

### Description

The laboratory at Century Hospital, 2070 Test Park, Los Angeles, CA 90067 received a blood specimen from Dr. Radon's office on patient Willow C. Jones for a complete blood count (CBC) test. The patient was identified in the system as a 14 year old white female. The blood specimen was analyzed and the final result revealed high WBC, particularly Lymphocytes and Neutrophils as well as high hematocrit, MCV and MCH. The final test result report was generated by the LIS and transmitted to the patient's record in the ambulatory EHR used in Dr. Radon's office.

The following morning, Dr. Radon upon review of results noticed that the Willow's Date of birth was listed as 12/27/2001, but Willow is only 4 years old, not 14. Dr. Radon notified the lab to correct the Date of Birth to 12/27/2010. The lab reviewed the results and adjusts the normal ranges for the observations based on the updated age from adult reference ranges to 4 year old and re-issued the report as amended, leaving only the elevated WBC, with increased Neutrophils and a low hemoglobin as abnormal results. The laboratory included a comment, stating, "The patient's DOB was corrected by request of the ordering provider. The normal ranges are based on age group and so were adjusted accordingly for most of these observations, which led to a change in interpretations of existing results. Please review all interpretations in detail."

### Comments

This test case is evaluating the proper use of OBR-22 to establish chronological order of reports and correct use of the status codes in OBR-25 and OBX-11 for results in an amended report.

### PreCondition

Patient information is pre-loaded in the EHR-S.  
and Test case LRI\_2.2\_1.1-NG message has previously been sent.

### PostCondition

The test message information received by the EHR-S has been incorporated with the patient's record.

### TestObjectives

- Demonstrate the capability of the EHR-S to update the patient record when interpretations and reference ranges were changed due to demographic information updates in an amended report.

### Notes to Testers

Run LRI\_2.2\_1.1-NG prior to this test case. This test case requires display verification only.

Concentrate on the following areas:

Result Report Status (OBR-25) changed from F to C

An additional comment (NTE after OBR) is displayed under the Order

No change to Result value (OBX-5), but changes to Reference Ranges (OBX-7) in most cases, interpretation (OBX-8) in some (hemoglobin, hematocrit, MCV, MCH, Lymphocytes) and Result Status (OBX-11) has changed from F to A, where changes have occurred.