ONC HIT Certification Program
Test Results Summary for 2014 Edition EHR Certification

Part 1: Product and Developer Information

1.1   Certified Product Information

Product Name:	Team Chart Concept
Product Version:	5.1
Domain:	Ambulatory
Test Type:	Complete

1.2   Developer/Vendor Information

Developer/Vendor Name:	Ulrich Medical Concepts
Address:	1640 McCracken Blvd
	Paducah, KY 42001
Website:	www.ulrichmedicalconcepts.com
Email:	sales@ulrichmedicalconcepts.com
Phone:	Vendor elected not to provide
Developer/Vendor Contact:	Matt Wurth

Part 2: ONC-Authorized Certification Body Information

2.1   ONC-Authorized Certification Body Information

ONC-ACB Name:	SLI Compliance
Address:	4720 Independence St.
	Wheat Ridge, Colorado 80033
Website:	www.slicompliance.com
Email:	acb@slicompliance.com
Phone:	844-754-8683
ONC-ACB Contact:	Lesley Hoppert, Certification Manager

This test results summary is approved for public release by the following ONC-Authorized Certification Body Representative:

Lesley Hoppert	Certification Manager
ONC-ACB Authorized Representative	**Function/Title**

_____

Signature and Date

2.2 Gap Certification

The following identifies criterion or criteria certified via gap certification

§170.314			
☐ (a)(1)	☐ (a)(17)	☐ (d)(5)	☐ (d)(9)
☐ (a)(6)	☐ (b)(5)*	☐ (d)(6)	☐ (f)(1)
☐ (a)(7)	☐ (d)(1)	☐ (d)(8)	

*Gap certification allowed for Inpatient setting only

☒ No gap certification

2.3 Inherited Certification

The following identifies criterion or criteria certified via inherited certification

§170.314			
☐ (a)(1)	☐ (a)(14)	☐ (c)(3)	☐ (f)(1)
☐ (a)(2)	☐ (a)(15)	☐ (d)(1)	☐ (f)(2)
☐ (a)(3)	☐ (a)(16) *Inpt. only*	☐ (d)(2)	☐ (f)(3)
☐ (a)(4)	☐ (a)(17) *Inpt. only*	☐ (d)(3)	☐ (f)(4) *Inpt. only*
☐ (a)(5)	☐ (b)(1)	☐ (d)(4)	☐ (f)(5) *Optional & Amb. only*
☐ (a)(6)	☐ (b)(2)	☐ (d)(5)	
☐ (a)(7)	☐ (b)(3)	☐ (d)(6)	☐ (f)(6) *Optional & Amb. only*
☐ (a)(8)	☐ (b)(4)	☐ (d)(7)	
☐ (a)(9)	☐ (b)(5)	☐ (d)(8)	☐ (g)(1)
☐ (a)(10)	☐ (b)(6) *Inpt. only*	☐ (d)(9) *Optional*	☐ (g)(2)
☐ (a)(11)	☐ (b)(7)	☐ (e)(1)	☐ (g)(3)
☐ (a)(12)	☐ (c)(1)	☐ (e)(2) *Amb. only*	☐ (g)(4)
☐ (a)(13)	☐ (c)(2)	☐ (e)(3) *Amb. only*	

☒ No inherited certification

Part 3: NVLAP-Accredited Testing Laboratory Information

Report Number:

Test Date(s):

3.1 NVLAP-Accredited Testing Laboratory Information

ATL Name:	SLI Compliance
Accreditation Number:	200733-0
Address:	4720 Independence St
	Wheat Ridge, CO 80033 USA
Website:	http:// www.SLIcompliance.com
Email:	info@sliglobalsolutions.com
Phone:	303.215.5853
ATL Contact:	Dustin George

For more information on scope of accreditation, please reference
http://ts.nist.gov/standards/scopes/2007330.htm

Part 3 of this test results summary is approved for public release by the following Accredited Testing Laboratory Representative:

Dustin George	Health IT Test Lab Manager
ATL Authorized Representative	**Function/Title**

06/25/2019

Signature and Date

3.2 Test Information

3.2.1 Additional Software Relied Upon for Certification

Additional Software	Applicable Criteria	Functionality provided by Additional Software
EMR Direct phiMail Server version 1.3	170.314(b)(1) & (2) 170.314(b)(7) 170.314(e)(1) & (2)	Direct Messaging

Additional Software	Applicable Criteria	Functionality provided by Additional Software
NewCrop Core version 13.08	170.314(a)(1) 170.314(a)(2) 170.314(a)(6) 170.314(a)(7) 170.314(a)(8) 170.314(a)(10) 170.314(b)(3)	ePrescribing & Medication Management
Medfusion Patient Portal Version 13.5	170.314(a)(15)	Patient Portal

☐ No additional software required

3.2.2 Test Tools

Test Tool	Version
☒ Cypress	2.3.0
☒ ePrescribing Validation Tool	1.6.0
☒ HL7 CDA Cancer Registry Reporting Validation Tool	1.0.3
☐ HL7 v2 Electronic Laboratory Reporting (ELR) Validation Tool	
☒ HL7 v2 Immunization Information System (IIS) Reporting Validation Tool	1.7.1
☒ HL7 v2 Laboratory Results Interface (LRI) Validation Tool	1.6.0
☒ HL7 v2 Syndromic Surveillance Reporting Validation Tool	1.6.0
☒ Transport Testing Tool	169
☒ Direct Certificate Discovery Tool	2.1

☐ No test tools required

3.2.3 Test Data

☐ Alteration (customization) to the test data was necessary and is described in Appendix [*insert appendix letter*]

☒ No alteration (customization) to the test data was necessary

3.2.4 Standards

3.2.4.1 Multiple Standards Permitted

The following identifies the standard(s) that has been successfully tested where more than one standard is permitted

Criterion #	Standard Successfully Tested	
(a)(8)(ii)(A)(2)	☒ §170.204(b)(1) HL7 Version 3 Implementation Guide: URL-Based Implementations of the Context-Aware Information Retrieval (Infobutton) Domain	☐ §170.204(b)(2) HL7 Version 3 Implementation Guide: Context-Aware Knowledge Retrieval (Infobutton) Service-Oriented Architecture Implementation Guide
(a)(13)	☒ §170.207(a)(3) IHTSDO SNOMED CT® International Release July 2012 and US Extension to SNOMED CT® March 2012 Release	☒ §170.207(j) HL7 Version 3 Standard: Clinical Genomics; Pedigree
(a)(15)(i)	☒ §170.204(b)(1) HL7 Version 3 Implementation Guide: URL-Based Implementations of the Context-Aware Information Retrieval (Infobutton) Domain	☐ §170.204(b)(2) HL7 Version 3 Implementation Guide: Context-Aware Knowledge Retrieval (Infobutton) Service-Oriented Architecture Implementation Guide
(a)(16)(ii)	☐ §170.210(g) Network Time Protocol Version 3 (RFC 1305)	☐ §170. 210(g) Network Time Protocol Version 4 (RFC 5905)
(b)(2)(i)(A)	☐ §170.207(i) The code set specified at 45 CFR 162.1002(c)(2) (ICD-10-CM) for the indicated conditions	☒ §170.207(a)(3) IHTSDO SNOMED CT® International Release July 2012 and US Extension to SNOMED CT® March 2012 Release
(b)(7)(i)	☐ §170.207(i) The code set specified at 45 CFR 162.1002(c)(2) (ICD-10-CM) for the indicated conditions	☒ §170.207(a)(3) IHTSDO SNOMED CT® International Release July 2012 and US Extension to SNOMED CT® March 2012 Release
(e)(1)(i)	☒ Annex A of the FIPS Publication 140-2 • [*SHA-512*]	
(e)(1)(ii)(A)(2)	☒ §170.210(g) Network Time Protocol Version 3 (RFC 1305)	☐ §170. 210(g) Network Time Protocol Version 4 (RFC 5905)
(e)(3)(ii)	☒ Annex A of the FIPS Publication 140-2 • [*SHA-512*]	

Criterion #	Standard Successfully Tested	
Common MU Data Set (15)	☒ §170.207(a)(3) IHTSDO SNOMED CT® International Release July 2012 and US Extension to SNOMED CT® March 2012 Release	☐ §170.207(b)(2) The code set specified at 45 CFR 162.1002(a)(5) (HCPCS and CPT-4)

☐ None of the criteria and corresponding standards listed above are applicable

3.2.4.2 Newer Versions of Standards

The following identifies the newer version of a minimum standard(s) that has been successfully tested

Newer Version	Applicable Criteria

☒ No newer version of a minimum standard was tested

3.2.5 Optional Functionality

Criterion #	Optional Functionality Successfully Tested
☒ (a)(4)(iii)	Plot and display growth charts
☐ (b)(1)(i)(B)	Receive summary care record using the standards specified at §170.202(a) and (b) (Direct and XDM Validation)
☐ (b)(1)(i)(C)	Receive summary care record using the standards specified at §170.202(b) and (c) (SOAP Protocols)
☐ (b)(2)(ii)(B)	Transmit health information to a Third Party using the standards specified at §170.202(a) and (b) (Direct and XDM Validation)
☐ (b)(2)(ii)(C)	Transmit health information to a Third Party using the standards specified at §170.202(b) and (c) (SOAP Protocols)
☒ (f)(3)	Ambulatory setting only – Create syndrome-based public health surveillance information for transmission using the standard specified at §170.205(d)(3) (urgent care visit scenario)
☐ Common MU Data Set (15)	Express Procedures according to the standard specified at §170.207(b)(3) (45 CFR162.1002(a)(4): Code on Dental Procedures and Nomenclature)
☐ Common MU Data Set (15)	Express Procedures according to the standard specified at §170.207(b)(4) (45 CFR162.1002(c)(3): ICD-10-PCS)

Criterion #	Optional Functionality Successfully Tested

☐ No optional functionality tested

3.2.6   2014 Edition Certification Criteria* Successfully Tested

Criteria #	Version		Criteria #	Version	
	TP**	TD***		TP	TD
☒ (a)(1)	1.2	1.5	☒ (c)(3)	1.6	
☒ (a)(2)	1.2		☒ (d)(1)	1.2	
☒ (a)(3)	1.2	1.4	☒ (d)(2)	1.4	
☒ (a)(4)	1.4	1.3	☒ (d)(3)	1.3	
☒ (a)(5)	1.4	1.3	☒ (d)(4)	1.2	
☒ (a)(6)	1.3	1.4	☒ (d)(5)	1.2	
☒ (a)(7)	1.3	1.3	☒ (d)(6)	1.2	
☒ (a)(8)	1.2		☒ (d)(7)	1.2	
☒ (a)(9)	1.3	1.3	☒ (d)(8)	1.2	
☒ (a)(10)	1.2	1.4	☐ (d)(9) *Optional*		
☒ (a)(11)	1.3		☒ (e)(1)	1.7	1.4
☒ (a)(12)	1.3		☒ (e)(2) *Amb. only*	1.2	1.6
☒ (a)(13)	1.2		☒ (e)(3) *Amb. only*	1.3	
☒ (a)(14)	1.2		☒ (f)(1)	1.2	1.2
☒ (a)(15)	1.5		☒ (f)(2)	1.3	
☐ (a)(16) *Inpt. only*			☒ (f)(3)	1.3	
☐ (a)(17) *Inpt. only*			☐ (f)(4) *Inpt. only*		
☒ (b)(1)	1.6	1.3	☒ (f)(5) *Optional & Amb. only*	1.2	1.2
☒ (b)(2)	1.4	1.5			
☒ (b)(3)	1.4		☒ (f)(6) *Optional & Amb. only*	1.3	
☒ (b)(4)	1.3	1.4			
☒ (b)(5)	1.4		☐ (g)(1)		
☐ (b)(6) *Inpt. only*			☒ (g)(2)	1.6	1.8

Criteria #	Version		Criteria #	Version	
	TP**	TD***		TP	TD
☒ (b)(7)	1.4	1.5	☒ (g)(3)	1.3	
☒ (c)(1)	1.6		☒ (g)(4)	1.2	
☒ (c)(2)	1.6				

*For a list of the 2014 Edition Certification Criteria, please reference
http://www.healthit.gov/certification (navigation: 2014 Edition Test Method)

**Indicates the version number for the Test Procedure (TP)

***Indicates the version number for the Test Data (TD)

3.2.7 2014 Clinical Quality Measures*

Type of Clinical Quality Measures Successfully Tested:

☒ Ambulatory

☐ Inpatient

☐ No CQMs tested

*For a list of the 2014 Clinical Quality Measures, please reference http://www.cms.gov
(navigation: 2014 Clinical Quality Measures)

Ambulatory CQMs							
CMS ID	Version	CMS ID	Version	CMS ID	Version	CMS ID	Version
☒ 2		☒ 90		☐ 136		☐ 155	
☐ 22		☐ 117		☐ 137		☒ 156	
☒ 50		☐ 122		☒ 138		☐ 157	
☐ 52		☐ 123		☐ 139		☐ 158	
☐ 56		☐ 124		☐ 140		☐ 159	
☐ 61		☐ 125		☐ 141		☐ 160	
☐ 62		☐ 126		☐ 142		☐ 161	
☐ 64		☐ 127		☐ 143		☐ 163	
☐ 65		☐ 128		☐ 144		☐ 164	
☐ 66		☐ 129		☐ 145		☒ 165	
☒ 68		☐ 130		☐ 146		☒ 166	
☒ 69		☐ 131		☐ 147		☐ 167	
☐ 74		☐ 132		☐ 148		☐ 169	
☐ 75		☐ 133		☐ 149		☐ 177	
☐ 77		☐ 134		☐ 153		☐ 179	

Ambulatory CQMs							
CMS ID	Version	CMS ID	Version	CMS ID	Version	CMS ID	Version
☐ 82		☐ 135		☐ 154		☐ 182	

Inpatient CQMs							
CMS ID	Version	CMS ID	Version	CMS ID	Version	CMS ID	Version
☐ 9		☐ 71		☐ 107		☐ 172	
☐ 26		☐ 72		☐ 108		☐ 178	
☐ 30		☐ 73		☐ 109		☐ 185	
☐ 31		☐ 91		☐ 110		☐ 188	
☐ 32		☐ 100		☐ 111		☐ 190	
☐ 53		☐ 102		☐ 113			
☐ 55		☐ 104		☐ 114			
☐ 60		☐ 105		☐ 171			

3.2.8 Automated Numerator Recording and Measure Calculation

3.2.8.1 Automated Numerator Recording

Automated Numerator Recording Successfully Tested			
☐ (a)(1)	☐ (a)(9)	☐ (a)(16)	☐ (b)(6)
☐ (a)(3)	☐ (a)(11)	☐ (a)(17)	☐ (e)(1)
☐ (a)(4)	☐ (a)(12)	☐ (b)(2)	☐ (e)(2)
☐ (a)(5)	☐ (a)(13)	☐ (b)(3)	☐ (e)(3)
☐ (a)(6)	☐ (a)(14)	☐ (b)(4)	
☐ (a)(7)	☐ (a)(15)	☐ (b)(5)	

☒ Automated Numerator Recording was not tested

3.2.8.2 Automated Measure Calculation

Automated Numerator Recording Successfully Tested			
☒ (a)(1)	☒ (a)(9)	☐ (a)(16)	☐ (b)(6)
☒ (a)(3)	☒ (a)(11)	☐ (a)(17)	☒ (e)(1)
☒ (a)(4)	☒ (a)(12)	☒ (b)(2)	☒ (e)(2)
☒ (a)(5)	☒ (a)(13)	☒ (b)(3)	☒ (e)(3)
☒ (a)(6)	☒ (a)(14)	☒ (b)(4)	
☒ (a)(7)	☒ (a)(15)	☒ (b)(5)	

☐ Automated Numerator Recording was not tested

3.2.9 Attestation

Attestation Forms (as applicable)	Appendix
☒ Safety-Enhanced Design*	A
☒ Quality Management System**	B
☒ Privacy and Security	C

*Required if any of the following were tested: (a)(1), (a)(2), (a)(6), (a)(7), (a)(8), (a)(16), (b)(3), (b)(4)

**Required for every EHR product

3.3 Appendices

A – Safety Enhanced Design

- Ulrich Medical Concepts has chosen a User Centered Design process based closely on the ISO 9241-210 standard and applied that process to the following certification criteria:
    o §170.314(a)(1) Computerized provider order entry
    o §170.314(a)(2) Drug - drug, drug-allergy interaction checks
    o §170.314(a)(6) Medication list
    o §170.314(a)(7) Medication allergy list
    o §170.314(a)(8) Clinical decision support
    o §170.314(b)(3) Electronic prescribing
    o §170.314(b)(4) Clinical information reconciliation
- The User Centered Design process employed by UMC for the stated certification criteria consist of the following:
    o It is based on the six principles outlined by the standard.
    o User input is evaluated to gain an understanding of the user's perspective for each criterion.
    o Users are involved at various points throughout the design and development process.
    o Changes are made to the design and implementation of the functionality as dictated by user feedback.
    o The design, development, and user testing steps are repeated as needed to ensure the final functionality meets end user needs.
    o The impact of each added capability related to the overall application and user workflow experience are reviewed for each piece of added functionality.
    o Members of multidisciplinary teams are included in the design session.

B – Quality Management System

- A modified QMS is used in the development, testing, implementation, and maintenance for all capabilities for which TCC is being certified.

  The QMS starts with requirement definitions including customer input and subject matter experts. Development and testing for each capability are completed in phases by teams committed to a quality end product. Development and testing iterations are repeated until the capability is completed. Subject matter experts are consulted throughout the development and testing phases to ensure the capability continues to meet end user requirements.

  The implementation and maintenance phases remain focused on delivering a quality application to the end users. A significant amount of effort is focused on training users how to use the application quickly and efficiently to ensure a high success rate for implementations. End user and subject matter expert feedback is reviewed as part of the application maintenance to ensure capabilities are meeting end user needs as intended and adjustments are made as needed.

C – Privacy and Security

170.314(d)(2)

- Team Chart Concept does not allow users to disable audit logs, the audit log status, or the encryption status.   These items are always enabled, and optional settings are not available that would allow any modification by the end user.
- Team Chart Concept records every action completed by an end user in the software. Each action by an end user is recorded with a date, time, user name, action, status, details, software version, session ID, and machine name. The audit log will record all of the information listed above each time electronic health information has been created/added, modified, deleted, or accessed. The encryption status cannot be changed, overwritten, or deleted. Optional settings are not available that would allow any modification of the encryption status.
- Audit log entries in the Team Chart Concept EHR cannot be altered by the EHR technology.

170.314(d)(7)

- The Team Chart Concept EHR does not enable electronic health information to remain on the end-user device once the application is closed. Electronic health information is only stored in memory on the end-user device during operation. Once the application is closed, no electronic health information will be left on the end-user device. However, it is recommended that each end user device utilize a third party encryption utility in the event that the user accesses electronic health information from an outside source.
- When Team Chart Concept is stopped on the end user device, no electronic health information remains on the user device.

170.314(d)(8)

- The secure hash algorithm used to provide the hash value for Team Chart Concept is SHA-512.

Test Results Summary Document History

Version	Description of Change	Date
2.0	3.2.4.1Multiple Standards Permitted - verified a16 was not tested, updated the ACB & ATL info, removed 3.2.8.1 Automated Numerator Recording (per the change in the CHPL upload)	06/17/2019 Georgia Fortun

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