



TENNESSEE DEPARTMENT OF HEALTH (TDH)

Tennessee Cancer Registry (TCR)

Meaningful Use (MU): Implementation Guide

Please note that the information in this document only applies to cancer case reporting in Tennessee. The information below does not pertain to Immunization Registry updates, Electronic Laboratory Reporting, or Syndromic Surveillance.

Introduction

Population-based cancer surveillance is critical in North America for cancer control activities aimed at reducing the morbidity and mortality of cancer, the second leading cause of death in the United States. Cancer reporting from ambulatory providers to state cancer registries is a new public health objective for Stage 2 Meaningful Use. Reporting to cancer registries by healthcare providers would address current underreporting of cancer, especially certain types. In the past most cancers were diagnosed and/or treated in a hospital setting and data were primarily collected from this source. However, medical practice is changing rapidly and an increasing number of cancer cases are never seen in a hospital. Data collection from providers presents new challenges since the infrastructure for reporting is less mature than it is in hospitals. Certified EHR Technology can address this barrier by identifying reportable cancer cases and treatments to the provider and facilitating electronic reporting either automatically or upon verification by the provider.

Purpose

The purpose of this guide is to provide eligible professionals, who meet the requirements for cancer case reporting under Meaningful Use, with the information necessary for successful cancer case reporting to TCR. Standards specifications provided in this guide are designed to facilitate the implementation of an automated electronic process for the identification and reporting of cancer cases, treatment, and outcomes from ambulatory healthcare provider EHR systems to public health central cancer registries. This guide is intended for eligible professionals, and their vendors, and business associates. Automated electronic reporting is expected to reduce labor and increase the security, completeness, timeliness and accuracy of cancer surveillance data.

Useful Links

[Health Level 7 International](#)

[Clinical Document Architecture \(CDA\), Release 2 Information](#)

[Implementation Guide for Ambulatory Healthcare Provider Reporting to Central Cancer Registries, HL7 CDA](#)

[Cancer Reporting Clarification Document for Electronic Health Record \(EHR\) Technology Certification](#)

[Transport Options](#)

[Public Health Reporting Task Force](#)

Registry Contact Information

For more information about reporting cancer cases electronically in Tennessee, please contact:

Tennessee Cancer Registry (TCR) at (615) 741-5548 or email us at TNCancer.Registry@tn.gov

Provider Checklist for Achieving Meaningful Use (MU) Cancer Case Reporting in Tennessee

PRE-REGISTRATION: DETERMINING ELIGIBILITY

❖ In order to participate in Cancer Case Reporting under MU, Eligible Professionals (EPs) must be able to answer 'Yes' to the following questions:

Eligible Professional Activity	Complete
Did you meet Meaningful Use Stage 1 requirements?	Yes
<p>Are you a professional that diagnoses or treats cancer patients?</p> <p>All histologies in the <i>International Classification of Diseases for Oncology, Third Edition (ICD-0-3)</i> with a behavior of /2 or /3 are reportable except:</p> <ul style="list-style-type: none"> ▪ Prostatic intraepithelial neoplasia (PIN III) of the prostate (C61.9) ▪ Carcinoma in situ of the cervix (/2) or cervical intraepithelial neoplasia (CIN III) of the cervix ▪ Malignant primary skin cancers (C44.0—C44.9) with any of the following histology codes are not required: <ul style="list-style-type: none"> ○ Malignant neoplasm (8000-8005) ○ Epithelial carcinoma (8010-8046) ○ Papillary and squamous cell carcinoma (8050-8084) ○ Basal cell carcinoma (8090-8110) 	Yes
<p>Do you have certified Electronic Health Record (EHR) software that is able to record Cancer Case Information and is capable of Transmission to Cancer Registries?</p> <p>The list of certified products from ambulatory vendors can be found within the Office of the National Coordinator for Health Information Technology's Certified Health IT Product List.</p> <ol style="list-style-type: none"> 1. From this website select 'View all products' located under the search box 2. In the menu on the left hand side of the web page: <ol style="list-style-type: none"> a. Under CERTIFICATION EDITION check the box listed '2014' b. Under CERTIFICATION CRITERIA: <ol style="list-style-type: none"> i. Select '170.314(f)(5)' ii. Select '170.314(f)(6)' 3. Look for your EHR product and select it by clicking on the name of the product to verify it is certified 	Yes

Note: EPs who do not have EHR software certified by the Office of the National Coordinator (ONC) for Health Information Technology to transmit cancer data will be able to register with the Tennessee Cancer Registry (TCR) in the Trading Partner Registration (TPR) application; however, those EPs will be *unable* to test with TCR until their software is certified by ONC to transmit cancer case information.

PHASE 1: REGISTRATION

❖ EP's registration of intent to exchange data electronically with TDH

Eligible Professional Activity	Complete	Tennessee Cancer Registry Response
<p>Identify the individuals who will be responsible for testing, validation, and ongoing cancer data submission.</p> <p><i>This step is vital to achieving successful registration of EPs within the Trading Partner Registration (TPR) application.</i></p>		N/A
<p>Work with EHR vendor to receive proper training in using EHR software to ensure the information required for cancer case reporting is captured.</p>		N/A
<p>Complete registration through the Trading Partner Registration (TPR) application using the TPR User's Guide.</p>		Review registration request.
<p>If EP's EHR <i>is not certified</i> by ONC to transmit cancer data to TCR, EP will be placed in Registration Queue until EP's EHR is certified.</p> <p>Once EP's EHR receives certification from the ONC to transmit cancer data to TCR, EP will resubmit TPR registration.</p>		Deny EP's registration submission until EP's EHR receives certification from the ONC to transmit cancer data to TCR.
<p>If EP's EHR <i>is certified</i> by ONC to transmit cancer data to TCR, EP will continue to Phase 2: Testing with Vendor.</p>		Approve EP's registration submission and provide EP with Onboarding Instructions.

Note: EPs with a certified EHR system that report less than 2-3 cancer cases per year may be placed on a "Not a Target for On-boarding" wait list.

PHASE 2: TESTING WITH VENDOR

❖ EP's Creation of Certified Test Message According to Specification in the Implementation Guides

Eligible Professional Activity	Complete	Tennessee Cancer Registry Response
<p>Work with EHR vendor to ensure CDA documents are formatted correctly, using the correct codes, and filled with valid data.</p> <p>To obtain clear and concise specifications for electronic reporting to a central cancer registry, review the Implementation Guide for Ambulatory Healthcare Provider Reporting to Central Cancer Registries.</p> <p>For more information about these fields, refer to the Cancer Reporting Errata and Clarification Document for Electronic Health Record (EHR) Technology Certification.</p>		N/A
<p>Work with EHR vendor to validate a Test Message using the CDA Validation Plus Tool.</p> <p>EPs and EHR vendors may obtain download information for the CDA Validation Plus Tool by e-mailing a request to Lindsay Ryan at viu3@cdc.gov.</p>		N/A
<p>Review error report generated by the CDA Validation Plus Tool and correct all errors from Test Message.</p> <p>EPs should ensure that their EHR vendor addresses all errors identified during in-house validation with the validation tools provided by the National Institute of Standards and Technology (NIST) before engaging in tests with TCR.</p>		N/A
<p>Notify TCR that Test Message contains no errors by submitting NIST and CDA Validation Plus error reports from EP to TNCancer.Registry@tn.gov. In the subject of your message, include the name of your facility and indicate that it contains error reports.</p> <p>EP is placed in the Onboarding Queue until TDH initiates secure transport discussion.</p>		<p>Discuss with EP secure transport options offered by the Tennessee Department of Health (TDH).</p> <p>TCR currently supports SFTP and DIRECT transport methods.</p>

Note: Use of HL7 Clinical Document Architecture (CDA), Release 2.0 is required.

PHASE 3: ON-BOARDING

❖ TCR's Quality Assurance Review to Validate CDA Documents' Content and Format

Eligible Professional Activity	Complete	Tennessee Cancer Registry Response
Establish secure transport method with TDH.		Assist EP and TDH with transport mechanism setup.
<p>Work with TCR to generate and submit initial CDA document from EHR software to ensure CDA document will contain valid values.</p> <p>When submitting initial test message to TCR, include error reports generated by CDA Validation Plus to indicate test message is free of errors.</p>		Validate EP's Test Message and provide the resulting error report to EP.
<p>If validation fails, EP will receive a request for action notice to resolve any issues.</p> <p><i>EPs are required to respond within 30 days. EPs that fail to respond within 30 calendar days to TCR requests for action on two (2) separate occasions will fail to meet the cancer case reporting menu objective.</i></p>		Alert EP of any issues that need to be corrected and request corrective action from EP.
If validation passes , EP is placed in the Production Queue and will wait in the queue until further status update from TCR.		Provide instruction on how to begin transmission of production-ready CDA documents when EP reaches the front of the Production Queue.

PHASE 4: PRODUCTION

❖ EP's Submission of HL7 CDA Cancer Data and Participation in Quality Assurance Activities

Eligible Professional Activity	Complete	Tennessee Cancer Registry Response
<p>Generate and submit initial Production Message to TCR.</p> <p>After the data have been transmitted and validated, EP will receive confirmation from TCR and instructions for ongoing submission.</p> <p><i>All cancer cases must be reported within 6 months of diagnosis or treatment.</i></p>		<p>Validate EP's Production Message and provide the resulting error report to EP.</p> <p>Provide EP with instructions for ongoing submission.</p>
<p>If validation fails, EP will receive a Request For Action notice to resolve any issues.</p>		<p>Issue a Request For Action to resolve any issues with EP's submission.</p>
<p>If validation passes, EP will receive an official letter from TCR via the TPR application.</p> <p>This letter will serve as attestation that EP has completed the onboarding process with TCR and has therefore met the Cancer Case Reporting menu objective under Meaningful Use.</p>		<p>Provide EP with an official letter that serves as attestation that EP has completed the onboarding process and has met the Cancer Case Reporting menu objective under Meaningful Use.</p> <p>Supply EP with instructions for on-going submission.</p>
<p>EP attests to meeting Cancer Case Reporting menu objective under Meaningful Use Stage 2 and continues ongoing submission of cancer data to TCR.</p>		<p>Perform Annual Quality Assurance Testing.</p>

If you have any questions or concerns about reporting electronically, you can contact the TCR staff at TNCancer.Registry@tn.gov.