

## Message Validator

### Message Types

- ProvideAndRegister.b
- Register.b
- XDR (Metadata-Limited or Original Recipe)
- XDR (Minimal Metadata with MU 2 CCDA)
- Stored Query
- Retrieve
- Guess based on content
- XCPD
- NwHIN XCPD
- DIRECT (with MU 2 CCDA)

### Document Types

- XDM (zip)
- XDM (zip) with MU 2 CCDA
- MU\_HITSP\_C32

### CCDA Document Validator (CCDA validation may take more than a minute to run)

- Clinical Office Visit Summary - MU2 170.314(e)(2) - Clinical Summary
- Transitions Of Care Ambulatory Summary - MU2 170.314(b)(2) Transition of Care/Referral Summary - For Ambulatory Care
- Transitions Of Care Ambulatory Summary - MU2 170.314(b)(7) Data Portability - For Ambulatory Care
- Transitions Of Care Ambulatory Summary - MU 2 170.314(b)(1) Transition of Care Receive - For Ambulatory Care
- Transitions Of Care Inpatient Summary - MU2 170.314(b)(2) Transition of Care/Referral Summary - For Inpatient Care
- Transitions Of Care Inpatient Summary - MU2 170.314(b)(7) Data Portability - For Inpatient Care
- Transitions Of Care Inpatient Summary - MU 2 170.314(b)(1) Transition of Care Receive - For Inpatient Care
- VDT Ambulatory Summary - MU2 170.314 (e)(1) Ambulatory Summary
- VDT Inpatient Summary - MU2 170.314 (e)(1) Inpatient Summary
- Non-specific CCDA

### In/Out Message Types Message Structure Validators

- Request Message  Cross-Community
- Response Message  with SOAP Wrapper
- with SAML Wrapper
- with HTTP Wrapper

### CCDA Type for XDM or XDR content (CCDA validation may take a minute or more to run)

- Clinical Office Visit Summary - MU2 170.314(e)(2) - Clinical Summary
- Transitions Of Care Ambulatory Summary - MU2 170.314(b)(2) Transition of Care/Referral Summary - For Ambulatory Care
- Transitions Of Care Ambulatory Summary - MU2 170.314(b)(7) Data Portability - For Ambulatory Care
- Transitions Of Care Ambulatory Summary - MU 2 170.314(b)(1) Transition of Care Receive - For Ambulatory Care
- Transitions Of Care Inpatient Summary - MU2 170.314(b)(2) Transition of Care/Referral Summary - For Inpatient Care
- Transitions Of Care Inpatient Summary - MU2 170.314(b)(7) Data Portability - For Inpatient Care
- Transitions Of Care Inpatient Summary - MU 2 170.314(b)(1) Transition of Care Receive - For Inpatient Care
- VDT Ambulatory Summary - MU2 170.314 (e)(1) Ambulatory Summary
- VDT Inpatient Summary - MU2 170.314 (e)(1) Inpatient Summary
- Non-specific CCDA
- Non-CCDA content (no validation)

Message File

**ONCE A DOCUMENT is SUBMITTED FOR VALIDATION, PLEASE WAIT for up to a MINUTE for the validation to complete.** Submitting another validation request causes a known error that will be addressed in the next release.

## CCDA Validation

CCDA Validation complete: 16 errors, 901 warnings, 1660 details.

MHDT run time was 802 mSec

Validation, was a Transitions Of Care Ambulatory Summary

CONF	Status	Message	Resource
-	Error	cvc-pattern-valid: Value " " is not facet-valid with respect to pattern "[^s]+'" for type 'cs'. <u>XPath for your document:</u> <b>\$reportToken.getXpath()</b>	javax.xml.validation.Validator
-	Error	cvc-attribute.3: The value " " of attribute 'unit' on element 'value' is not valid with respect to its type, 'cs'. <u>XPath for your document:</u> <b>\$reportToken.getXpath()</b>	javax.xml.validation.Validator
-	Error	cvc-pattern-valid: Value " " is not facet-valid with respect to pattern "[^s]+'" for type 'cs'. <u>XPath for your document:</u> <b>\$reportToken.getXpath()</b>	javax.xml.validation.Validator
-	Error	cvc-attribute.3: The value " " of attribute 'unit' on element 'value' is not valid with respect to its type, 'cs'. <u>XPath for your document:</u> <b>\$reportToken.getXpath()</b>	javax.xml.validation.Validator
-	Error	cvc-pattern-valid: Value " " is not facet-valid with respect to pattern "[^s]+'" for type 'cs'. <u>XPath for your document:</u> <b>\$reportToken.getXpath()</b>	javax.xml.validation.Validator
-	Error	cvc-attribute.3: The value " " of attribute 'unit' on element 'value' is not valid with respect to its type, 'cs'. <u>XPath for your document:</u> <b>\$reportToken.getXpath()</b>	javax.xml.validation.Validator
-	Error	cvc-pattern-valid: Value " " is not facet-valid with respect to pattern "[^s]+'" for type 'cs'. <u>XPath for your document:</u> <b>\$reportToken.getXpath()</b>	javax.xml.validation.Validator
-	Error	cvc-attribute.3: The value " " of attribute 'unit' on element 'value' is not valid with respect to its type, 'cs'. <u>XPath for your document:</u> <b>\$reportToken.getXpath()</b>	javax.xml.validation.Validator

Error	The feature 'unit' of 'org.openhealthtools.mdht.uml.hl7.datatypes.impl.PQImpl@3fce591c {http://resource92.xml#/@clinicalDocument/@component/@structuredBody/@component.7/@section/@entry.1/@organizer/@component.2/@observation/@value.0}' contains a bad value  XPath for your document: <b><code>/ClinicalDocument/component/structuredBody/component[8]/section/entry[2]/organizer/component[3]/observation/value</code></b>	org.eclipse.emf.ecore
Error	The feature 'unit' of 'org.openhealthtools.mdht.uml.hl7.datatypes.impl.PQImpl@4fc5478c {http://resource92.xml#/@clinicalDocument/@component/@structuredBody/@component.7/@section/@entry.1/@organizer/@component.9/@observation/@value.0}' contains a bad value  XPath for your document: <b><code>/ClinicalDocument/component/structuredBody/component[8]/section/entry[2]/organizer/component[10]/observation/value</code></b>	org.eclipse.emf.ecore
Error	The feature 'unit' of 'org.openhealthtools.mdht.uml.hl7.datatypes.impl.PQImpl@5ff118b0 {http://resource92.xml#/@clinicalDocument/@component/@structuredBody/@component.7/@section/@entry.10/@organizer/@component.2/@observation/@value.0}' contains a bad value  XPath for your document: <b><code>/ClinicalDocument/component/structuredBody/component[8]/section/entry[11]/organizer/component[3]/observation/value</code></b>	org.eclipse.emf.ecore
Error	The feature 'unit' of 'org.openhealthtools.mdht.uml.hl7.datatypes.impl.PQImpl@6bc0bafa {http://resource92.xml#/@clinicalDocument/@component/@structuredBody/@component.7/@section/@entry.10/@organizer/@component.9/@observation/@value.0}' contains a bad value  XPath for your document: <b><code>/ClinicalDocument/component/structuredBody/component[8]/section/entry[11]/organizer/component[10]/observation/value</code></b>	org.eclipse.emf.ecore

```

<observation classCode="OBS" moodCode="EVN">
  <templateId root="2.16.840.1.113883.10.20.22.4.2"/>
  <!-- 15.01 RESULT ID, REQUIRED -->
  <id extension="CH;6849678.8978;685" root="2.16.840.1.113883.4.349"/>
  <code code="2965-2" codeSystem="2.16.840.1.113883.6.1" codeSystemName="LOINC" displayName="Specific gravity of Urine">
    <originalText>SPECIFIC GRAVITY</originalText>
    <translation/>
  </code>
  <text/>
  <statusCode code="completed"/>
  <!-- 15.02 RESULT DATE/TIME, REQUIRED -->
  <effectiveTime value="201503201022">
    <low/>
  </effectiveTime>
  <!-- 15.05 RESULT VALUE, REQUIRED, xsi:type="PQ" -->
  <value unit="" value="1.026" xsi:type="PQ">
  </value>

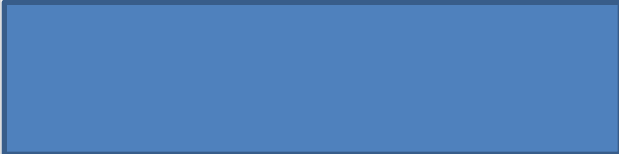
```

## Results

This section contains the Chemistry and Hematology Lab Results, Radiology Reports, and Pathology Reports on record with VA for the patient. The data comes from all VA treatment facilities.

### Lab Results

The included Chemistry/Hematology Results are from the last 24 months and are limited to the 20 most recent sets of tests. The data comes from all VA treatment facilities.

Date/Time	Source	Result Type	Result - Unit	Interpretation	Reference Range	Comment
Mar 20, 2015, 10:22 AM	ATLANTA VAMC	ACCESSION				Specimen Type: URINE Comment: Ordering 
		APPEARANCE	CLEAR			
		URINE COLOR	Yellow			
		SPECIFIC GRAVITY	1.026		Ref:1.010-1.025	
		UROBILINOGEN	<2.0 EU/dL			
		URINE BLOOD	1+			
		URINE BILIRUBIN	NEG			

```
<component>
  <observation classCode="OBS" moodCode="EVN">
    <templateId root="2.16.840.1.113883.10.20.22.4.2"/>
    <!-- 15.01 RESULT ID, REQUIRED -->
    <id extension="CH;6849678.8978;162" root="2.16.840.1.113883.4.349"/>
    <code code="5767-9" codeSystem="2.16.840.1.113883.6.1" codeSystemName="LOINC" displayName="Appearance of Urine">
      <originalText>APPEARANCE</originalText>
      <translation/>
    </code>
    <text/>
    <statusCode code="completed"/>
    <!-- 15.02 RESULT DATE/TIME, REQUIRED -->
    <effectiveTime value="201503201022">
      <low/>
    </effectiveTime>
    <!-- 15.05 RESULT VALUE, REQUIRED, xsi:type="PQ" -->
    <value representation="TXT" xsi:type="ST">CLEAR </value>
    <!-- 15.06 RESULT INTERPRETATION, R2, -->
```

-	Error	The value " must be match one of {[^s]+} <u>XPath for your document:</u> <b>\$reportToken.getXpath()</b>	org.eclipse.emf.ecore
-	Error	The value " must be match one of {[^s]+} <u>XPath for your document:</u> <b>\$reportToken.getXpath()</b>	org.eclipse.emf.ecore
-	Error	The value " must be match one of {[^s]+} <u>XPath for your document:</u> <b>\$reportToken.getXpath()</b>	org.eclipse.emf.ecore
-	Error	The value " must be match one of {[^s]+} <u>XPath for your document:</u> <b>\$reportToken.getXpath()</b>	org.eclipse.emf.ecore
5271 7295	Warning	Consol Patient Role SHALL contain at least one [1..*] addr with @xsi:type="USRealmAddress" (CONF:5271) addr SHOULD contain zero or one [0..1] country (CONF:7295) <u>XPath for your document:</u> <b>/ClinicalDocument/recordTarget/patientRole/addr</b>	org.openhealthtools.mdht.uml.cda.consol