University of Mississippi Medical Center Ginger Barnett, MSN, RN

> Lab Data and ADAP Importation



WHO ARE WE?

- UMMC maintains CW instance for ~20 providers across MS
- Providers include
 - Health Department clinics and ADAP
 - Local and Hospital Clinics
 - Correctional Facilities and County Jails
 - State Mental Health Hospitals

Project Decision



- CAREWare was chosen due to its user friendliness
- Lab data import vs manual entry
- Eliminate possible non-medical human error
- Providers used LabCorp

10/14/2010



Initial Prep for Lab Import

- Each Provider established a new separate acct # with LabCorp
- jProg changed PID19 and MSH6 fields to accommodate multiple providers for LabCorp hypersend



Steps to Import

- jProg assigns an Activation Code for each LabCorp acct#/Provider
- Activation Code entered
- Map the Provider with LabCorp as the data source



Mapping Providers

Provider Mapping										
Edit Provider Mapping										
									Close	1
	MSH3 (Application ID):	MSH3 (Application ID): MSH6 (Provider ID): Matching Va			alue:				Liose	
	UMSLab UMS-Lab			UMS-Lab					Save	
	RW CAREWare Provider:		Table Name:		F	Field Name:				1
								Cancel		
	sity of Mississippi Adult HIV I	Program 👻	cw_map_clie	ent_provider	▼	map_cl_(_client_id			1
			1 · T I I			Purge By Provider	ы	Delete Mapping		
	RW CAREWare Data Sour	Client Demographic Threshold:								
	CW Labs		75							
	1									
	Account Type	MSH3(LabI	D) Mati	ching Value	MSH6(Provi	iderID)	Provider	Table I	Name	^
	Split Account (Active)	1100	MBC	01842	MB001842			cw_ma	ap_client_provider	
	Sub Account (Active)	1100		04285	MB001842		GA Carmichael Fa	_cw_ma	ap_client_provider	
	Sub Account (Inactive) 1100			23206070 MB001842						
	Sub Account (Inactive) 1100				MB001842					
	Sub Account (Inactive) 1100				MB001842					
	Sub Account (Active) 1100					MB001842 GA Carm MB001842 MD0C-\v		cw_map_client_provider		Ξ.
	Sub Account (Active) 1100			23310335			MDOC-Wide	_	ap_client_provider	
	Sub Account (Active) 1100			23206090 MB001842			MDOC-Wide	_	ap_client_provider	
	Sub Account (Active) 1100			23801990 MB00184				cw_ma	ap_client_provider	
	Sub Account (Inactive)	1100		02869	MB001842				r	
	Split Account (Active)	1100		12503	TE012503		11.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1		ap_client_provider	
	Main Account (Active)	UMSLab	UM:	6-Lab	UMS-Lab		University of Missis	CW_ma	ap_client_provider	×
	<								>	

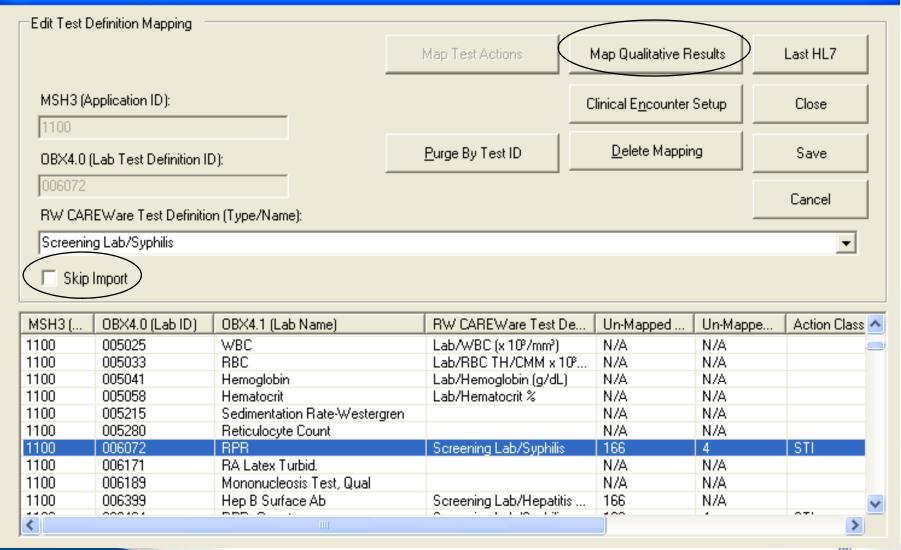
Mapping Test Definitions

Test Definition Mapping									
Edit Test D	efinition Mapping								
		_	Map Test Actions	Map Qualitative Re	sults Last	HL7			
	pplication ID):			Clinical E <u>n</u> counter S	etup Clo	ise			
1100		I	Purge By Test ID	Delete Mapping		ive			
OBX4.0 (I	Lab Test Definition II	D):				VC			
550421	550421								
RW CAR	RW CAREWare Test Definition (Type/Name):								
Lab/Viral	Lab/Viral Load (Copies/mL)								
	Load (Copies/mL)								
Lab/WB(C (x 10º/mm²)								
Screening									
MScreening	g/Blastomycosis anti g/Breast Biopsy	gen				s 🔨			
UScreening									
fff Screenin	g/Child Developmen	t Screening							
	g/CMV Eye Screen					×			
UMSLab	HIVPCRQN2	HIV RNA QUANT(VIRAL LOA	D) Lab/Viral Load (Copies		N/A				
UMSLab	PVHIVSUB	HIV SUBTYPE	-		N/A				
UMSLab	HIV1WB	HIV-1 IGG ABS-IMMUNOBLO	1		N/A				
UMSLab	HIVAGS	HIV-1 P24 AG			N/A				
UMSLab	HIVAGC	HIV-1 P24 NEUTRALIZATION	4		N/A				
UMSLab 1100	HIVPHENOR 550421	HIV-1 PHENOTYPE	Lab A Gal Land (Casies		N/A N/A				
1100	000421	HIV-1 RNA by PCR	Lab/Viral Load (Copies		N/A	×			
<		1111				>			

HL7FileName R_MB001842_XX_193_101024.HL7		Last) [7/12/	Modified Date		
	HL7 segments (O	,	2010	Last	: HL7
8970515980 201007121010 F	^LABI550420^RNA, Real Time PCR (G LII7570 copies/mLIIIIN FI 201007101436	raph)^L 201007081042 20100708.	2035 41314509003		
Segment Values				Unit of	
Control Number (OBR 2):	18970515980	Test Value Type (OBX 2):	NM		
Ascension Number (OBR 3):	18970515980	Test ID (OBX 3a):	550421	Measure	ement
Order ID (OBR 4a):	550420	Test Name (OBX 3b):	HIV-1 RNA by PCR		
Order Name (OBR 4b):	RNA, Real Time PCR (Graph)	Test Coding System (OBX 3c):			
Order Coding System (OBR 4c):	L	Test Result (OBX 5):	7570		
Order Action Code (OBR 11):		Unit of Measure (OBX 6):	copies/mL		
Order Date Reported (OBR 22);	201007081042	Reference Range (OBX 7):			
Order Result Status (OBR 25):	F	Abnormal Flag (OBX 8):			
		Nature Abnormal (OBX 10):			
Comments/Notes (NTE):	The reportable range for this	Test Result Status (OBX 11);	F		
	assay is 48 to 10,000,000 copies HIV-1 RNA/mL.	Test Producer ID (OBX 15):	LA		
	Close	7			
				University of Mississ Health Care	sippi

Mapping Qualitative Data

Test Definition Mapping



Mapping Qualitative Results

Qualitative Test Result Mapping								
Edit Qualitative Test Result Mapping								
		Clinical E <u>n</u> counter Setup	Close					
MSH3 (Application ID):	OBX4.0 (Lab Test Definition ID):		Save					
1100	186098	<u>P</u> urge By Result	Delete Mapping					
RW CAREWare Test Definition (Type/Nam	ie):							
Screening Lab/Chlamydia			Cancel					
OBX6 (Reported Result):	RW CAREWare	e Result:						
	2/Presumptive							
Skip Import								
		[
OBX6 (Reported Result)	RW CAREWare Qualitative Result	Skip Import	<u>^</u>					
POS [®] H POSITIVE	1/Positive	No						
Positive	1/Positive 1/Positive	No No						
Positive	1/Positive	No						
POSITIVE	1/Positive	No						
POSPRO	1/Positive	No						
Presumptive	2/Presumptive	No						
REA(NOTES)	1/Positive	No						
Reactive	1/Positive	No						
REACTIVE	1/Positive	No	=					
RESISTANCE	1/Positive	No	~					
			>					

Checking for Unmapped ClientsOpen Provider domain

Admin Options/HL7 Client Mapping

🚸 Unmapped Clients							_ 🗆 🗡
	ID	Name	DOB	Gender	Address	Phone	# of Tests
Esc Close	0000	TEST, EDITEST	11/1/2001	F			42
F2 Map Selected Client							
Delete Delete Import Row							
F3 Refresh							
F5 Apply Filter							
F4 Clear Filter							
F7 Fix Incoming Data							
Tilt							
Filter:							
Last Name:							
First Name:							
Middle Name:							

10/14/2

Problems Encountered

- Quantitative data reported as qualitative (VL = TND)
- Staff using incorrect LabCorp acct #
- UMC Lab Issues:
 - Genotypes imported as + when -
 - Lag time in processing files for importation
 - Import script requires specific computer configuration

QUESTIONS??

