

Test Data for §170.314.b.5.B Incorporate laboratory tests and values/results

Test data provided for public comment are samples and will be updated when the test procedures are finalized. Test data are provided to ensure that the functional and interoperability requirements identified in the criterion can be adequately evaluated for conformance, as well as to provide consistency in the testing process across multiple ATLS. The provided test data focus on evaluating the basic capabilities of required EHR technology, rather than exercising the full breadth/depth of capability that installed EHR technology might be expected to support. The test data are formatted for readability of use within the testing process. The format is not prescribing a particular end-user view or rendering. No additional requirements should be drawn from the format.

The Tester shall use and apply the provided test data during the test, without exception, unless one of the following conditions exists:

- The Tester determines that the Vendor product is sufficiently specialized that the provided test data needs to be modified in order to conduct an adequate test. Having made the determination that some modification to the provided test data is necessary, the Tester shall record the modifications made as part of the test documentation.
- The Tester determines that changes to the test data will improve the efficiency of the testing process; primarily through using consistent demographic data throughout the testing workflow. The Tester shall ensure that the functional and interoperable requirements identified in the criterion can be adequately evaluated for conformance and that the test data provides a comparable level of robustness.

Any departure from the provided test data shall strictly focus on meeting the basic capabilities required of EHR technology relative to the certification criterion rather than exercising the full breadth/depth of capability that installed EHR technology might be expected to support.

The test procedures require that the Tester enter the test data into the EHR technology being evaluated for conformance. The intent is that the Tester fully controls the process of entering the test data in order to ensure that the data are correctly entered as specified in the test procedure. If a situation arises where it is impractical for a Tester to directly enter the test data, the Tester, at the Tester's discretion, may instruct the Vendor to enter the test data, so long as the Tester remains in full control of the testing process, directly observes the test data being entered by the Vendor, and verifies that the test data are entered correctly as specified in the test procedure.

TD170.314.b.5.B Test Data Sets

The Tester shall select at random **one** of the **seven** Data Sets provided below to perform the EHR certification testing. The format used for organizing the laboratory test data does not prescribe the format for rendering the information by the EHR.

Data Set #1

Test Data Element	Test Data
Patient ID Information	
Patient Family Name	(Vendor-supplied)
Patient Given Name	(Vendor-supplied)
Patient ID Number (e.g, medical record #)	(Vendor-supplied)
Test Lab Information	
Lab Facility Name	Milton Street Laboratory
Lab Facility Street Address	40025 Milton Street
Lab Facility City	Aurora
Lab Facility State	Colorado
Lab Facility Zip Code	80011
Test Result Information	
Test Report Date	(ATL-defined) ¹
Test Type	Chemistry
Test Name (and Normal Range)	Fasting Blood Glucose (70–100 mg/dl)
Test Result Value	178
Test Result Unit of Measure	mg/dl
Test Specimen Source	Arterial catheter
Interpretation	Vendor-supplied (e.g., Abnormal)
Condition/Disposition of Specimen	Hemolyzed
Test Report Date	(ATL-defined)
Test Type	Chemistry
Test Name (and Normal Range)	Creatinine (0.5–1.4 mg/dl)
Test Result Value	1.0
Test Result Unit of Measure	mg/dl
Test Specimen Source	Arterial catheter
Interpretation	Vendor-supplied (e.g., Normal)
Condition/Disposition of Specimen	Hemolyzed
Test Report Date	(ATL-defined)
Test Type	Chemistry
Test Name (and Normal Range)	BUN (7–30 mg/dl)

¹ Test date needs to be greater than or equal to admission/registration date of the patient (Vendor registers the patient; ATL sets the test report date to T+ n days at their discretion).

Test Data Element	Test Data
Test Result Value	18
Test Result Unit of Measure	mg/dl
Test Specimen Source	Arterial catheter
Interpretation	Vendor-supplied (e.g., Normal)
Condition/Disposition of Specimen	Hemolyzed

Data Set #2

Test Data Element	Test Data
Patient ID Information	
Patient Family Name	(Vendor-supplied)
Patient Given Name	(Vendor-supplied)
Patient ID Number (e.g, medical record #)	(Vendor-supplied)
Test Lab Information	
Lab Facility Name	Oakton Crest Laboratories
Lab Facility Street Address	5570 Eden Street
Lab Facility City	Oakland
Lab Facility State	California
Lab Facility Zip Code	94607
Test Result Information	
Test Report Date	(ATL-defined)
Test Type	Chemistry
Test Name (and Normal Range)	Serum Sodium (135–146 meq/l)
Test Result Value	141
Test Result Unit of Measure	meq/l
Test Specimen Source	Not Applicable
Interpretation	Vendor-supplied (e.g., Normal)
Condition/Disposition of Specimen	Not Applicable
Test Report Date	(ATL-defined)
Test Type	Chemistry
Test Name (and Normal Range)	Serum Potassium (3.5–5.3 meq/l)
Test Result Value	4.3
Test Result Unit of Measure	meq/l
Test Specimen Source	Not Applicable
Interpretation	Vendor-supplied (e.g., Normal)
Condition/Disposition of Specimen	Not Applicable

Data Set #3

Test Data Element	Test Data
Patient ID Information	
Patient Family Name	(Vendor-supplied)
Patient Given Name	(Vendor-supplied)
Patient ID Number (e.g, medical record #)	(Vendor-supplied)
Test Lab Information	
Lab Facility Name	Aloha Laboratories
Lab Facility Street Address	575 Luau Street
Lab Facility City	Honolulu
Lab Facility State	Hawaii
Lab Facility Zip Code	96813
Test Result Information	
Test Report Date	(ATL-defined)
Test Type	Chemistry
Test Name (and Normal Range)	Total cholesterol (<200 mg/dl)
Test Result Value	162
Test Result Unit of Measure	mg/dl
Test Specimen Source	Not Applicable
Interpretation	Vendor-supplied (e.g., Normal)
Condition/Disposition of Specimen	Hemolyzed
Test Report Date	(ATL-defined)
Test Type	Chemistry
Test Name (and Normal Range)	HDL cholesterol (≥40 mg/dl)
Test Result Value	43
Test Result Unit of Measure	mg/dl
Test Specimen Source	Not Applicable
Interpretation	Vendor-supplied (e.g., Normal)
Condition/Disposition of Specimen	Hemolyzed
Test Report Date	(ATL-defined)
Test Type	Chemistry
Test Name (and Normal Range)	LDL cholesterol (<100 mg/dl)
Test Result Value	84
Test Result Unit of Measure	mg/dl
Test Specimen Source	Not Applicable
Interpretation	Vendor-supplied (e.g., Normal)
Condition/Disposition of Specimen	Hemolyzed
Test Report Date	(ATL-defined)

Test Data Element	Test Data
Test Type	Chemistry
Test Name (and Normal Range)	Triglycerides (<150 mg/dl)
Test Result Value	127
Test Result Unit of Measure	mg/dl
Test Specimen Source	Not Applicable
Interpretation	Vendor-supplied (e.g., Normal)
Condition/Disposition of Specimen	Hemolyzed

Data Set #4

Test Data Element	Test Data
Patient ID Information	
Patient Family Name	(Vendor-supplied)
Patient Given Name	(Vendor-supplied)
Patient ID Number (e.g, medical record #)	(Vendor-supplied)
Test Lab Information	
Lab Facility Name	Mid-town Laboratories
Lab Facility Street Address	908 Drue Street
Lab Facility City	Eklutna
Lab Facility State	Alaska
Lab Facility Zip Code	99567
Test Result Information	
Test Report Date	(ATL-defined)
Test Type	Hematology
Test Name (and Normal Range)	Eosinophil Count (1 – 3 %)
Test Result Value	2
Test Result Unit of Measure	%
Test Specimen Source	Not Applicable
Interpretation	Vendor-supplied (e.g., Normal)
Condition/Disposition of Specimen	Not Applicable
Test Report Date	(ATL-defined)
Test Type	Hematology
Test Name (and Normal Range)	Hemoglobin (male: 14-18 g/dl female: 12-16 g/dl)
Test Result Value	16
Test Result Unit of Measure	g/dl
Test Specimen Source	Not Applicable
Interpretation	Vendor-supplied (e.g., Normal)
Condition/Disposition of Specimen	Not Applicable
Test Report Date	(ATL-defined)

Test Data Element	Test Data
Test Type	Hematology
Test Name (and Normal Range)	Hematocrit (male: 40-54% female: 36-48%)
Test Result Value	45
Test Result Unit of Measure	%
Test Specimen Source	Not Applicable
Interpretation	Vendor-supplied (e.g., Normal)
Condition/Disposition of Specimen	Not Applicable

Data Set #5

Test Data Element	Test Data
Patient ID Information	
Patient Family Name	(Vendor-supplied)
Patient Given Name	(Vendor-supplied)
Patient ID Number (e.g, medical record #)	(Vendor-supplied)
Test Lab Information	
Lab Facility Name	Colton Street Laboratories
Lab Facility Street Address	5050 Colton Street
Lab Facility City	Shawville
Lab Facility State	Pennsylvania
Lab Facility Zip Code	16873
Test Result Information	
Test Report Date	(ATL-defined)
Test Type	Chemistry
Test Name (and Normal Range)	Serum Potassium (3.5–5.3 mg/dl)
Test Result Value	4.5
Test Result Unit of Measure	mg/dl
Test Specimen Source	Not Applicable
Interpretation	Vendor-supplied (e.g., Normal)
Condition/Disposition of Specimen	Not Applicable
Test Report Date	(ATL-defined)
Test Type	Chemistry
Test Name (and Normal Range)	Total cholesterol (<200 mg/dl)
Test Result Value	180
Test Result Unit of Measure	mg/dl
Test Specimen Source	Not Applicable
Interpretation	Vendor-supplied (e.g., Normal)
Condition/Disposition of Specimen	Not Applicable
Test Report Date	(ATL-defined)

Test Data Element	Test Data
Test Type	Chemistry
Test Name (and Normal Range)	HDL cholesterol (≥40 mg/dl)
Test Result Value	38
Test Result Unit of Measure	mg/dl
Test Specimen Source	Not Applicable
Interpretation	Vendor-supplied (e.g., Normal)
Condition/Disposition of Specimen	Not Applicable
Test Report Date	(ATL-defined)
Test Type	Chemistry
Test Name (and Normal Range)	LDL cholesterol (<100 mg/dl)
Test Result Value	120
Test Result Unit of Measure	mg/dl
Test Specimen Source	Not Applicable
Interpretation	Vendor-supplied (e.g., High)
Condition/Disposition of Specimen	Not Applicable
Test Report Date	(ATL-defined)
Test Type	Chemistry
Test Name (and Normal Range)	Triglycerides (<150 mg/dl)
Test Result Value	187
Test Result Unit of Measure	mg/dl
Test Specimen Source	Not Applicable
Interpretation	Vendor-supplied (e.g., High)
Condition/Disposition of Specimen	Not Applicable

Data Set #6

Test Data Element	Test Data
Patient ID Information	
Patient Family Name	(Vendor-supplied)
Patient Given Name	(Vendor-supplied)
Test Lab Information	
Lab Facility Name	Uptown Laboratories
Lab Facility Street Address	123 3 rd Street NW
Lab Facility City	Atlanta
Lab Facility State	Georgia
Lab Facility Zip Code	30344
Test Result Information	
Test Report Date	(ATL-defined)
Test Type	Coagulation

Test Data Element	Test Data
Test Name (and Normal Range)	Prothrombin Time (11.8 - 14.5 seconds)
Test Result Value	27.4
Test Result Unit of Measure	seconds
Test Specimen Source	Not Applicable
Interpretation	Vendor-supplied (e.g., High)
Condition/Disposition of Specimen	Not Applicable
Test Report Date	(ATL-defined)
Test Type	Coagulation
Test Name (and Normal Range)	INR (0.9 - 1.1)
Test Result Value	2.6
Test Result Unit of Measure	
Test Specimen Source	Not applicable
Interpretation	Vendor-supplied (e.g., High)
Condition/Disposition of Specimen	Not applicable
Test Report Date	(ATL-defined)
Test Type	Hematology
Test Name (and Normal Range)	Hematocrit (male: 40-54% female: 36-48%)
Test Result Value	35
Test Result Unit of Measure	%
Test Specimen Source	Not applicable
Interpretation	Vendor-supplied (e.g., Low)
Condition/Disposition of Specimen	Not applicable
Test Report Date	(ATL-defined)
Test Type	Hematology
Test Name (and Normal Range)	Platelet Count (140 – 440 K/UL)
Test Result Value	169
Test Result Unit of Measure	K/UL
Test Specimen Source	Not applicable
Interpretation	Vendor-supplied (e.g., Normal)
Condition/Disposition of Specimen	Not applicable

Data Set #7

Test Data Element	Test Data
Patient ID Information	
Patient Family Name	(Vendor-supplied)
Patient Given Name	(Vendor-supplied)
Patient ID Number (e.g, medical record #)	(Vendor-supplied)

Test Data Element	Test Data
Test Lab Information	
Lab Facility Name	Community Laboratory
Lab Facility Street Address	101 Main St
Lab Facility City	Little Rock
Lab Facility State	Arkansas
Lab Facility Zip Code	72201
Test Result Information	
Test Report Date	(ATL-defined)
Test Type	Chemistry
Test Name (and Normal Range)	Total Protein (6.3 - 8.3 g/dl)
Test Result Value	7.5
Test Result Unit of Measure	g/dL
Test Specimen Source	Not applicable
Interpretation	Vendor-supplied (e.g., Normal)
Condition/Disposition of Specimen	Not applicable
Test Report Date	(ATL-defined)
Test Type	Chemistry
Test Name (and Normal Range)	Albumin (4.0 - 5.4 g/dl)
Test Result Value	4.2
Test Result Unit of Measure	g/dl
Test Specimen Source	Not applicable
Interpretation	Vendor-supplied (e.g., Normal)
Condition/Disposition of Specimen	Not applicable
Test Report Date	(ATL-defined)
Test Type	Chemistry
Test Name (and Normal Range)	ALT (0-50 U/L)
Test Result Value	19
Test Result Unit of Measure	U/L
Test Specimen Source	Not applicable
Interpretation	Vendor-supplied (e.g., Normal)
Condition/Disposition of Specimen	Not applicable
Test Report Date	(ATL-defined)
Test Type	Chemistry
Test Name (and Normal Range)	Alkaline Phosphatase (35 – 129 U/L)
Test Result Value	88
Test Result Unit of Measure	U/L
Test Specimen Source	Not applicable
Interpretation	Vendor-supplied (e.g., Normal)

Test Data Element	Test Data
Condition/Disposition of Specimen	Not applicable
Test Report Date	(ATL-defined)
Test Type	Chemistry
Test Name (and Normal Range)	Bilirubin, Total (0.2 - 1.3 mg/dl)
Test Result Value	0.4
Test Result Unit of Measure	mg/dl
Test Specimen Source	Not applicable
Interpretation	Vendor-supplied (e.g., Normal)
Condition/Disposition of Specimen	Not applicable
Test Report Date	(ATL-defined)
Test Type	Chemistry
Test Name (and Normal Range)	Bilirubin, Direct (0.0 - 0.3 mg/dl)
Test Result Value	0.2
Test Result Unit of Measure	mg/dl
Test Specimen Source	Not applicable
Interpretation	Vendor-supplied (e.g., Normal)
Condition/Disposition of Specimen	Not applicable

Document History

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