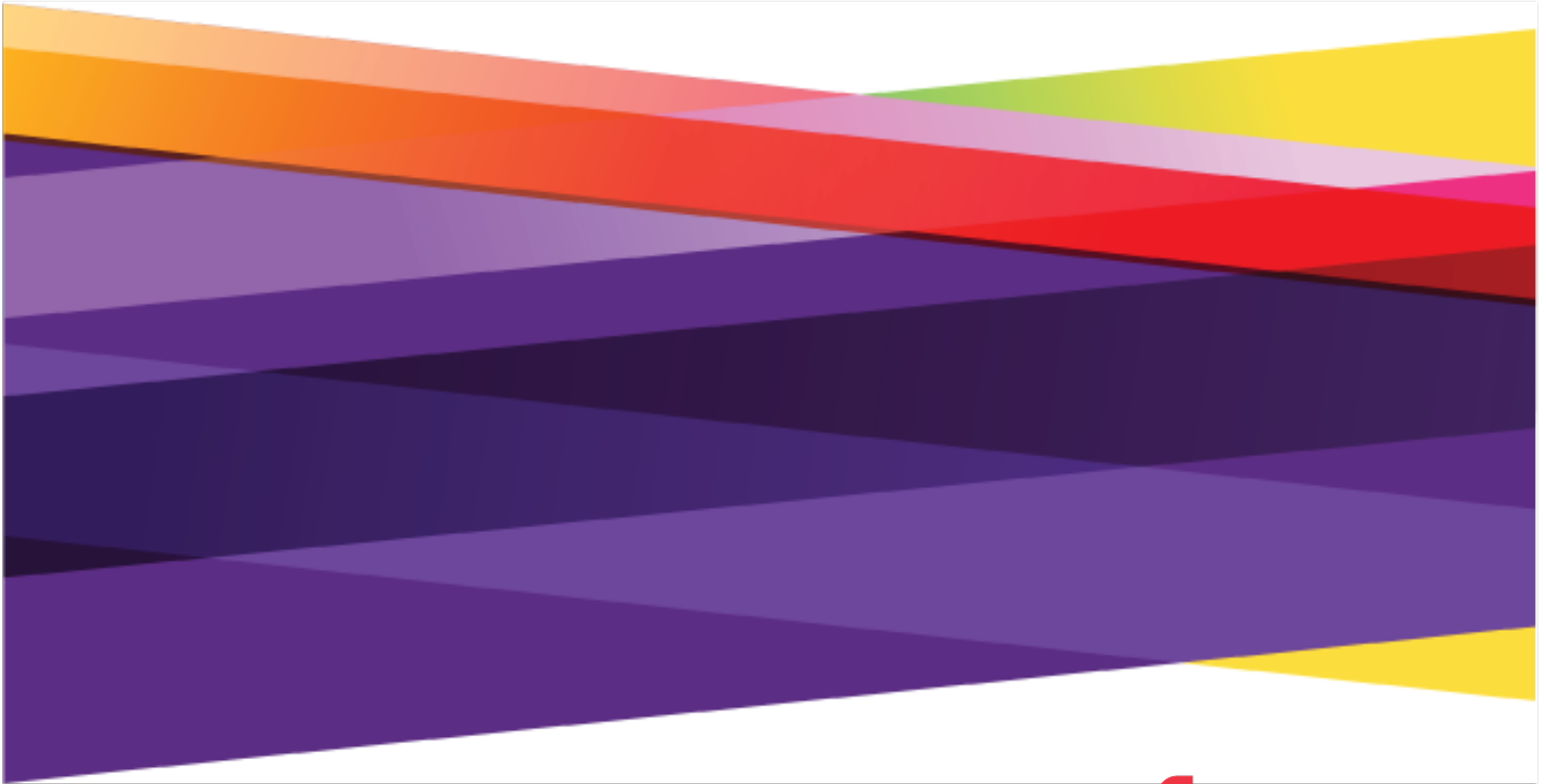


IHIN Utilization Metrics

**New Platform Metrics (excludes ICA data, unless otherwise noted herein)*

December 2018



Summary

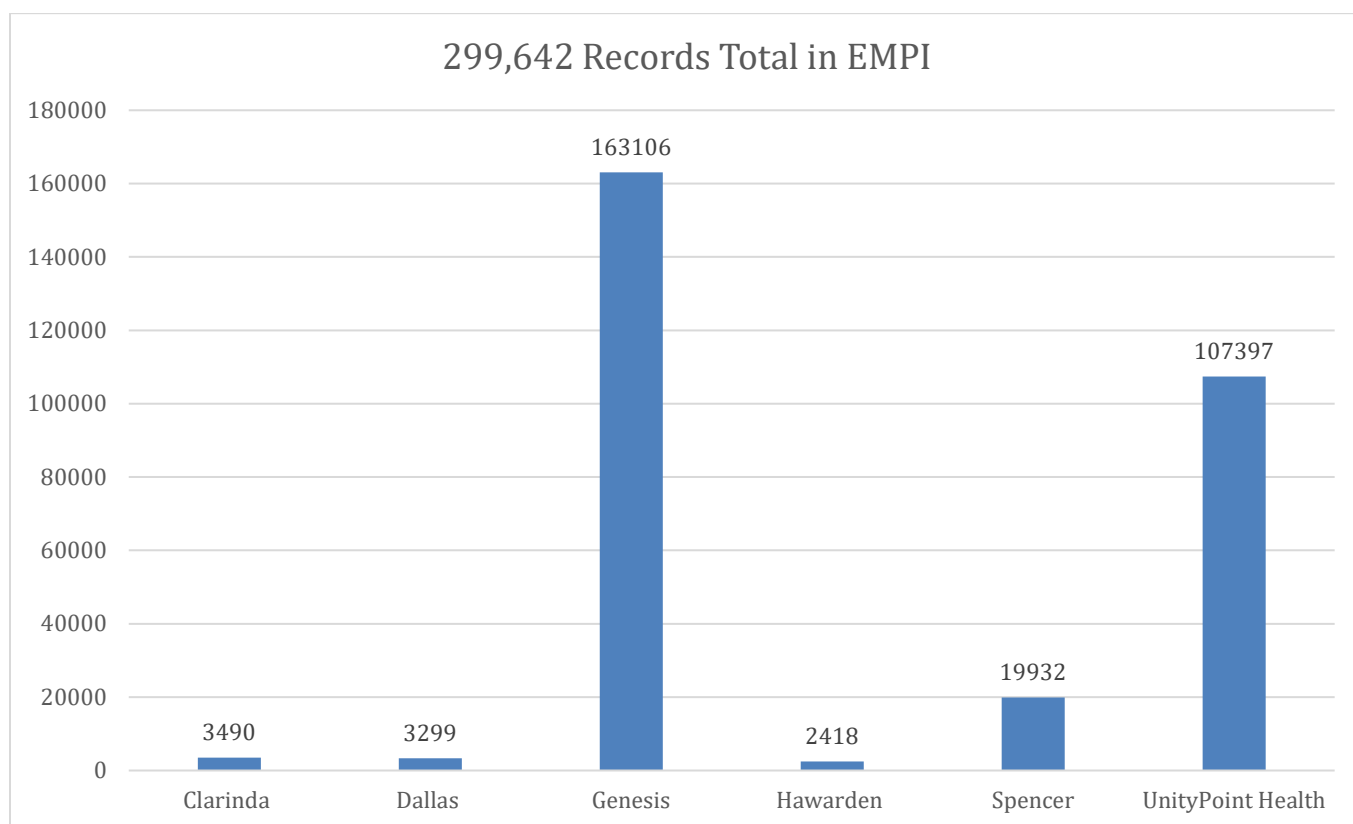
Enterprise Master Patient Index (EMPI)

(An enterprise master patient index (**EMPI**) is a database used to maintain consistent and accurate information about each patient registered by a healthcare organization within the IHIN. Simply a list of all the patients that IHIN knows about)

The total number of Iowa Patients in the enterprise master patient index (EMPI) at IHIN as of December 3, 2018 is 299,642

** At present, there are no query statistics to report as no participants are querying the system*

EMPI COUNT BY SITE



Virtual Private Network (VPN)

(a network that is constructed using public wires — usually the Internet — to connect IHIN participants to the IHIN)

18 live VPN connections; 15 Participants and 3 Vendor/Other

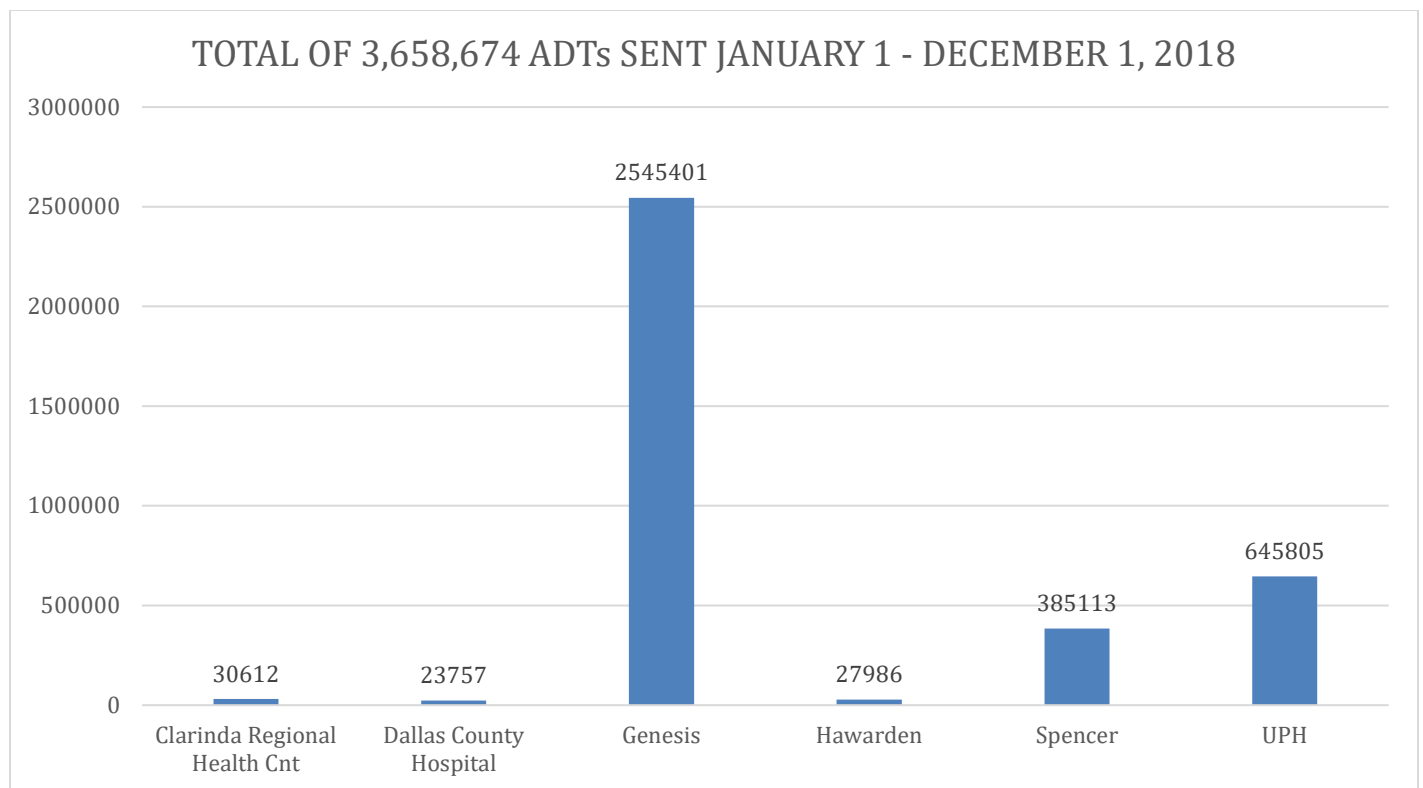
Facility	VPN Live Date
Avera	9/20/2018
Burgess Health Center	8/10/2018
Cerner Works (Wheaton Franciscan)	2/9/2018
Clarinda Regional Health	8/7/2018
Community Health Care Inc. Davenport	7/19/2018
Dallas County Hospital	6/19/2018
Fort Madison	10/24/2018
Genesis Health	2/1/2018
Hawarden Regional Healthcare	5/2/2018
Henry County Health Center	2/13/2018
Image Trend (EMS/Trauma Vendor)	10/3/2018
LightEdge (eLR Vendor)	5/1/2018
OZ Systems (Newborn Screening Vendor)	7/16/2018
Shenandoah Medical Center	6/26/2018
Spencer Hospital	1/15/2018
Unity Point	3/8/2018
University of Iowa	11/9/2017
Veterans Memorial Hospital, Waukon	11/9/2018

Admit/Discharge/Transfer (ADT)

(Patient Administration (ADT) messages are used to exchange the patients state within a healthcare facility. HL7 ADT messages keep patient demographic along with visit information synchronized across healthcare systems.)

6 Organizations, 75 Sites

Participant Name	Site Count
Clarinda Regional Health Center	2
Dallas County Hospital (CHI)	1
Genesis Health System	52
Spencer Hospital	1
Unity Point Health / Iowa Health System 10 Main Hospitals	16
Hawarden Regional Healthcare	3
TOTAL	75



Observation Result (ORU)

(In the HL7 Standard, an Observation Result (ORU) is usually in response to an order and provides clinical observations. Examples include –

- Clinical laboratory results
- Imaging studies (i.e., text)
- EKG pulmonary function studies
- Interpretation)

Spencer Hospital is the only site currently sending ORUs. Spencer has sent 32,355 messages to date.

Statewide Alert Notification System (SWAN)

(The SWAN is a statewide system using hospital health information technology to send alert notices to providers when their patients use an emergency department or are admitted to a hospital. The SWAN is intended to give providers a real-time tool to monitor their patients' major health events. The role of SWAN in SIM is to help providers better coordinate their patients' care and especially their care as they transition from the ED or hospital settling back into the community.)

56 Sites are providing ADTs for SWAN alerting via the *ICA platform**

- Adair County Health System
- Allen Memorial Hospital
- Audubon County Memorial Hospital
- Baum-Harmon Mercy Hospital
- Blank Children's Hospital
- Broadlawns Medical Center
- Buchanan County Health Center
- Buena Vista Regional Medical Center
- Community Memorial Hospital (UP)
- Finley Hospital
- Franklin General Hospital
- Genesis Medical Center – DeWitt
- Genesis Medical Center - East Campus
- Genesis Medical Center - Illini Center, Il
- Genesis Mercer County Hospital - Il
- Great River Medical Center
- Greater Regional Medical Center (UP)
- Grundy County Memorial Hospital
- Guttenberg Municipal Hospital
- Hamilton County Public Hospital/Van Diest Medical Center
- Hancock County Health System

- Hansen Family Hospital
- Hawarden Regional Healthcare
- Humboldt County Memorial Hospital
- Iowa Lutheran Hospital
- Iowa Methodist Medical Center
- Jackson County Regional Health Center
- Jones Regional Medical Center
- Knoxville Hospital and Clinics
- Kossuth Regional Health Center
- Manning Regional HC Center (CHI)
- Mercy Medical Center
- Mercy Medical Center – Centerville
- Mercy Medical Center – Clinton
- Mercy Medical Center - Des Moines
- Mercy Medical Center – Dubuque
- Mercy Medical Center – Dyersville
- Mercy Medical Center - New Hampton
- Mercy Medical Center - North Iowa
- Mercy Medical Center - Sioux City
- Mercy Medical Center - West Lakes
- Methodist West Hospital
- Mitchell County Regional Health Center
- Monroe County Hospital
- Palo Alto County Health System
- Pocahontas Community Hospital
- Regional Health Services of Howard County
- Ringgold County Hospital
- St Luke's Health System (Sioux City)
- St Luke's Hospital
- Stewart Memorial Lake City (UP)
- Story Medical Center (UPH)
- Trinity Bettendorf - UnityPoint Health
- Trinity Regional Medical Center
- University Of Iowa Hospitals and Clinics
- Wayne County Hospital

Direct Secure Messaging (DSM) (Direct Secure Messaging is a national encryption standard for securely exchanging clinical healthcare data via the Internet. It specifies the secure, scalable and standards-based method for the exchange of Protected Health Information (PHI). It was developed in 2010 under a part of a federal project for standards-based healthcare communications.)

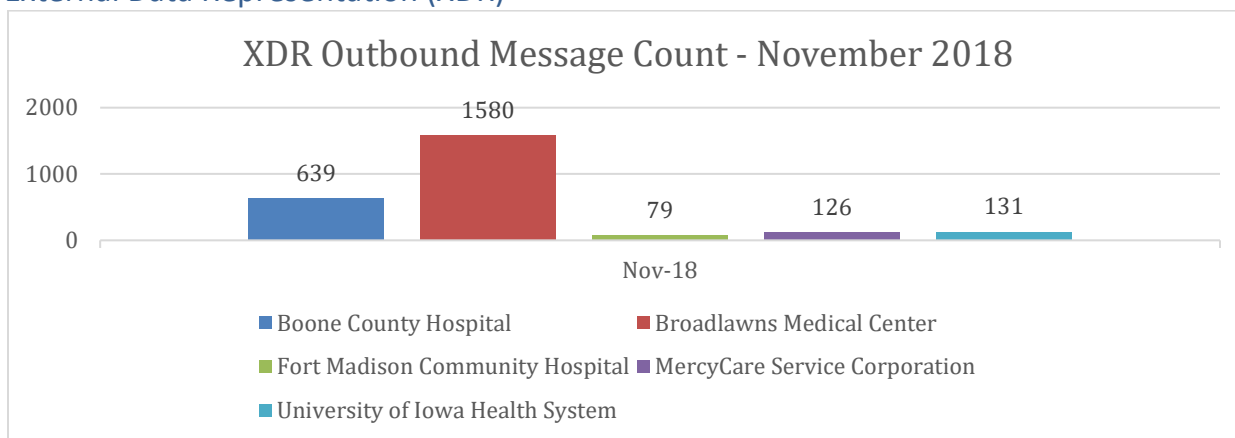
External Data Representation (XDR)

(XDR describes those IHIN members that are utilizing services provided by the IHIN to connect their EMR to send their Direct Secure Messages to other organizations)

6 Organizations, 129 Sites

Participant Name	Site Count
Broadlawns Medical Center	1
University of Iowa Health System	83
Fort Madison Community Hospital	2
Boone County Hospital	1
MercyCare Service Corporation	30
Pella Regional Health Center	12
TOTAL	129

External Data Representation (XDR)



**Pella just commenced December 2018*

Communicate Portal

(The Communicate Portal provides Direct Secure Messaging for IHIN participants who don't have access to this functionality through their EMR or those who do not have an EMR.)

21 Organizations, 65 Sites

Participant Name	Site Count
Burgess Health Center	2
Community Health Centers of Southern IA, Inc	6
Community Health Partners of Sioux County	1
Dallas Co. Public Health	1
Davenport Surgical Group	1
Davis County Hospital (CHI)	1

Family Planning Council of Iowa	1
Family Planning of Southeast Iowa	1
Guttenberg Municipal Hospital (UP)	4
Hillcrest Family Services (Mental Health Center)	8
Linn County Public Health	1
Northcrest Living Center	1
Peoples Community Health Clinic	2
Planned Parenthood of Heartland	15
Primary Health Care Inc	9
River Hills Community Health Center	5
Trinity Muscatine Public Health	1
UoI - Sponsored Programs	1
Webster County Health Department	1
Winneshiek Medical Center	1
Women's Health Services of Eastern Iowa	2
TOTAL	65

Electronic Laboratory Report (eLR)

(Electronic Laboratory represents health systems connected to the IHIN that are sending infectious and communicable diseases results to the Iowa Department of Public Health to help ensure a critical response, particularly during an environmental or public health emergency).

35 Distinct Connections, 166 Facilities

Parent Organization	Additional Facility Name	City	State
Alegent Creighton Health (CHI Nebraska)	Memorial Community Hospital	Blair	NE
Alegent Creighton Health (CHI Nebraska)	Alegent Health	Omaha	NE
Alegent Creighton Health (CHI Nebraska)	Alegent Health Community Memorial Hospital	Missouri Valley	IA
Alegent Creighton Health (CHI Nebraska)	Alegent Health Mercy Hospital	Corning	IA
Alegent Creighton Health (CHI Nebraska)	CHI Health Bergan Mercy	Omaha	NE
Alegent Creighton Health (CHI Nebraska)	CHI Health Immanuel	Omaha	NE
Alegent Creighton Health (CHI Nebraska)	CHI Health Mercy Council Bluffs	Council Bluffs	IA
Alegent Creighton Health (CHI Nebraska)	Creighton Univ Medical Ctr Lab	Omaha	NE

Alegent Creighton Health (CHI Nebraska)	CHI Creighton Univ Medical Ctr	Omaha	NE
Avera Health	Sioux Center Health	Sioux Center	IA
Avera Health	Avera Medical Worthington	Worthington	MN
Avera Health	Avera Sacred Heart Hospital	Yankton	SD
Avera Health	Hegg Memorial Health Center	Rock Valley	IA
Avera Health	Osceola Community Hospital, Inc.	Sibley	IA
Avera Health	Avera Lakes Family Practice	Spirit Lake	IA
Avera Health	Avera Spirit Lake Medical Center	Spirit Lake	IA
Avera Health	Avera Medical Group Spencer	Spencer	IA
Avera Health	Avera Holy Family Hospital	Estherville	IA
Avera Health	Floyd Valley Hospital	Le Mars	IA
Avera Health	Lakes Regional Medical Center	Spirit Lake	IA
Avera Health	Avera McKennan Hospital Lab.	Sioux Falls	SD
Broadlawns Medical Center	Pathology Lab-Des Moines	Des Moines	IA
Broadlawns Medical Center	Broadlawns Medical Center	Des Moines	IA
Broadlawns Medical Center	Siemens Clinical Laboratory	Berkeley	CA
Burgess Health Center	Burgess Health Center	Onawa	IA
CASS COUNTY HEALTH SYSTEMS	CASS COUNTY HEALTH SYSTEMS	Atlantic	IA
Clarinda Regional Health Center	Clarinda Regional Health Center	Clarinda	IA
Crawford County Memorial Hospital	Crawford County Memorial Hospital	Denison	IA
Dallas County Hospital	Dallas County Hospital	Perry	IA
Decatur County Hospital	Decatur County Hospital	Leon	IA
Parent Organization	Additional Facility Name	City	State
Ellsworth Municipal Hospital dba Hansen Family Hospital	Hansen Family Hospital	Iowa Falls	IA
Floyd County Medical Center	Floyd County Medical Center	Charles City	IA
Fort Madison Community Hospital	Fort Madison Community Hospital	Fort Madison	IA
Genesis Health System	Genesis Medical Center-East Davenport	Davenport	IA
Genesis Health System	Genesis Medical Center Illini	Silvis	IL
Genesis Health System	Genesis Medical Center-DeWitt	De Witt	IA
Genesis Health System	Jackson County Regional Health	Maquoketa	IA
Genesis Health System	Genesis Medical Center Illini	Silvis	IL
Genesis Health System	Genesis Medical Center Illini	Silvis	IL
Gundersen Lutheran Medical Ctr	Hirsch Clinic	Viroqua	WI
Gundersen Lutheran Medical Ctr	Bland Clinic	Westby	WI
Gundersen Lutheran Medical Ctr	LaFarge Medical Clinic	La Farge	WI
Gundersen Lutheran Medical Ctr	Kickapoo Valley Medical Clinic	Madison	WI
Gundersen Lutheran Medical Ctr	Vernon Memorial Hospital	Viroqua	WI

Gundersen Lutheran Medical Ctr	Gundersen Lutheran	La Crosse	WI
Gundersen Lutheran Medical Ctr	Tri-County Hospital	Whitehall	WI
Gundersen Lutheran Medical Ctr	St. Josephs Hospital	Hillsboro	WI
Gundersen Lutheran Medical Ctr	Micro Research Lab	La Crosse	WI
Gundersen Lutheran Medical Ctr	Palmer Lutheran Health Center	West Union	IA
Gundersen Lutheran Medical Ctr	Boscobel Area Health Care	Boscobel	WI
Guthrie County Hospital	Guthrie County Hospital	Guthrie Center	IA
Hamilton County Public Hospital dba Van Diest Medical Center	Van Diest Medical Center	Webster City	IA
Health Ventures of Central Iowa (McFarland Clinic / Mary Greeley)	McFarland Clinic Lab - Ames E	Ames	IA
Health Ventures of Central Iowa (McFarland Clinic / Mary Greeley)	McFarland Clinic Lab - W City	Webster City	IA
Health Ventures of Central Iowa (McFarland Clinic / Mary Greeley)	McFarland Clinic Lab - St City	Story City	IA
Health Ventures of Central Iowa (McFarland Clinic / Mary Greeley)	McFarland Clinic Lab - Marsh S	Marshalltown	IA
Health Ventures of Central Iowa (McFarland Clinic / Mary Greeley)	McFarland Clinic Lab - Marsh	Marshalltown	IA
Health Ventures of Central Iowa (McFarland Clinic / Mary Greeley)	McFarland Clinic Lab-IA Falls	Iowa Falls	IA
Health Ventures of Central Iowa (McFarland Clinic / Mary Greeley)	McFarland Clinic Lab - Eldora	Eldora	IA
Parent Organization	Additional Facility Name	City	State
Health Ventures of Central Iowa (McFarland Clinic / Mary Greeley)	McFarland Clinic Lab - Carroll	Carroll	IA
Health Ventures of Central Iowa (McFarland Clinic / Mary Greeley)	Mary Greeley Medical Center	Ames	IA
Health Ventures of Central Iowa (McFarland Clinic / Mary Greeley)	McFarland Clinic Lab - Ames N	Ames	IA
Health Ventures of Central Iowa (McFarland Clinic / Mary Greeley)	McFarland Clinic Lab - Main	Ames	IA
Health Ventures of Central Iowa (McFarland Clinic / Mary Greeley)	McFarland Clinic Lab - Ames W	Ames	IA
Henry County Health Center	Henry County Health Center	Mount Pleasant	IA
Iowa Specialty Hosp-Belmond	Iowa Specialty Hosp-Belmond	Belmond	IA
Iowa Specialty Hospital-Clarion	Iowa Specialty Hospital Clarion	Clarion	IA
Iowa Specialty Hospital-Clarion	Iowa Specialty Hospital Belmond	Belmond	IA
Jefferson County Health Center	Jefferson County Health Center	Fairfield	IA
Lucas County Health Center	Lucas County Health Center	Chariton	IA

Mercy Hospital Laboratory	Mercy Hospital Laboratory	Iowa City	IA
Mercy Medical Center - Cedar Rapids	Mercy Medical Center	Cedar Rapids	IA
Mercy Medical Center - Des Moines	Mercy Clinical Laboratories	Des Moines	IA
Mercy Medical Center - Des Moines	Mercy Medical Center - Centerville	Centerville	IA
Mercy Medical Center - Des Moines	Mercy Medical Center - Des Moines	Des Moines	IA
Mercy Medical Center - Des Moines	Mercy West Lakes	West Des Moines	IA
Ottumwa Regional Health Center	Ottumwa Regional Health Center	Ottumwa	IA
Pathlab Ltd at Jennie Edmundson Hospital/Pathlab J. Ed-Nebraska Methodist	Pathlab Ltd at Jennie Edmundson Hospital	Council Bluffs	IA
Pella Regional Health Center	Pella Regional Health Center	Pella	IA
Regional Medical Center	Regional Medical Center	Manchester	IA
Sanford Health System	Sanford Health Pathology	Sioux Falls	SD
Sanford Health System	Windom Area Hospital	Windom	MN
Sanford Health System	Sanford Jackson Medical Center	0	MN
Sanford Health System	Sanford Worthington Medical Center	Worthington	MN
Sanford Health System	Sanford Vermillion Medical Center	Vermillion	SD
Parent Organization	Additional Facility Name	City	State
Sanford Health System	Sanford Westbrook Medical Center	Westbrook	MN
Sanford Health System	Sanford Aberdeen Medical Center	Aberdeen	SD
Sanford Health System	Sanford Luverne Medical Center	Luverne	MN
Sanford Health System	Sanford Chamberlain Medical Center	Chamberlain	SD
Sanford Health System	Sanford Clear Lake Medical Center	Clear Lake	SD
Sanford Health System	Sanford Canton-Inwood Medical Center	Canton	SD
Sanford Health System	Orange City Hospital	Orange City	IA
Sanford Health System	Sanford Sheldon Medical Center	Sheldon	IA
Sanford Health System	Sanford Rock Rapids Medical Center	Rock Rapids	IA
Sanford Health System	Sanford USD Medical Center	Sioux Falls	SD
Sanford Health System	Sanford Canby Medical Center	Canby	MN
Sanford Health System	SANFORD LABORATORY BISMARCK	Bismarck	ND
Sanford Health System	Winner Regional Hospital	Winner	SD

Sanford Health System	Pioneer Memorial Hospital & Health Services	Viborg	SD
Sanford Health System	Sanford Webster Medical Center	Webster	SD
Sanford Health System	Sanford Tracy Medical Center	Tracy	MN
Skiff Medical Center	Skiff Medical Center	Newton	IA
Skiff Medical Center	Quest Diagnostics-Schaumburg	Schaumburg	IL
Skiff Medical Center	Focus Diagnostics	Cypress	CA
Skiff Medical Center	Quest Diagnostics-San Juan Cap	San Juan Capo	CA
Spencer Hospital	Spencer Hospital	Spencer	IA
St. Anthony Regional Hospital	St. Anthony Regional Hospital	Carroll	IA
UnityPoint Health	UP Clinic FM Eldora	Eldora	IA
UnityPoint Health	Trinity Rock Island	Rock Island	IL
UnityPoint Health	Iowa Health Physicians laboratory	Des Moines	IA
UnityPoint Health	UP Clinic FM Denver	Denver	IA
UnityPoint Health	Greater Regional Medical Center	Creston	IA
UnityPoint Health	Story County Medical Center	Nevada	IA
UnityPoint Health	Trinity Bettendorf Metro Lab	Bettendorf	IA
UnityPoint Health	UnityPoint Health Methodist – Peoria	Peoria	IL
UnityPoint Health	Trinity Moline	Moline	IL
UnityPoint Health	Allen Health System	Waterloo	IA
UnityPoint Health	UP Clinic FM Evansdale	Evansdale	IA
UnityPoint Health	UP Clinic FM Cederloo	Cedar Falls	IA
Parent Organization	Additional Facility Name	City	State
UnityPoint Health	UP Clinic FM Grundy Center	Grundy Center	IA
UnityPoint Health	Buchanan County Health Center	Independence	IA
UnityPoint Health	UP Clinic FM Allison	Parkersburg	IA
UnityPoint Health	Pathology Lab-Des Moines	Des Moines	IA
UnityPoint Health	Lucas County Health Center	Chariton	IA
UnityPoint Health	Keokuk Area Hospital	Keokuk	IA
UnityPoint Health	UP Rockwell City Clinic	Rockwell City	IA
UnityPoint Health	UnityPoint Health-St. Luke's	Sioux City	IA
UnityPoint Health	Community Memorial Hospital - Sumner	Sumner	IA
UnityPoint Health	UP Clinic FM Rohlf Memorial	Waverly	IA
UnityPoint Health	Stewart Memorial Community Hospital	Lake City	IA
UnityPoint Health	Methodist West Hospital	West Des Moines	IA
UnityPoint Health	Iowa Methodist Medical Center	Des Moines	IA
UnityPoint Health	Iowa Lutheran Hospital	Des Moines	IA

UnityPoint Health	St. Luke's Hospital	Cedar Rapids	IA
UnityPoint Health	Medlabs-1st Ave. Cedar Rapids	Cedar Rapids	IA
UnityPoint Health	Grundy County Memorial Hospital	Grundy Center	IA
UnityPoint Health	Trinity Regional Medical Center	Fort Dodge	IA
UnityPoint Health	Pocahontas Community Hospital	Pocahontas	IA
UnityPoint Health	Guttenberg Municipal Hospital	Guttenberg	IA
UnityPoint Health	Humboldt County Memorial Hospital	Humboldt	IA
UnityPoint Health	Trinity Muscatine	Muscatine	IA
UnityPoint Health	Buena Vista Regional Medical Center	Storm Lake	IA
UnityPoint Health	Clarke County Hospital	Osceola	IA
UnityPoint Health	Greene County Medical Center	Jefferson	IA
UnityPoint Health	Cherokee Regional Medical Center	Cherokee	IA
UnityPoint Health	Loring Hospital	Sac City	IA
UnityPoint Health	Marengo Memorial Hospital	Marengo	IA
UnityPoint Marshalltown	UnityPoint Marshalltown	Marshalltown	IA
University of Iowa Hospitals and Clinics	Pediatrics Park Place	Cedar Rapids	IA
University of Iowa Hospitals and Clinics	UI HEALTHCARE RIVER CROSSING	Riverside	IA
University of Iowa Hospitals and Clinics	Iowa River Landing Laboratory	Coralville	IA
Parent Organization	Additional Facility Name	City	State
University of Iowa Hospitals and Clinics	University of Iowa Hospitals and Clinics	Iowa City	IA
University of Iowa Hospitals and Clinics	U of I Stead Family Children's	Cedar Rapids	IA
University of Iowa Hospitals and Clinics	UNIVERSITY OF IOWA HOSPITALS & CLINICS RESPIRATORY THERAPY	Iowa City	IA
UP Keokuk Area Hospital	Keokuk Area Hospital	Keokuk	IA
Veterans Memorial Hospital	Veterans Memorial Hospital	Waukon	IA
Virginia Gay Hospital	Virginia Gay Hospital	Vinton	IA
Washington County Hospital and Clinics	Washington County Hospital and Clinics	Washington	IA
Wayne County Hospital	Wayne County Hospital	Corydon	IA
Wheaton Franciscan Healthcare	Covenant Clinic Arrowhead	Cedar Falls	IA
Wheaton Franciscan Healthcare	Covenant Clinic Kimball	Waterloo	IA
Wheaton Franciscan Healthcare	Covenant Clinic Lab 210	Waterloo	IA
Wheaton Franciscan Healthcare	WHEATON FRANCISCAN LAB	Milwaukee	WI
Wheaton Franciscan Healthcare	Covenant Medical Center	Waterloo	IA

Wheaton Franciscan Healthcare	Sartori Memorial Hospital	Cedar Falls	IA
Wheaton Franciscan Healthcare	Mercy Hospital of Franciscan Sisters	Oelwein	IA

**Several facilities are transitioning to eLR production on December 18, 2018, including Great River Health and Veterans Memorial Hospital. Some additional Cerner Sites are being added to the Cerner connection.*