Description

Mr. William A. Jones is a 51 year old white male who presented with pain, swelling, and redness in several joints including his elbows, wrists, knees, and hips. In order to screen for rheumatoid diseases, Dr. Nicholas Radon ordered an erythrocyte sedimentation rate (ESR or Sed Rate) blood test using the Good Health Clinic's EHR system, specifying that the laboratory's patient service center was to draw the blood specimen from the patient later that same day. Dr Radon also requests that the results be CC'd to Dr Pafford M. Hamlin Sr, a specialist to which he is referring Mr. Jones as well as Dr. Daniel Davison who is Mr. Jones' regular doctor.

The laboratory performs the requested test and the final result was 10 mm/hr, a normal value with the normal reference range being 0-17 mm/hr. The final result report for this lab test was generated by the LIS and transmitted to the patient's record in the Good health Clinic's EHR system used in Dr. Radon's office practice on the same day.

PreCondition

Patient information is pre-loaded in the EHR-S.
No other Pre-Condition.

PostCondition

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

TestObjectives

- Maximally populated message.
- Demonstrate ability to import and incorporate all supported relevant (R,RE,C(a/b)) data elements for the test case, including multiple occurrences:
- Demonstrate the capability to support Timing_Qty Group and Timing/Quantity Segment (TQ1).
- Demonstrate the capability to support Notes and Comments Segments (NTE) that follow the Observation Request Segment (OBR), including multiple occurrences.
- Maximally populated MSH Segment - Demonstrate the capability of the EHR to support all supported data elements including repeating elements in the MSH segment.
- Maximally populated PID Segment - Demonstrate the capability of the EHR to support all supported data elements including repeating elements in the PID segment.
- Maximally populated NTE segment - Demonstrate the capability of the EHR to support all supported data elements including proper handling of formatted text.
- Maximally populated ORC Segment - Demonstrate the capability of the EHR to support all supported data elements including repeating elements in the ORC segment.
- Maximally populated OBR Segment - Demonstrate the capability of the EHR to support all supported data elements including repeating elements in the OBR segment.
- Maximally populated SPM Segment - Demonstrate the capability of the EHR to support all supported data elements in the SPM segment.
- Maximally populated TQ1 Segment - Demonstrate the capability of the EHR to support all supported data elements including repeating elements in the TQ1 segment .
- Specific test points include the use of the NM data type for OBX.2, the value of "10" for results (OBX.5), the value of "N" for abnormal flags (OBX.8), and the observation results status is "F" (OBX.11).

Notes to Testers

In addition to the review of all elements, check that the Notes after the order are properly formatted and displayed.