

Test Instruction & Scenarios:

EHR Implementers - RR Processing

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Overview

Use this test package to confirm that RRs that are reportable, or may be reportable, are attached to the patient chart OR placed in the appropriate provider / support staff work queue or are communicated to them through some other internal EHR communications. EHR system administrators are notified of errors and warnings, and have access to all RRs to confirm ongoing reporting performance.

Instructions

- **System Pre-Conditions** - Your system must be set up to properly process RRs returned from AIMS. This includes:
 1. *Ability to mimic receipt from AIMS* - This test package provides you with sample RRs to test various use cases. This requires you to be able to simulate the receipt of the RR from AIMS.
 2. *Ability to make RRs available to Provider/Support Staff* - Providing feedback to Providers and Support Staff from Public Health is an important feature of Electronic Case Reporting. To do so, your system must, in certain scenarios, be able to attach the RR to the patient chart, place it in the appropriate provider / support staff work queue or communicate the availability of them through some other internal EHR communications.
 3. *Ability to make RRs available to System Admin* - In order to ensure a properly functioning system, and to troubleshoot any issues, the System Admin must have access to all RRs received.
 4. *Ability to notify System Admin* - In the event of a critical error, active notification is required. So your system must be able to notify the System Admin in certain circumstances.
- **Preparing Sample RRs** - The RR test samples provided in this test package contain generalized information, and will likely need to be associated with a patient in your system in order to properly process. See “*Updating RR Test Samples*” section for detail on how to make these updates.
- **Completing the Tests** - Each Test Scenario listed in the next section corresponds to a provided RR test sample. For each scenario, complete the following steps:
 1. Ingest the provided RR test sample for this scenario
 2. Refer to the Test Scenarios table, and confirm the expected outcomes occurred.
 3. Move on to the next Test Scenario
 4. Repeat until all Test Scenarios are complete

Test Scenarios

The following table provides the objectives for each test case included in this Test Package.

Test Scenario	Expected Outcomes
RR-TC-1_1PHA_Reportable	Available to Provider/Support Staff: Yes Available to System Admin: Yes System Admin Notified: No
RR-TC-2_1PHA_MayBeReportable	Available to Provider/Support Staff: Yes Available to System Admin: Yes System Admin Notified: No
RR-TC-3_1PHA_NoRuleMet	Available to Provider/Support Staff: No Available to System Admin: Yes System Admin Notified: No
RR-TC-4_1PHA_Error	Available to Provider/Support Staff: No Available to System Admin: Yes System Admin Notified: Yes
RR-TC-5_1PHA_ReportableWithWarning	Available to Provider/Support Staff: Yes Available to System Admin: Yes System Admin Notified: Yes
RR-TC-6_1PHA_MayBeReportableWithWarning	Available to Provider/Support Staff: Yes Available to System Admin: Yes System Admin Notified: Yes
RR-TC-7_1PHA_NoRuleMetWithWarning	Available to Provider/Support Staff: No Available to System Admin: Yes System Admin Notified: Yes
RR-TC-8_2PHA_BothReportable	Available to Provider/Support Staff: Yes Available to System Admin: Yes System Admin Notified: No
RR-TC-9_2PHA_BothMaybe	Available to Provider/Support Staff: Yes Available to System Admin: Yes System Admin Notified: No
RR-TC-10_2PHA_BothNoRuleMet	Available to Provider/Support Staff: No

	Available to System Admin: Yes System Admin Notified: No
RR-TC-11_2PHA_1Reportable1Maybe	Available to Provider/Support Staff: Yes Available to System Admin: Yes System Admin Notified: No
RR-TC-12_2PHA_1Reportable1NoRuleMet	Available to Provider/Support Staff: Yes Available to System Admin: Yes System Admin Notified: No
RR-TC-13_1PHA_2Cond_BothReportable	Available to Provider/Support Staff: Yes Available to System Admin: Yes System Admin Notified: No
RR-TC-14_1PHA_2Cond_BothMaybe	Available to Provider/Support Staff: Yes Available to System Admin: Yes System Admin Notified: No
RR-TC-15_1PHA_2Cond_BothNoRuleMet	Available to Provider/Support Staff: No Available to System Admin: Yes System Admin Notified: No
RR-TC-16_1PHA_2Cond_1Reportable1Maybe	Available to Provider/Support Staff: Yes Available to System Admin: Yes System Admin Notified: No

Updating RR Test Samples

The following outlines how to update the provided RR Test Samples to associate with a patient in your test system.

Each eCR document is provided in XML format. In order to update them, you will need an XML editor, or other XML-compatible text editor.


Updating Name - Patient name is located at <recordTarget><patientRole><patient><name> within the RR XML structure. You can manually update the <given> and <family> values here. Note, if there is a middle name, it will be a second <given>.

```
<patient><name use="L"><given>Eve</given><family>Everywoman</family></name>  
codeSystemName="LOINC" displayName="Condition"/></code><value code="10562900
```

Updating Date of Birth - Patient name is located at

<recordTarget><patientRole><patient><birthTime> within the RR XML structure. This value is in YYYYMMDD format. Note, provided samples have a nullFlavor here. When providing a value, it should be formatted <birthTime value="YYYYMMDD"/>.

```
<birthTime nullFlavor="NI"/><
infection, isorder) " xsi:type=
```



Patient ID - Patient ID is located at <recordTarget><patientRole><id> within the RR XML Structure. When providing a value, it should be included in the “extension” section as seen below.

```
<patientRole><id extension="PT-471325" root="2.16.840.1.113883.19.5"/><
leted"/><component><observation classCode="OBS" moodCode="EVN"><templat
```

