

Ambulatory Setting Test Data for §170.314(b)(7) Data portability

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.

INTRODUCTION

This document contains a sample of test data to be used as an illustration of 170.314 (b)(7) in the ambulatory setting. The test procedure for §170.314(b)(7) Data portability requires the Tester to validate the expected results for an ambulatory setting export summary, found on page 7.

TD170.314.b.7 - Encounter 1

Demographics and Care Team

Name	Sex	Date of Birth	Race	Ethnicity	Preferred Language	Preferred Language Code System	Care Team Members
Maria Hernandez	F	2/18/1966	White	Hispanic or Latino	Spa	ISO 639-2 alpha 3 code	Primary care provider – Dr. James Getwell Grandfather – Diego Cruz

Encounter Diagnosis

Code	Code System	Description	Date	Finding	Finding Code
99212	CPT	Outpatient Visit	10/28/2011	Acute pharyngitis	363746003 – SNOMED-CT

Smoking Status

Element Description	Description	Start Date	End Date	Code	Code System
Smoking status	Never smoker	-	-	266919005	SNOMED-CT

Vitals

Vitals	Date	Value
Height	10/28/2011	64 in
Weight	10/28/2011	150 lbs
Blood Pressure	10/28/2011	114/76 mmHg
BMI	10/28/2011	25.7

TD170.314.b.7 - Encounter 2

Demographics

Name	Sex	Date of Birth	Race	Ethnicity	Preferred Language	Preferred Language Code System
Maria Hernandez	F	2/18/1966	White	Hispanic or Latino	Spa	ISO 639-2 alpha 3 code

Encounter Diagnosis

Code	Code System	Description	Date	Finding	Finding Code
99212	CPT	Outpatient visit	3/30/2012	Essential hypertension	59621000 – SNOMED-CT

Smoking Status

Element Description	Description	Start Date	End Date	Code	Code System
Smoking status	Current some day smoker	1/1/2012	-	428041000124106	SNOMED-CT

Vitals

Vitals	Date	Value
Height	3/30/2012	64 in
Weight	3/30/2012	158 lbs
Blood Pressure	3/30/2012	168/97
BMI	3/30/2012	27.1

Immunizations

Vaccine Code	Code System	Vaccine Name	Date	Status
88	CVX	Influenza virus vaccine	3/30/2012	Completed

Care Plan, Goals, and Instructions (Examples and sample format provided; Vendor-supplied data that includes care plan goals and instructions is permitted.)

Goal	Instructions
Smoking cessation	Resources and instructions provided during visit
Weight loss	Diet and exercise counseling provided during visit
Preventative Health	Annual pap smear, biennial screening mammogram, and annual clinical breast exam

DRAFT

TD170.314.b.7 - Encounter 3

Demographics

Name	Sex	Date of Birth	Race	Ethnicity	Preferred Language	Preferred Language Code System
Maria Hernandez	F	2/18/1966	White	Hispanic or Latino	Spa	ISO 639-2 alpha 3 code

Encounter Diagnosis

Code	Code System	Description	Date	Finding	Finding Code
99213	CPT	Outpatient visit	Test date	Pneumonia	233604007 – SNOMED-CT

Problems

Code	Code System	Problem Name	Start Date	End Date	Status
233604007	SNOMED-CT	Pneumonia	Test date	-	Active
59621000	SNOMED-CT	Essential hypertension	3/30/2012	-	Active
195967001	SNOMED-CT	Asthma	Select any date	-	Active
363746003	SNOMED-CT	Acute pharyngitis	10/28/2011	Select any date (after 10/28/2011)	Resolved

Medications

Code	Code System	Medication	Start Date	Route	Dose	Status	Fill Instructions
141962	RxNorm	azithromycin	Test date	Oral	Take 500 mg on day 1, then 250 mg tablet once daily for next 4 days	Active	Generic substitution allowed
866924	RxNorm	metoprolol tartrate	Select any date	Oral	Select dose (5 mg to 40 mg in multiples of 5) tablet, once daily	Active	Generic substitution allowed
202908	RxNorm	Proventil 0.09 MG/ACTUAT metered dose	Select any date	Inhalant	0.09 MG/ACTUAT metered dose, 2 puffs QID PRN wheezing	Active	Generic substitution allowed

Medication Allergies

Code	Code System	Allergy Substance	Reaction (if available)	Severity	Status
7982	RxNorm	Penicillin G benzathine	Select reaction (e.g., Hives, Swelling, Shortness of Breath, or Anaphylaxis)	Select severity (e.g., Mild, Moderate, or Severe)	Active
2670	RxNorm	Codeine	Select reaction (e.g., Hives, Swelling, Shortness of Breath, or Anaphylaxis)	Select severity (e.g., Mild, Moderate, or Severe)	Active
1191	RxNorm	Aspirin	Select reaction (e.g., Hives, Swelling, Shortness of Breath, or Anaphylaxis)	Select severity (e.g., Mild, Moderate, or Severe)	Active

Laboratory Values

Test Code	Code System	Name	Actual Result	Date
30313-1	LOINC	HGB	Select value (Range: 13.5 g/dl to 18.0 g/dl)	Test date
20570-8	LOINC	HCT	Select value (Range: 41% to 53%)	Test date
33765-9	LOINC	WBC	Select value (Range: 4.3 to 10.8) (10 ³ /ul)	Test date
26515-7	LOINC	PLT	Select value (Range: 150 to 400) (10 ³ /ul)	Test date

Vitals

Vitals	Date	Value
Height	Test date	64 in
Weight	Test date	162 lbs
Blood Pressure	Test date	Select systolic (Range: 120 mmHg – 150 mmHg) and diastolic (Range: 80 mmHg to 95 mmHg)
BMI	Test date	27.8

Procedures

Code	Code System	Procedure Name	Target Site	Date of Procedure
168731009	SNOMED-CT	Chest X-Ray, PA and Lateral Views	82094008 (Lower respiratory tract structure)	Test date

Cognitive and Functional Status [add examples required language to say no standard specified for this information]

Functional Condition	Code	Code System	Date	Status
No impairment	66557003	SNOMED-CT	Test date	Active

Referrals

Reason for Referral	Provider Name	Provider Office Contact	Scheduled Date
Pulmonary function tests	Dr. George Lung	Barbara Jones 987 Anymed Way Houston, TX 77002 (555) 555-1234	Test date + 7 days

TD170.314.B.7 – EXPECTED RESULTS

The Consolidated CDA for the test patient should include the information within this section, which represents a minimum compilation of most current clinical information for Data Portability across Ambulatory Encounters 1, 2, and 3. The Vendor may include additional longitudinal information for laboratory test results, immunizations, and procedures, and other data elements in the export summary; this information is encouraged, but is not required for the export summary in Consolidated CDA format.

Asterisks indicate the Consolidated CDA data element required for the export summary, based upon the Data Portability certification criteria and requirements for vocabulary standards, and based on associated certification criteria. Where no asterisk is noted, there is no specific format or requirement for organizing the information within the Consolidated CDA.

Demographics

Name	Sex	Date of Birth	Race	Ethnicity	Preferred Language	Preferred Language Code System
Maria Hernandez*	F*	2/18/1966*	White*	Hispanic or Latino*	Spa*	ISO 639-2 alpha 3 code

Smoking Status

Element Description	Description	Start Date	End Date	Code	Code System
Smoking status	Current some day smoker*	1/1/2012	-	428041000124106*	SNOMED-CT

Problems

Code	Code System	Problem Name	Start Date	End Date	Status
233604007*	SNOMED-CT	Pneumonia	Test date	-	Active
59621000*	SNOMED-CT	Essential hypertension	3/30/2012	-	Active
195967001*	SNOMED-CT	Asthma	Selected date	-	Active

Medications

Code	Code System	Medication	Start Date	Route	Dose	Status	Fill Instructions
141962*	RxNorm	azithromycin	Test date	Oral	Take 500 mg on day 1, then 250 mg tablet once daily for next 4 days*	Active	Generic substitution allowed
866924*	RxNorm	metoprolol tartrate	Selected date	Oral	Selected dose* (5 mg to 40 mg in multiples of 5) tablet, once daily	Active	Generic substitution allowed
202908*	RxNorm	Proventil 0.09 MG/ACTUAT metered dose	Selected date	Inhalant	0.09 MG/ACTUAT metered dose, 2 puffs QID PRN wheezing*	Active	Generic substitution allowed

Medication Allergies

Code	Code System	Allergy Substance	Reaction	Severity	Status
7982*	RxNorm	Penicillin G benzathine	Selected reaction (e.g., Hives, Swelling, Shortness of Breath, or Anaphylaxis)	Selected severity (e.g., Mild, Moderate, or Severe)	Active
2670*	RxNorm	Codeine	Selected reaction (e.g., Hives, Swelling, Shortness of Breath, or Anaphylaxis)	Selected severity (e.g., Mild, Moderate, or Severe)	Active
1191*	RxNorm	Aspirin	Selected reaction (e.g., Hives, Swelling, Shortness of Breath, or Anaphylaxis)	Selected severity (e.g., Mild, Moderate, or Severe)	Active

Laboratory Tests and Values

Test Code	Code System	Name	Actual Result	Date
30313-1*	LOINC	HGB	Selected value* (Range: 13.5 g/dl to 18.0 g/dl)	Test date*
20570-8*	LOINC	HCT	Selected value* (Range: 41% to 53%)	Test date*
33765-9*	LOINC	WBC	Selected value* (Range: 4.3 to 10.8) (10 ³ /ul)	Test date*

26515-7*	LOINC	PLT	Selected value* (Range: 150 to 400) (10 ³ /ul)	Test date*
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Vitals

Vitals	Date	Value
Height	Test date	64 in*
Weight	Test date	162 lbs*
Blood Pressure	Test date	Selected systolic* (Range: 120 mmHg – 150 mmHg) and diastolic (Range: 80 mmHg to 95 mmHg)
BMI	Test date	27.8*

Care Plan, Goals, and Instructions (Examples and sample format provided; Vendor-supplied data that includes care plan goals and instructions is permitted.)

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Procedures

Code	Code System	Procedure Name	Target Site	Date of Procedure
168731009*	SNOMED-CT	Chest X-Ray, PA and Lateral Views	82094008 (Lower respiratory tract structure)	Test date

Care Team Members

Care Team Members
Primary care provider – Dr. James Getwell Grandfather – Diego Cruz

Encounter Diagnosis

Code	Code System	Description	Date	Finding	Finding Code
99213*	CPT	Outpatient visit	Test date	Pneumonia	233604007 – SNOMED-CT

Immunizations

Vaccine Code	Code System	Vaccine Name	Date	Status
88*	CVX	Influenza virus vaccine	3/30/2012*	Completed

Cognitive and Functional Status

Functional Condition	Code	Code System	Date	Status
No impairment	66557003	SNOMED-CT	Test date	Active

Referrals

Reason for Referral	Provider Name	Provider Office Contact	Scheduled Date
Pulmonary function tests	Dr. George Lung	Barbara Jones 987 Anymed Way Houston, TX 77002 (555) 555-1234	Test date + 7 days