ONC Health IT

Certification Details

Including Cost and Limitations Disclosure and Electronic Health Information Export Documentation

Information for Meaningful Use and other regulatory programs

Costs and Limitations of Certified Health IT

Capability	Description of Capability	Costs or Fees *Types of costs or fees that a user may be required to pay to purchase, license, implement, maintain, upgrade, use, or otherwise enable and support the use of the implementation or use of the capability -OR- in connection with the data generated in the course using the capability*	Contractual Limitations *Limitations of a contractual nature (including developer policies and other business practices) that a user may encounter in the implementation or use of the capability -OR- in the connection with the data generated in the course of using the capability*	Technical or Practical Limitations *Limitations of a technical or practical nature that a user may encounter that could prevent or impair the successful implementation, configuration, maintenance, support or use of the capability -OR- prevent or limit the use, exchange or portability of any data generated in the course of using the capability*
PediNotes 2015 Edition criteria: a1, a2, a3, a4, a5, a9, a12, d1, d2, d3, d4, d5, d6, d7, g2, g3, g4, g5 2015 CURES Criteria: d2, d3, d12 PediNotes does not support Multi-factor Authentication (MFA) criteria d13 (see next page)	2015 Edition certified PediNotes includes the following: Support for enterprise data repository, CPOE, and clinical documentation PediNotes supports extensive clinical decision support capabilities including drug-drug, drug-allergy, and drug-formulary checks Clinical documentation capabilities allow users to document, review, and edit patient demographics, vital signs, problem lists, medication lists, medication allergy lists, electronic notes, smoking status, and family health history Users can also view image result reports from a patient's chart and create, view, and edit their patient lists. They can record the presence of advance directives for a patient in the patient's electronic chart PediNotes supports electronically receiving clinical laboratory tests and values/results and incorporating this information into a patient's chart	Applications and interfaces require a software license fee, implementation costs for installation, and annual maintenance costs once in live use (maintenance includes Tecurologic support and software upgrades). The cost of the software is on a monthly basis for qualified user. Installation of interfaces is a one-time cost with yearly maintenance agreements. Installation of data warehouse package is a one-time cost with yearly maintenance agreements. EMRDirect – Needed for Transition of Care exchange SQL Server – PediNotes runs using SQL Server backend database. In addition SQL Server Reporting Services (part of SQL Server) is required for full usage of PediNotes Corepoint – Needed for interoperability functions using HL7 HL7 interfaces not meeting vendor specifications will be subject to additional development costs.	There is a written contract regarding the purchase of PediNotes. There are not any contractual limitations on the implementation or use of certified capabilities or the data generated by these capabilities. There are no business policies or practices that may cause limitations in the implementation or use of certified capabilities. There is a standard license software agreement for the purchaser of SQL Server. Users must purchase SQL Server from Microsoft.	No technical or practical limitation

We are required by certification guidelines to add the following text to any document referencing our EHR certification status:

This Health IT Module is 2015 Edition compliant and has been certified by an ONC-ACB in accordance with the applicable certification criteria adopted by the Secretary of Health and Human Services. This certification does not represent an endorsement by the U.S. Department of Health and Human Services.

Vendor Name	Tecurologic
Product	PediNotes
Type	EHR Module
Version on the CHPL Certification # (test results summary hyperlinked) *Date Granted*	**PediNotes 5.1 -** 15.04.04.2375.Pedi.51.0.1.170914 - 9/14/2017
Criteria certified on	a1, a2, a3, a4, a5, a9, a12, d1, d2, d3, d4, d5, d6, d7, g2, g3, g4, g5
CURES criteria certified on	d2, d3, d12 PediNotes is not an internet facing application. It is an intranet application deployed to a hospital network. Therefore, we rely on MFA being deployed by the hospital at the hospital network login level and do not support criteria d13: Multi-factor authentication.
Quality Measures	N/A
Additional software for demonstration	Additional software includes SQL Server.

Costs	Applications and interfaces require a software license fee, implementation costs for installation, and annual maintenance costs once in live use (maintenance includes Tecurologic support and software upgrades).
Limitations	There are no known limitations that a user may encounter in the course of implementing and using this Modular EHR's capabilities, whether to meet meaningful use objectives and measures or to achieve any other use within the scope of the health IT's certification.

PediNotes Version 5 Electronic Health Information Export Documentation

Last Updated November 29, 2023

In accordance with the ONC's 2015 Edition Cures Update certification criterium, as required by §170.315(b)(10) Electronic Health Information export, Tecurologic will provide up-to-date documentation related to the format of PediNotes' EHI export.

Export Instructions

1. Search for patient(s) to export using the search functionality in the PediNotes Patient List.
2. On the menu, navigate to Tools -> Export Patient Data. A new dialog window will appear.
3. In the dialog, select the output directory where the export results will be saved and click Save.

File Structure

PediNotes exports all non-multimedia files in XML format. The data in the XML document is compacted to save space on disc and decrease export times but can be uncompacted by most common XML file readers to make them more human readable. Multimedia files will be exported in their native format (I.e., PDF, MP3, MP4, etc.).

PediNotes will create a directory for each exported patient. The folder name will be the exported patient's medical record number. Inside each directory will be the XML document, named PatientData.xml, and associated multimedia files (if any). Each multimedia file will be uniquely named and will be referenced by name in the PatientData.xml document.
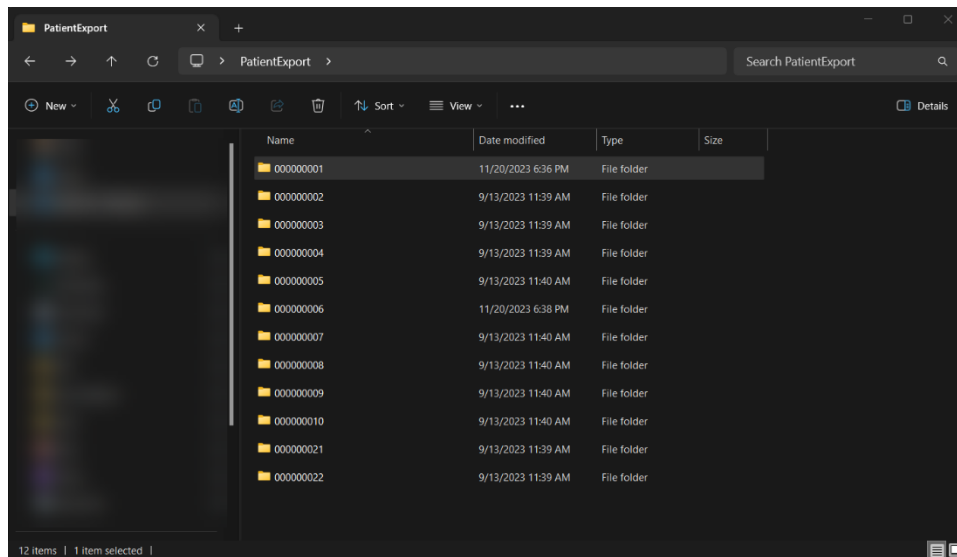
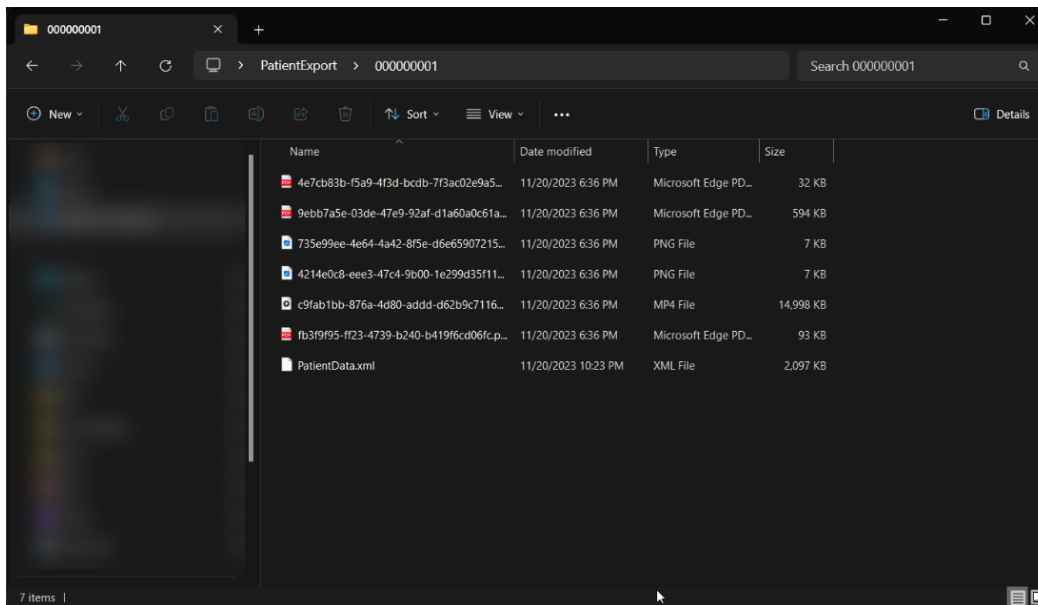*Figure 1- Directory output showing 12 exported patients.*

Figure 2- An exported patient's output containing the PatientData.xml XML file and associated multimedia files.

XML Structure

The table below details the PatientData.xml structure. It has a single PatientsEntity as its root. Some fields may only have a unique identifier in them, often this means there is another field with a similar name that contains an entity with the full data (e.g., Birth and Birth_ or Suffix and Suffixes). The table below will give a brief outline of the data contained in the XML document.

Property	Description
PatientsEntity	Root XML object encapsulating a single patient's data
Gender	Birth sex
Prefixes	Patient's name prefixes (Mr., Mrs., Dr., etc.)
Suffixes	Patient's name suffixes (Sr., Jr., I, II, III, etc.)
PersonEthnicityList	Patient's ethnicities
PersonRaceList	Patient's races

Birth	Information regarding the patient's birth, the related labor, and the related pregnancy: • Ballard/APGAR scores • Gestational Age • Pregnancy scores • Prenatal Care • Pregnancy diagnoses/medications • Labor complications • Delivery record • Resuscitation Therapy
IntrauterineGrowth	Patient's intrauterine growth (SGA, AGA, LGA)
PreferredLanguage	Patient's preferred language
MedicalFacilityBed	Information related to the patient's current location in the hospital
DailyAttending	Last assigned daily attending for the patient
MedicalProfessionalAssignedTo	Last assigned provider (MD, NNP, PA) for the patient
CurrentPatientADT	Contains ADT information for the patient received from the hospital
MedicalFacilityAdmissionEncounterList	Patient's visit history detailing when the patient was admitted to a particular facility. Each MedicalFacilityAdmissionEncounter contains a list of MedicalPracticeAdmissionEncounter.
MedicalPracticeAdmissionEncounterList	For a given hospital visit, lists which provider groups have had an encounter with the patient. Each encounter contains additional information including: • Admission details (patient origin, patient destination, patient type) • Discharge details (type of discharge, date of discharge, discharging provider, follow up appointments) • Guarantor Information • Chief complaint

MedicalProfessionalPatientAssignmentList	List of providers assigned to the patient's care team and what time periods they cared for patient
PatientMedicalFacilityInformationList	Lists the patient's medical record number for a given medical facility
MedicalHistories	Information related to palliative care, maternal STDs, substance abuse, socioeconomic history, and sedation history
FamilyHistories	Information related to the medical history of the patient's family
PatientHistories	Information related to patient's past medical history
VitalSigns	Lists patient's vital signs, including: • Heart Rate • Blood Pressure • Temperature • Breaths per minute
VitalSignStatistics	Lists patient's max, min, average for a given vital sign parameter for a given day. Statistical data calculated from vital sign information captured by bedside monitors
ApneaBradycardiaEpisodes	Lists patient's apnea and bradycardia episodes that occurred during hospitalization
VentilatorOrders	Lists patient's ventilator history, including: • Equipment • Modality • Settings
PhysicalExams	Lists all physical exams performed by a provider
Measurements	Lists all of a patient's measurements captured , including: • Weight (kg) • Length (cm) • Head circumference (cm)

EnteralFluidOrders	Lists the patient's enteral feeding history, including: • Formula • Breastfeeding • Supplemental feedings • Fortifiers • Route of feeding • Amount given • Nipple type • Rate change history
IvFluidOrders	Lists the patient's IV fluid history, including • TPN • Lipids • TPN component makeup • Administration rate • Duration • Administration rate change history
Outputs	Lists the patient's daily output for each day of hospitalization, including: • # voids • Urine • Blood • Gastric • Ostomy • Stool • Emesis • Chest Tube
PatientTransports	Lists patient's transport history, including: • Members of transport team • Base facility • Destination facility • Duration of transport
PatientImmunizations	Lists patient's immunization history, including: • Medication

	• Administer date
BloodOrders	Lists patient's transfusion history, including: • Blood product • Amount infused • Duration • Site • Catheter
LabResults	Lists patient's lab results
CustomLabResults	Lists patient's lab results
RadiologyResults	Lists patient's radiology results, including: • Narrative • Date image taken • Type of image taken • Image (stored as a multimedia file)
Media	Lists patient's multimedia documented in PediNotes, such as images and videos. The Id field of these entities relates to the file names of the multimedia items in the patient's export folder.
Documents	Transition of care documents associated with the patient
UploadedDocuments	Miscellaneous PDF files associated with the patient. The Id field of these entities relates to the file names of the PDFs in the patient's export folder.
Diagnoses	Lists patient's diagnosis history, including: • Duration of diagnosis • Diagnosis modification history • Plans • Provider comments. • Images or videos associated with the diagnoses. The Id field of these entities

	relates to the file names of the multimedia items in the patient's export folder.
Medications	Lists the patient's medication history during hospitalization, including: • Type of medication • Dosage • Duration
Procedures	Lists patient's procedure history during hospitalization, including: • Type of procedure • Provider(s) performing procedure • Success • # attempts • Associated diagnosis
CarePlans	Lists care plans associated with the patient
Equipment	Lists patient's discharge/transfer equipment
Allergies	Lists patient's allergies, including: • Reaction(s) • Severity
PrimaryCarePhysicians	Lists patient's primary care physicians
AdvanceDirectiveEntities	Lists patient's advance directives
PatientReports	Lists provider documentation for a patient, including: • Type of note • Provider generating note • Note contents