



RESOURCE AND PATIENT MANAGEMENT SYSTEM

IHS Lab Patch 20 Addenda (Lab Manager)

User's Guide

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Office of Information Technology
Albuquerque, New Mexico

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.

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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 3 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 2 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 4 possible selections:

- 2 STANDS FOR: CONTAINS (I)
- 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 the VALUE (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
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  Address
Phone #
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
555-555-7468      PO BOX 456      SANOSTEE
NEW MEXICO      87528      OPD
Result: 5.7
Current COMMUNITY: DULCE
```

Medical Technologist

Date

2.6.2 RPR Sample

The following report is provided as an example.

```

NM HEALTH DEPARTMENT REPORT                                DULCE HEALTH CENTER
                                                            5300 Homestead Rd., NE., Albuquerque, NM
NM 87110
From 07/21/05 to 07/21/05                                ***** CONFIDENTIAL *****
Printed: 07/21/05      Page: 2

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

HYNZ,URSULA G.      102711  05/16/1955  F   30 05 2      BLOOD
07/21/05  07/21/05  GREEN,KAREN L
555-555-7613      POB 798      S.I.P.I
NEW MEXICO  87528      GEN
Result: REACTIVE
Current COMMUNITY: DULCE

HERJU,ED B          102072  12/11/1953  M   30 05 4      BLOOD
07/21/05  07/21/05  BEATTY,PATRICK
555-555-9043      PO BOX 331    TOHATCHI
NEW MEXICO  87528      ER
Result: REACTIVE
Current COMMUNITY: DULCE

HARMENDAZ,HEATHER DEE  103396  10/28/1974  F   30 05 3      BLOOD
07/21/05  07/21/05  CURRY,MARK A
555-555-4990      PO BOX 856    BENT
NEW MEXICO  87528      OPD
Result: WK.REACTIVE
Current COMMUNITY: BLOOMFIELD

JUA,CAROLYN         103127  09/01/1981  F   30 05 5      BLOOD
07/21/05  07/21/05  GREEN,KAREN L
555-555-4524      POB 523      SAMMILL
NEW MEXICO  87528      SUR
Result: WK.REACTIVE
Current COMMUNITY: DULCE

_____  

Medical Technologist                                     Date

```

NM HEALTH DEPARTMENT REPORT

DULCE HEALTH CENTER

2.6.3 Estimated GFR Sample

The following report is provided as an example.

```
MM 87110                               5300 Homestead Rd., NE., Albuquerque, NM
From 07/21/05 to 07/21/05                ***** CONFIDENTIAL *****
Printed: 07/21/05      Page: 6

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

THONDARYRUN, NELLIE C      106653      06/30/1977      F      CH 0721 3      BLOOD
07/21/05  07/21/05  RICE, MICHAEL D
555-555-5468      POB 894      PICURIS
NEW MEXICO      87528      ER
Result: pending
Current COMMUNITY: DULCE
```

Medical Technologist

Date

3.0 Test Maximum Increased to 365 Days

The frequency of ordering ALL Lab tests has been modified to a maximum of 365 days.

Be aware that existing tests 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.

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:

- 1) Accession file
- 2) Order file
- 3) Lab Data file
- 4) IHS Lab Transaction file
- 5) 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? **X** (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 similiar 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
	JUN 16,2005 13:29 DUMMY1,PROV	DUMMY3,PROV DUMMY,USER
CH 0622 2	JUN 22,2005 14:42 DUMMY3,PROV	DUMMY4,PROV 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 similiar 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 13:29 ER/UCC	OB DUMMY,USER
	JUN 16,2005 13:29 OB	ER/UCC 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 similiar to:

PROVIDER AND/OR LOCATION CHANGED AFTER ORDER FINALIZED					
JUN 29,2005 14:42 PAGE 1					
ACCESSION	DATE	CHANGED	ORIGINAL PROV/LOC	CHANGED 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
CH 0610 1	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	ER/UCC	DUMMY,USER
	JUN 15,2005	14:05	ER/UCC	OB	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 Nonactive Providers as Active

Note: Nonactive 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 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 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 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 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 Pathology 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: ALBUQUERQUE
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 dlp| 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 dlp| 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:
```

12.0 Contact Information

If you have any questions or comments regarding this distribution, please contact the OIT Help Desk by:

Phone: (505) 248-4371 or

(888) 830-7280

Fax: (505) 248-4363

Web: <http://www.rpms.ihs.gov/TechSupp.asp>

Email: ITSCHelp@mail.ihs.gov