EMR Core Data Set Standard (CDS-S)

Requirements

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1. INTRODUCTION

1.1 Purpose

This document provides the information necessary for an EMR Offering to align with the EMR Core Data Set Standard (CDS-S) requirements.

1.2 Version History

VERSION	REVISION DATE	REVISION NOTES
1.0	2017-08-04	a) Initial release of EMR Specification version 5.0 Final
1.1	2021-01-25	a) Updated formatting for conformance with current specifications template. b) Renamed EMR Specification to Core Data Set to Core Data Set Standard (CDS-S) and removed Specification version from document title. c) Moved Data Dictionary legend (previously Appendix B) to the Data Dictionary, updated legend. d) Added use of FHIR element names to reference CDS data elements. e) Updated name of FHIR Element Name column in Data Dictionary to Physical Element Name. f) Removed Appendix A section.

2. EMR REQUIREMENTS

This section consists of the EMR functional requirements for EMR CDS-S.

Support:
M = Mandatory. EMR Offerings certified for this specification MUST support this requirement
O = Optional. EMR vendors MAY choose to support this requirement in their certified EMR Offering

Status:
N = New requirement for this EMR Specification version
P = Previous requirement
U = Updated requirement from the previous EMR Specification version
R = Retired requirement from the previous EMR Specification version

OMD #:
A unique identifier that identifies each requirement within OntarioMD's EMR Requirements Repository

CONFORMANCE LANGUAGE

The following definitions of the conformance verbs are used in this document:

- **SHALL/MUST**: Required/Mandatory
- **SHOULD**: Best Practice/Recommendation
- **MAY**: Acceptable/Permitted

The tables that follow contain column headings named: 1) “Requirement,” which generally contains a high-level requirement statement; and 2) “Guidelines,” which contains additional instructions or detail about the high-level requirement. The text in both columns is considered requirement statements.

2.1 Logical Data – Store and Display

OMD #	REQUIREMENT	GUIDELINES	M/O	STATUS
CDS01.01	The EMR Offering MUST be able to store the logical data elements defined in the EMR CDS-S Data Dictionary.	Logical data elements MAY be physically stored in different ways in EMR Offerings. For example, the logical data element “Blood Pressure” might be stored and displayed as two different fields, one for systolic and one for diastolic. EMR Offerings MUST NOT physically store two separate logical data elements as a single element. For example, there is a logical data element for patient roster and another for patient enrolment, because they are two different concepts. Combining these logical data elements into a single field is not acceptable.	M	P
CDS01.02	The EMR Offering MUST be able to display the logical data elements defined in the EMR CDS-S Data Dictionary.	Logical data elements MAY be physically displayed in different ways in EMR Offerings. For example, the logical data element “Blood Pressure” might be displayed as two different fields, one for systolic and one for diastolic. EMR Offerings MUST NOT combine two separate logical data elements into a single physical data element in the display. For example, there is a logical data element for patient roster and another for patient enrolment, because they are two different	M	P

OMD #	REQUIREMENT	GUIDELINES	M/O	STATUS
		concepts. Combining these logical data elements into a single field in the user interface is not acceptable.		
CDS01.03	The EMR Offering MUST NOT present default values in the user interface for the following data elements: a) Long-Term Medication (DE09.016) b) Patient Compliance (DE09.018) c) Substitution Not Allowed (DE09.029) d) Smoking Status (DE16.013) e) Erectile Function (DE16.019)	These data elements are binary (e.g., yes or no) indicators that require the EMR user to explicitly decide whether or not they should be populated.	M	P
CDS01.04	The EMR Offering MUST allow backdating for the following data elements: a) Prescription Written Date (DE09.001) b) Start Date (DE09.002) c) Receive Date (DE14.005)	These data elements must allow the EMR user to enter past dates to accommodate use cases such as when the EMR Offering is not available to the EMR user and this data needs to be subsequently entered when the EMR Offering becomes available.	M	P
CDS01.05	The EMR Offering MUST support the display and storage of the patient's residential and mailing addresses.	The Address Type logical data element is listed as optional in the Data Dictionary because EMR Offerings could meet this requirement by supporting a set of residential address data elements (e.g., "Residential Street Address", "Residential City") and a separate set of mailing address data elements (e.g., "Mailing Street Address", "Mailing City") or by having generic address data elements (e.g.,	M	P

OMD #	REQUIREMENT	GUIDELINES	M/O	STATUS
		"Street Address", "City") which are associated with an Address Type (e.g., Residential, Mailing)		