RESOURCE AND PATIENT MANAGEMENT SYSTEM

IHS Lab Patch 20 Addenda

(LM)

User Manual

Version 1.0
September 2005

Office of Information Technology (OIT)
Division of Information Resource Management
Albuquerque, New Mexico

Table of Contents

Preface

The purpose of this guide is to provide the Lab Manager with documentation that will aid in their use of the features/enhancements of Lab Patch 20 by presenting the information in a more readable format.

1.0   Introduction

IHS Lab Patch 20 incorporates changes and/or enhancements to the Lab Package that were set forth in a Work Order presented to IHS/OIT by the Lab PSG.

This guide provides IHS Lab Managers with descriptions of the changes and/or enhancements and other necessary information in a more readable format.

2.0   Non-Microbial State Health Department Report

2.1   Enhancement

This patch provides the ability to allow non-microbial tests to be sent in a standard report format to state health departments, based upon criteria determined by the state, and is an enhancement to the current IHS Laboratory system.

This section includes the following information:

- Security Key BLRSHDRC

- Overview

- Reportable Lab Tests Data Dictionary (90475)

- Reportable Lab Tests Set Up

- Sample Reports

2.2   Security Key BLRSHDRC

The State Health Dept Report menu can only be viewed and accessed by users with the new security key BLRSHDRC.

2.3   Overview

The new Health Department Report capability for non-microbial tests is driven via entries in a new FileMan compliant data dictionary, REPORTABLE LAB TESTS, file 90475. This number is within the DBA assigned range for BLR.

The address that will be printed on the report will be derived from the user's INSTITUTION file entry stored in DUZ(2). This can be over-ridden.

```
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
3400  Will re-initialize the 3400 Label Printer
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
EDT   Edit Provider/Ordering Location Menu ... REFLAB Reference Lab Main
Menu ...
CLR   Clear BLR errors from error log
```

```
CUM   IHS CUMULATIVE MENU ...
SHDR  State Health Dept Report
```

> Note: The SHDR State Health Dept Report option can only be
>   accessed by users with the new security key BLRSHDRC.

2.4   Reportable Lab Tests Data Dictionary (90475)

The REPORTABLE LAB TESTS (90475) data dictionary is the "driver" for the Non-Microbial State Health Department report. The entries in the data dictionary are what trigger which test results are reported.

The fields in the file are:

2.4.1   Field .01 -- TEST POINTER

The Test Pointer field is a pointer to the Laboratory Test file (60). It determines what test will be selected for potential reporting.

2.4.2   Field .03 -- VALUE (NUMERIC)

The Value (Numeric) field is used if the result from the test will be numeric. This is tied to the next field, Condition, in that the Value (Numeric) is checked against the Lab results using the Value (Numeric) entry combined with the entry in the Condition field.

2.4.3   Field .04 -- CONDITION

The Condition field is used to determine if the Lab result meets the criteria to be included on the report if and only if there is a value in the Value (Numeric) field. There are three possible selections:

- 4: STANDS FOR: LESS THAN (<)

- 5: STANDS FOR: EQUALS (=)

- 6:STANDS FOR: GREATER THAN (>)

2.4.4   Field 1 -- VALUE (SET) (multiple)

The Value (Set) field is used if the Laboratory Test has a set of values that have been defined. Since it is a multiple, there can be as many values as needed.

2.4.5   Field 2 -- REPORTING TEXT

The Reporting Text field is an optional field that will replace the Laboratory Test name entry.

2.4.6   Field 4 -- VALUE (TEXT) (multiple)

The Value (Text) field is used if the Laboratory Test returns text as values. Because the field is a multiple, there are two sub-fields:

2.4.6.1   01 VALUE (TEXT)

The Value (Text) field is used if the result from the test will be text. This is tied to the next field, Condition, in that the Value (Text) is checked against the Lab results using the Value (Text) entry combined with the entry in the Condition field.

2.4.6.2   .02 CONDITION

The Condition field is used to determine if the Lab result meets the criteria to be included on the report if and only if there is a value in the Value (Text) field. There are four possible selections:

- 2: STANDS FOR: CONTAINS ([)
- 4: STANDS FOR: LESS THAN (<)
- 5: STANDS FOR: EQUALS (=)
- 6: STANDS FOR: GREATER THAN (>)

2.5   Reportable Lab Tests Set Up

This section provides instructions for setting up tables for the following reports required by state health departments:

- RPR
- Hemoglobin A1C
- Estimated GFR

> **Note:** Contact your state health department to determine which reports are required and the parameters for those tests.

This section is organized into three tasks:

- finding the data name
- reviewing the data name
- setting up the reportable lab test file

It also includes the data dictionary and samples of each report.

2.5.1   Finding the Data Name

The first task in setting up the tables is finding the data name. The following procedure provides instructions.

To find the data name:

1. Go to VA FileMan.

2. Type Enter or Edit File Entries at the Select VA FileMan Option: prompt.

3. Enter 60-LABORATORY TEST at the INPUT TO WHAT FILE prompt.

4. Type DATANAME at the EDIT WHICH FIELD: ALL prompt.

5. Press Enter at the THEN EDIT FIELD: prompt.

6. Type RPR at the Select LABORATORY TEST NAME:prompt.

7. Press Enter at the RPR,QUAL prompt.

8. Type HEMOGLOBIN AIC at the Select LABORATORY TEST NAME: prompt.

9. Press Enter.

10. Type ESTIMATED GFR at the Select LABORATORY TEST NAME: prompt.

11. Press Enter.

You have now named the three tests: RPR, Hemoglobin AIC, and Estimated GFR. The next step is to review these data names.

2.5.2   Reviewing the Data Names

The second task in setting up the tables is reviewing the data names. The following procedure provides instructions.

To review the data names:

1. Go to the Laboratory DHCP Menu.

2. Enter 11 Supervisor menu at the Select Laboratory DHCP Menu Option: 11 prompt.

3. Type LAB LIAISON menu at the Select Supervisor menu Option: prompt.

4. Type MOD Modify an existing data name at the Select Lab liaison menu Option: prompt.

This option allows you to modify an existing data name.

5. Type RPR, QUAL at the Select CHEM, HEM, TOX, RIA, SER, etc. SUB-FIELD: prompt.

The following information appears:

```
Data Name: RPR,QUAL Subfield #: 559  Type: SET OF CODES
NR -   NONREACTIVE
WR  -    WK.REACTIVE
R  -   REACTIVE

Do you wish to modify this data name? No
```

6. Type No at the Do you wish to modify this data name? No prompt.

7. Type MOD Modify an existing data name at the Select Lab liaison menu Option: prompt.

This option allows you to modify an existing data name.

8. Type HEMOGLOBIN A1C at the Select CHEM, HEM, TOX, RIA, SER, etc. SUB-FIELD: prompt.

```
The following information appears:
Data Name: HEMOGLOBIN A1C Subfield #: 462  Type: NUMERIC Input Transform: S
Q9="0,99,1" D ^LRNUM
Minimum value: 0
Maximum value: 99
Maximum # decimal digits: 1

Do you wish to modify this data name? No
```

9. Type No at the Do you wish to modify this data name? No prompt.

10. Type MOD Modify an existing data name at the Select Lab liaison menu Option: prompt.

11. Type GFR at the Select CHEM, HEM, TOX, RIA, SER, etc. SUB-FIELD: prompt.

The following information appears:

```
Data Name: ESTIMATED GFR  Subfield #: 1575149 Type: FREE TEXT
Input Transform: K:$L(X)>7!($L(X)<1) X
Minimum length: 1
Maximum length: 7

Do you wish to modify this data name? No
```

12. Type No at the Do you wish to modify this data name? No prompt.

You have now reviewed the parameters for the three tests: RPR, Hemoglobin A1C, and Estimated GFR. The next step is to configure the reportable lab test file.

2.5.3   Configuring the Lab Test File

The final task in setting up the tables is configuring the lab test file. The following procedure provides instructions.

To configure the lab test file:

1. Go to VA FileMan.

2. Type Enter or Edit File Entries at the Select VA FileMan Option: prompt.

3. Type REPORTABLE LAB TESTS at the INPUT TO WHAT FILE: LABORATORY TEST prompt.

4. Press Enter at the EDIT WHICH FIELD: ALL prompt.

5. Type HEMOGLOBIN A1C at the Select REPORTABLE LAB TESTS TEST POINTER: prompt.

6. Type Yes at the Are you adding 'HEMOGLOBIN A1C' as a new REPORTABLE LAB TESTS? No prompt.

7. Enter 4.5 at the VALUE(NUMERIC): prompt.

8. Enter 6 GREATER THAN at the CONDITION: prompt

9. Press Enter four (4) times to skip the remaining parameters.

10. Type RPR at the Select REPORTABLE LAB TESTS TEST POINTER: prompt.

11. Type Yes at the Are you adding 'RPR' as a new REPORTABLE LAB TESTS (the 2ND)? No prompt.

12. Press Enter two (2) times to skip the VALUE(NUMERIC): and CONDITION: prompts.

13. Type R for Reactive at the Select VALUE (SET) prompt.

14. Type Yes at the Are you adding 'R' as a new VALUE (SET) (the 1ST for this REPORTABLE LAB TESTS)? No prompt.

15. Type WR for Weakly Reactive at theVALUE (SET) prompt.

16. Type Yes at the Are you adding 'WR' as a new VALUE (SET) (the 2ND for this REPORTABLE LAB TESTS)? No prompt.

17. Press Enter four (4) times to skip the remaining parameters.

18. Type ESTIMATED GFR at the Select REPORTABLE LAB TESTS TEST POINTER: prompt.

19. Type Yes at the Are you adding 'ESTIMATED GFR' as a new REPORTABLE LAB TESTS (the 3RD)? No prompt.

20. Press Enter five (5) times to skip the remaining parameters.

21. Enter 100 at the VALUE (TEXT): prompt.

22. Type Yes at the Are you adding '100' as a new VALUE (TEXT) (the 1ST for this REPORTABLE LAB TESTS)? No prompt.

23. Enter 4 LESS THAN at the CONDITION: prompt.

24. Press Enter to skip the VALUE (TEXT): prompt.

You have now configured the parameters for the three reports. This completes the procedures for setting up the table for the non-microbial state health department reports.

2.6   Sample Reports

The section provides samples of the three non-microbial state health department reports. Remember when printing these reports to print to a 132 character printer.

2.6.1   HEMOGLOBIN A1C Sample

The following report is provided as an example.

```
NM HEALTH DEPARTMENT REPORT                          DULCE HEALTH CENTER
                                            5300 Homestead Rd., NE., Albuquerque..
NM  87110
From 07/21/05 to 07/21/05                       ****** CONFIDENTIAL ******
Printed: 07/21/05     Page: 1


Name                          ID#      DOB           Sex Lab #          Sample
Col Dt    Cpl Dt    Provider
      Phone #                 Address
Location
-----------------------------------------------------------------------
Reporting Test: HEMOGLOBIN A1C

BEHA,AARON ANTONIO            102504   06/24/1973    M   CH 0721 2       BLOOD
07/21/05  07/21/05  RICE,CURTIS
      555-555-7458            PO BOX 456                       SANOSTEE
NEW MEXICO    87528     OPD
      Result: 6.7
      Current COMMUNITY:  DULCE















_____         _____
Medical Technologist                           Date
```

2.6.2   RPR Sample

The following report is provided as an example.

```
mt..8.1.UO
Frofl'l  01/'l.l/ OS  eo 01/'l.l/ OS
Printed:  01/'l.l/05   P.age:  2
•=•
```

```
ID#    DOB Sex L.ab  #   S-.ple

Col Dt    Cpl Dt
Phone #
Loc.at ion

Reporting Te5t: """

Provider


Addre55

HYNZ,URSULA &.  U21    05/U/USS  r   SO OS z   BLOOD
01/2.1/0S    01/2.1/0S    GPI:Elf,K/\nlf  L
SSS-SSS-16 3 POB  198  S.I.P.I
liiEW MEXICO 81528
Re5ult: PI:ACTIVE
Current COHMUlll1TY:       DULCE

HERJU,ED  B  U2012  U/ l/U53  M   SO OS 4   BLOOD
01/2.1/0S     01/2.1/0S    BEATTY,PATRICI<
SSS-SSS-9043 PO BOX 33>    TOHATCHI
liiEW MEXICO 81528  ER
Re5ult: PI:ACTIVE
Current COHMUU ITY:    DULCE

HAPliiEliiDAZ ,HEATHER  DEE  U3396  U/2.8/U14 r  SO OS 3   BLOOD
01/2.1/0S    01/2.1/0S    C Y,MA
SSS-SSS-4990 PO  B.OX ..s.s   BENF
liiEW MEXICO 81528  OPD
Re5ult: WI<P. I:ACT IVE
Current COHMUliiiTY:    BLOOHriELD


JUA,CAROLYN
U3U1
09/0l/ U8 r
SO  OS  5
BLOOD
01/2.1/0S    01/2.1/0S &PEEN,KAPI:N  L
SSS-SSS-452.4
liiEW MEXICO 8152.8 POB  52.3
SUR        SAliM ILL
Re5ult: WI< .PI:ACTIVE
Current COHMUliiiTY:    DULCE


Medic•l Technologi5t  D•te
```

2.6.3   Estimated GFR Sample

The following report is provided as an example.

```
mt..8.1.UO
Frofl'l  01/'l.l/ OS  to 01/'l.l/ OS
Printed:  01/'l.l/05   P.age:   6

ll=•




ID#    DOB Sex L# S-.ple

Col Dt    Cpl Dt
Phone #
Loc.at ion

Provider


Addre55



Reporting Te5t: ESTIMATED   &I'R

THOliDARYRUlJ,m:LL IE    C U66S'J 06/30/ U11
01/2.1/ OS   01/2.1/ OS     RICE ,f.UCHAI:L  D
SSS-SSS-6468 POB  894
m:w MEXICO   81528  ER
Re5ult: pending
Current COHHUNITY:     DULCE



r  CH  0123  BLOOD

PICURIS
```

3.0   Test Maximum Increased to 365 Days.

The frequencies of ordering ALL Lab tests have been modified to a maximum of 365 days.

Be aware that existing test that are null or have an existing MAX ORDER FREQ value WILL NOT be changed by this update. Existing values will have to be manually modified.

User Manual   Test Maximum Increased to 365 Days.
September 2005

12

4.0 Provider/Location Field Modification

4.1 Enhancement

The ability to allow selected users to modify the Provider and/or Location of an order after results are verified is an enhancement to the current IHS Laboratory system.

4.2 Overview

A new Option, EDT, has been added to the BLRMENU for users granted a new Security Key, BLRCHGPL, that allows the modification of the Provider and/or Location field on orders AFTER results are verified. It changes the Provider/Location in 5 files:

- Accession file
- Order file
- Lab Data file
- IHS Lab Transaction file
- PCC V LAB file

4.3 Security Key BLRCHGPL

The Edit Provider/Ordering Location menu can only be viewed and accessed by users with the new security key BLRCHGPL.

4.4 Exceptions

The value(s) in the PCC V LAB file WILL NOT be changed if the Accession is no longer in the IHS LAB TRANSACTION file. If this is attempted a noticeable WARNING message will be displayed

4.4.1 Example Exception WARNING message

```
********************************************************************* Site:
IHS/OIT LabDev Test Database
SETPTXLG -- IHS LAB TRANSACTION LOG PROBLEM

>>> ACCESSION:CH 1015 20  ORDER #:453 <<< Transaction NOT found.
*****************************************************************
```

4.5   E-SIG Transfer

If and only if BOTH "old" and "new" providers are E-SIG participants AND the E-SIG status is NOT "Reviewed", the order will be transferred to the "new" provider.

4.6   BLRMENU EDT Option

The new BLRMENU option, EDT, will appear similar to (depending upon local modifications to the BLRMENU entry in the OPTION file):

```
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
3400  Will re-initialize the 3400 Label Printer
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
EDT   Edit Provider/Ordering Location Menu ... REFLAB Reference Lab Main
Menu ...
CLR   Clear BLR errors from error log
CUM   IHS CUMULATIVE MENU ... SHDR  State Health Dept Report
EDT   Edit Provider/Ordering Location Menu ...
```

4.7   EDT Menu

The new EDT menu:

```
Edit Provider/Ordering Location Menu

EDT   Edit Provider/Ordering Location
EPR   Edited Provider Report
ELR   Edited Location Report
EBR   Edited Prov/Loc Combined Report
```

4.8   PROV LOC CHANGE Data Dictionary (90475.2)

The PROV LOC CHANGE (90475.2) data dictionary stores the before and after changes to the fields that are updated. This number is within the DBA assigned range for BLR.

The fields in the file are:

4.8.1   Field .01 -- Accession

The Accession number that has been edited.

4.8.2   Field 1 -- Old Provider (multiple)

Because the provider can be changed numerous times, this field is a multiple. The Sub fields are:

4.8.2.1   Sub-Field .01 -- Old Provider

The original provider. Entry in the New Person file (200).

4.8.2.2   Sub Field 1 -- New Provider

The "new" provider. Entry in the New Person file (200).

4.8.2.3   Sub Field 2 -- Prov Date Changed

The date/time the change occurred.

4.8.2.4   Sub Field 3 -- Prov Who Changed

The New Person entry number of the person who made the change.

4.8.3   Field 2 -- Old Location (multiple)

Because the location can be changed numerous times, this field is a multiple. The Sub fields are:

4.8.3.1   Sub-Field .01 -- Old Location

The original location. Entry in the Hospital Location file (44).

4.8.3.2   Sub Field 1 -- New Location

The "new" location. Entry in the Hospital Location file (44).

4.8.3.3   Sub Field 2 -- Loc Date Changed

The date/time the change occurred.

4.8.3.4   Sub Field 3 -- Loc Who Changed

The New Person entry number of the person who made the change.

4.9   Change Provider and Location Example

The user input is highlighted. Note that in this example a question mark is entered at the Location change prompt. This is just to highlight that it's possible to do.

```
Select IHS Lab Main Support Menu Option: EDT Edit Provider/Ordering
Location


EDT   Edit Provider/Ordering Location
EPR   Edited Provider Report
ELR   Edited Location Report
EBR   Edited Prov/Loc Combined Report

Select Edit Provider/Ordering Location Option:  EDT Edit Provider/Ordering
Location


Select Accession or UID: CH 0726 31
CHEMISTRY (JUL 26, 2005) 31
PROVIDER: DUMMY5,PROV// DUMMY3,PROV
Provider Change filed

PATIENT LOCATION:ER/UCC// ?
Answer with HOSPITAL LOCATION NUMBER, or NAME, or ABBREVIATION, or
TEAM
Do you want the entire 16-Entry HOSPITAL LOCATION List?  Y (Yes)
Choose from:
1  TEST DOC
2  TEST 2
3  DR TESTLOC 1
4  DR TESTLOC 2
5  DR TESTLOC 3
6  DR TESTLOC 4
7  DR TESTLOC 5
8  PED
9  WHITE EARTH HEALTH CENTER
10 OB
11 RADIOLOGY DEPARTMENT
12 ER/UCC
13 TESTCLINIC
14 OUT PATIENT
15 INPATIENT NORTH
16 LAB

PATIENT LOCATION:ER/UCC// 14 OUT PATIENT
...OK? Yes// (Yes) Location Change filed
```

4.10   Edited Provider Report

The EPR (Edited Provider Report) uses the LAB PROV CHNG ACC SRT sort template and the LAB PROV CHNG print template.

The report will look similar to:

```
PROVIDER CHANGED AFTER ORDER FINALIZED JUN 29,2005 14:32   PAGE 1
```

```
ACCESSION PROV DATE CHANGED ORIG PROV   CHNGD PROV   DUZ
--------------------------------------------------------------------------------
-----

CH 0610 1
   JUN 15,2005   09:30 DUMMY2,PROV   DUMMY1,PROV   DUMMY,USER
   JUN 15,2005   09:32 DUMMY1,PROV   DUMMY2,PROV   DUMMY,USER
   JUN 15,2005   09:33 DUMMY2,PROV   DUMMY1,PROV   DUMMY,USER
   JUN 15,2005   09:34 DUMMY1,PROV   DUMMY2,PROV   DUMMY,USER
   JUN 15,2005   09:38 DUMMY2,PROV   DUMMY1,PROV   DUMMY,USER
   JUN 15,2005   10:03 DUMMY1,PROV   DUMMY2,PROV   DUMMY,USER
   JUN 15,2005   10:10 DUMMY2,PROV   DUMMY1,PROV   DUMMY,USER
CH 0615 1 JUN 15,2005   14:39 DUMMY3,PROV   DUMMY1,PROV   DUMMY,USER
CH 0616 2 JUN 16,2005   13:29 DUMMY3,PROV   DUMMY2,PROV   DUMMY,USER
   JUN 16,2005   13:29 DUMMY2,PROV   DUMMY1,PROV   DUMMY,USER

CH 0622 2 JUN 16,2005
JUN 22,2005  13:29 DUMMY1,PROV
14:42 DUMMY3,PROV   DUMMY3,PROV DUMMY4,PROV DUMMY,USER DUMMY,USER
```

4.11   Edited Location Report

The ELR (Edited Location Report) uses the LAB LOC CHNG ACC SRT sort template and the LAB LOC CHNG print template.

The report will look similar to:

```
LOCATION CHANGED AFTER ORDER FINALIZED JUN 29,2005 14:40   PAGE 1
ACCESSION DATE CHANGED  ORIG LOC   CHNGD LOC DUZ
--------------------------------------------------------------------------------
-----

CH 0610 1 JUN 15,2005   09:34 OB   ER/UCC DUMMY,USER
   JUN 15,2005   09:38 ER/UCC OB DUMMY,USER
   JUN 15,2005   10:03 OB   ER/UCC DUMMY,USER
   JUN 15,2005   14:04 OB   ER/UCC DUMMY,USER
   JUN 15,2005   14:05 ER/UCC OB DUMMY,USER
   JUN 15,2005   10:10 ER/UCC OB DUMMY,USER
CH 0616 2 JUN 16,2005
JUN 16,2005  13:29 ER/UCC
13:29 OB  OB ER/UCC DUMMY,USER DUMMY,USER
```

4.12   Edited Prov/Loc Combined Report

The EBR (Edited Prov/Loc Combined Report) uses the LAB PROV LOC BOTH SRT sort template and the LAB PROV LOC print template.

The report will look similar to:

```
PROVIDER AND/OR LOCATION CHANGED AFTER ORDER FINALIZED
JUN 29,2005  14:42 PAGE 1
ORIGINAL  CHANGED
ACCESSION DATE CHANGED  PROV/LOC   PROV/LOC   DUZ
```

```
--------------------------------------------------------------------------------
-----

CH 0610 1
   JUN 15,2005  09:32 DUMMY1,PROV   DUMMY2,PROV  DUMMY,USER
   JUN 15,2005  09:34 OB  ER/UCC DUMMY,USER
   JUN 15,2005  09:38 ER/UCC OB DUMMY,USER
   JUN 15,2005  10:03 OB  ER/UCC DUMMY,USER
   JUN 15,2005  10:10 ER/UCC OB DUMMY,USER
   JUN 15,2005  14:04 OB  ER/UCC DUMMY,USER
   JUN 15,2005  14:05 ER/UCC OB DUMMY,USER
   JUN 15,2005  09:33 DUMMY2,PROV   DUMMY1,PROV  DUMMY,USER
   JUN 15,2005  09:34 OB  ER/UCC DUMMY,USER
   JUN 15,2005  09:38 ER/UCC OB DUMMY,USER
   JUN 15,2005  10:03 OB  ER/UCC DUMMY,USER
   JUN 15,2005  10:10 ER/UCC OB DUMMY,USER
   JUN 15,2005  14:04 OB
   JUN 15, 2005 14:05 ER/UCC ER/UCC OB DUMMY,USER DUMMY,USER
CH 0610 1
   JUN 15,2005  09:33 DUMMY2,PROV   DUMMY1,PROV  DUMMY,USER
   JUN 15,2005  09:34 OB  ER/UCC DUMMY,USER
   JUN 15,2005  09:38 ER/UCC OB  DUMMY,USER
   JUN 15,2005  10:03 OB  ER/UCC DUMMY,USER
   JUN 15,2005  10:10 ER/UCC OB  DUMMY,USER
   JUN 15,2005  14:04 OB
   JUN 15, 2005 14:05 ER/UCC  ER/UCC OB DUMMY,USER DUMMY,USER
```

5.0   Print Patient's Gender on Generated Order

5.1   Enhancement

The sex of the patient has been added to the electronically generated Laboratory Test Request form. This is an enhancement to the current IHS Laboratory system.

5.2   Before:

```
LABORATORY: RPMS EHR
Send Patient ORDER FOR 07/08/05
ORDER: 529      LOCATION: ER DEMO,PATIENT  101026 DOB:JUL 15,1922
ENTERED BY: DUMMY,USER 07/08/05 15:13
PRACTITIONER: DUMMY,PROV
Collection sample: BLOOD  MARBLE
TEST/PROCEDURE: GLUCOSE   ROUTINE Sign or Symptom for test GLUCOSE :
TESTING
DATE/TIME OF COLLECTION:

** PLEASE BRING THIS WITH YOU TO THE LAB **
```

5.3   After:

```
LABORATORY: RPMS EHR
Send Patient ORDER FOR 07/08/05
ORDER: 529      LOCATION: ER DEMO,PATIENT  101026 DOB:JUL 15,1922
SEX:M
ENTERED BY: DUMMY,USER 07/08/05 15:13
PRACTITIONER: DUMMY,PROV Collection sample: BLOOD MARBLE
TEST/PROCEDURE: GLUCOSE   ROUTINE Sign or Symptom for test GLUCOSE :
TESTING


DATE/TIME OF COLLECTION:
```

6.0   Select Non-active Providers as Active

> **Note:** Non-active providers are providers who do not have Access
> codes and are not logged onto the RPMS system.

6.1   Change

This is a change to the current IHS Laboratory system.

6.2   6.2 Overview

Providers who could not be selected due to being considered a non-ACTIVE provider
can now be selected IF and ONLY IF:

- They have the AUTHORIZED TO WRITE MED ORDERS entry in the NEW
  PERSON file set to YES

AND

- Any INACTIVE   DATE must be GREATER THAN or EQUAL TO Today or
  must be NULL.

If BOTH of the criteria are true, then the Provider is considered ACTIVE for the
purposes of LAB. This is a change to the LRWU1 routine that calls the new
BLRUTIL2 routine.

7.0 Accession Listing Reports Prints Correct Patients

7.1 Correction

Due to a programming error, certain Accession listings would not print the correct patients. This is a correction to the current IHS Laboratory system.

7.2 7.2 Program Corrected

The LRUPAD2 routine has been corrected.

8.0   FileMan Inquiries into Lab Data File

8.1   Correction

Previous to this patch, users trying to view Lab Data via FileMan would experience an <UNDEFINED> error if they selected the BOTH option at the Include COMPUTED fields: prompt. This is a correction to the current IHS Laboratory system.

8.2   8.2 Failure Example:

```
NUMBER: 9 LRDFN: 9
PARENT FILE: VA PATIENT    NAME: DEMO,PATIENT
LOCATION TYPE: CLINIC  REPORT ROUTING (LOCATION): OB REPORT ROUTING
(PROVIDER): PROVIDER,FAKE
DATE/TIME SPECIMEN TAKEN: FEB 19, 2004@08:11:41
DATE REPORT COMPLETED: FEB 19, 2004@08:15:05
VERIFY PERSON: TECH,LAB    SPECIMEN TYPE: BLOOD
ACCESSION: CH 0219 4   REQUESTING PERSON: PROVIDER,FAKE REQUESTING LOCATION:
OB REQUESTING LOC/DIV: OB
RPR,QUAL: WK.REACTIVE  NEW PERSON CONVERSION: 2
UID: 1040500004

X ^DD(63.04,999999901,9.3) X $P(^DD(9000001,1102.99,0),U,5,99) S
Y(63.04,9999999
01,101)=X S X=Y(63.04,999999901,101) S D0=Y(63.04,999999901,80) S
D1=Y(63.04,999
^
999901,81)
<UNDEFINED>A+2^DIQ1
11x3>
```

8.3   Corrected Example:

```
NUMBER: 9 LRDFN: 9
PARENT FILE: VA PATIENT    NAME: DEMO,PATIENT
LOCATION TYPE: CLINIC  REPORT ROUTING (LOCATION): OB REPORT ROUTING
(PROVIDER): PROVIDER,FAKE
DATE/TIME SPECIMEN TAKEN: FEB 19, 2004@08:11:41
DATE REPORT COMPLETED: FEB 19, 2004@08:15:05
VERIFY PERSON: TECH,LAB    SPECIMEN TYPE: BLOOD
ACCESSION: CH 0219 4   REQUESTING PERSON: PROVIDER,FAKE
REQUESTING LOCATION: OB   REQUESTING LOC/DIV: OB
RPR,QUAL: WK.REACTIVE  NEW PERSON CONVERSION: 2
UID: 1040500004
COMPUTED AGE (c): 16
HOSPITAL ID (c): 415-28-8614
```

9.0   9.0 Invalid Entries in URGENCY File

9.1   Correction

Some sites had invalid entries in their URGENCY file. This is a correction to the current IHS Laboratory system.

9.2   Urgency = 2

The Urgency of 2 is invalid because it no longer exists. This has been corrected to 9 (ROUTINE).

10.0   Print Institution Name, Address, & Phone

10.1   Enhancement

The Pathology Reports will now print the information at the bottom of each page of the report. This is an enhancement to the current IHS Laboratory system.

10.2   Overview

The LRAPF routine has been modified to print the INSTITUTION file (Dictionary #4) name, address, and phone # on the bottom of each page of the Pathology reports.

There has also been a modification to the BLR MASTER CONTROL file (#9009029) to allow the "over-riding" of the INSTITUTION file's address entries. The BLR MASTER CONTROL file now has 9 new fields. All are optional.

10.3   BLR MASTER CONTROL File (# 9009029) Additions

- PATH INST: The Pathology "Institution" name.

- PATH NAME: The Patholgoy contact person. Points to the NEW PERSON file (200).

- PATH TITLE: The title of the Pathology contact person.

- PATH ADDR1: Pathology Address Line 1

- PATH ADDR2 : Pathology Address Line 2

- PATH CITY: Pathology City

- PATH STATE: Pathology State. Points to file 5.

- PATH ZIP: Pathology Zip Code

- PATH PHONE: Phone number for Pathology contact

10.4   User's DUZ(2)

The user's DUZ(2) field (set by Kernel when the user logs on) will determine what Institution entry will be printed by default if nothing is entered in the BLR MASTER CONTROL file.

10.5   Multi-Divisional Sites

If the site is a multiple divisional site, each site entry in the BLR MASTER CONTROL FILE can have different values.

> **Note:** they do not have to have different values.

10.6   Example 1

10.6.1   INSTITUTION File

```
NAME: IHS/OIT LabDev Test Database      STATE: NEW MEXICO STREET ADDR. 1:
111 NOWHERE NE        CITY: ALBUQUERUQE ZIP: 87110
CONTACT: JOE DOE, CHIEF PATHOLOGIST PHONE #: 555-5555
ST. ADDR. 1 (MAILING): 123 ANYWHERE NE
CITY (MAILING): ALBUQUERQUE   STATE (MAILING): NEW MEXICO ZIP (MAILING):
87110 STATION NUMBER: 202812
AGENCY CODE: IHS    POINTER TO AGENCY: IHS CODING SYSTEM: VASTANUM ID:
202812
```

10.6.2   BLR MASTER CONTROL File

```
SITE: IHS/OIT LabDev Test Database  LAB LOG TRANSACTION: YES LAB LOG TO
PCC: YES LOG PAT DATA ONLY: YES START PROCESSING DATE: JUL 25, 2005   START
EVENT DATE: JUL 25,
2005
DAYS TO KEEP TRANSACTIONS: 180   STOP PROCESSOR: NO
TAKE SNAPSHOTS: NO ERROR OVERFLOW LIMIT: 5
LAB APPLICATION PLUG-IN: LR*5.2*1013    PLUG-IN ON/OFF?: ON LAB APPLICATION
PLUG-IN: LR*5.2*1015   PLUG-IN ON/OFF?: ON
LOINC EXPORT DEST. FOLDER: C:\LOINC\    LOINC LOCAL DESTINATION: C:\LOINC\
LOINC DAYS TO KEEP EXPORT LOG: 10   ACCESSION TEST GROUP TEMPLATE: GENERAL
PATH NAME: DUMMY2,PROV PATH PHONE: 505-555-1212
PATH TITLE: Director of Pathology
```

10.6.3   Report

```
-------------------------------------------------------------------------------
---- MEDICAL RECORD |  SURGICAL PATHOLOGY  Pg 1
-------------------------------------------------------------------------------
---- Submitted by: PROV DUMMY2 ERP  Date obtained: Dec 24, 2003
-------------------------------------------------------------------------------
---- Specimen (Received Dec 24, 2003 07:53):
TISSUE
-------------------------------------------------------------------------------
---- Brief Clinical History:
-------------------------------------------------------------------------------
---- Preoperative Diagnosis:
-------------------------------------------------------------------------------
---- Operative Findings:
-------------------------------------------------------------------------------
---- Postoperative Diagnosis:
Surgeon/physician: PROV DUMMY2 ERP
===============================================================================
==== PATHOLOGY REPORT
Laboratory: IHS/OIT LabDev Test Database   Accession No. SP 03 1
-------------------------------------------------------------------------------
----
```

```
--------------------------------------------------------------------------------
---- (See next page)
PROV DUMMY2 ERP d1p| Date Dec 24, 2003
--------------------------------------------------------------------------------
---- DEMO,PATIENT 2 STANDARD FORM 515
ID:108114 SEX:F DOB:01/06/58 AGE: 47 LOC:OPD
PROV DUMMY2 ERP

IHS/OIT LabDev Test Database 123 ANYWHERE NE ALBUQUERUQE, NM 87110
Director of Pathology: PROV DUMMY2  Phone:505-555-1212




--------------------------------------------------------------------------------
---- MEDICAL RECORD |  SURGICAL PATHOLOGY  Pg 2
--------------------------------------------------------------------------------
---- PATHOLOGY REPORT
Laboratory: IHS/OIT LabDev Test Database   Accession No. SP 03 1
--------------------------------------------------------------------------------
---- TEST SP

TEST SP


--------------------------------------------------------------------------------
---- (End of report)
PROV DUMMY2 ERP d1p| Date Dec 24, 2003
--------------------------------------------------------------------------------
---- DEMO,PATIENT 2 STANDARD FORM 515
ID:108114 SEX:F DOB:01/06/58 AGE: 47 LOC:OPD
PROV DUMMY2 ERP

IHS/OIT LabDev Test Database 123 ANYWHERE NE ALBUQUERUQE, NM 87110
Director of Pathology:PROV DUMMY2   Phone:505-555-1212
```

10.7   Example 2

10.7.1   INSTITUTION File

```
NAME: IHS/OIT LabDev Test Database      STATE: NEW MEXICO STREET ADDR. 1:
111 NOWHERE NE        CITY: ALBUQUERUQE ZIP: 87110
CONTACT: JOE DOE, CHIEF PATHOLOGIST PHONE #: 555-5555
ST. ADDR. 1 (MAILING): 123 ANYWHERE NE
CITY (MAILING): ALBUQUERQUE   STATE (MAILING): NEW MEXICO ZIP (MAILING):
87110 STATION NUMBER: 202812
AGENCY CODE: IHS   POINTER TO AGENCY: IHS CODING SYSTEM: VASTANUM ID:
202812
```

10.7.2   BLR MASTER CONTROL File

```
SITE: IHS/OIT LabDev Test Database  LAB LOG TRANSACTION: YES LAB LOG TO
PCC: YES  LOG PAT DATA ONLY: YES START PROCESSING DATE: JUL 25, 2005  START
EVENT DATE: JUL 25,
```

```
2005
DAYS TO KEEP TRANSACTIONS: 180   STOP PROCESSOR: NO
TAKE SNAPSHOTS: NO ERROR OVERFLOW LIMIT: 5
LAB APPLICATION PLUG-IN: LR*5.2*1013    PLUG-IN ON/OFF?: ON LAB APPLICATION
PLUG-IN: LR*5.2*1015   PLUG-IN ON/OFF?: ON
LOINC EXPORT DEST. FOLDER: C:\LOINC\    LOINC LOCAL DESTINATION: C:\LOINC\
LOINC DAYS TO KEEP EXPORT LOG: 10   ACCESSION TEST GROUP TEMPLATE: GENERAL
PATH NAME: DUMMY2,PROV PATH PHONE: 505-555-6611
PATH TITLE: Director of Pathology   PATH ADDR1: 333 NOTHERE NW PATH CITY:
ALBUQUERQUE  PATH STATE: NEW MEXICO
PATH ZIP: 87113
```

10.7.3   Report

```
--------------------------------------------------------------------------------
---- MEDICAL RECORD |  SURGICAL PATHOLOGY  Pg 1
--------------------------------------------------------------------------------
---- Submitted by: PROV DUMMY2 ERP  Date obtained: Dec 24, 2003
--------------------------------------------------------------------------------
---- Specimen (Received Dec 24, 2003 07:53):
TISSUE
--------------------------------------------------------------------------------
---- Brief Clinical History:
--------------------------------------------------------------------------------
---- Preoperative Diagnosis:
--------------------------------------------------------------------------------
---- Operative Findings:
--------------------------------------------------------------------------------
---- Postoperative Diagnosis:
Surgeon/physician: PROV DUMMY2 ERP
================================================================================
==== PATHOLOGY REPORT
Laboratory: IHS/OIT LabDev Test Database   Accession No. SP 03 1
--------------------------------------------------------------------------------
----


--------------------------------------------------------------------------------
---- (See next page)
PROV DUMMY2 ERP tpf| Date Dec 24, 2003
--------------------------------------------------------------------------------
---- DEMO,PATIENT 2 STANDARD FORM 515
ID:108114 SEX:F DOB:01/06/58 AGE: 47 LOC:OPD
PROV DUMMY2 ERP

IHS/OIT LabDev Test Database 333 NOTHERE NW ALBUQUERQUE, NM 87113
Director of Pathology:PROV DUMMY2   Phone:505-555-6611




--------------------------------------------------------------------------------
---- MEDICAL RECORD |  SURGICAL PATHOLOGY  Pg 2
--------------------------------------------------------------------------------
---- PATHOLOGY REPORT
Laboratory: IHS/OIT LabDev Test Database   Accession No. SP 03 1
--------------------------------------------------------------------------------
---- TEST SP

TEST SP
```

```
-------------------------------------------------------------------------------
---- (End of report)
PROV DUMMY2 ERP tpf| Date Dec 24, 2003
-------------------------------------------------------------------------------
---- DEMO,PATIENT 2 STANDARD FORM 515
ID:108114 SEX:F DOB:01/06/58 AGE: 47 LOC:OPD
PROV DUMMY2 ERP

IHS/OIT LabDev Test Database 333 NOTHERE NW ALBUQUERQUE, NM 87113
Director of Pathology:PROV DUMMY2    Phone:505-555-6611
```

11.0 IHS CUMULATIVE Menu Reprint Options

11.1 Correction

Previous to this patch, whenever a user selected the IHS CUMULATIVE MENU and tried to REPRINT a cumulative report for a given patient, it was not possible due to the menu only allowing 3 options to be selected. This was an issue due to the first 30 characters of both the REPRINT CUMULATIVE ON A GIVEN LOCATION and REPRINT CUMULATIVE ON A GIVEN PATIENT were exactly the same. This has been changed so the first 30 characters of all 4 reprint options are different.

11.2 Before

```
Select OPTION NAME: IHS CUMULATIVE MENU BLRAC IHS CUMULATIVE MENU  IHS
CUMULATIVE MENU


MANUAL QUEUING OF CUMULATIVE Manual Queuing of Fileroom Cum
Reprint a permanent page from cumulative Reprint cumulative from location
to location Reprint cumulative on a given location Reprint cumulative on a
given patient
Patient Lab Discharge Summary (Manual) Print a full patient summary
TASK THE CUMULATIVE TO RUN EAC

Select IHS CUMULATIVE MENU Option: REPRINT
1  Reprint a permanent page from cumulative
2  Reprint cumulative from location to location
3  Reprint cumulative on a given location
CHOOSE 1-3:
```

11.3 After

```
Select OPTION NAME: IHS CUMULATIVE MENU BLRAC IHS CUMULATIVE MENU  IHS
CUMULATIVE MENU
MANUAL QUEUING OF CUMULATIVE Manual Queuing of Fileroom Cum
Reprint a permanent page from cumulative Reprint cumulative from location
to location Reprint cumulative on a selected patient Reprint cumulative on
a given location Patient Lab Discharge Summary (Manual)
Print a full patient summary
TASK THE CUMULATIVE TO RUN EAC

Select IHS CUMULATIVE MENU Option: REPRINT
1  Reprint a permanent page from cumulative
2  Reprint cumulative from location to location
3  Reprint cumulative on a given location
4  Reprint cumulative on a selected patient
CHOOSE 1-4:
```

Contact Information

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

Phone: (505) 248-4371 or (888) 830-7280 (toll free)

Fax: (505) 248-4363

Web: http://www.ihs.gov/GeneralWeb/HelpCenter/Helpdesk/index.cfm

Email: support@ihs.gov