:
-----

```

7.1.5 Quest – GIS – Client Bill

7.1.5.1 Multipurpose Accessioning

```

Select Accessioning menu Option: multipurpose accessioning

Select Patient Name: 104664
JAMES,BENNY JR                <A>    M 01-14-1947 XXX-XX-5858    TST 104664

    Select one of the following:

        LC          LAB COLLECT(INPATIENTS-MORN. DRAW)
        SP          SEND PATIENT
        WC          WARD/CLINIC COLLECT
        I          Immed COLLECT

Specimen collected how ? : SP//    SEND PATIENT
PATIENT LOCATION: LAB (OIT TEST)
PROVIDER:    RADON,NICHOLAS M JR
LAB Order number: 1412
'?' for list, TEST number(s):
Other tests? N//Y
Select LABORATORY TEST NAME: TSH TSH (R)
Is SERUM (SST) SST(GEL) the correct sample to collect?Y//
Same specimen/source for the rest of the order? No//    (No)
Select Urgency Status: ROUTINE//
Select LABORATORY TEST NAME: GLUCOSE GLUCOSE, SERUM (R)
The Sample Is SERUM (SST) SST(GEL)
Same specimen/source for the rest of the order? No//    (No)
Select Urgency Status: ROUTINE//
Select LABORATORY TEST NAME: PSA PSA, TOTAL (R)
The Sample Is SERUM (TIGER) TIGER
Same specimen/source for the rest of the order? No//    (No)
Select LABORATORY TEST NAME:
Nature of Order/Change: POLICY//    I

You have just selected the following tests for JAMES,BENNY JR 104664
entry no. Test                      Sample
1          TSH (R)                   SERUM (SST) SERUM
2          GLUCOSE, SERUM (R)        SERUM (SST) SERUM
3          PSA, TOTAL (R)            SERUM (TIGER) SERUM

```

```

All satisfactory? Yes// (Yes)

LAB Order number: 1412

Collection Date@Time: NOW// (MAY 27, 2015@12:56:50)
~For Test: GLUCOSE, SERUM (R) SERUM (SST) SERUM
Enter Order Comment:

Do you want to enter a different Clinical Indication for each test?? N// O

*****
** Patient has no entries in the PROBLEM File with SNOMED codes. **
*****

BLR SNOMED SELECT          May 27, 2015 12:57:16          Page: 1 of 13
You MUST Select an appropriate SNOMED code.

      SNOMED      SNOMED DESCRIPTION      ICD
1) 1233306012 Diabetes insipidus,diabetes mellitus, optic atroph E11.39
2) 1233305011 DIDMOAD - Diabetes insipidus,diabetes mellitus, op E11.39
3) 1233308013 Diabetes insipidus,diabetes mellitus, optic atroph E11.39
4) 354316011 Renal diabetes E74.8
5) 1220208016 Labile diabetes ZZZ.999
6) 16500010 Latent diabetes R73.02
7) 19931010 Brittle diabetes ZZZ.999
8) 121589010 Diabetes mellitus ZZZ.999
9) 16501014 Chemical diabetes R73.02
10) 137634015 Anemia of diabetes ZZZ.999
11) 141694013 Phosphate diabetes E83.39
12) 26721014 Diabetes insipidus E23.2
13) 131669014 Child diabetes diet ZZZ.999
14) 483885013 Mason-type diabetes ZZZ.999
15) 505370019 Anaemia of diabetes ZZZ.999
16) 57058012 Adult diabetes diet ZZZ.999
+ Enter ?? for more actions
S Select SNOMED Number or Other Action
Select Action:NEXT SCREEN// S Select SNOMED Number or Other Action
Enter a number (1-16):
This is a required response. Enter '^' to exit

Create new Listing of SNOMED codes (Y/N)? YES//

BLR SNOMED SELECT          May 27, 2015 12:57:51          Page: 1 of 13
You MUST Select an appropriate SNOMED code.

      SNOMED      SNOMED DESCRIPTION      ICD
      SNOMED      SNOMED DESCRIPTION      ICD
1) 121589010 Diabetes mellitus ZZZ.999
2) 249794016 FH: Diabetes mellitus Z83.3
3) 121590018 Diabetes mellitus, NOS ZZZ.999
4) 251591016 H/O: diabetes mellitus ZZZ.999
5) 502372015 DM - Diabetes mellitus ZZZ.999
    
```

```

6) 197761014   Type 2 diabetes mellitus           E11.9
7) 197763012   Diabetes mellitus type 2           E11.9
8) 197984010   Type 1 diabetes mellitus           E10.9
9) 197985011   Diabetes mellitus type 1           E10.9
10) 494564012  Type I diabetes mellitus           E10.9
11) 77728011   Diabetes mellitus type I           E10.9
12) 2658852011 Brittle diabetes mellitus         ZZZ.999
13) 493774016  Type II diabetes mellitus          E11.9
14) 73465010   Diabetes mellitus type II          E11.9
15) 2871747019 Unstable diabetes mellitus         ZZZ.999
16) 475513014  Maternal diabetes mellitus         ZZZ.999
+      Enter ?? for more actions
S      Select SNOMED Number or Other Action
Select Action:NEXT SCREEN// S      Select SNOMED Number or Other Action

```

```

ACCESSION:  SO 15 521  <6315000521>
TSH (R)
GENERAL PROCESSING INST.:  1 mL Refrigerated Serum

```

Please select the appropriate account number for this accession

- 1) 49501252
- 2) 66000009

Which account number for this accession : (1-2): 1

```

ACCESSION:  SO 15 522  <6315000522>
GLUCOSE, SERUM (R)           SERUM (SST)  SERUM
LAB PROCESSING INSTRUCTIONS:  PRIMARY TRANSPORT TUBE, Refrigerated

```

```

ACCESSION:  SO 15 523  <6315000523>
PSA, TOTAL (R)           SERUM (SST)  SERUM
Printing Shipping Manifests for Reference Lab...
Printing manifest for order # 1412

```

Manifest for order #1412

```

                                INDIAN HEALTH SERVICE EREQ                PAGE: 1 of 1

REF LAB NAME: QUEST                      CLIENT #: 49501252

FACILITY: 2013 DEMO HOSPITAL              May 27, 2015@12:58:15
ADDRESS: UPTOWN USA, ALBUQUERQUE, 89701  PHONE: 202-555-1212
=====

ORDER (Control): 1412                    ORDER DATE: May 27, 2015@12:56:50MID: IHS-157773
(146509)

PATIENT: JAMES,BENNY JR                  CHART (Patient ID): 104664    PHONE:
SEX: M   DOB: Jan 14, 1947              SSN: XXX-XX-5858
LOCATION: LAB (OIT TEST)                   BILL TYPE: Client
PRACTITIONER: RADON,NICHOLAS M JR,      NPI: 1194790881
LAB ARRIVAL (COLLECTION DATE/TIME): May 27, 2015@12:56:50

TEST NAME: TSH (R) (0)                    SAMPLE: SERUM (SST)

```

```

SOURCE: SERUM                                ACCESSION (Lab Ref#): 6315000521
                                           URGENCY: ROUTINE
LAB PROCESSING INSTR: Aliquote sera into Plastic Transport Vial; transport at Room
Temp
DIAGNOSIS
Diagnosis:                                DX Description:
E11.9                                     Type 2 diabetes mellitus without complications

TEST NAME: PSA, TOTAL (R) (5363)            SAMPLE: SERUM (TIGER)
SOURCE: SERUM                               ACCESSION (Lab Ref#): 6315000523
                                           URGENCY: ROUTINE

LAB PROCESSING INSTR:
DIAGNOSIS
Diagnosis:                                DX Description:
E11.9                                     Type 2 diabetes mellitus without complications

TEST NAME: GLUCOSE, SERUM (R) (483)        SAMPLE: SERUM (SST)
SOURCE: SERUM                               ACCESSION (Lab Ref#): 6315000522
                                           URGENCY: ROUTINE

LAB PROCESSING INSTR: PRIMARY TRANSPORT TUBE, Refrigerated
DIAGNOSIS
Diagnosis:                                DX Description:
E11.9                                     Type 2 diabetes mellitus without complications

```

7.1.6 Quest – LEDI – Third Party Billing

Accessioning tests ordered by provider order entry – adding a Diagnosis.

In this example, a diagnosis has been stored and forwarded, but the user has chosen to add another diagnosis. Note also, that the user has an option to select from two different account numbers.

```

CHOOSE 1-2: 1  Accessioning tests ordered by provider order entry

BALMER,JENICA LEIGH                892165                Requesting location: LOT
Date/Time Ordered: 05/27/2015 13:07        By: RUSSELL,DOROTHY
Lab Order #: 1413                      Provider: RUSSELL,DOROTHY
URINE,RANDOM
CT/GC (R)                ROUTINE Requested (WARD COL) for: 05/27/2015@13:07
Clinical Indication: Misuses drugs
ICD:F19.10                Other psychoactive substance abuse, uncomplicated
Is this the correct order? Yes//  YES
Collection Date@Time: //n (MAY 27, 2015@13:10:46)

ACCESSION: SO 15 525 <6315000525>
CT/GC (R)                URINE,RANDOM URINE
LAB PROCESSING INSTRUCTIONS: Submit Urine Aptima Collection Kit at Room
Temperature

Please select the appropriate account number for this accession
1) 49501252
2) 66000009
Which account number for this accession : (1-2): 1
There are existing Diagnosis attached to this order

```

1) Dx: F19.10 Text: Other psychoactive substance abuse, uncomplicated

Select one of the following:

- A Add a New DX
- D Delete an Existing DX
- U Use existing DX

Select an Option: U// Add a New DX

Enter ICD Diagnosis code for billing: GENITAL

252 matches found

1. A51.0 ICD-10 A51.0 PRIMARY GENITAL SYPHILIS
2. N81.89 ICD-10 N81.89 OTHER FEMALE GENITAL PROLAPSE
3. N82.5 ICD-10 N82.5 FEMALE GENITAL TRACT-SKIN FISTULAE
4. N82.8 ICD-10 N82.8 OTHER FEMALE GENITAL TRACT FISTULAE
5. N81.9 ICD-10 N81.9 FEMALE GENITAL PROLAPSE, UNSPECIFIED

Press <RETURN> for more, '^' to exit, or Select 1-5:

6. N90.818 ICD-10 N90.818 OTHER FEMALE GENITAL MUTILATION STATUS
7. N90.811 ICD-10 N90.811 FEMALE GENITAL MUTILATION TYPE I STATUS
8. N90.812 ICD-10 N90.812 FEMALE GENITAL MUTILATION TYPE II STATUS
9. A18.15 ICD-10 A18.15 TUBERCULOSIS OF OTHER MALE GENITAL ORGANS
10. N50.1 ICD-10 N50.1 VASCULAR DISORDERS OF MALE GENITAL ORGANS

Press <RETURN> for more, '^' to exit, or Select 1-10:

11. N82.9 ICD-10 N82.9 FEMALE GENITAL TRACT FISTULA, UNSPECIFIED
12. N90.813 ICD-10 N90.813 FEMALE GENITAL MUTILATION TYPE III STATUS
13. N84.9 ICD-10 N84.9 POLYP OF FEMALE GENITAL TRACT, UNSPECIFIED
14. Z90.79 ICD-10 Z90.79 ACQUIRED ABSENCE OF OTHER GENITAL ORGAN(S)
15. A18.18 ICD-10 A18.18 TUBERCULOSIS OF OTHER FEMALE GENITAL ORGANS

Press <RETURN> for more, '^' to exit, or Select 1-15:

16. N82.1 ICD-10 N82.1 OTHER FEMALE URINARY-GENITAL TRACT FISTULAE
17. N50.9 ICD-10 N50.9 DISORDER OF MALE GENITAL ORGANS, UNSPECIFIED
18. N84.8 ICD-10 N84.8 POLYP OF OTHER PARTS OF FEMALE GENITAL TRACT
19. N90.810 ICD-10 N90.810 FEMALE GENITAL MUTILATION STATUS, UNSPECIFIED

D

20. O22.11 ICD-10 O22.11 GENITAL VARICES IN PREGNANCY, FIRST TRIMESTER

Press <RETURN> for more, '^' to exit, or Select 1-20:

21. O22.13 ICD-10 O22.13 GENITAL VARICES IN PREGNANCY, THIRD TRIMESTER
22. C79.82 ICD-10 C79.82 SECONDARY MALIGNANT NEOPLASM OF GENITAL ORGANS
23. D07.69 ICD-10 D07.69 CARCINOMA IN SITU OF OTHER MALE GENITAL ORGANS
24. N82.4 ICD-10 N82.4 OTHER FEMALE INTESTINAL-GENITAL TRACT FISTULAE
25. O22.12 ICD-10 O22.12 GENITAL VARICES IN PREGNANCY, SECOND TRIMESTER

Press <RETURN> for more, '^' to exit, or Select 1-25:

26. D07.39 ICD-10 D07.39 CARCINOMA IN SITU OF OTHER FEMALE GENITAL ORGANS

27. N50.8 ICD-10 N50.8 OTHER SPECIFIED DISORDERS OF MALE GENITAL ORGANS
28. S39.94XS ICD-10 S39.94XS UNSPECIFIED INJURY OF EXTERNAL GENITALS, S

EQUELA
 29. A54.23 ICD-10 A54.23 GONOCOCCAL INFECTION OF OTHER MALE GENITAL ORGANS

30. N49.8 ICD-10 N49.8 INFLAMMATORY DISORDERS OF OTH MALE GENITAL ORGAN S

Press <RETURN> for more, '^' to exit, or Select 1-30:

31. A60.02 ICD-10 A60.02 HERPESVIRAL INFECTION OF OTHER MALE GENITAL ORGANS

32. D29.9 ICD-10 D29.9 BENIGN NEOPLASM OF MALE GENITAL ORGAN, UNSPECIFIED

33. O22.10 ICD-10 O22.10 GENITAL VARICES IN PREGNANCY, UNSPECIFIED TRIMESTER

34. O86.19 ICD-10 O86.19 OTHER INFECTION OF GENITAL TRACT FOLLOWING DELIVERY

35. Q55.8 ICD-10 Q55.8 OTH CONGENITAL MALFORMATIONS OF MALE GENITAL ORGANS

Press <RETURN> for more, '^' to exit, or Select 1-35:

36. S30.825A ICD-10 S30.825A BLISTER OF UNSP EXTERNAL GENITAL ORGANS, MALE, INIT

37. S30.825D ICD-10 S30.825D BLISTER OF UNSP EXTERNAL GENITAL ORGANS, MALE, SUBS

38. D07.60 ICD-10 D07.60 CARCINOMA IN SITU OF UNSPECIFIED MALE GENITAL ORGANS

39. D28.9 ICD-10 D28.9 BENIGN NEOPLASM OF FEMALE GENITAL ORGAN, UNSPECIFIED

40. T21.16XS ICD-10 T21.16XS BURN OF FIRST DEGREE OF MALE GENITAL REGION, SEQUELA

Press <RETURN> for more, '^' to exit, or Select 1-40:

41. T21.36XS ICD-10 T21.36XS BURN OF THIRD DEGREE OF MALE GENITAL REGION, SEQUELA

42. S39.94XD ICD-10 S39.94XD UNSPECIFIED INJURY OF EXTERNAL GENITALS, SUBS ENCINTR

43. C63.9 ICD-10 C63.9 MALIGNANT NEOPLASM OF MALE GENITAL ORGAN, UNSPECIFIED

44. R86.0 ICD-10 R86.0 ABN LEV ENZYMES IN SPECIMENS FROM MALE GENITAL ORGANS

45. S30.826A ICD-10 S30.826A BLISTER OF UNSP EXTERNAL GENITAL ORGANS, FEMALE, INIT

Press <RETURN> for more, '^' to exit, or Select 1-45: 45 S30.826A Blister of unsp external genital organs, female, init

Are you adding 'S30.826A' as a new DIAGNOSIS (the 2ND for this BLR REFERENCE LAB ORDER/ACCESSION)? No// Y (Yes)

There are existing Diagnosis attached to this order

1) Dx: F19.10 Text: Other psychoactive substance abuse, uncomplicated

2) Dx: S30.826A Text: Blister of unsp external genital organs, female, init

Select one of the following:

A	Add a New DX
D	Delete an Existing DX
U	Use existing DX

Select an Option: U// se existing DX

Select one of the following:

C	Client
T	Third Party
P	Patient

Which Party is Responsible for Billing: : T// hird Party
Now applying Sequenced Insurer to Accession

Accessioning tests ordered by provider order entry – Multiple Tests - Using an existing Diagnosis as well as adding a Diagnosis.

Select Accessioning menu Option: Accessioning tests ordered by provider order entry

BALMER,JENICA LEIGH 892165 Requesting location: LOT
Date/Time Ordered: 05/27/2015 13:07 By: RUSSELL,DOROTHY
Lab Order #: 1414 Provider: RUSSELL,DOROTHY

SERUM (TIGER)

RPR w/rfx (R) ROUTINE Requested (SEND PATIENT) for: 05/27/2015@13:07

Clinical Indication: Misuses drugs

ICD:F19.10 Other psychoactive substance abuse, uncomplicated

BALMER,JENICA LEIGH 892165 Requesting location: LOT

Date/Time Ordered: 05/27/2015 13:07 By: RUSSELL,DOROTHY

Lab Order #: 1414 Provider: RUSSELL,DOROTHY

SERUM (SST)

HEPATITIS C Antibody (R)

ROUTINE Requested (SEND PATIENT) for: 05/27/2015@13:07

Clinical Indication: Misuses drugs

ICD:F19.10 Other psychoactive substance abuse, uncomplicated

HIV 1/2 (R) ROUTINE Requested (SEND PATIENT) for: 05/27/2015@13:07

Clinical Indication: HIV positive

ICD:Z21. Asymptomatic human immunodeficiency virus infection status

Is this the correct order? Yes// YES

Collection Date@Time: //N (MAY 27, 2015@13:12:22)

Do you have the entire order? YES

ACCESSION: SO 15 526 <6315000526>

RPR w/rfx (R) SERUM (TIGER) SERUM

Please select the appropriate account number for this accession

1) 49501252

2) 66000009

Which account number for this accession : (1-2): 1

There are existing Diagnosis attached to this order

1) Dx: F19.10 Text: Other psychoactive substance abuse, uncomplicated

2) Dx: Z21. Text: Asymptomatic human immunodeficiency virus infection status

Select one of the following:

A	Add a New DX
D	Delete an Existing DX
U	Use existing DX

Select an Option: U// se existing DX

Which Party is Responsible for Billing: : T// hird Party
Now applying Sequenced Insurer to Accession

ACCESSION: SO 15 527 <6315000527>
HEPATITIS C Antibody (R) SERUM (SST) SERUM
LAB PROCESSING INSTRUCTIONS: Primary tube is acceptable; transport at Room Temp.

There are existing Diagnosis attached to this order

- 1) Dx: F19.10 Text: Other psychoactive substance abuse, uncomplicated
- 2) Dx: Z21. Text: Asymptomatic human immunodeficiency virus infection status

Select one of the following:

- | | |
|---|-----------------------|
| A | Add a New DX |
| D | Delete an Existing DX |
| U | Use existing DX |

Select an Option: U// Add a New DX
Enter ICD Diagnosis code for billing: CHRONIC HE

103 matches found

1. B18.2 ICD-10 B18.2 CHRONIC VIRAL HEPATITIS C
2. B18.8 ICD-10 B18.8 OTHER CHRONIC VIRAL HEPATITIS
3. K73.9 ICD-10 K73.9 CHRONIC HEPATITIS, UNSPECIFIED
4. K72.11 ICD-10 K72.11 CHRONIC HEPATIC FAILURE WITH COMA
5. B18.9 ICD-10 B18.9 CHRONIC VIRAL HEPATITIS, UNSPECIFIED

Press <RETURN> for more, '^' to exit, or Select 1-5: 1 B18.2 Chronic viral hepatitis C

Are you adding 'B18.2' as a new DIAGNOSIS (the 3RD for this BLR REFERENCE LAB ORDER/ACCESSION)? No// Y (Yes)

There are existing Diagnosis attached to this order

- 1) Dx: F19.10 Text: Other psychoactive substance abuse, uncomplicated
- 2) Dx: Z21. Text: Asymptomatic human immunodeficiency virus infection status
- 3) Dx: B18.2 Text: Chronic viral hepatitis C

Select one of the following:

- | | |
|---|-----------------------|
| A | Add a New DX |
| D | Delete an Existing DX |
| U | Use existing DX |

Select an Option: U// se existing DX

ACCESSION: SO 15 528 <6315000528>
HIV 1/2 (R) SERUM (SST) SERUM
GENERAL PROCESSING INST.: HIV-1 screen with reflex to Western Blot and HIV-1 DNA Qualitative if initial screen is positive.

LAB PROCESSING INSTRUCTIONS: Collection Instructions

Tube must be labeled with patient identifier and submitted only for HIV


```

testing. Tube should be spun after clotting and remain unopened.

There are existing Diagnosis attached to this order

1) Dx: F19.10 Text: Other psychoactive substance abuse, uncomplicated
2) Dx: Z21. Text: Asymptomatic human immunodeficiency virus infection status
3) Dx: B18.2 Text: Chronic viral hepatitis C

Select one of the following:

A Add a New DX
D Delete an Existing DX
U Use existing DX

Select an Option: U// se existing DX
    
```

Note that the process of building and shipping a manifest are unchanged. The Building option is shown below.

```

Select Lab Shipping Menu Option: SMB Build Shipping Manifest
Select Shipping Configuration: QUEST
Use default accession dates? YES//
Exclude previously removed tests from building? YES//
Using shipping manifest# 8992-20150424-1
Searching accession area: SENDOUTS
There were 4 specimens added
Print Shipping Manifest? NO// YES

DEVICE:

*** DO NOT USE FOR SHIPPING DOCUMENT - WORK COPY ONLY ***
Shipping Manifest: 8992-20150424-1 Page: 1
to Site: QUEST DIAGNOSTICS Printed: May 27, 2015@13:13
from Site: 2013 DEMO HOSPITAL
Status: OPEN Ship via: COURIER
Shipping Condition: ROOM TEMPERATURE Container: FORMALIN VIAL

Patient Name Patient ID Lab Reference #
Date of Birth Sex Specimen UID
Requested By Collect Date/Time
-----
Item: 1 BALMER,JENICA LEIGH 892165 1413
Oct 20, 1996 Female 6315000525
-RUSSELL,DOROTHY May 27, 2015@13:10

Specimen Container: URINE TRANSPORT
-----
Account Number: 49501252
Bill Type: T
Insurer ID: AZ
Insurer Name: MEDICAID Telephone:
Insurer Address: AHCCCS PHOENIX AZ 85002
Insured Name: BALMER JENICA LEIGH Relationship: Self
Insured Address:
Guarantor: BALMER JENICA LEIGH Telephone: 555-555-5936
Guarantor Address: 3183 E PACKARD AVE ALB NM 87119
Insured ID: 482331428
-----
    
```

Diagnosis: F19.10 Description: Other psychoactive substance abuse, unc
 Diagnosis: S30.826A Description: Blister of unsp external genital organs

 CT/GC (R) URINE

QUEST DIAGNOSTICS Order Code [Name]: 11363 [GC/CT NAA]

Item: 2 BALMER, JENICA LEIGH 892165 1414
 Oct 20, 1996 Female 6315000526
 -RUSSELL, DOROTHY May 27, 2015@13:12

Specimen Container: PRIMARY

Account Number: 49501252
 Bill Type: T
 Insurer ID: AZ
 Insurer Name: MEDICAID Telephone:
 Insurer Address: AHCCCS PHOENIX AZ 85002
 Insured Name: BALMER JENICA LEIGH Relationship: Self
 Insured Address:
 Guarantor: BALMER JENICA LEIGH Telephone: 555-555-5936
 Guarantor Address: 3183 E PACKARD AVE ALB NM 87119
 Insured ID: 482331428

Diagnosis: F19.10 Description: Other psychoactive substance abuse, unc
 Diagnosis: Z21. Description: Asymptomatic human immunodeficiency vir
 Diagnosis: B18.2 Description: Chronic viral hepatitis C

 RPR w/rfx (R) SERUM Cost: \$2.30

QUEST DIAGNOSTICS Order Code [Name]: 799 [RPR W/RFX]

Item: 3 BALMER, JENICA LEIGH 892165 1414
 Oct 20, 1996 Female 6315000527
 -RUSSELL, DOROTHY May 27, 2015@13:12

Specimen Container: PRIMARY

HEPATITIS C Antibody (R) SERUM

QUEST DIAGNOSTICS Order Code [Name]: 8472 [HEPATITIS C ANTIBODY]

Item: 4 BALMER, JENICA LEIGH 892165 1414
 Oct 20, 1996 Female 6315000528
 -RUSSELL, DOROTHY May 27, 2015@13:12

Specimen Container: PRIMARY

HIV 1/2 (R) SERUM Cost: \$1.00

QUEST DIAGNOSTICS Order Code [Name]: 19728 [HIV AB, HIV 1/2]

8.0 Corrected Issues

Several issues have been corrected by this patch.

8.1 Unbundling of CPT Codes to PCC Corrected

Due to a programming error, the BLRLINK4 routine unbundles the CPT bundling of Panels of tests (i.e., it includes all CPT codes for all tests in a panel), which requires the billing office to re-bundle the tests (i.e., remove all CPT codes except the main one). The routine was corrected to no longer unbundle the Panels' tests.

8.2 Modified Routine LR7OR2 - Get Lab results

This correction will allow users to list lab test information in EHR and/or in RPMS without an error being thrown due to malformed data in the Lab Data (#63) file.

8.3 Modified Routine LR7OSUM4 - Silent Patient Cumulative

This routine is part of the EHR Cumulative Report, not the RPMS Cumulative report. This modification will allow users to scroll through the report without errors impacting them.

8.4 Inappropriate Collection Samples for In-house Microbiology Cultures

When in-house Microbiology orders are accessioned, the Collection Sample being stored into the Accession (#68) file is modified to be the "first" Collection Sample of the test in Laboratory Test (#60) file, even if the Collection Sample on the Order is not.

The LRWLST1 routine has been modified to ensure the Collection Sample in the Accession file matches the Collection Sample on the test in the Lab Order Entry (#69) file.

8.5 8.5 Lab Micro Reports Not Showing Virology Results

The Meaningful Use Stage 2 (MU2) Microbiology report that is displayed in EHR does not display the Virology Results.

The solution was to restore the original Microbiology report.

8.6 Uncoded ICD .999 preventing claim generation

The modifications made to the Clinical Indication process for MU2 allowed users to select SNOMED codes that were not mapped to valid ICD codes. The uncoded diagnosis code for ICD9 is .999 for ICD9 and it is ZZZ.999 for ICD-10.

Those codes were stored in the Lab Order Entry (#69) file and passed to PCC. However, that created issues with billing in that an uncoded ICD code prevents the bill from being processed.

It was determined that the most efficient solution would be to not pass the uncoded ICD codes to PCC and that would alert the billing processors that a valid ICD code needed to be entered.

The BLRLINK3 routine was modified to prevent the uncoded ICD codes from being passed to PCC, even though the codes will be stored in the IHS Lab Transaction Log (#9009029) file.

9.0 VistA Lab's Emerging Pathogen Initiative (EPI) Menu Options Deactivated

The VistA Lab's Emerging Pathogen Initiative (EPI) module is not used by IHS. All EPI options will be deactivated during the post install phase of the installation of IHS Lab Patch LR*5.2*1034 so that RPMS Lab users do not, inadvertently, go into any of the EPI menus.

9.1 EPI Options List

The following is a listing of the EPI options that will be deactivated.

Option	Menu Text
LREPI (EPI) PARAMETER UPDATE	Emerging Pathogens Parameter update
LREPI DELETE LOCAL PATHOGEN	Delete Local Pathogen
LREPI DELETE LOCAL REPORT	Delete Local Report or Spreadsheet
LREPI ENHANCE MANUAL RUN	Lab EPI Manual Run (Enhanced)
LREPI ENTER/EDIT LOCAL PATH	Enter/Edit Local Pathogens
LREPI GENERATE REPORT/SP	Lab EPI Generate Local Report/Spreadsheet
LREPI LOCAL PATHOGEN MENU	Local Pathogen Menu
LREPI NIGHTLY TASK	Lab EPI Nightly Task
LREPI PARAMETER SETUP	Lab EPI Parameter Setup
LREPI PATHOGEN INQUIRY	Pathogen Inquiry
LREPI PRINT REPORT/SPSHT	Lab EPI Print Local Report/Spreadsheet
LREPI PROTOCOL EDIT	Lab EPI Protocol Edit
LREPI SEARCH EXTRACT MENU	Lab EPI Primary Menu
LREPI VERIFICATION REPORT	Print Detailed Verification Report
LREPIDATASERVER	LREPI TRANSMIT DATA SERVER
LREPILK	Antimicrobial Link Update
LREPI SERVER	LREPI Data Server

Glossary

Accession Area

A functional area or department in the laboratory where specific tests are performed.

Accession Number

A unique alpha-numeric (combination of letters and numbers) assigned to an individual patient specimen when it is received in the laboratory.

Client Bill

The reference laboratory sends a consolidated bill for all testing performed for a site to the collecting facility on a periodic basis regardless of any patient payor status.

EHR

An acronym for Electronic Health Record, a GUI tool used for both entry and display of patient demographic and clinical data.

File

A set of related records or entries treated as a single unit.

FileMan

The database management system for the VA's VistA system and IHS' RPMS system.

GUI

An acronym for Graphical User Interface, a Windows based application that allows use of the mouse and standard Windows tools for displaying data, accessing menus, and initiating actions.

HL7

Health Level Seven. An ANSI approved American National Standard for electronic data exchange in health care

ICD

International Classification of Diseases. It is formally known as the International Statistical Classification of Diseases and Related Health Problems, a medical classification list by the World Health Organization (WHO).

ICD-9

The 9th revision of the International Statistical Classification of Diseases and Related Health Problems (ICD).

ICD-10

The 10th revision of the International Statistical Classification of Diseases and Related Health Problems (ICD).

IEN

Internal Entry Number. A unique number used to identify an entry within a file.

IHS

Indian Health Service. An Operating Division (OPDIV) within the U.S. Department of Health and Human Services (HHS).

Menu

A list of choices for computing activity. A menu is a type of option designed to identify a series of items (other options) for presentation to the user for selection.

MUMPS

MUMPS (Massachusetts General Hospital Utility Multi-Programming System) or alternatively M, is a general-purpose computer programming language that provides ACID (Atomic, Consistent, Isolated, and Durable) transaction processing.

Order

An electronic, written, or verbal request to have one or more laboratory tests performed.

Option

An RPMS menu selection to perform a desired action.

Parameter

A name in a function or subroutine definition that is replaced by, or bound to, the corresponding actual argument when the function or subroutine is called.

RPMS

Resource and Patient Management System. A suite of software applications used at IHS facilities to support administrative, clerical, and clinical functions.

VA

Veteran's Administration. United States Department of Veterans Affairs

VistA

The Veterans Health Information Systems and Technology Architecture. An enterprise-wide information system built around an Electronic Health Record (EHR), used throughout the VA medical system.

Third Party Billing

A reference laboratory interface is called a Third Party Billing interface if patient insurance information is sent along with the laboratory test orders. The reference laboratory can directly bill any third party payers(s) for the laboratory testing performed using that information.

Contact Information

If you have any questions or comments regarding this distribution, please contact the OIT Help Desk (IHS).

Phone: (888) 830-7280 (toll free)

Web: <http://www.ihs.gov/helpdesk/>

Email: support@ihs.gov