





Compensate for decreased FTE's
 LEAN, more efficient workflow
 Standardize Result Reporting
 Improve Turnaround times
 Paperless!!













Intelligent Rule Engine

Advanced Rule Engine

- More complex rule combinations in ONE rule
- More variables to create rules
- *More* rules for sub-sites
- Better rules to integrate discrete data
- **Higher** level of result qualification than provided by LIS
- Less operator intervention; fewer errors
- **Improved** standardization and control across shifts and labs

> UTMB



	Examples of Ru	les
Test	Rule	Action
WBC	Immature GRAN?	Verify auto diff if it matches, perform Mdiff if no match
RBC	If RBC < 3.0 and LOC = PEDs and age < 2 years	Re-run
HGB	If HGB > 16.0 and Requestor = Smith and no previous result	Reflex Smear and HOLD all tests
PLT	If PLT ABN distribution and retic ordered and PLT < 80	Hold CBC and ADIF



Navigating th	nrough MOLIS WAM
MOLIS 30 Validate Results Query Orders Sample ID Errors	_□× WAM Main Menu
Enter Orders Change Password	SIIG wam_t WAM Main Menu

Some D	-		
Or			
Receipt Dele	-		
MED-1 Poblant Pitome		Sex DOB	
Requesting Location Requesting Physician Care Unit			
Priority			
Onitors wi	In initial Conographico	Unregistered Res	uls00
SI Typ	es Orders with Orders with <u>S</u> con <u>M</u> on-DM	h Ureegiste	red Uprepitzed
17	gec Beders tor Review		Unaggistered, additional action required

Sargel Sette	a D	500000 00423	volidobae 12345 Prom 1272	Over - Suson the tree free	entative sociates Gene	Ord Standoord	ef Noca 1 Noc 448 10477	TRO M	Atten
66		H D	05/27/48	Age 54 10000	faception calls	28/05 18:14 28/05 18:14	-	_	E RIEC E ROITY
10	par form	bevol	0.fferential rated clusters	Look at 2019 Sea	cterycan e WC/9429	-			- 000 1 DELET
	Tests Vec Vec Vec Vec Vec Vec Vec Vec Vec Vec	Last 1.039-0- 1.039-0 1.039-1 1.039	BEE12-00001-0 Secolds One, 5, 17 5, 17 13 15, 17 15, 17 15, 17 15, 17 15, 17 15, 18 15, 19 15, 19 16, 19 16, 19 16, 19 16, 19 16, 19	1 1 1 1 1 1 1 1 1 1 1 1 1 1	05/25/25 27-123 52535/5104 Fc.Bey Con. 6-44 45.7 25.4 25.7 25.4 25.7 25.7 25.7 25.7 25.7 25.7 25.7 25.7	S Toris Results for 1 HTT 34,00 1 JTTP 34,00 1 5500 6.00 1 6017 3.00 1 6017 3.00 1 6017 3.00 1 602 Consistent 1 7007 Consistent 1 7007 Consistent 4 JTL20 fr	PLTO	MECRASO	
			Res 'On	ult Val e Data	lidation View'	Screen	MBC ARE South Congrad		8: Regn milioniterysterie







	Samp	le ID Er	ror	
	DLIS-WAM Sample ID Read E ole ID read error	Instr Rack Nb Pos. BXE12 000003 03 BXE12 000003 04 BXE12 000003 05 BXE12 000004 01	SMG - ALL Sample ID ERR00000000015 ERR00000000017 ERR00000000018	
\∕ ₹ UTM	Remove Selection	Print Se	Hection	

Query Orders from the Main Menu	
Validate Results WAM Main Menu Query Orders Sample ID Errors	
Unregistered Results Enter Orders Change Password	

Qu	ery Selection Screen
IOLIS-WAM Query Selec	stion
Sample ID	OR
Reception Date Reception time	05/23/05 -> 05/25/05 >=05/23/054<=05/25/05 Default Date Range is Two Calendar Days
MRN Patient Name	Sex DOB
Requesting Location Requesting Physician Care Unit	
Priority	
 Only pending Orders All Orders Only completed Orders 	CBC A-Diff Rerun NRBC ALL
	M-Diff Retics QLR ESR Scan









			υ		10	- D	a	lavas		
	On the last test	directed by beau	21481			-		14420-0		2005
		15	•	-	68 ····					
Unext: (Min: Other data Image: (Min:	Martine III	C Paccators	(in the second	-1						
		Circe/K-csRollin	1		100				Orbi-data	
Um Um<		Care Mart	-	D MIL	2.2					-
		Auros .	A Constant			1.0	- 21	t		
Unit Unit <th< td=""><td></td><td></td><td></td><td>1000</td><td></td><td></td><td></td><td></td><td></td><td></td></th<>				1000						
Unit Description Control Contro Control Control <t< td=""><td></td><td>at some start</td><td>Street.</td><td>1/merti</td><td>Distance.</td><td>Later.</td><td>Sports</td><td>and a state of the second seco</td><td></td><td></td></t<>		at some start	Street.	1/merti	Distance.	Later.	Sports	and a state of the second seco		
Um 0			C KHUM	400.00	GPS/380	CANCE	Market .	2006-01-06-02-00		
Um Um<			d apestia	000.0	GADIN	and/ind2	10141	308/10/12/0		
Um			C 100 894	887400	488	CONTRACTOR OF	14141	2081010110		
Um Um<			C 100 Not.	04.70*	COLM NO	BALLY	tatat tatat	JAME IN MICH.	-	15
Unit Unit <th< td=""><td>CONTRACTOR OF STREET, STREET,</td><td>0 4</td><td>6 sector</td><td>antwo.</td><td>10.010</td><td>0945</td><td>10191</td><td>20919-01-02</td><td></td><td></td></th<>	CONTRACTOR OF STREET,	0 4	6 sector	antwo.	10.010	0945	10191	20919-01-02		
Bit Common City Lange Lange <thlange< th=""> <thlan< td=""><td></td><td></td><td>C REEN</td><td>1000</td><td>0.08%</td><td>BANK AF</td><td>IACET.</td><td>2080.00.00.00.00</td><td>1Mda</td><td>- Participant</td></thlan<></thlange<>			C REEN	1000	0.08%	BANK AF	IACET.	2080.00.00.00.00	1Mda	- Participant
Die Die <thdie< th=""> <thdie< th=""> <thdie< th=""></thdie<></thdie<></thdie<>	194.5		C SOCORA	10030	MONT.	SMIR HED	ALC: N	20421-0016	A DE	12004001
B C District Distre <thdistre< th=""> <thdistrict< th=""></thdistrict<></thdistre<>			C stante	1967	HORTSME	1008221	14741	2001000		
Solution Solution Control Contro Control Control <		2 2 2	C HINTIN.	1984	7576	Children	WOR!	208019102		
a) e c c max max <thmax< th=""> <thmax< th=""> <thmax< th=""></thmax<></thmax<></thmax<>			C HARDON	DOM:	1000 Inchigant	DOUGHTS.	MOR.	2010/02/02		
B C Deck Deck <thdeck< th=""> Deck Deck<!--</td--><td></td><td></td><td>< 100 DOI:</td><td>1998</td><td>0805</td><td>9.88</td><td>16.01</td><td>209010000</td><td>A little providence of</td><td></td></thdeck<>			< 100 DOI:	1998	0805	9.88	16.01	209010000	A little providence of	
10 0			C IONNEL	44955	00581791	1001	14/14	2008-01-04-07-36	Ober Steen	
Bit Bit <td></td> <td></td> <td>d XHARDA</td> <td>49190</td> <td>LAU</td> <td>OGRAM</td> <td>14/14</td> <td>300 P 0 0 10 0</td> <td>Then even</td> <td></td>			d XHARDA	49190	LAU	OGRAM	14/14	300 P 0 0 10 0	Then even	
10 00<			C 1000478	1000	PORMU	WHETTING.	MARK.	200-01-08-01-72 1000-01-08-01-72		7.11
20 20<			C INTER-	10986D	.4381	read as	40.01	3006.34.39.00.26		1
21 22<			6 100004	110.00	- in mich	NORMAL INC.	Ner Pi	200-11-05-0711		
D D <thd< th=""> <thd< th=""> <thd< th=""> <thd< th=""></thd<></thd<></thd<></thd<>			C MINUTA	1040	PROFILE.	CLAURAL DAVIES	14/15	20023-342110		
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		0 e	6 10007m	479/9	shifts.	44	land.	2006-01-08-02-08		
20 00			C STRATE.	PRETU	10.04	NUMBER	1410	3997-8629		
0 € 8 0 00000 0000 0000 0000 0000 0000			C 10606A	101	140.65	VILA VILA	1410	308 N N 8 55		
			C STREEM	100,000	10400	CONDUCT.	14:47	20010483		
Laborator Test Date Ref. Verd LTVC Reschands III 211		2 2 6	a manual	110	around .	dansed .	1.0		-	اش.
		ARX/VIEW	lari.		Sec.] 1	14m	Ball.	teat a 1101 Reactions		4



























