



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: [Indigo EHR](#)
Product Version: [4.5](#)
Domain: [Inpatient](#)
Test Type: [Modular EHR](#)

1.2 Developer/Vendor Information

Developer/Vendor Name: [Health One Alliance](#)
Address: [1503 N. Tibbs Road, Dalton GA 30720](#)
Website: www.indigoehr.com
Email: dzhang@indigoehr.com
Phone: [800-842-5758, ext. 176](tel:800-842-5758)
Developer/Vendor Contact: [Dave Zhang](#)



Part 2: ONC-Authorized Certification Body Information


2.1 ONC-Authorized Certification Body Information

ONC-ACB Name: Drummond Group
Address: 13359 North Hwy 183, Ste B-406-238, Austin, TX 78750
Website: www.drummondgroup.com
Email: ehr@drummondgroup.com
Phone: 817-294-7339
ONC-ACB Contact: Bill Smith

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

Bill Smith
ONC-ACB Authorized Representative

Certification Committee Chair
Function/Title


12/5/2014
Signature and Date

2.2 Gap Certification

The following identifies criterion or criteria certified via gap certification

§170.314			
<input type="checkbox"/> (a)(1)	<input type="checkbox"/> (a)(17)	<input type="checkbox"/> (d)(5)	<input type="checkbox"/> (d)(9)
<input type="checkbox"/> (a)(6)	<input type="checkbox"/> (b)(5)*	<input type="checkbox"/> (d)(6)	<input type="checkbox"/> (f)(1)
<input type="checkbox"/> (a)(7)	<input type="checkbox"/> (d)(1)	<input type="checkbox"/> (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			
<input type="checkbox"/> (a)(1)	<input type="checkbox"/> (a)(14)	<input type="checkbox"/> (c)(3)	<input type="checkbox"/> (f)(1)
<input type="checkbox"/> (a)(2)	<input type="checkbox"/> (a)(15)	<input type="checkbox"/> (d)(1)	<input type="checkbox"/> (f)(2)
<input type="checkbox"/> (a)(3)	<input type="checkbox"/> (a)(16) <i>Inpt. only</i>	<input type="checkbox"/> (d)(2)	<input type="checkbox"/> (f)(3)
<input type="checkbox"/> (a)(4)	<input type="checkbox"/> (a)(17) <i>Inpt. only</i>	<input type="checkbox"/> (d)(3)	<input type="checkbox"/> (f)(4) <i>Inpt. only</i>
<input type="checkbox"/> (a)(5)	<input type="checkbox"/> (b)(1)	<input type="checkbox"/> (d)(4)	<input type="checkbox"/> (f)(5) <i>Optional & Amb. only</i>
<input type="checkbox"/> (a)(6)	<input type="checkbox"/> (b)(2)	<input type="checkbox"/> (d)(5)	
<input type="checkbox"/> (a)(7)	<input type="checkbox"/> (b)(3)	<input type="checkbox"/> (d)(6)	<input type="checkbox"/> (f)(6) <i>Optional & Amb. only</i>
<input type="checkbox"/> (a)(8)	<input type="checkbox"/> (b)(4)	<input type="checkbox"/> (d)(7)	
<input type="checkbox"/> (a)(9)	<input type="checkbox"/> (b)(5)	<input type="checkbox"/> (d)(8)	<input type="checkbox"/> (g)(1)
<input type="checkbox"/> (a)(10)	<input type="checkbox"/> (b)(6) <i>Inpt. only</i>	<input type="checkbox"/> (d)(9) <i>Optional</i>	<input type="checkbox"/> (g)(2)
<input type="checkbox"/> (a)(11)	<input type="checkbox"/> (b)(7)	<input checked="" type="checkbox"/> (e)(1)	<input type="checkbox"/> (g)(3)
<input type="checkbox"/> (a)(12)	<input type="checkbox"/> (c)(1)	<input type="checkbox"/> (e)(2) <i>Amb. only</i>	<input checked="" type="checkbox"/> (g)(4)
<input type="checkbox"/> (a)(13)	<input type="checkbox"/> (c)(2)	<input type="checkbox"/> (e)(3) <i>Amb. only</i>	

No inherited certification



Part 3: NVLAP-Accredited Testing Laboratory Information

Report Number: [JPD-101614-2824](#)

Test Date(s): [10/16/2014](#)

3.1 NVLAP-Accredited Testing Laboratory Information

ATL Name: Drummond Group EHR Test Lab
Accreditation Number: [NVLAP Lab Code 200979-0](#)
Address: 13359 North Hwy 183, Ste B-406-238, Austin, TX 78750
Website: www.drummondgroup.com
Email: ehr@drummondgroup.com
Phone: 512-335-5606
ATL Contact: Beth Morrow

For more information on scope of accreditation, please reference [NVLAP Lab Code 200979-0](#).

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

[Jim Dow](#)

ATL Authorized Representative

12/5/2014

Signature and Date

Test Proctor

Function/Title

[Portland, OR](#)

Location Where Test Conducted

3.2 Test Information

3.2.1 Additional Software Relied Upon for Certification

Additional Software	Applicable Criteria	Functionality provided by Additional Software

No additional software required



3.2.2 Test Tools

Test Tool	Version
<input type="checkbox"/> Cypress	2.4.1
<input type="checkbox"/> ePrescribing Validation Tool	1.0.4
<input type="checkbox"/> HL7 CDA Cancer Registry Reporting Validation Tool	1.0.3
<input type="checkbox"/> HL7 v2 Electronic Laboratory Reporting (ELR) Validation Tool	1.8
<input type="checkbox"/> HL7 v2 Immunization Information System (IIS) Reporting Validation Tool	1.8
<input type="checkbox"/> HL7 v2 Laboratory Results Interface (LRI) Validation Tool	1.7
<input type="checkbox"/> HL7 v2 Syndromic Surveillance Reporting Validation Tool	1.7
<input checked="" type="checkbox"/> Transport Testing Tool	179
<input checked="" type="checkbox"/> Direct Certificate Discovery Tool	3.0.2

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)	<input type="checkbox"/> §170.204(b)(1) HL7 Version 3 Implementation Guide: URL-Based Implementations of the Context-Aware Information Retrieval (Infobutton) Domain	<input type="checkbox"/> §170.204(b)(2) HL7 Version 3 Implementation Guide: Context-Aware Knowledge Retrieval (Infobutton) Service-Oriented Architecture Implementation Guide
(a)(13)	<input type="checkbox"/> §170.207(a)(3) IHTSDO SNOMED CT® International Release July 2012 and US Extension to SNOMED CT® March 2012 Release	<input type="checkbox"/> §170.207(j) HL7 Version 3 Standard: Clinical Genomics; Pedigree

Criterion #	Standard Successfully Tested	
(a)(15)(i)	<input type="checkbox"/> §170.204(b)(1) HL7 Version 3 Implementation Guide: URL-Based Implementations of the Context-Aware Information Retrieval (Infobutton) Domain	<input type="checkbox"/> §170.204(b)(2) HL7 Version 3 Implementation Guide: Context-Aware Knowledge Retrieval (Infobutton) Service-Oriented Architecture Implementation Guide
(a)(16)(ii)	<input type="checkbox"/> §170.210(g) Network Time Protocol Version 3 (RFC 1305)	<input type="checkbox"/> §170.210(g) Network Time Protocol Version 4 (RFC 5905)
(b)(2)(i)(A)	<input type="checkbox"/> §170.207(i) The code set specified at 45 CFR 162.1002(c)(2) (ICD-10-CM) for the indicated conditions	<input checked="" type="checkbox"/> §170.207(a)(3) IHTSDO SNOMED CT® International Release July 2012 and US Extension to SNOMED CT® March 2012 Release
(b)(7)(i)	<input type="checkbox"/> §170.207(i) The code set specified at 45 CFR 162.1002(c)(2) (ICD-10-CM) for the indicated conditions	<input type="checkbox"/> §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 <i>[list encryption and hashing algorithms]</i> SHA1 AES-128	
(e)(1)(ii)(A)(2)	<input type="checkbox"/> §170.210(g) Network Time Protocol Version 3 (RFC 1305)	<input checked="" type="checkbox"/> §170.210(g) Network Time Protocol Version 4 (RFC 5905)
(e)(3)(ii)	Annex A of the FIPS Publication 140-2 <i>[list encryption and hashing algorithms]</i> 	
Common MU Data Set (15)	<input checked="" type="checkbox"/> §170.207(a)(3) IHTSDO SNOMED CT® International Release July 2012 and US Extension to SNOMED CT® March 2012 Release	<input type="checkbox"/> §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
<input type="checkbox"/> (a)(4)(iii)	Plot and display growth charts
<input type="checkbox"/> (b)(1)(i)(B)	Receive summary care record using the standards specified at §170.202(a) and (b) (Direct and XDM Validation)
<input type="checkbox"/> (b)(1)(i)(C)	Receive summary care record using the standards specified at §170.202(b) and (c) (SOAP Protocols)
<input type="checkbox"/> (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)
<input type="checkbox"/> (b)(2)(ii)(C)	Transmit health information to a Third Party using the standards specified at §170.202(b) and (c) (SOAP Protocols)
<input type="checkbox"/> (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)
<input type="checkbox"/> 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)
<input type="checkbox"/> 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)

No optional functionality tested



3.2.6 2014 Edition Certification Criteria* Successfully Tested

Criteria #	Version		Criteria #	Version	
	TP**	TD***		TP	TD
<input type="checkbox"/> (a)(1)	1.2	1.5	<input type="checkbox"/> (c)(3)	1.6	1.6
<input type="checkbox"/> (a)(2)	1.2		<input type="checkbox"/> (d)(1)	1.2	
<input type="checkbox"/> (a)(3)	1.2	1.4	<input type="checkbox"/> (d)(2)	1.5	
<input type="checkbox"/> (a)(4)	1.4	1.3	<input type="checkbox"/> (d)(3)	1.3	
<input type="checkbox"/> (a)(5)	1.4	1.3	<input type="checkbox"/> (d)(4)	1.3	
<input type="checkbox"/> (a)(6)	1.3	1.4	<input type="checkbox"/> (d)(5)	1.2	
<input type="checkbox"/> (a)(7)	1.3	1.3	<input type="checkbox"/> (d)(6)	1.2	
<input type="checkbox"/> (a)(8)	1.2		<input type="checkbox"/> (d)(7)	1.2	
<input type="checkbox"/> (a)(9)	1.3	1.3	<input type="checkbox"/> (d)(8)	1.2	
<input type="checkbox"/> (a)(10)	1.2	1.4	<input type="checkbox"/> (d)(9) <i>Optional</i>	1.2	
<input type="checkbox"/> (a)(11)	1.3		<input type="checkbox"/> (e)(1)	1.8	1.5
<input type="checkbox"/> (a)(12)	1.3		<input type="checkbox"/> (e)(2) <i>Amb. only</i>	1.2	1.6
<input type="checkbox"/> (a)(13)	1.2		<input type="checkbox"/> (e)(3) <i>Amb. only</i>	1.3	
<input type="checkbox"/> (a)(14)	1.2		<input type="checkbox"/> (f)(1)	1.2	1.2
<input type="checkbox"/> (a)(15)	1.5		<input type="checkbox"/> (f)(2)	1.3	1.7.1
<input type="checkbox"/> (a)(16) <i>Inpt. only</i>	1.3	1.2	<input type="checkbox"/> (f)(3)	1.3	1.7
<input type="checkbox"/> (a)(17) <i>Inpt. only</i>	1.2		<input type="checkbox"/> (f)(4) <i>Inpt. only</i>	1.3	1.7
<input type="checkbox"/> (b)(1)	1.7	1.4	<input type="checkbox"/> (f)(5) <i>Optional & Amb. only</i>	1.2	1.2
<input checked="" type="checkbox"/> (b)(2)	1.4	1.6	<input type="checkbox"/> (f)(6) <i>Optional & Amb. only</i>	1.3	1.0.3
<input type="checkbox"/> (b)(3)	1.4	1.2	<input type="checkbox"/> (g)(1)	1.7	1.9
<input type="checkbox"/> (b)(4)	1.3	1.4	<input checked="" type="checkbox"/> (g)(2)	1.7	1.9
<input type="checkbox"/> (b)(5)	1.4	1.7	<input type="checkbox"/> (g)(3)	1.3	
<input type="checkbox"/> (b)(6) <i>Inpt. only</i>	1.3	1.7	<input type="checkbox"/> (g)(4)	1.2	
<input type="checkbox"/> (b)(7)	1.4	1.6			
<input type="checkbox"/> (c)(1)	1.6	1.6			
<input type="checkbox"/> (c)(2)	1.6	1.6			

No criteria tested

*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
<input type="checkbox"/> 2		<input type="checkbox"/> 90		<input type="checkbox"/> 136		<input type="checkbox"/> 155	
<input type="checkbox"/> 22		<input type="checkbox"/> 117		<input type="checkbox"/> 137		<input type="checkbox"/> 156	
<input type="checkbox"/> 50		<input type="checkbox"/> 122		<input type="checkbox"/> 138		<input type="checkbox"/> 157	
<input type="checkbox"/> 52		<input type="checkbox"/> 123		<input type="checkbox"/> 139		<input type="checkbox"/> 158	
<input type="checkbox"/> 56		<input type="checkbox"/> 124		<input type="checkbox"/> 140		<input type="checkbox"/> 159	
<input type="checkbox"/> 61		<input type="checkbox"/> 125		<input type="checkbox"/> 141		<input type="checkbox"/> 160	
<input type="checkbox"/> 62		<input type="checkbox"/> 126		<input type="checkbox"/> 142		<input type="checkbox"/> 161	
<input type="checkbox"/> 64		<input type="checkbox"/> 127		<input type="checkbox"/> 143		<input type="checkbox"/> 163	
<input type="checkbox"/> 65		<input type="checkbox"/> 128		<input type="checkbox"/> 144		<input type="checkbox"/> 164	
<input type="checkbox"/> 66		<input type="checkbox"/> 129		<input type="checkbox"/> 145		<input type="checkbox"/> 165	
<input type="checkbox"/> 68		<input type="checkbox"/> 130		<input type="checkbox"/> 146		<input type="checkbox"/> 166	
<input type="checkbox"/> 69		<input type="checkbox"/> 131		<input type="checkbox"/> 147		<input type="checkbox"/> 167	
<input type="checkbox"/> 74		<input type="checkbox"/> 132		<input type="checkbox"/> 148		<input type="checkbox"/> 169	
<input type="checkbox"/> 75		<input type="checkbox"/> 133		<input type="checkbox"/> 149		<input type="checkbox"/> 177	
<input type="checkbox"/> 77		<input type="checkbox"/> 134		<input type="checkbox"/> 153		<input type="checkbox"/> 179	
<input type="checkbox"/> 82		<input type="checkbox"/> 135		<input type="checkbox"/> 154		<input type="checkbox"/> 182	

Inpatient CQMs							
CMS ID	Version	CMS ID	Version	CMS ID	Version	CMS ID	Version
<input type="checkbox"/> 9		<input type="checkbox"/> 71		<input type="checkbox"/> 107		<input type="checkbox"/> 172	
<input type="checkbox"/> 26		<input type="checkbox"/> 72		<input type="checkbox"/> 108		<input type="checkbox"/> 178	
<input type="checkbox"/> 30		<input type="checkbox"/> 73		<input type="checkbox"/> 109		<input type="checkbox"/> 185	
<input type="checkbox"/> 31		<input type="checkbox"/> 91		<input type="checkbox"/> 110		<input type="checkbox"/> 188	
<input type="checkbox"/> 32		<input type="checkbox"/> 100		<input type="checkbox"/> 111		<input type="checkbox"/> 190	
<input type="checkbox"/> 53		<input type="checkbox"/> 102		<input type="checkbox"/> 113			
<input type="checkbox"/> 55		<input type="checkbox"/> 104		<input type="checkbox"/> 114			
<input type="checkbox"/> 60		<input type="checkbox"/> 105		<input type="checkbox"/> 171			



3.2.8 Automated Numerator Recording and Measure Calculation

3.2.8.1 Automated Numerator Recording

Automated Numerator Recording Successfully Tested			
<input type="checkbox"/> (a)(1)	<input type="checkbox"/> (a)(9)	<input type="checkbox"/> (a)(16)	<input type="checkbox"/> (b)(6)
<input type="checkbox"/> (a)(3)	<input type="checkbox"/> (a)(11)	<input type="checkbox"/> (a)(17)	<input type="checkbox"/> (e)(1)
<input type="checkbox"/> (a)(4)	<input type="checkbox"/> (a)(12)	<input type="checkbox"/> (b)(2)	<input type="checkbox"/> (e)(2)
<input type="checkbox"/> (a)(5)	<input type="checkbox"/> (a)(13)	<input type="checkbox"/> (b)(3)	<input type="checkbox"/> (e)(3)
<input type="checkbox"/> (a)(6)	<input type="checkbox"/> (a)(14)	<input type="checkbox"/> (b)(4)	
<input type="checkbox"/> (a)(7)	<input type="checkbox"/> (a)(15)	<input type="checkbox"/> (b)(5)	

Automated Numerator Recording was not tested

3.2.8.2 Automated Measure Calculation

Automated Measure Calculation Successfully Tested			
<input type="checkbox"/> (a)(1)	<input type="checkbox"/> (a)(9)	<input type="checkbox"/> (a)(16)	<input type="checkbox"/> (b)(6)
<input type="checkbox"/> (a)(3)	<input type="checkbox"/> (a)(11)	<input type="checkbox"/> (a)(17)	<input checked="" type="checkbox"/> (e)(1)
<input type="checkbox"/> (a)(4)	<input type="checkbox"/> (a)(12)	<input checked="" type="checkbox"/> (b)(2)	<input type="checkbox"/> (e)(2)
<input type="checkbox"/> (a)(5)	<input type="checkbox"/> (a)(13)	<input type="checkbox"/> (b)(3)	<input type="checkbox"/> (e)(3)
<input type="checkbox"/> (a)(6)	<input type="checkbox"/> (a)(14)	<input type="checkbox"/> (b)(4)	
<input type="checkbox"/> (a)(7)	<input type="checkbox"/> (a)(15)	<input type="checkbox"/> (b)(5)	

Automated Measure Calculation was not tested

3.2.9 Attestation

Attestation Forms (as applicable)	Appendix
<input type="checkbox"/> Safety-Enhanced Design*	A
<input checked="" type="checkbox"/> Quality Management System**	B
<input type="checkbox"/> 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

Attached below.



Test Results Summary Change History

Test Report ID	Description of Change	Date

2014 Edition Test Report Summary

APPENDIX B – QUALITY MANAGEMENT SYSTEM




Quality Management System

As it pertains to the development, implementation, and support for the Indigo EHR product, Health One Alliance LLC utilizes a proprietary system for its quality management program.

All new requirements and issues are documented in Health One's proprietary Indigo Ticket System. The tickets are reviewed weekly by Indigo's internal Product Development Committee. Based upon recommendations from the Product Development Committee, tickets are prioritized and assigned to a developer via the Ticket System. Once developed, the Developer will indicate (in the Ticket System) it is ready for testing. A Project Manager will test the development in accordance with the ticket information. If it fails, the Project Manager will make notes, as appropriate, in the Ticket System and assign back to the Developer. Once the Project Manager approves the development, it will be scheduled for release in an upcoming upgrade. If a ticket is determined to be of urgent nature, and the customer is experiencing severe disturbance, a "hot fix" may be appropriate and implemented off-cycle of the next upgrade.

All upgrade features are documented in a Release Note that is distributed to all customers approximately two weeks before a scheduled upgrade (exceptions may include "hot fixes" which require immediate release). Project Managers may also schedule web meetings with customers to review bug fixes, upgrade features and to document new requests.

Annually Health One reviews the current quality management process for Indigo EHR and makes any adjustments to improve efficiency and quality.

Signature: 

Printed Name: J. Amanda Reed

Title: Chief Operating Officer

Date: 7-15-14