

20540 – Importing Epic Report Data Into CAREWare Using the CAREWare PDI Facility

Author:

Kevin Faaborg, PACT Data Manager

faaborgk@upmc.edu

Contributors:

Anne Ehrenberger, Lead Medical Records Abstractor

ehrenbergeram@upmc.edu

Julie Vitale, DISQ Team

jvitalie@caiglobal.org

20
22

NATIONAL
RYAN WHITE
CONFERENCE
ON HIV CARE & TREATMENT

Epic Labs Report

- Criteria established for Labs for the Epic lab report include:
 - Patient is anyone seen at PACT in the previous 2 years
 - Labs can be ordered by any department within UPMC, not just PACT
 - Patient labs are reported if they are resulted in the two-week period contained in the report
 - Image on the right shows a slice of the Labs import file

LAB_REFERENCE		P	GENDER	SPECIMEN_C	RESU	TEST_	TEST_TYPE_I	TEST_I
80061 CHOLESTEROL	G B L		M	20060427		119	CHOL	154
80061 CHOLESTEROL	G B L		M	20060717		119	CHOL	152
80061 CHOLESTEROL	G B L		M	20050426		119	CHOL	112
80061 CHOLESTEROL	G B L		M	20050825		119	CHOL	145
80061 CHOLESTEROL	G B L		M	20070416		119	CHOL	156
80061 CHOLESTEROL	G B L		M	20080911		119	CHOL	179
80061 CHOLESTEROL	G B L		M	20110406		119	CHOL	183
LAB11895 CHOLESTEROL	G B L		M	20210528	NM	119	CHOL	84
LAB11895 CHOLESTEROL	Li R		M	20220414	NM	119	CHOL	221
LAB11895 CHOLESTEROL	M R M		M	20220413	NM	119	CHOL	147
LAB11895 CHOLESTEROL	D		F	20220420	NM	119	CHOL	198
80061 CHOLESTEROL	O S A		F	20110520		119	CHOL	213
LAB11895 CHOLESTEROL	Lt Ji E		M	20220329	NM	119	CHOL	123
80061 CHOLESTEROL	O S A		F	20200103	NM	119	CHOL	187
80061 CHOLESTEROL	O S A		F	20130201		119	CHOL	209
80061 CHOLESTEROL	O S A		F	20181026	NM	119	CHOL	178

Test Cross Reference Table

- Cross-reference table lists Epic lab descriptions with matching CAREWare test descriptions.
 - Table is manually updated during the import process to reflect new Epic labs and their CAREWare equivalents
 - Epic labs that do not have a CAREWare equivalent are not assigned a CAREWare test ID number.
 - Image on the right shows Epic matches for a CAREWare Viral Load

TEST_TYPE_ID	TEST_TYPE_NAME	CW_Key	Test
4159	COPIES	12	Viral Load
4172	HIV-2 AB EIA	12	Viral Load
5025	HIV-1 RNA BY PCR	12	Viral Load
8284	HIV1 COPIES/ML	12	Viral Load
8413	COPIESML	12	Viral Load
8531	HIV-1/HIV-2 AB. LIFESOURCE	12	Viral Load
11548	HIV1SSRNAINTERP	12	Viral Load
11715	HIV-2, DNA, QUANT	12	Viral Load
12422	HIV PCR (COPIES/ML)	12	Viral Load
12615	DONORHIV1DISCRIMNATORY	12	Viral Load
14898	HIV-1/HIV-2 ANTIBODY, WITH REFLEXES	12	Viral Load
15539	HIV-1 AND HIV-2 AB	12	Viral Load
15686	HIV-1 RNA BY PCR	12	Viral Load
17629	HIV VIRAL LOAD	12	Viral Load
36765	VIRAL LOAD	12	Viral Load
68038	HIV-1 RNA, QN RT-PCR	12	Viral Load
68039	"HIV 1 RNA, QN PCR, EXP RANGE"	12	Viral Load
68512	"HIV-1, ANTIBODY, QUALITATIVE"	12	Viral Load
69695	HIV-1 DNA, QL, PCR	12	Viral Load

Test Limits Table

- Limits table contains Epic lab result phrases and their numeric CAREWare equivalents
 - Table is manually updated when Epic lab results are changed
 - Image on the right shows results for a Viral Load
 - Matching result is posted to the output table in Comma Separated Value (CSV) format
 - Epic labs are converted to CAREWare format in about 10 seconds

Text_result	Low_limit	Hi_limit		Default_res	New_result
Sample unacceptable for testing			<input type="checkbox"/>	<input checked="" type="checkbox"/>	N/A
			<input type="checkbox"/>	<input checked="" type="checkbox"/>	N/A
<12			<input type="checkbox"/>	<input checked="" type="checkbox"/>	<12
Specimen received leaking/broken.			<input type="checkbox"/>	<input checked="" type="checkbox"/>	N/A
Specimen too old for analysis.			<input type="checkbox"/>	<input checked="" type="checkbox"/>	N/A
Quantity not sufficient.			<input type="checkbox"/>	<input checked="" type="checkbox"/>	N/A
Specimen incorrectly labeled.			<input type="checkbox"/>	<input checked="" type="checkbox"/>	N/A
	0.000	100000000000.000	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Not detected			<input type="checkbox"/>	<input checked="" type="checkbox"/>	<40
Undetected			<input type="checkbox"/>	<input checked="" type="checkbox"/>	<40
non-detectable			<input type="checkbox"/>	<input checked="" type="checkbox"/>	<40
<20			<input type="checkbox"/>	<input checked="" type="checkbox"/>	<20
<40			<input type="checkbox"/>	<input checked="" type="checkbox"/>	<40

- Automated process is limited to services that can be easily processed for CAREWare including:
 - HIV Primary Medical Care
 - Mental Health Services
 - Nutrition Therapy Services
 - Peer Advocate
- Services report from Epic for a calendar month
- Provider Table that includes staff that performs ONE of the above services is used
- Insurance and patient demographic data is included to allocate service to correct contract (Part C, Part D, or Insured Visits)
- Only completed visits are included
- Services NOT imported, requiring manual data entry, include:
 - Medical Case Management
 - Case Management (non-medical)
 - RW Part B funded services
 - Program Income funded services
- Case Managers can address any number of issues in one encounter, so our abstractor reads the notes and parses them to CAREWare sub-services

CAREWare DTM and PDI

CAREWare Data Translation Module (DTM)

- DTM is configured to read a specific file format
- Tests and services are run using separate options and at separate times
- DTM converts from Comma Separated Value (CSV) to CAREWare Provider Data Import (PDI) format
- DTM and PDI are proven capabilities

CAREWare PDI to import tests and services

- Go to Administrative Options
- Select Import/Export
- Select Provider Data Import
- Select New Import
- Select the file you want
- Import the file to the CAREWare holding area
- Process the import
- Use Import Details to track progress
- Manually scroll between pages to reset displayed values