Requirement	RequirementSa tisfied (Yes/No)	Vendor Response/Submission/Comments
§170.302.k: Submission to imm	unization regis	stries
Provide a unique patient record to be used for the testing of this module only.	Yes	See below
<ol> <li>Record must contain the following data elements:         <ul> <li>Patient ID Number</li> <li>Patient ID Number Type</li> <li>Family Name or Surname</li> <li>Given name</li> <li>Date of Birth</li> <li>Administrative Sex/Gender</li> <li>Race</li> <li>Ethnicity</li> <li>Patient address and phone data                 <ul> <li>Street Address</li> <li>City</li> <li>State</li> <li>Zip Code</li> <li>Country</li> <li>Address Type</li> <li>Home Telephone Number</li> </ul> </li> </ul> </li> </ol>		
Select Test Data from:	Yes	See below
- TD170.302.k		
- TDMS170.302.k Provide specification of whether the EHR uses HL7 2.3.1 or HL7 2.5.1 format.		2.5.1
Provide instructions on how to use the EHR functions to:	Yes	See below
1) Record immunization information to an immunization registry.		
2) Retrieve immunization information to an immunization registry.		
3) Submit immunization information to an immunization registry.		

Reminder Dialog Template: IMM_HL7	(Insergent		×
PATIENT RECEIVED A BCG			
PNEUMOVAX			
HEPATITIS B			
HEPATITIS A, ADULT			
INFLUENZA, ADULT			
MMR, ADULT			
	<u>V</u> isit Info	Finish	Cancel
No encounter information entered>			

### Immunizations and Sending Messages

Creating an order for an immunization

			-2
NE Date: * March	· 10 · 2011 ·		
⊻isit Info		Finish	Cancel

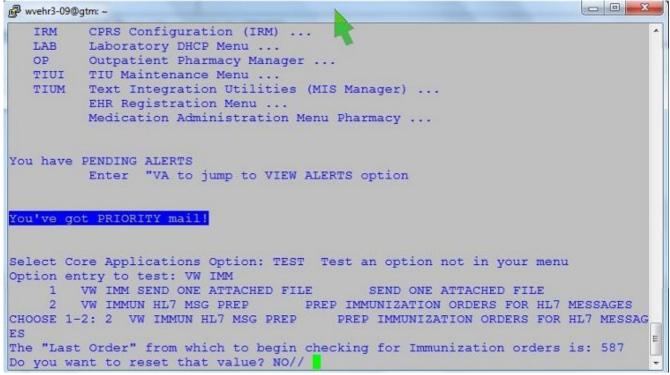
As work is done entering data, it shows what data is being collected.

ENTER THE VACCINE DATE AND TIME:	MAR 2, 2010		
MANUFACTURER		•	
ORDER START:	NOW		
ORDER STOP:	T+730D		
VACCINE NAME:	Measles Mumps Rubella Vaccine	•	
VACCINE AMOUNT (QUANITY):	999	•	
UNITS:		•	
LOT NUMBER		•	
	Twee of		
SEND IMMUNIZATION HL7 MESSAGE			
SEND IMMUNIZATION HL7 MESSAGE			
SEND IMMUNIZATION HL7 MESSAGE IAR 2, 2010 Measles Mumps Rubella Va			Accept Order

# Entering the vaccine data.

>> Mar 02, 2010 Measles 1	fumps Rubella Vaccine 999	YES	
	der entered by KING,MATTH		
Nature of Order:	far 02, 2010 Measles Mump ELECTRONICALLY ENTERED		e 999 YES
Ordered by: I Signature: N	KING, MATTHEW MICHAEL (ANA NOT REQUIRED	LYST)	
Current Data:			
Treating Specialty: Ordering Location: Start Date/Time:	DR OFFICE		
Stop Date/Time: Current Status:	UNRELEASED		
Drder ‡588	UNKELEMSED		
Order:			
ENTER THE VACCINE DATE AN ORDER START:	NOW		
ORDER STOP:	730 DAYS FROM TODAY		
ACCINE NAME:	Measles Mumps Rubel	la Vaccine	
VACCINE AMOUNT (QUANITY)	999		
SEND IMMUNIZATION HL7 MES	SAGE YES		
		Print	Close

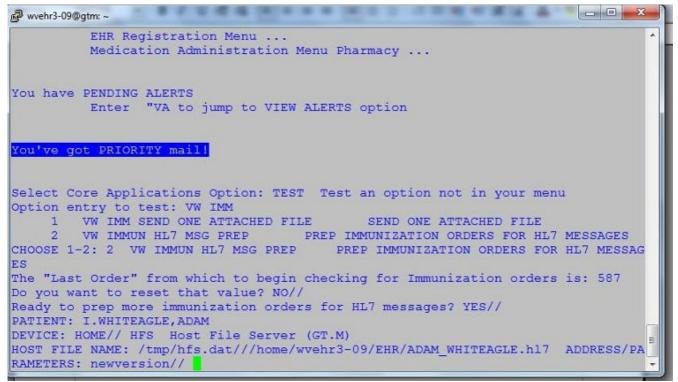
Showing data that is collected and stored



Checking for immunization orders.

X 0 -🗬 wvehr3-09@gtm: ~ TIU Maintenance Menu ... TTUT Text Integration Utilities (MIS Manager) ... TIUM EHR Registration Menu ... Medication Administration Menu Pharmacy ... You have PENDING ALERTS Enter "VA to jump to VIEW ALERTS option You've got PRIORITY mail! Select Core Applications Option: TEST Test an option not in your menu Option entry to test: VW IMM VW IMM SEND ONE ATTACHED FILE SEND ONE ATTACHED FILE 1 PREP IMMUNIZATION ORDERS FOR HL7 MESSAGES 2 VW IMMUN HL7 MSG PREP CHOOSE 1-2: 2 VW IMMUN HL7 MSG PREP PREP IMMUNIZATION ORDERS FOR HL7 MESSAG ES The "Last Order" from which to begin checking for Immunization orders is: 587 Do you want to reset that value? NO// Ready to prep more immunization orders for HL7 messages? YES// PATIENT: I.WHITEAGLE, ADAM DEVICE: HOME//

Getting ready to produce the HL7 Message



Preparing to write the file with the message.

wvehr3-09@gtm:~/EHR\$ unix2dos ADAM_WHITEAGLE.h17
unix2dos: converting file ADAM_WHITEAGLE.h17 to DOS format
wvehr3-09@gtm:~/EHR\$ ls *.hl7
ADAM_WHITEAGLE.h17 P2.h17 P4.h17 P6.h17 P8.h17
P1.h17 P3.h17 P5.h17 P7.h17
wvehr3-09@gtm:~/EHR\$ unix2dos ADAM_WHITEAGLE.h]7
unix2dos: converting file ADAM_WHITEAGLE.h17 to DOS format
wvehr3-09@gtm:~/EHR\$ unix2dos *.h17

Converting the file for use on a Windows system

unix2dos: converting file P8.h17 to DOS format wvehr3-09@gtm:~/EHR\$ gtm	
GTM>S DUZ=77	
GTM>D ^XUP	
Setting up programmer environment This is a TEST account.	
Terminal Type set to: C-VT100	
You have 41 new messages. Select OPTION NAME: VW IMM	
1VW IMM SEND ONE ATTACHED FILESEND ONE ATTACHED FILE2VW IMMUN HL7 MSG PREPPREP IMMUNIZATION ORDERS FOR HL7 MESSAGESCHOOSE 1-2:1VW IMM SEND ONE ATTACHED FILESEND ONE ATTACHED FILESEND ONE ATTACHED FILE	
SEND ONE ATTACHED FILE	
File name: ADAM_WHITEAGLE.h17 Email address: brooks.richard@securemail.opensourcevista.net	

Sending off a secure encrypted email to an external system.

File Edit View Go Message	remail.opensourcevista.net - Mozilla Thund Tools Help		
🐣 Get Mail 🔹 📝 Write 🛄 Addr	ess Book	Search all messages <ctrl+k></ctrl+k>	P
🚔 Inbox - brooks.richard@secu	email		Q
All Folders 🛛 🔸 🕨	🛠 Quick Filter: • 🏠 🙆 🥥	Filter these messages <ctrl+f></ctrl+f>	P
george.lilly@pobox.com       Inbox (6)       Sent       Frash       Spam to Report       george@nhinevista.net       mish@nhin.ocevista.net       Inbox       Inbox	Image: Subject         Image	WISTA.NET	9:25 PM
Personal Receipts	file transmission from wvehr3-09	9	
Travel Work General Inbox Formal Personal Receipts Travel Work	ADAM_WHITEAGLE.hl7		

The email arrives.

7 V2 Message Validation Tool		
verview Message Validation Preferences Documentation	Download About	<u> </u>
<u>'alidate</u> Report View Errors		
Tests		
Select test	Validation Context (corresponds to data s	et)
○ 2.3.1 Immunization Message (VXU_V04)	VXU_V04_2.5.1_VCTestCase6	-
<ul> <li>2.5.1 Immunization Message (VXU_V04)</li> <li>2.5.1 Lab Results Message (ORU_R01)</li> </ul>		
Message		
ORC RE  588         63-VASTANUW^KING^MATTHEW^: RXA 0 1 20100302 20100302 03^Measles Mumps Rul		

NIST test is run.

Message V	<b>Meaningful</b> /alidation Tool	Use IUUI				Contact
v Message '		es Documentation	Download	About		
Summary						
Errors			0			
Affirmatives			57			
Warnings			0			
Ignored			1			
2000 C C C C C C C C C C C C C C C C C C						
			0			
XML Report	Frrors 🗸 Warnings 🗸				update	71.04:00
XML Report	•				update 6 20 2011, 21:37:37.8	71-04:00
XML Report	Frrors 🗸 Warnings 🗸		] Ignored ✔ M			71-04:00
XML Report	rrors	on Report	] Ignored ✔ M			71-04:00
XML Report	Frrors V Warnings V ge Validation	on Report MeaningfulUselmmu	] Ignored ✔ M			71-04:00
XML Report	Trors V Warnings V ge Validatio Name Organization	DIN Report MeaningfulUselmmu NIST	] Ignored ✔ M			71-04:00

9