## CHCANYS NYS-HCCN presents

## Advancing Interoperability: Inspiring Better Outcomes

Day 2 February 25, 2021 – 2:00 pm





## Zoom Guidelines

- You have been muted upon entry. Please respect our presenters and stay on mute if you are not speaking.
- Please share your questions in the chat. CHCANYS staff will raise your questions to our speakers and follow up as needed if there are unanswered questions.
- The workshop is being recorded.







# Agenda

- Information Blocking and Policy
- EHR Panel: Interoperability and External Data
- Interoperability Workgroups: Gravity Project and Sequoia Project

Implementing the ONC Information Blocking Rule and the Proposed HIPAA Rules: What FQHCs Need to Know

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## Implementing the ONC Information Blocking Rule and the Proposed HIPAA Rules: What FQHCs Need to Know





#### **Presenters**



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## Background

Information Blocking and Proposed HIPAA Rules February 25, 2021 | Manatt Health



#### "Interoperability, Information Blocking and the ONC Health IT Certification Program" Final Rule

- Among other things, implements the information blocking provisions of the 21st Century Cures Act, which:
  - Were enacted in response to concerns that some individuals and entities are engaging in practices that unreasonably limit the availability and use of electronic health information (EHI) for authorized and permitted purposes.
  - Define practices that constitute information blocking when engaged in by a healthcare provider or a health IT developer, an exchange or a network
  - Authorize DHHS to identify, through notice and comment rulemaking, reasonable and necessary activities that do not constitute information blocking

### **Background: Effective Date**



The final rule was published in the Federal Register on May 1, 2020, and was supposed to be effective six months after publication. **Due to COVID-19**, the compliance date has been extended to **April 5, 2021**.

However, for the **first 18 months of implementation** (from six months after publication to two years after publication), actors are required to comply with the rule only regarding information in the USCDI rather than all EHI (defined on the following slide). This gives actors time to develop compliance in regard to a common data set before having to expand their obligations to all EHI.

Final Rule: https://www.healthit.gov/sites/default/files/cures/2020-03/ONC\_Cures\_Act\_Final\_Rule\_03092020.pdf; https://www.federalregister.gov/documents/2020/05/01/2020-07419/21st-century-cures-act-interoperability-information-blocking-and-the-onc-health-it-certification



## Who does the rule apply to?

# Applies to healthcare providers, health IT developers, health information networks and health information exchanges

Healthcare provider	A hospital, skilled nursing facility, nursing facility, home health entity, other long-term care facility, healthcare clinic, community mental health center, renal dialysis facility, blood center, ambulatory surgical center, FQHC, group practice, pharmacist, pharmacy, laboratory, physician, practitioner, rural health clinic, therapist, and any other category of healthcare facility, entity, practitioner or clinician determined appropriate by the Secretary of DHHS
Health IT developer	An individual or entity that develops or offers health information technology and has health information technology under the ONC Health IT Certification Program
Health information network (HIN) or health information exchange (HIE)	<ul> <li>An individual or entity that determines, controls or has the discretion to administer any requirement, policy or agreement that permits, enables or requires the use of any technology or services for access, exchange or use of electronic health information:</li> <li>Among more than two unaffiliated individuals or entities (other than the individual or entity to which this definition might apply) that are enabled to exchange with each other; and</li> <li>That is for a treatment, payment or healthcare operations purpose</li> </ul>



## What Constitutes Information Blocking?

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## What Constitutes Information Blocking?

Information blocking means a practice that is likely to interfere with, prevent or materially discourage access, exchange or use of <u>electronic health information</u>, except as required by law or covered by an exception.

- What counts as "electronic health information"?
  - Electronic health information means electronic protected health information (ePHI) under HIPAA to the extent that it would be included in a designated record set.
    - USCDI is the baseline set of data that a certified health IT must make available for access and exchange.
  - De-identified data is **not** included in the definition of EHI.
  - Paper records are not subject to these rules.



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- Examples of potential violations
  - Formal restrictions: Provider policy requires staff to obtain a patient's written consent before sharing any EHI with unaffiliated providers for treatment purposes.
  - Technical limitations: A provider disables the use of an EHR capability that would enable staff to share EHI with users at other systems.
  - Isolated interference: A provider has the capability to provide same-day EHI access in a format requested by an unaffiliated provider but takes several days to respond.
  - Opportunistic behavior: An EHR developer imposes a surcharge on EHI transfers to third-party applications that compete with the developer's products.



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### What Constitutes Information Blocking?

Information blocking means a practice that is likely to interfere with, prevent or materially discourage access, exchange or use of electronic health information, <u>except as required by law</u> or covered by an exception.



The information blocking rule <u>does not apply</u> to conduct that is <u>required</u> under federal or state law, but the rule <u>does apply</u> to conduct that is <u>permitted</u> by law.

#### Example

Under HIPAA, an individual may request that a provider not disclose PHI to a health plan regarding services that have already been paid in full (unless disclosure is permitted under some other HIPAA exception). The provider is **required by law** to withhold that information. Thus, this conduct does not implicate the information blocking rule.



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Information blocking means a practice that is likely to interfere with, prevent, or materially discourage access, exchange, or use of electronic health information, except as required by law or <u>covered</u> by an exception.

- ONC defined **eight exceptions**, guided by the following principles:
  - The exceptions should be limited to activities that clearly advance the overall aims of the information blocking rule:
    - Preventing harm to patients and others and promoting privacy and security of EHI
    - Promoting competition, innovation & consumer welfare
    - Allowing system downtime for maintenance and upgrades
  - The exceptions should protect these beneficial activities to prevent a chilling effect
  - The exceptions are strictly defined to ensure they are limited to reasonable and necessary activities.
  - All conditions must be satisfied to qualify for an exception



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Information blocking means a practice that is likely to interfere with, prevent, or materially discourage access, exchange, or use of electronic health information, except as required by law or <u>covered</u> by an exception.

ONC divided the eight exceptions into two categories:

- Exceptions that involve **not fulfilling requests** to access, exchange or use EHI
  - Preventing harm exception
  - Privacy exception
  - Security exception
  - Infeasibility exception
  - Health IT performance exception
- Exceptions that involve procedures for fulfilling requests to access, exchange or use EHI
  - Content and manner exception
  - Fees exception
  - Licensing exception



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Exceptions that involve not fulfilling requests to access, exchange, or use EHI

#### **1** Preventing Harm Exception

The actor holds **a reasonable belief** that the practice **will substantially reduce** the **risk of harm** to a patient or another natural person and the practice is **no broader than necessary** to substantially reduce the **risk of harm** 

- **Declining** to share data that is **corrupt** or **erroneous**
- Declining to share data arising from misidentifying a patient or mismatching a patient's EHI
- Refraining from a disclosure that would endanger life or physical safety of a patient or another person
  - Licensed provider who made determination must have done so in the context of a current or prior clinician-patient relationship with the patient

#### **2** Privacy Exception (consists of four "sub-exceptions")

- Precondition not satisfied. Preconditions established by state or federal law have not been satisfied and the provider's practice is tailored to the preconditions, is implemented in a consistent and non-discriminatory manner, and either conforms to the provider's written policies and procedures or Is documented by the provider, on a case-by-case basis
  - If the precondition relies on an individual's consent and the consent isn't adequate, the provider must use reasonable efforts to provide the individual with an adequate consent form and not improperly encourage or induce the individual to not provide the consent
- Respecting an individual's request not to share information. Permissible so long as, among other things the provider didn't improperly encourage or induce the request and the provider's practice is implemented in a consistent and nondiscriminatory manner

- **2 Privacy Exception (consists of four "sub-exceptions")**
- Denial of an individual's request for EHI consistent with HIPAA's right of access provisions. Examples include pychotherapy notes and information compiled for use in a civil, criminal or administrative proceeding
- Health IT developer not covered by HIPAA. Health IT developers not subject to HIPAA, like those that provide services directly to patients, can refuse to disclose data based on their organizational privacy policies if those policies meet certain requirements

#### **3** Security Exception

- Permits practices that are directly related to safeguarding the confidentiality, integrity, and availability of EHI if they are:
  - tailored to the security risk being addressed
  - implemented in a consistent and nondiscriminatory manner
  - either implement a written organizational security policy that meets certain requirements, or are made pursuant to a case-bycase determination that the practice is necessary to mitigate the security risk and there are no reasonable and appropriate alternatives

#### 4 Infeasibility Exception

- The request cannot be fulfilled due to events beyond the actor's control
  - Natural or man-made disaster, public health emergency, telecommunication or internet service disruption, etc.)
- The requested EHI cannot be unambiguously segmented from other EHI that can't be made available
  - Due to patient preference or by law, or under the Preventing Harm exception
- The request is infeasible under the circumstances
  - Requires contemporaneous documentation demonstrating consideration of:
    - Type of EHI and purpose for which it is needed
    - ✓Cost of complying
    - Whether provider controls or owns the technology through which the EHI is exchanged

- Financial and technical resources available
- ✓ Whether practice is non-discriminatory
- Why access, exchange, or use could not be provided consistent with the Content and Manner Exception

Provider must respond to request in writing within 10 business days, explaining why it was infeasible.

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#### 5 Health IT Performance Exception

- A practice that makes health IT temporarily unavailable or temporarily degrades its performance in order to perform maintenance or improvement, provided that:
  - The practice is implemented for a period of time no longer than necessary
  - The practice is implemented in a consistent and non-discriminatory manner
  - If initiated by a health IT developer, health information exchange or health information network, the practice must be consistent with applicable service level agreements or, if unplanned, agreed to by the provider
- A provider may take action against a third-party application that is negatively impacting health IT performance, if such action is:
  - Implemented in a consistent and non-discriminatory manner for a time no longer than necessary to resolve any negative impacts
    - Consistent with existing service level agreements, where applicable



Exceptions that involve procedures for fulfilling requests to access, exchange, or use EHI

#### 6 Content and Manner Exception

- Content Condition: Until May 2, 2022, a response to a request to access, exchange or use EHI may be limited to the data elements represented in the USCDI standard
  - On and after that date, the broader definition of EHI applies
- Manner Condition: Except as provided below, a provider must fulfill a request to access, exchange or use EHI in the manner requested
  - If a provider is technically unable to do so or cannot reach agreeable terms with the requestor, the provider must fulfill the request in an alternative manner, without unnecessary delay, and in a specific order of priority
  - If a provider fulfills a request in the manner requested, any fees charged do not need to satisfy the Fees Exception and any license does not need to satisfy the Licensing Exception
  - If a provider fulfills a request in an alternative manner, any fees charged need to satisfy the Fees
     Exception and any license needs to satisfy the Licensing Exception



#### 7 Fees Exception

- **Basis for Fees Condition.** For the exception to apply:
  - The fees an actor charges must be based on objective and verifiable criteria; reasonably related to the actor's cost of providing the EHI; reasonably allocated among similarly situated persons; and based on cost otherwise not recovered for the same instance of service to a provider and third party
  - The fees may not take into account whether the requestor is a competitor; any value the requestor may derive from the EHI; or certain costs incurred by the actor
- **Excluded Fee Condition.** The exception does not apply to:
  - Fees prohibited by HIPAA
  - Fees based in any part on an individual's electronic access to the individual's EHI
  - Fees to perform an export of EHI via existing capabilities for purpose of switching health IT or to provide patients their EHI
  - Fees to export or convert data from an EHR technology that was not agreed to in writing at the time the technology was acquired

#### 8 Licensing Exception

Applies to requests to license an interoperability element

- Requires that an actor commence negotiations within 10 business days of the request and finalize negotiations within 30 business days of the request
- Provides that the license must provide all rights necessary to achieve the intended access, exchange, or use, and charge a reasonable royalty that's based solely on the independent value of the actor's technology (not strategic value)
- Requires license terms to be non-discriminatory, based on objective and verifiable criteria uniformly applied for similarly situated persons, and not be based on whether the requestor is a competitor or what value the requestor may derive
- Prohibits certain collateral terms, such as terms prohibiting competition or requiring exclusivity. Reasonable non-disclosure agreements are permitted
- Requires that the license not impede the interoperability elements

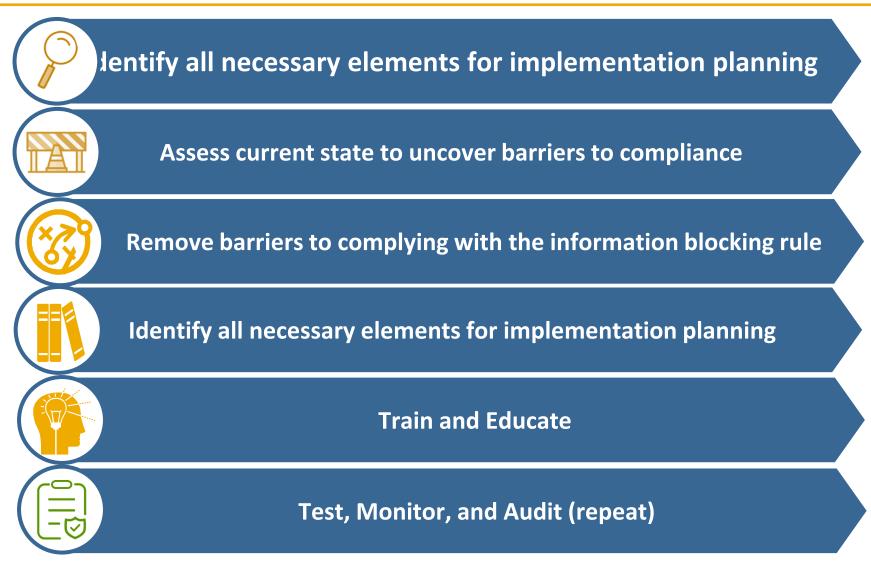
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## **Coming Into Compliance**

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### **Preparing to Comply**





## **Proposed HIPAA Rules**

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Similar to the final rules on interoperability, the proposed rule implements the HHS Secretary's goal of increasing patients' access to their own health information and improving data sharing for care coordination. The proposed rule also seeks to clarify certain provisions under the Privacy Rule and to reduce administrative burden on covered healthcare providers.

- Expand a Patient's Right of Access. Allow individuals inspecting their PHI to take notes or use other personal resources to view and capture images of such PHI.
- Shorten Response Time. Shorten the timeframe to respond to an access request from 30 days to 15 days.
- Prohibit Unreasonable Barriers to Access. Remove barriers to exercising a right to access that are unreasonable or delay access.
- Modifying Fee Structure Based on Access Type.

- Clarify Permitted Disclosures for Care Coordination and Care Management.
  - Amend the definition of healthcare operations in order to clarify that PHI may be shared with health plans involved in care coordination and care management without being subject to the minimum necessary rule.
  - Permit PHI to be disclosed to others to facilitate care management or wrap around support services.
- Enable Disclosures to Help Individuals Experiencing Substance Abuse Disorder or Serious Mental Illness and in Emergency Circumstances. Replace the privacy standard that permits covered entities to make certain uses and disclosures of PHI based on their "professional judgment" with a standard permitting such uses or disclosures based on a covered entity's good faith belief that the use or disclosure is in the best interests of the individual.
- Eliminate the Written Acknowledgement of Notice of Privacy Practices Requirement.

### Contact



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To learn more on these topics visit Manatt's Website:

- *Information Blocking:* https://www.manatt.com/insights/webinars/implementing-the-onc-information-blocking-rule-(1)
- HIPAA's Proposed Changes: https://www.manatt.com/insights/newsletters/health-update/significant-changesto-the-hipaa-regulations-propo

## **EHR Panel: Interoperability and External Data**

## eClinicalWorks

"Improving Healthcare Together"



Farah Saeed, eCW Interoperability Sales and Business Development

CHCANYS

**Muhammed Chebli, NextGen** Vice President of Solutions

Heather Vile, NextGen Interoperability Project Manager Margot Hultz, MEDENT Interoperability Team Leader **Barbara Cuthbert, MEDENT** Vice President of Sales and Marketing













# Interoperability

eClinicalWorks

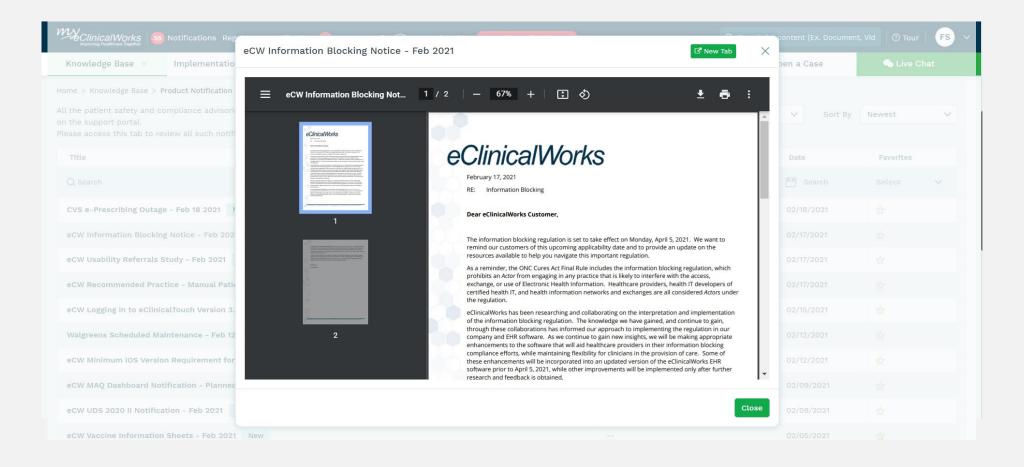
eClinicalWorks Confidential

# **Information Blocking**



Effective November 2, 2020 (delayed compliance date: 4/5/2021), health providers, developers of certified health IT, and health information networks and exchanges are prohibited from engaging in any practice that is *likely* to interfere with, prevent, or materially discourage the **access**, **exchange** or **use** of electronic health information (EHI).

# Information Blocking eClinicalWorks Policy



# **Elements of Information Blocking**

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- Electronic Health Information (EHI)
  - In the context of Information Blocking, Electronic Health Information means Electronic Protected Health Information (ePHI) to the extent that the ePHI would be included in a designated record set. It is limited to data elements in USCDI in the initial phase of implementation of this rule.



- Knowledge Standard
  - For health care providers, they should not act in ways that they "know that such practice is unreasonable and is likely to interfere with the access, exchange, or use of EHI."



- "Actors" regulated by the information blocking provision are:
  - Health Care Providers
  - Health IT Developers of Certified Health IT
  - Health Information Exchanges and Networks

## **Need for FHIR?**



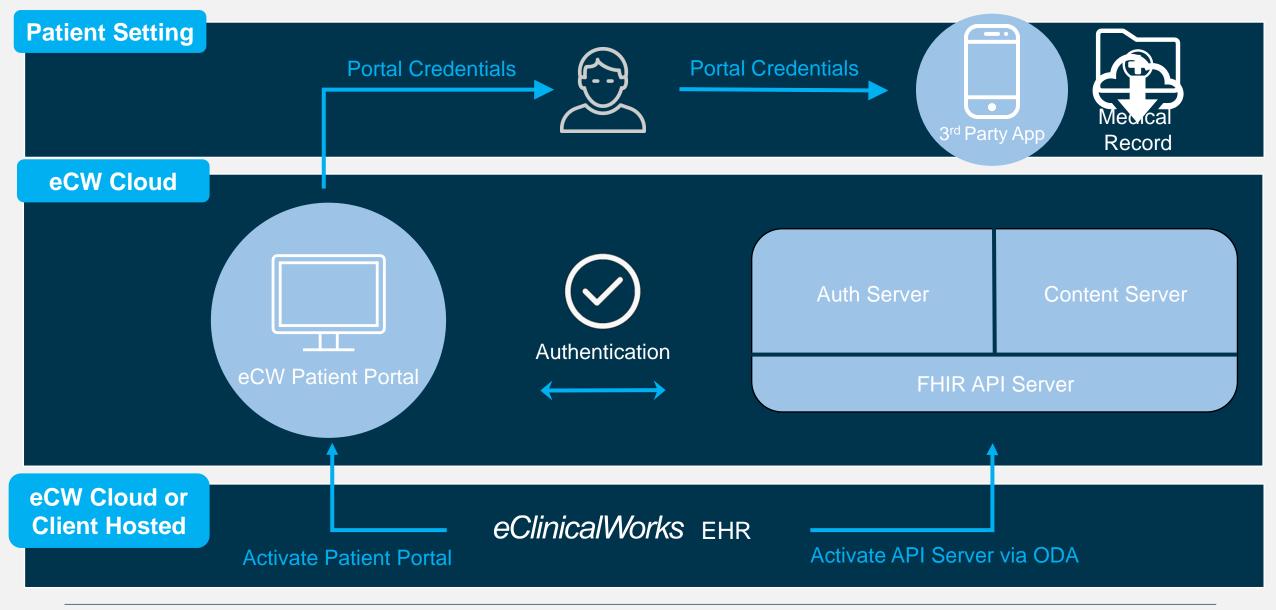
# eClinicalWorks Developer Portal connect.healow.com

connect.healow.com/apps/jsp/dev/register.jsp		\$
healow Health and Online Wellness		Log In As Developer
<section-header></section-header>	Sign up for healow developer account.   Name   First name   Last name   E-mail address   john.smith@gmail.com   Password   Password   Confirm your password   Confirm Password   Phone number   +1	
Learn More	Prove you are not a robot	

## On Demand Activation of FHIR APIs Interoperability Hub

Interoperability Settings -	
Network	Fast Healthcure Interoperability Resources (FHIR)
Commonwell Health Alliance	Activation will take you through a wizard to enable the FHIR API for your entire practice.
Carequality Framework	On-Demand FHIR API for 3rd Party Application Access Activation Consent Form
) MR	On-Demana Prink API for and Party Application Access Accession Consent Form
Consents	This Addendum to the License Agreement between eClinicalWorks, LLC, and Customer (the entity that has licensed the eClinicalWorks software and services) would make additional software and/or services available to Customer and constitutes a binding agreement between eClinicalWorks
Registries	and Customer. The relationship between eClinicalWorks and Customer will continue to be subject to the License Agreement, each Terms of Use, this Addendum (if accepted), and any other addenda to which eClinicalWorks and Customer have agreed.
	Healow FHIR Cloud Service for Patient-Facing Apps
	Functionality     eCW supports FHIR through Healow FHIR Cloud       Service, and Customer desires to add the Healow       FHIR Cloud Service (Patient Electronic Access through an API method).
	License     This service is made available by eClinicalWorks through a license with healow, LLC.
	Initial Term 12 months.
	There is no additional charge for the Healow FHIR Cloud Service until December 31, 2020. Healow reserves the right to introduce costs for this costed. Contemport will be close a non-interview.
	Fee: \$ 0.1 per successful transaction request made by the 3rd party developer application which receives a response back with data from eClinical/Vorks.
	You will be signing up to share information with third party applications when you click save button To learn more about FHIR click here

### **Patient Apps Technical Workflow**



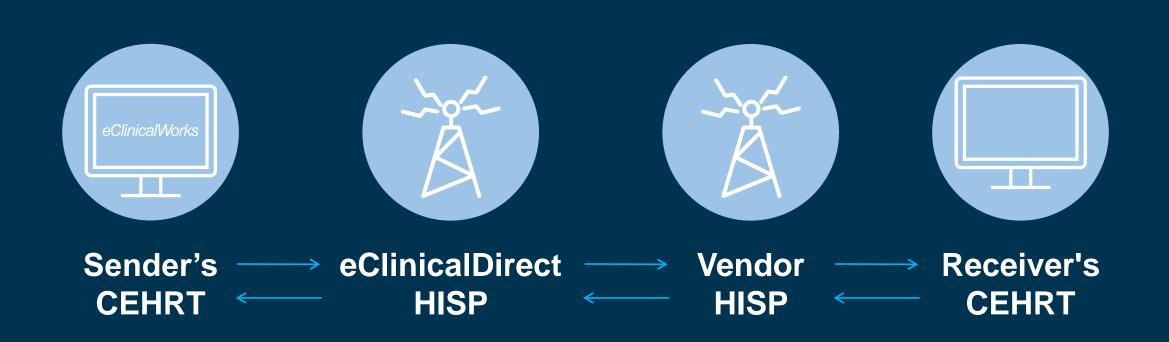
# Direct Secure Messaging DirectTrust<sup>™</sup>

# eClinicalDirect HISP





# **Direct Messaging Architecture**



**CEHRT = Certified Electronic Health Records Technology** 

# **Immunization Registries**

### **NY State NYSIIS**

- Uni-directional immunizations feed is LIVE
  - Bi-directional component in progress
- COVID updates requested (Priority Groups) are LIVE

### NY City CIR

- Bi-directional immunizations feed is LIVE
- COVID updates requested (Priority Groups) are LIVE

# **Nationwide Data Sharing**



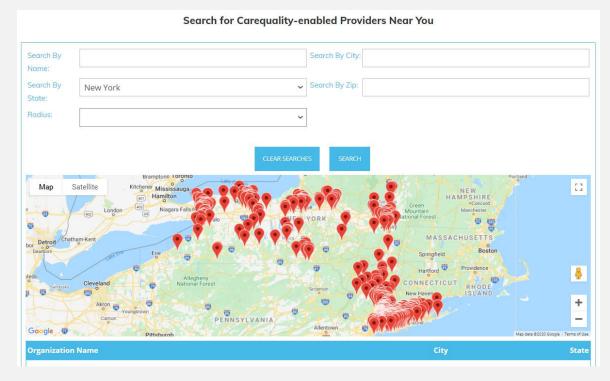
# **Nationwide Data Sharing**



# **Members**



# **Participating Organizations**

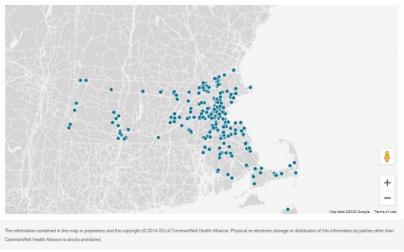


#### https://carequality.org/active-sites-search/

#### Care Provider Sites

To see what practitioners currently are live with CommonWell Services, click on the map. You also can filter by venue of care or search the full list of sites below.

Care Provider Site		City/State/Zip	
Care Provider		Massachusetts, USA	
ilter by Distance		Filter by Category	
- none -	-	0 Select Categories	*





https://www.commonwellalliance.org/ who-is-connected

# **Automated Query**

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Date*	09/29/2017 Claim Provider Resource*
Time*	03:18 pm    Ref.  Provider
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Visit Type*	F/U (Follow Up Visit)         ×         •         Reason
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Automatic query upon arrival

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cetirizine (ZvrTFC) 10 MG tablet(Cetirizine Hcl 10 Mg Po Tabs) 10	2

**Document notification on the Interactive Clinical Wizard** 



# **PRISMA** One Patient, One Record

### **PRISMA** eClinicalWorks' Healthcare Search Engine

- healow Insights consolidates data from external networks and presents a longitudinal view of the patient record with all internal and external data
- PRISMA allows that full record of data to be searchable

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	as of this encounter				
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Records Results refreshed: Date: 10/20/2020 01:43 PM	👻 🚓 Creation Date	07/14/2020:	Discharge Summary				
😢 Creation Date 07/14/2020: Discharge Summary 💌	•				ech	○ 0/8   ∧ ∨ 🚺 Jump to	
Lab Result Type of Study: TTE procedure: <u>ECHO</u> 2D, <u>Echocardiogram</u> complete w/bubble if app. HR: 81 bpmBP: 106/75 mmHg Indications	Patient: Smith, Gary, DOB: 09/14/1955 Sex: Male				Provider: Smith, Jones DO, Smith, Jones DO, Smith, Jones D Date: 07/14/202		
Height 63 inches Weight 173 Lb Type of Study: TTE procedure: <i>ECHO</i> 2D, <i>Echocardiogram</i> complete w/bubble if app <i>Echocardiogram</i> complete w/Bubble if app (07/10/2020 4:01 PM EDT) Impressions Performed At Final Report Transthoracic <i>Echocardiogram</i>	Social History						
Performed At Final Report Transthoracic <i>Echocardiogram</i> Interface, Rad Results In - 07/10/2020 4:17 PM EDT Final Report Transthoracic <i>Echocardiogram</i> Demographics	Tobacco Use		Types	Packs/Day	Years Used	Date	
Procedures	Never Smoker						
this procedure are in the results section . ECHOCARDIOGRAM	Smokeless Toba Used	cco: Never					
😢 Creation Date 04/26/2020: Patient Summary (CCD) 💌	Alcohol Use		Drinks/Week oz/W	leek Comments			
Problem List Overview: Proceed with <i>echocardiogram</i> Thrombophlebitis 03/09/2020	No						
Overview. Proceed with echocaralogram miroribopinebitis 05/09/2020	Sex Assigned at Birth Date Recorded						
	Not on file						
	Job Start Date	Occupation	Industry				
	Not on file	Not on file	Not on file				
	Travel History Travel Start 1		Travel End				
	No recent travel	history availab	le.				
	as of this encounter						
	Lab Result						
	Basic Metabolic P	ofile (BMP): G	lucose, BUN, CO2-, Na+	, K+, Cl-, Ca+, SCr, Anion	Gap (07/14/2020	5:36 AM EDT)	
	Component		Value	Ref Ra	nge	Performed At	
	Sodium		141	136 - 1	45 mmol/L	NEW HANOVER REGIONAL MEDICAL CENTER - HLAB	
Results: 2 Prev Page 1 of 1 Next						NEW HANOVER	

healow   Insights SMITH, Gary 🛓 Sep 14, 1955 (65 yo M) 🛋 Acc No. 22128				$\otimes$
Q echo X	All Results 👻 No suggested ke	ywords found		0 3
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All Facilities Mayo Clinic New Hanover Regional Medical Center Riverside Health System Westborough Facility Pren	nier Orthopedic Surgery Center			
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😵 Creation Date 07/14/2020: Discharge Summary 💌	•		echo 4/	8 🗛 🗸
Lab Result Type of Study: TTE procedure: ECHO 2D, Echocardiogram complete w/bubble if app. HR: 81 bpmBP: 106/75 mmHg Indications	Diff Type	AUTO		REGIONAL MEDICAL CENTER - HLAB
Height 63 inches Weight 173 Lb Type of Study: TTE procedure: ECHO 2D, Echocardiogram complete w/bubble if app	Specimen			
<u>Echocardiogram</u> complete w/Bubble if app (07/10/2020 4:01 PM EDT) Impressions Performed At Final Report Transthoracic <u>Echocardiogram</u>	Blood			
Performed ACHina Report Transmoracic <u>Perfocuratogram</u> Interface, Rad Results In - 07/10/2020 4:17 PM EDT Final Report Transthoracic <u>Echocardiogram</u> Demographics	Performing Organization	Address	City/State/Zipcode	Phone Number
Procedures this procedure are in the results section . ECHOCARDIOGRAM	NEW HANOVER REGIONAL MEDICAL CENTER - HLAB	2131 South 17th Street	Wilmington, NC 28402	910-343-7072
	Echocardiogram complete w/E	Bubble if app (07/10/2020 4:01 PM	EDT)	(
🐯 Creation Date 04/26/2020: Patient Summary (CCD) 💌	Impressions		Performed At	
Problem List Overview: Proceed with <i>echocardiogram</i> Thrombophlebitis 03/09/2020	07/02/1979 MRN # 12652867 Interpreting Nick Bobby Refe	<mark>chocardiogram</mark> Demographics Patie Gender male Account # 22537023 rring Nicholas SARA A D Physician F )3:32 PM Type of Study: TTE proced	1 Accession # CR2264193-18 Physician SonographerSteve	

complete w/bubble if app. HR: 81 bpmBP: 106/75 mmHg Indications: Endocarditis. Measurements LV Diastolic Dimension: 4.43 cm Septum Diastolic: 0.77 cm LV PW Diastolic: 0.9 cm LVOT: 2 cm LA Volume: 32.7 ml Doppler Measurements: AV Peak Gradient: 9.73 mmHg MV Peak E-Wave: 1.33 m/s AV Mean Gradient: 6 mmHg MV Peak A-Wave: 1.3 m/s AV Area (Continuity):1.56 cm^2 MV E/A Ratio: 1.02 % MV Peak Gradient: 7.08 mmHg PV Peak Velocity: 1.05 m/s PV Peak Gradient: 4.41 mmHg E' Septal Velocity:10.4 m/s E' Lateral Velocity:11 m/s Findings Mitral Valve The mitral valve appears structurally normal. Aortic Valve There is a normal appearing trileaflet aortic valve. Tricuspid Valve The tricuspid

regurgitation is seen. Left Atrium The left atrial size is normal. Left Ventricle There is normal left ventricular size. Normal left ventricular diastolic filling pattern. Normal regional wall motion Global left ventricular systolic function is normal. The estimated left ventricular ejection fraction is 60 - 65%. Right Atrium The right atrial size is normal. Right Ventricle There is grossly normal right ventricular size and function. Pericardium There is no evidence of pericardial effusion. Interatrial Septum The interatrial septum is not well visualized, but appears to be grossly intact. Miscellaneous The aortic root is normal in size. The inferior vena cava is normal in size. Normal left ventricular diastolic vollapse. Conclusions Summary There is normal left ventricular size. Normal left ventricular diastolic

filling pattern. Normal regional wall motion Global left ventricular systolic function is normal. The

valve is not well visualized. Pulmonic Valve The pulmonic valve is not well visualized. Trivial pulmonary NHRMC RAD

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Results: 2 Prev Page 1 of 1 Next

healow   Insights SMITH, Gary 🛓 Sep 14, 1955 (65 yo M) 🖷 Acc No. 22128	⊗
All Results - No suggested keywords found	0 0
PRISMA Overview Records Healow Hub	
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All Facilities       Mayo Clinic       New Hanover Regional Medical Center       Riverside Health System       Westborough Facility       Premier Orthopedic Surgery Center	
Records Results refreshed: Date: 10/20/2020 01:43 PM	
😵 Creation Date 10/20/2020: Discharge Summary 💌	
Lab Result Andrew Smith, Jr, M.D. Hanover Gastroenterology <u>ECG</u>	
with repolarization abnormality Lateral infarct , age undetermined Abnormal ECG When compared with ECG of 21-APR-2002 12:34	
Left ventricular hypertrophy with repolarization abnormality Lateral infarct , age undetermined Abnormal <u>ECG</u> When compared with <u>ECG</u> of 21-APR-2002 12:34, No significant change was found Confirmed by Thomas, M.D., THOMAS (119) on 10/18/2020 6:03:35 PM	
Procedures	
ECG 12-LEAD Routine 10/18/2020 10:41 AM EDT Results for this procedure are in the	
😢 Creation Date 08/26/2020: Discharge Summary 💌	
Lab Result	
EKG (08/26/2020 12:58 AM) Narrative Ordered by an unspecified provider. EKG 12 lead (08/26/2020 10:34 PM	
atrial enlargement Borderline ECG No previous ECGs available Confirmed by Johnson MD, Amy (634) on 7/08/2020 11:00:14 PM	
Procedure Note Interface, Ekg	
08/26/2020 11:00 PM EDT Normal sinus rhythm Possible Left atrial enlargement Borderline ECG No	
😵 Creation Date 07/14/2020: Discharge Summary 💌	
Lab Result ECG 12 lead (07/09/2020 6:34 AM EDT) Component Value Ref	
Normal sinus rhythm Low voltage QRS Borderline ECG When compared with ECG of 04-SEP	
Interface, Rad Results In - 07/10/2020 1:40 PM EDT Normal sinus rhythm Low voltage QRS Borderline ECG	
When compared with ECG of 04-SEP-2020 23:48, No significant change was found Confirmed by Tracey, MD, Leo (3303) on 9/6/2020 1:40:19 PM	
ECG 12 lead (07/08/2020 11:48 PM EDT Procedures	
ECG 12-LEAD Routine 07/09/2020 6:34 AM EDT Results for this procedure are in	
Results for this procedure are in the results section . ECG 12	
Results: 4 Prev Page 1 of 1 Next	

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😵 Creation Date 10/09/2020: Patient Summary (CCD) 💌				tylenol	1/1   ^ V Jump to
Medication affected ear Otic Twice a day 01 Oct, 2020 Active Acetaminophen 500 MG 2 tablets as needed Orally every 6 hrs 01 Oct, 2020 Active	Problem Problem ear		H60.92	Active	1089331000119109
😢 Creation Date 08/02/2020: Unstructured Record 💽	Medication				
Unstructured Document Fainting denies. Provider: Sam Willis, MD Date: 09/15/2020 10/19/2020 Print Preview 4/6 SMITH, Gary DOB: 09/14/1955 (65 yo M) Acc No. 9165 DOS: 09/15/2020 Headache denies. Medications: Taking Tylenol 325 MG	Medication	SIG (Take, Route, Frequency, Duration)	Start Date	End Date	Status
yo wy Ace No. 5165 565. 651 15/2020 Treadache denies. Medications Taking Wheney 525 Mid	Augmentin 875-125 MG	1 tablet Orally every 12 hrs for 10 day(s)	01 Oct, 2020		Active
😢 Creation Date 03/20/2020: Patient Summary (CCD) 💌 Medication	Benadryl Allergy 25 MG	1 tablet as needed Orally every 8 hrs	01 Oct, 2020		Active
1 tablet as needed Orally every 6 hrs Active Acetaminophen 500 MG 2 capsules as needed Orally every 6 hrs	Ciprodex 0.3-0.1 %	4 drops into affected ear Otic Twice a day	01 Oct, 2020		Active
	<i>Acetaminophen</i> 500 MG	2 tablets as needed Orally every 6 hrs	01 Oct, 2020		Active
	Immunizations No Information				
	Encounters				
	Encounter	Location	Date	Provider	Diagnosis
	Riverside Doctors' Hospital	1500 Commonwealth Avenue, Willburg, VA 23185-5229	18 Jul, 2020	Sam Willis	Unspecified otitis externa, left ear H60.92 and Acute infection of left ear H66.92
Results: 3 Prev Page 1 of 1 Next	Plan Of Treatment	opeult			

# NextGen Connected Health Solutions

An Introduction

Muhammad Chebli & Heather Vile

February 2021



### Presenters



Muhammad Chebli VP, Solutions in linkedin.com/in/muhammadchebli/



Heather Vile Interoperability Product Manager in linkedin.com/in/heather-vile/

For NextGen EHR CustomersFor any EHR

### **Connected Health Solutions**

Transactional Data Exchange HL7, Labs, Radiology, Referrals, HIEs, Device	Plug-and-Play / APIs (FHIR)	Data Aggregation	National Interoperability NextGen Share Carequality/Surescripts
Rosetta	Enterprise API	Health Data Hub	NextGen Share
Connect	FHIR	HDH - Identity Service	Direct Messaging
	App Marketplace	Connect	Carequality
	Health Data Hub - API	Direct Messaging	Surescripts Record Locater & Exchange
	Connect - FHIR		Clinical Registries
			eChart Extraction (Payer)

Diagnostic Hub (Labs)

### NextGen Data Exchange by the Numbers

<b>2221</b>	<b>2</b> .1	<b>72</b>	<b>170</b>
Million sent & received	Million directory	Million clinical docs	Million patient records in
secure Direct	addresses in NextGen	exchanged thru	the NextGen Record
Messages <sup>†</sup>	Share (largest in nation) <sup>†</sup>	Carequality <sup>‡</sup>	Locator Service <sup>†</sup>
710/6	<b>30</b>	<b>6.5</b>	<b>75</b>
Of all clinical exchanges	Million clinical registry	Million clinical docs	Million Carequality
are with a non-NextGen	document	exchanged with	queries from external
system <sup>†</sup>	submissions <sup>‡</sup>	insurance cos. & payers <sup>‡</sup>	systems / month <sup>†</sup>

Sources: † NextGen Share Platform Reports 10/2020, ‡ NextGen Share Bastion Report 10/2020

### **Connectivity Options**

- Local and Regional Health Information Exchange
  - NextGen technology powers three New York state HIEs:



- State & regional immunization registries
- Carequality & CommonWell
- Direct Messaging
- FHIR and API connectivity to trusted 3<sup>rd</sup> party apps & services
- In-office medical devices
- Point-to-point interfaces

### The Challenge of Finding the Right Data in the CCD

- They are frequently too long, can be 10+ pages long (printed)
- They are hard to navigate
- It is difficult to find relevant & critical data
- There is a fixed order of elements and different specialties may need to focus on different information
- And more

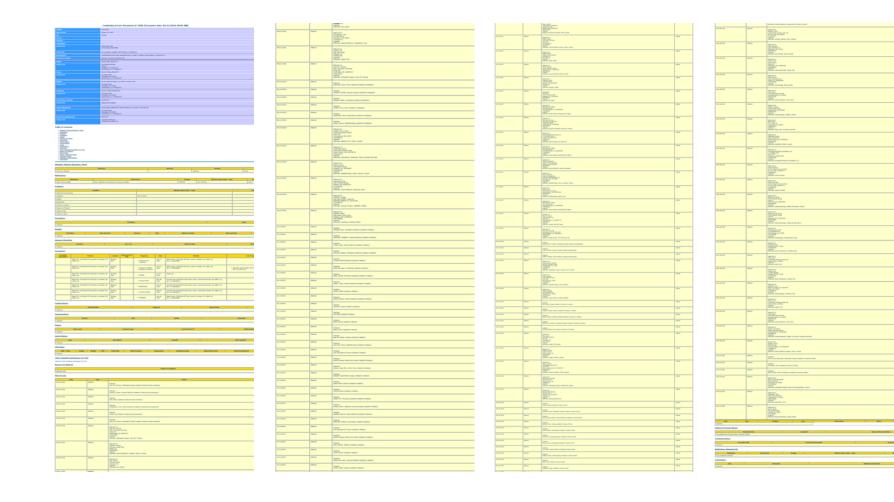
### **Content Overload**

Recipients of C-CDAs typically are overwhelmed by the amount of data each document contains

	of Care Document (C-CDA) (Encounter date: 02/03/2017 01:47 AM)
atient	2017 February3
ate of birth	August 8, 1972
ex	Male
ace(s)	
thnicity	
anguage(s)	647 New West Ave.
Contact info	Troy, MI 48084
Patient IDs	2.16.840.1.113883.3.109.2.215.2.2.1.0
Document Id	b4962eeb-42ec-4606-873a-2dd569c6ebc6 2.16.840.1.113883.3.109.3.6659.4.2.1.80210.2.2.1
Document Created:	February 3, 2017, 01:52:16, PST
Author	Yvan Charpentier
Contact info	55 LAKE AVE North Worcester, MA 01655 Work Phone: +1-7744422173
Encounter Id	46c77819-e483-4d4d-9570-e7d7b3890411 2.16.840.1.113883.3.109.3.6659.4.2.1.80210.2.2.1
Encounter Date	at February 3, 2017, 01:47
Signed	Yvan Charpentier at February 3, 2017, 01:52:16, PST
Contact info	55 LAKE AVE North Worcester, MA 01655 Work Phone: +1-7744422173
(nformant	Yvan Charpentier of Gold PCP
Contact info	55 LAKE AVE North Worcester, MA 01655 Work Phone: +1-7744422173
Information recipient:	Test Provider
Contact info	address not available
Legal authenticator	Yvan Charpentier of Gold PCP signed at February 3, 2017, 01:52:16, PST
Contact info	55 LAKE AVE North Worcester, MA 01655 Work Phone: +1-7744422173
Document maintained by	Gold PCP
Contact info	100 Gold St Horsham, PA 19044, US
able of Contents  • Allergies, Adverse Reactions, • Medications • Decolumn	Alerts

### C-CDAs are too long

Sometimes they are 10+ pages when printed



Demographics	This view reflects data relative to the document to see the original document.	creation date of 11/06/2017 a	and may not contain a	II information available in the	e original d	ocument. Click	"Full View" 🛃 📝 M	ly User Filter (Defa	ult Filter)
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	Demographics (Name: C-CDA		1/1900, Sex. Ma	ile, Age. 57 years olu)					<u>buck ro</u>
llergies (10) 🔒	C-CDAViewer UGM - DC	B 1/1/1980	Male - 37 y	ears old					
oblems (13) 🔒 🔒	Address: 795 Horsham Horsham, PA 19044	C	ontact Information:	Work Phone: +1-215657701 Mobile Phone: +1-21565770 Primary Home Phone: +1-21	014				
nmunizations (3)	Race: White, American Indian or Alaska Na Ethnicity: Not Hispanic or Latino	tive	Language:	English (Preferred)					
leds Administered 🔒	* Medications					Sh	iowing: All (21 of 21)	7 7 🚽	Back To
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	Spiriva Respimat 1.25 mcg/actuation solution fo	rin inhale 2 puff by inhalation	route every day	10/	/17/2017	02/08/2018	Active	Inactive	2 {puff}
						12/29/2017	Active	Inactive	1 {tbl}
ncounters (19)	albuterol sulfate HFA 90 mcg/actuation aerosol i	nh inhale 2 puff by inhalation	route every 4 - 6 hours	as needed 10/	/17/2017	12/01/2017	Active	Inactive	2 {puff}
	Qvar 80 mcg/actuation Metered Aerosol oral inh	aler inhale 2 puff by inhalation	route 2 times every day	r 10/	/17/2017	11/30/2017	Active	Inactive	2 {puff}
	Lipitor 20 mg tablet	take 1 tablet by oral route	every day	10/	(17/2017	11/30/2017	Active	Inactive	1 {tbl}
al Signs (7) 🛛 🔒	Lipitor 20 mg tablet bumetanide 1 mg tablet	take 1 tablet by oral route	every day	10/	/17/2017	11/15/2017	Active	Inactive	1 {tbl}
	Qvar 40 mcg/actuation Metered Aerosol oral inh	aler inhale 2 puff by inhalation	route 2 times every day	r 10/	/17/2013	10/17/2013	Inactive	Inactive	2 {puff}
	Vyvanse 50 mg capsule	take 1 capsule by oral rou	te every day in the mor	ning 09/	/01/2013	09/01/2013	Inactive	Inactive	1 {ca
ocedures (11) 🛛 🔒 🔒	Humira Pediatric Crohn's Starter 40 m	19/ take 2 capsule by oral rou	te every day	07/	(10/2013	07/10/2013	Inactive	Inactive	2 {ca
	Abilify 20 mg tablet	take 1 tablet by oral route	every day	11/	/06/2012	11/06/2012	Inactive	Inactive	1 {tbl}
	Sovaldi 400 mg tablet	take 1 tablet by oral route	every day	11/	26/2009	11/26/2009	Inactive	Inactive	1 {tbl}
nily History (7) 🛛 🔒 🔒	OxyContin 40 mg tablet, crush resistant, extended	dr take 1 tablet by oral route	every 12 hours	02/	/24/2009	02/24/2009	Inactive	Inactive	1 {tbl}
	Crestor 40 mg tablet		take 1 tablet by oral route every day				Inactive	Inactive	1 {tbl}
	Enbrel SureClick 50 mg/mL (0.98 mL) subcutant	••••• inject 1 milliliter by subcuta	aneous route every wee		/03/2008	03/03/2008	Inactive	Inactive	1 mL
ial History (2) 🛛 🔒 🔒	Abilify 10 mg tablet	take 1 tablet by oral route			10/2007	05/10/2007	Inactive	Inactive	1 {tbl}
	Nexium 24HR 22.3 mg capsule,delayed release				/09/2007	04/09/2007	Inactive	Inactive	1 {ca
	Celebrex 400 mg capsule	take 1 capsule by oral rou			13/2005	01/13/2005	Inactive	Inactive	1 {ca
anced Directives (1)	Symbical Holding capable			in the morning and evening 06/		06/02/2004	Inactive	Inactive	2 {puff}
	Viagra 100 mg tablet			proximately 1 hour before 06/		06/29/2003	Inactive	Inactive	1 {tbl}
	Cialis 20 mg tablet	take 1 tablet by oral route			/11/2002	09/11/2002	Inactive	Inactive	1 {tbl}
dical Equipment (4) 🛛 🔒	Stelara 45 mg/0.5 mL subcutaneous syringe	inject 0.5 milliliter by subcu	Itaneous route every 12	weeks (for patients weigh 09/	/01/2000	09/01/2000	Inactive	Inactive	0.5 mL
vers (3)	* Allergies					<u>Sh</u>	iowing: All (10 of 10)	2 🔽 📩	Back To
	Allergy Description (Criticality)	Onset Date	∇ Resolved Date	Reaction (Severity)		?	Status When Generated	? Curre	ent Status
ason For Referral (1)	Wheat gluten extract	08/16/2017		nausea, pain (moderate)		Ac	tive	Active	
ason For Referral (1)	soy	04/30/2017				Ac	tive	Active	
	A-ACETYLMANDELIC ACID	02/29/2016	05/31/2017	pruritic rash (mild)		No	Longer Active	No Long	er Active
- de-	cow milk allergenic extract	07/02/2012	02/14/2017			No	Longer Active	No Long	er Active
ader	Peanut allergenic extract	02/15/2011	04/15/2015	anaphylaxis (severe)		No	Longer Active	No Long	er Active
		11/18/2009	10/08/2014	nausea, pain (moderate	)	No	Longer Active	No Long	er Active
	- Depisilin	04/05/2007		hives (severe)		٨	dis un	Activo	

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### **Custom Viewer – Display Options**

- Font Sizing For Individual Users:
- Column Auto Sizing
- Manual Column Ordering

Custom View Full View Import Reconcilia	tion History					
Demographics	This view reflects data relative to the document cre to see the original document.	ation date of 11/06/	2017 and may not contain	all information available in the original docur	nent. Click "Full View" 📙 📝 My	User Filter (Default Filter) 🛛 🗸
Medications (21)	* Demographics (Name: C-CDAVie	wer UGM, DO	B: 1/1/1980, Sex: M	ale, Age: 37 years old)		<u>Back To To</u>
Allergies (10)	C-CDAViewer UGM - DOB	1/1/1980	Male - 37 y	ears old		
roblems (13)	Address: 795 Horsham Horsham, PA 19044		Contact Information:	Work Phone: +1-2156577011 Mobile Phone: +1-2156577014 Primary Home Phone: +1-2156577010		
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Neds Administered 🗼 👬	A Medications				Showing: All (21 of 21)	🔊 ブ 📩 👼 Back To To
esults (3)	Medication Name	? Current Status	? Status When Generated	Directions	Date Started	
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	Crestor 20 mg tablet	Inactive	Active	take 1 tablet by oral route every day	10/17/2017	12/29/2017 1 {tbl}
counters (19)	albuterol sulfate HFA 90 mcg/actuation aerosol inh.		Active	inhale 2 puff by inhalation route every 4 - 6 hour		12/01/2017 2 {puff}
	Qvar 80 mcg/actuation Metered Aerosol oral inhale		Active	inhale 2 puff by inhalation route 2 times every d		11/30/2017 2 (puff)
	Lipitor 20 mg tablet	Inactive	Active	take 1 tablet by oral route every day	10/17/2017	11/30/2017 1 {tbl}
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	Vyvanse 50 mg capsule	Inactive	Inactive	take 1 capsule by oral route every day in the mo		09/01/2013 1 {ca
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····	Abilify 20 mg tablet	Inactive	Inactive	take 1 tablet by oral route every day	11/06/2012	11/06/2012 1 {tbl}
	Sovaldi 400 mg tablet	Inactive	Inactive	take 1 tablet by oral route every day	11/26/2009	11/26/2009 1 {tbl}
mily History (7) 🛛 🗼 🚺	<ul> <li>Sovalol 400 mg tablet</li> <li>OxyContin 40 mg tablet, crush resistant, extended r</li> </ul>		Inactive	take 1 tablet by oral route every day take 1 tablet by oral route every 12 hours	02/24/2009	02/24/2009 1 {tbl}
mily History (7)	Crestor 40 mg tablet	Inactive	Inactive	take 1 tablet by oral route every 12 hours	02/24/2009	06/02/2009 1 {tbl}
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cial History (2) 🛛 🔺 🚺				take 1 tablet by oral route every day		
	Nexium 24HR 22.3 mg capsule,delayed release	Inactive	Inactive	take 1 capsule by oral route every day	04/09/2007	
••	Celebrex 400 mg capsule Symbicort 160 mcg-4.5 mcg/actuation HFA aeroso.	Inactive	Inactive	take 1 capsule by oral route every day	01/13/2005	
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	Viagra 100 mg tablet	Inactive	Inactive			06/29/2003 1 {tbl}
	Cialis 20 mg tablet	Inactive	Inactive	take 1 tablet by oral route every day inject 0.5 milliliter by subcutaneous route every	09/11/2002	09/11/2002 1 {tbl} 09/01/2000 0.5 mL
edical Equipment (4) 🗼 👬	Stelara 45 mg/0.5 mL subcutaneous syringe     Allergies	Inactive	Inactive	inject 0.5 mininter by subcataneous route every	Showing: All (10 of 10)	
yers (3)	Allergy Description (Criticality)	Onset Date		Reaction (Severity)	? Status When Generated	? Current Status
			Resolved Date		• • • • • • • • • • • • • • • • • • • •	
ason For Referral (1)	Wheat gluten extract	08/16/2017		nausea, pain (moderate)	Active	Active
••	soy	04/30/2017	05 104 100 17	hives (severe)	Active	Active
	A-ACETYLMANDELIC ACID	02/29/2016	05/31/2017	pruritic rash (mild)	No Longer Active	No Longer Active
ader	cow mik allergenic extract	07/02/2012	02/14/2017		No Longer Active	No Longer Active
••	peanut allergenic extract	02/15/2011	04/15/2015	anaphylaxis (severe)	No Longer Active	No Longer Active
	Wheat preparation	11/18/2009	10/08/2014	nausea, pain (moderate)	No Longer Active	No Longer Active
	Danis II.	04/05/2007		hims (source)		Antino

### Custom Viewer – Save Sections to Categories

- When hovering over the Save icon the user will see that they are creating a view of the document
- Views of the document can be saved to a specific category
- When Save is clicked the user is shown a screen to save the category
- Users can give a descriptive name and category for their view and click OK to save the view
- Once saved, the view will open and can be viewed later through the Category view in the EHR

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	Hemoglobin [Mass/volume] in Blood	12.5	g/mL	4.5 to 0.2 13 to 18	L	6/14/2016 2:34 PM	Final			Lab Reports So		
	Hematocrit [Volume Fraction] of Blood	41	%	40 to 52	N	6/14/2016 2:34 PM	Final			Dab Reports Sc		
	Leukocytes [#/volume] in Blood	105600	(cells)/uL	4300 to 10800	HH	6/14/2016 2:34 PM	Final			🗄 🕀 🛅 Laproscopy		
	Platelets [#/volume] in Blood	210000	(cells)/uL	150000 to 350000	N	6/14/2016 2:34 PM	Final			🗄 🕅 Uncategorized		
	Erythrocyte mean corpuscular volume [Entitic v.		fL.	80 to 95	N	6/14/2016 2:34 PM	Final			± X-Ray		
	Erythrocyte mean corpuscular hemoglobin [Enti		pg/{cell}	27 to 31	N	6/14/2016 2:34 PM	Final					
	Erythrocyte mean corpuscular hemoglobin conc		g/dL	32 to 36	N	6/14/2016 2:34 PM	Final					
	Erythrocyte distribution width [Ratio]	10.5	%	10.2 to 14.5	N	6/14/2016 2:34 PM	Final					
	Basophils [#/volume] in Blood	0.1	10*3/uL	0 to 0.3	N	6/14/2016 2:34 PM	Final					
	Basophils/100 leukocytes in Blood	0.1	%	0 to 2	N	6/14/2016 2:34 PM	Final		1			
	Monocytes [#/volume] in Blood	3	10*3/uL %	0.0 to 13.0	N	6/14/2016 2:34 PM	Final					
	Monocytes/100 leukocytes in Blood Ecsinophils (#/volume) in Blood	3	% 10*3/uL	0 to 10 0.0 to 0.45	N HH	6/14/2016 2:34 PM 6/14/2016 2:34 PM	Final		1			
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	Lymphocytes [#/volume] in Blood	41.2	10*3/uL	1.0 to 4.8	HH	6/14/2016 2:34 PM	Final					
	Lymphocytes/100 leukocytes in Blood	39	%	15.0 to 45.0	N	6/14/2016 2:34 PM	Final					
	Neutrophils (#/volume] in Blood	58	10*3/uL	1.5 to 7.0	нн	6/14/2016 2:34 PM	Final					
	Neutrophils/100 leukocytes in Blood	55	%	50 to 73	N	6/14/2016 2:34 PM	Final			<		
	Anisocytosis [Presence] in Blood	Present ++ out of ++++			A	6/14/2016 2:34 PM	Final		1			
	Hypochromia [Presence] in Blood	not detected			N	6/14/2016 2:34 PM	Final			My Practice		
		not detected			N	6/14/2016 2:34 PM	Final			All		
	Macrocytes [Presence] in Blood				N	6/14/2016 2:34 PM	Final					
	Macrocytes [Presence] in Blood	not detected										
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### Custom CDA Viewer – Discrete Data Import

- Imports can be done at the row level or section level.
- There are 4 icons available:
  - – The item is available to be imported
- $^{\bullet}$  – The item already exists in the EHR
  - <sup>a</sup> – The item was ignored
  - The item cannot be imported due to missing data

#### Sections which can be imported:

- Medications
- Meds Administered
- Allergies
- Problems
- Diagnosis Codes
- Procedures
- Immunizations
- Vital Signs
- Family History
- Social History
- Implantable Devices
- Lab Results Coming Soon!

### State & regional immunization registries

- New York State Immunization Information System (NYSIIS)
  - Standard immunization export (VXU)
    - Required COVID-19 related updates
  - Custom Query/Response (QBP) currently in beta with 2 clients
- New York Citywide Immunization Registry (CIR)
  - Immunization export (VXU)
  - Query/Response (QBP)

# BELIEVE IN BETTER.

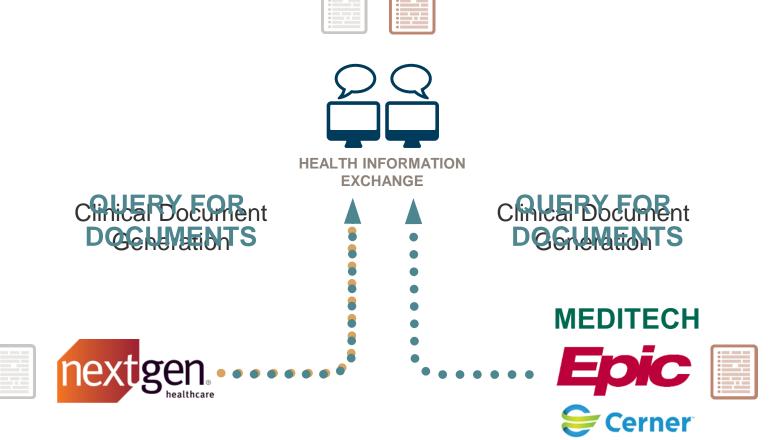


# **HIE Connectivity**

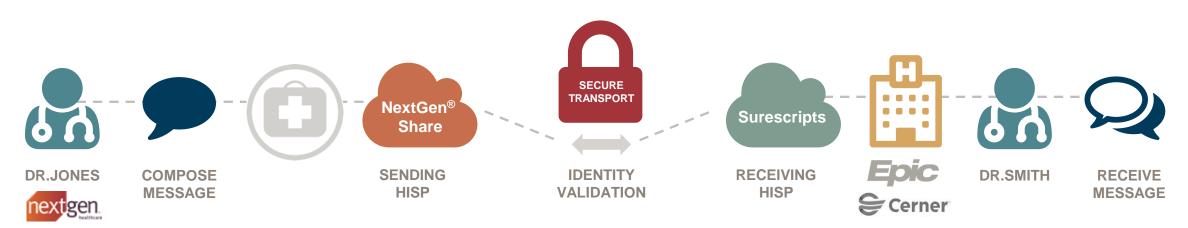
An interface which supports demographics and document exchange (CCD/C-CDA) with a Health Information Exchange (HIE)

#### **Benefits**

- Automation of data exchange
- Patient demographic synchronization
- Locked encounter document submission



# **Direct Messaging**



Real-time manual or automated push of data from NextGen EHR to any downstream EHR.

#### **Benefits**

- Ability to send structured & unstructured data
- Supports provider-to-provider, provider-to-organization messaging
- Access to the largest searchable provider directory with 2.1 million recipients

# **Carequality & Surescripts**



Patient discovery

Do you have a record for

John Smith, M (12/07/81)?

Provides the ability to query and retrieve patient data from any other Carequality connected system.

#### **Benefits**

- Automation of data exchange
- Notification of new document availability from 3<sup>rd</sup> party systems
- Ability to preview documents prior to import
- Clinical data reconciliation

Patient discovery response Yes, I have 1 record for John Smith, M (12/07/81)



Document retrieval response

Here is the record for John Smith, M (12/07/81) **Document Retrieval** Can I have the record for John Smith, M (12/07/81)?

# **NEDEN** INTEROPERABILITY

EMR/EHR | PRACTICE MANAGEMENT | PATIENT ENGAGEMENT | TELEHEALTH

**PMEDENT** 

MEDENT M

ractice Management 🔍 🗘	Medical Records 🔍
Patient Info	Chart Central
Patient Chart	Message Central
Appointments	Patient Info
Office Appointments	Patient Chart
Post	Hospital Rounds
Ledger Card	$\equiv$ Prescriptions
Charges	$\equiv$ Lab Orders
rtopost	≡ X-rays / Orders / Therapy
onal Payments	Immunizations / Injections
nce Payments	$\equiv$ Documents
	Faxing
Claims	≡ Triage / Todo
	Workers' Comp Forms: C4Auth, Ohio BWC
	Electronic Interfaces
	≡ DM / HM / Medical Reports
	≡ Preferences
	$\equiv$ Medical Records Setup



## **MEDENT SPEAKERS**





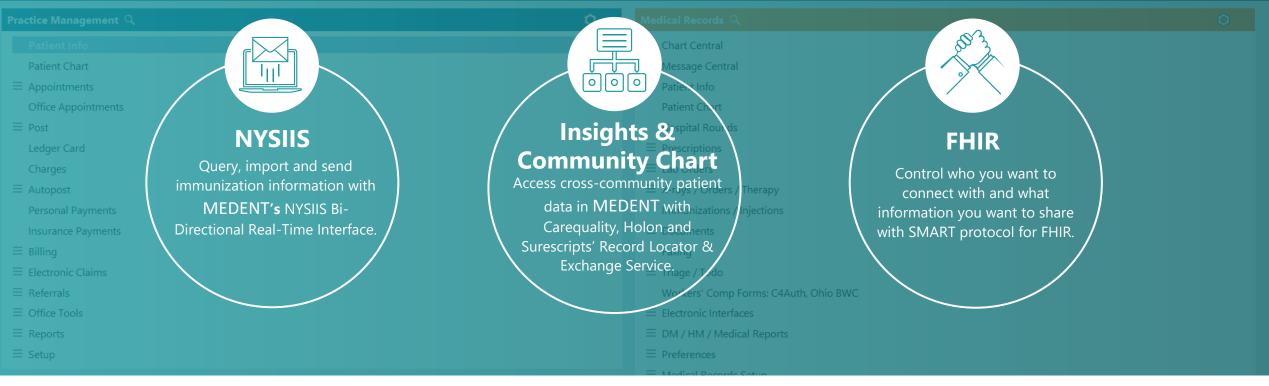




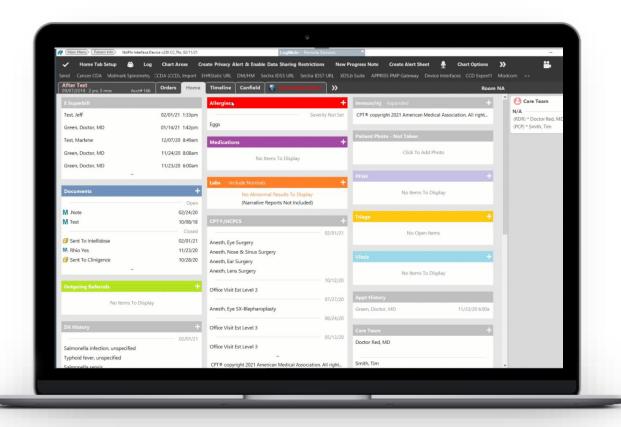
#### AGENDA

## **MEDENT INTEROP FEATURES**

### **MEDENT**



80



#### QUERY & IMPORT

# NYSIIS Bi-Directional Real-Time Interface

Users can now query NYSIIS from the immunization/injection area of MEDENT.

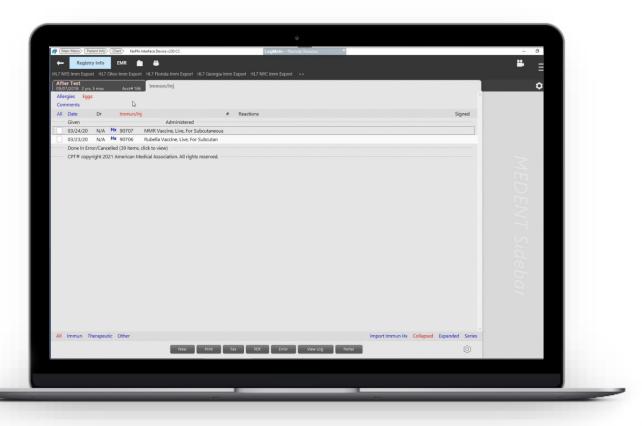
When the registry responds, users can check the box next to the immunization and click "Import" to add it to the patient's chart.

#### SEND & SUBMIT

# NYSIIS Bi-Directional Real-Time Interface

Users can also send immunization information to NYSIIS.

Simply enter the immunization as usual, click on "Administered" and exit. The immunization information will automatically export to NYSIIS behind the scenes.





•••		ane Smith 18.84/17/1945 Age 78 29 Patient Risk Score (1	0 <u>)</u>		
	4 Care Gape	10 Coding Gaps	2 Alerts		
	Care Gaps				
		Blood Pressure > 1 yr or Not Documented Blood Pressure > 1 yr or Not Documented			
		Retinal Exam > 1 yr or Not Documented Retinal Exam > 1 yr or Not Documented			
	Not Docum	Influenza Vaccination > 1 yr or Not Documented Influenza Vaccination > 1 yr or Not Documented			
	w/Asprin >	ascular Disease 1 yr or Not Rx cular Disease w/Aaprin >	1 yr or Not Rx		

# HOLON

### "Insights" ribbon

As soon as a patient's chart is opened, Insights mines patient data and feeds providers relevant, patient-specific information. This helps providers make more informed treatment decisions and removes administrative burden.

# **COMMUNITY CHART**

### Carequality

Carequality Interoperability Framework

Cross-Community Patient Discovery & Cross-Community Access

New Progress Note Chart Are nd + Portal Msg Consent, Create	as Create A ePA Patient	l <b>lert Sheet                                    </b>	<b>My Chart Tab Setup</b> I DM/HM List C	Chart Opt	i <b>ons 🤐 阶</b> Address) Video Vi		New FHIR Incoming Request ESB - Open =
C <b>are Test</b> 5/05/1985 33 yrs Acct # 990	My Chart	Portal Messaging	Orders New Ta		ommunity Chart	»	Room N
Documents	+	Medications		+	Patient Photo		
FHIR Consent Adult	- Closed 11/09/18	No	Items To Display			Click To Ac	ld Photo
Problem List	+	Labs -Include N		+	Allergies		+
No Items To Display		No Abnormal Results To Display (Narrative Reports Not Included)				No Items T	o Display
Dutgoing Referrals	+	E Superbill			PFSH		+
No Items To Display		No	Items To Display			No Items T	o Display
Patient Portal		Advanced Directiv			Vitals		+
Patient Forms Sent To Portal		No	Items To Display			No Items To Display	
History Items Not Imported Portal Activity Log		CPT®/HCPCS		+	Chart Areas		
Has Never Logged In		CPT® copyright 201		Therapy/Exercise Log			

### Surescripts

Record Locator and Exchange Service

Cross-Community Patient Discovery & Patient Location Query

84

# **carequality**

The MEDENT Carequality Interface enables a widespread exchange of health information, providing a national-level, consensus-built, common interoperability framework that connects providers across health data sharing networks.

### **car**equality







# **Surescripts**

#### **Record Locator & Exchange**

#### **Community Access**

Gives providers access to clinical history of more than 258 million patients across the nation.



#### **Patient Discovery**

Pulls 12 months of data from more than 600,000 providers, 25,000 clinics and 1,250 hospitals.



Provides a complete, accurate view of a patient's clinical history and notifies primary care physicians of any new hospital or emergency room visits.

# **HIEs, RHIOs & FHIR**



#### Health Information Exchange (HIE) Regional Health Information Organization (RHIO)

MEDENT practices can submit to multiple HIEs/RHIOs. Simply work with our Interoperability Department to get the process started!



#### **Fast Healthcare**

#### **Interoperability Resources (FHIR)**

Within MEDENT, connections via Substitutable Medical Apps and Reusable Technology (SMART) on FHIR will give users control over who they want to connect with and what information they want to share.

# KEY TAKEAWAYS

Patient II Patient Ch ⇒ Appointm Office App ⇒ Post Ledger Ca Charges ⇒ Autopost Personal P

#### NYSIIS

Query, Import & Submit immunization/injection information with the NYSIIS Bi-directional Interface.

**Community Chart** 

Locate and import vital

patient health information

from outside systems with

Carequality and Surescripts.

#### **Insights with Holon**

Make more informed treatment decisions by accessing relevant patient health data from other communities.

> Eaxing Triage / Todo

#### HIE, RHIO & FHIR

Control who you want to connect with and what information you'd like to share with SMART protocol.

# **QUESTION & ANSWER**

#### CONNECT



15 Hulbert St., Auburn, NY 13021





communications@medent.com

www.medent.com



EMR

🦪 @MEDENTEMR



@MEDENTEMR

### **EHR PANEL: FACILITATED DISCUSSION AND Q&A**

# eClinicalWorks

"Improving Healthcare Together"



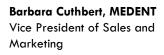
Farah Saeed, eCW Muhammed Chebli, NextGen Interoperability Sales and Business Development Vice President of Solutions





Heather Vile, NextGen Interoperability Project Manager

Margot Hultz, MEDENT Interoperability Team Leader







# Take a Quick Break

Please return in 10 minutes

The Gravity Project: Consensus-driven Standards on Social Determinants of Health

Evelyn Gallego, MBA, MPH, CPHIMS

CEO Of EMI Advisors, Gravity Program Manager







The Gravity Project: Consensus-driven Standards on Social Determinants of Health

# CHCANYS Interoperability Workshop

## February 25, 2021

Evelyn Gallego, EMI Advisors LLC, Gravity Program Manager



### Agenda

- Background (WHY)
- Project Scope (WHAT)
- Accomplishments & Success Factors
- How to Engage



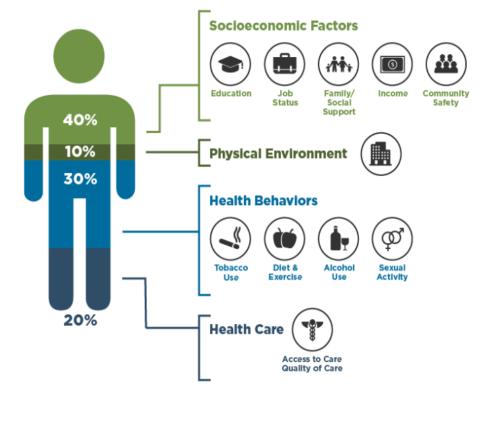


### Why Social Determinants of Health (SDOH) are Important

There is broad consensus that SDOH information improves whole person care and lowers cost. Unmet social needs negatively impact health outcomes.

- Food insecurity correlates to higher levels of diabetes, hypertension, and heart failure.
- Housing instability factors into lower treatment adherence.
- **Transportation barriers** result in missed appointments, delayed care, and lower medication compliance

#### What Goes Into Your Health?



Source: Institute for Clinical Systems Improvement, Going Beyond Clinical Walls: Solving Complex Problems (October 2014)

Adapted from The Bridgespan Group





### Challenges in SDOH Data Capture and Exchange

- Consent Management
- Standardization of SDOH Data Collection and Storage
- Data Sharing Between Ecosystem Parties
- Access & Comfort with Digital Solutions
- Concerns about Information Collection and Sharing
- Social Care Sector Capacity and Capability
- Unnecessary Medicalization of SDOH

https://www.nasdoh.org/wp-content/uploads/2020/08/NASDOH-Data-Interoperability\_FINAL.pdf



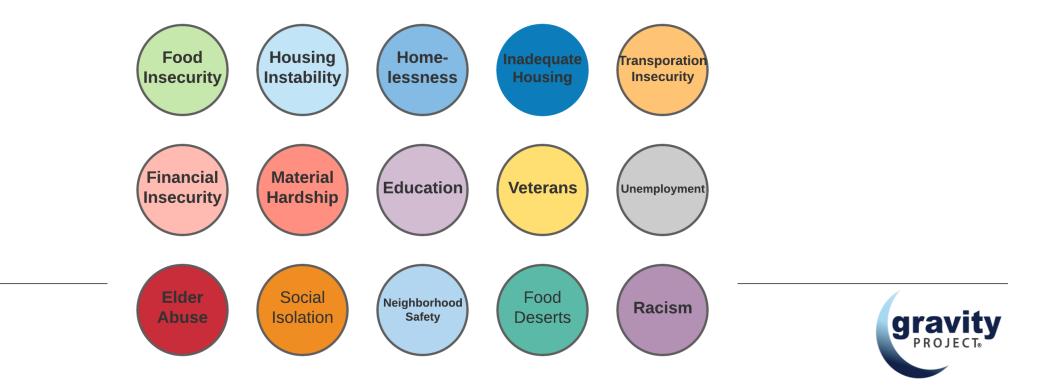


### Enter the Gravity Project...

International

### Goal

Develop consensus-driven data standards to support use and exchange of social determinants of health (SDOH) data within the health care sectors and between the health care sector and other sectors.



### **Project Scope**

In May 2019, the <u>Gravity Project</u> was launched as a multi-stakeholder public collaborative with the goal to develop, test, and validate standardized SDOH data for use in patient care, care coordination between health and human services sectors, population health management, public health, value-based payment, and clinical research.

The Gravity Project was initiated by the Social Interventions Research and Evaluation Network (SIREN) with funding from the Robert Wood Johnson Foundation and in partnership with EMI Advisors LLC.

**Gravity Project Scope:** Develop data standards to represent patient level SDOH data documented across four clinical activities: screening, assessment/diagnosis, goal setting, and treatment/interventions.





### SDOH Interoperability Glide Path

**HL7 FHIR Accelerator:** In August 2019, Gravity officially joined the HL7 FHIR Accelerator Program and balloted the first HL7 SDOH FHIR IG in Dec. 2020.

Public Collaboration: Gravity has convened over 1,500+ participants from across the health and human services ecosystem from clinical provider groups, community-based organizations, standards development organizations, federal and state government, payers, and technology vendors.





Public Workgroup Meets bi-weekly Thursdays 4 to 5:30 PM ET <u>https://confluence.hl7.org/pages/viewpage.action?pageId=91996855#TheGravityProje</u> ct-UpcomingGravityProjectMeeting



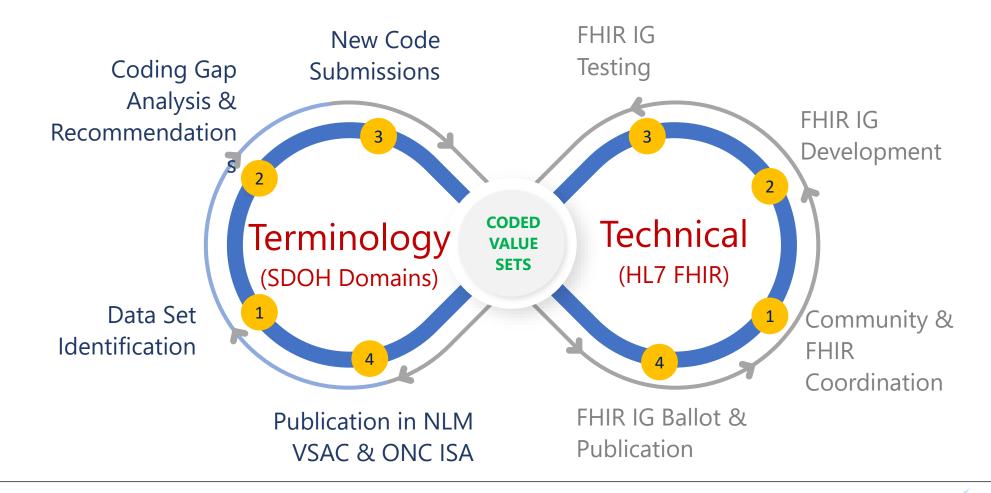
### Gravity Project Sponsorship (Financial & In-Kind)



International

https://confluence.hl7.org/display/GRAV/Gravity+Project+Sponsors

### Gravity Overview: Two Streams





# **Terminology Workstream**

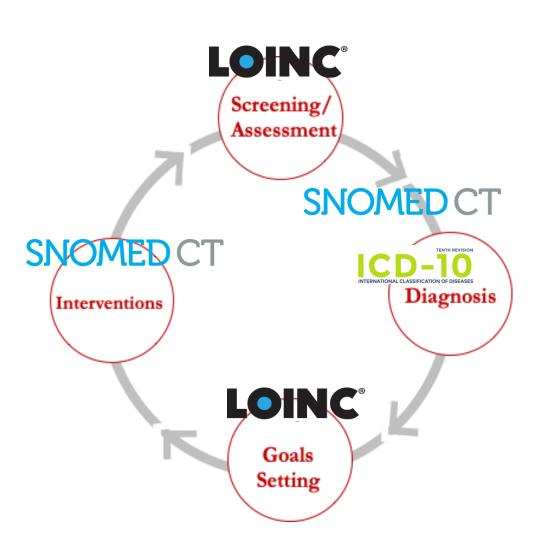




### Terminology Workstream

### **Data Element and Ensuring Gap Analysis**

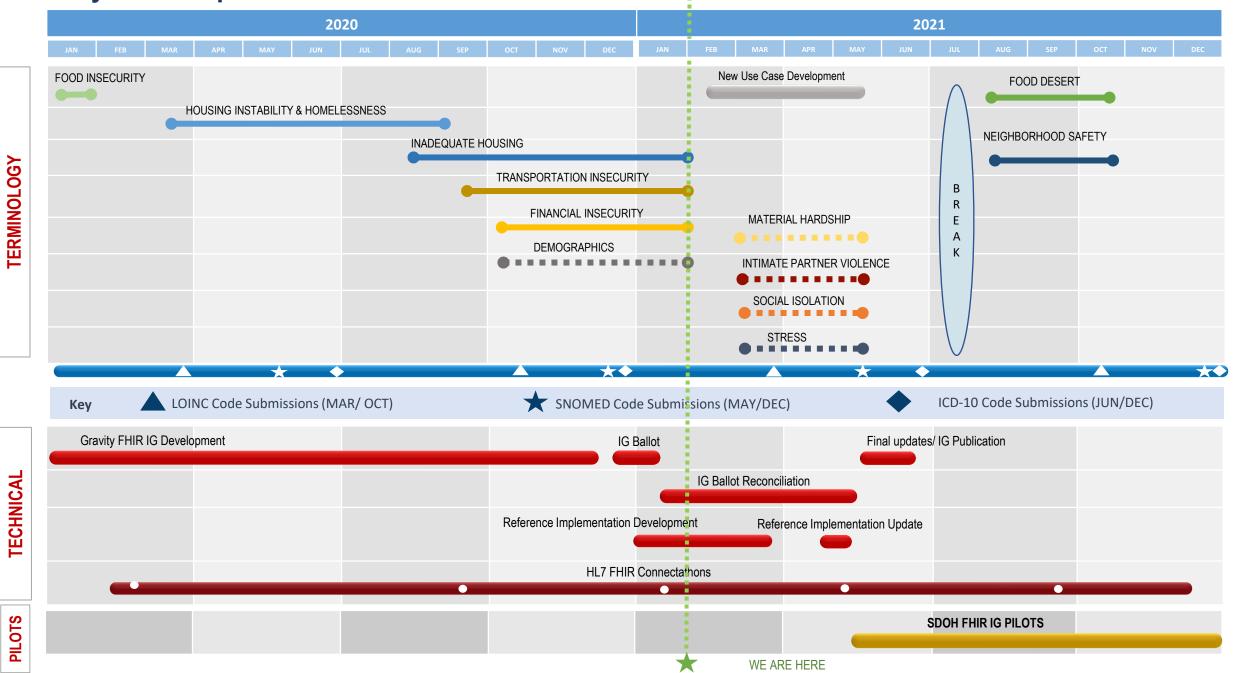
- All data is sorted across four activities into a master set.
- For data within each domain, we ask:
  - What concepts need to be documented across the four activities?
  - What codes reflecting these concepts are currently available?
  - What codes are missing?







### **Gravity Roadmap**



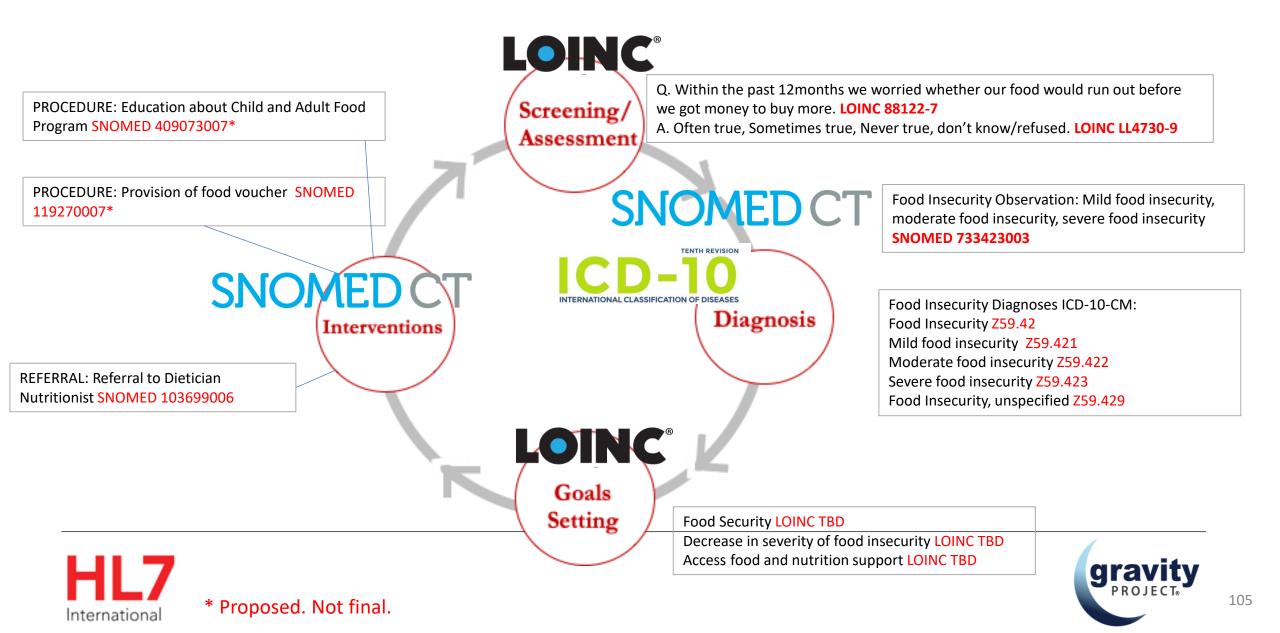
### **Terminology Stream Status**

Domain	Terminology IdentificationPlanGatherReviewFinalize				<b>Code Sub</b> Submit	<b>mission</b> Finalize	Value Set Publication	Complete (
Food Insecurity								Partially C (+50%)
Housing Instability/ Homelessness								- Not Comp (0%)
Inadequate Housing								
Transportation Insecurity								
Financial Strain								
Demographics								





# Food Insecurity Terminology Build



### Where to find Published Gravity Data Sets & Coding Submissions?



#### https://confluence.hl7.org/display/GRAV/Terminology+Workstream+Dashboard



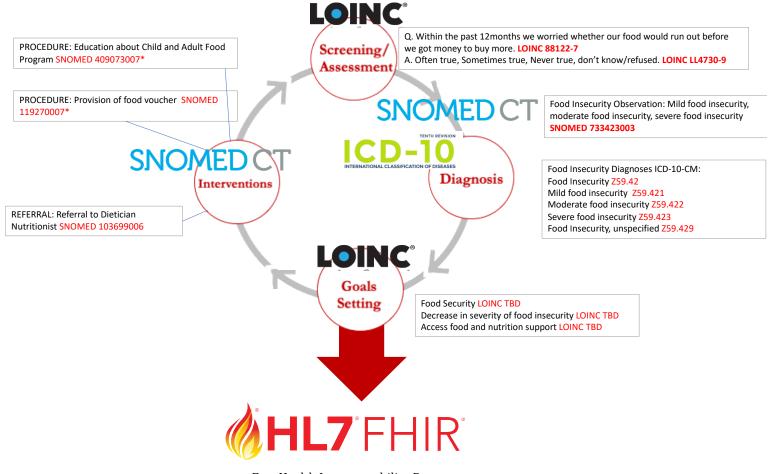


# **Technical Workstream**





### Accelerating Adoption Using Nationally Recognized Standards



Fast Health Interoperability Resource





## Technical Stream – SDOH Clinical Care FHIR Implementation Guide

- This is a framework Implementation Guide (IG) and supports multiple domains
- 2. IG support the following clinical activities
  - Assessments
  - Health Concerns / Problems
  - Goals
  - Referrals
  - Consent
  - Aggregation for reporting
- 3. Completed January 2021 ballot as a Standard for Trial Use Level 1 (STU1)

https://build.fhir.org/ig/HL7/sdoh-cc/

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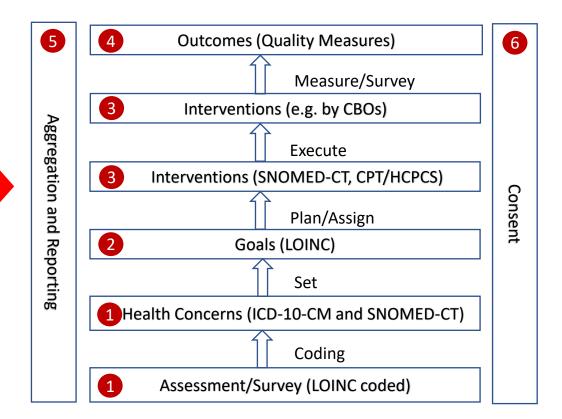




## Gravity FHIR SDOH Clinical Care Implementation Guide Scope

#### **Use Cases**

- 1 Document SDOH data in conjunction with the patient encounter
- 2. Set SDOH related goals.
- 3 Establish interventions to completion.
- 4 Measure outcomes.
- 5 Gather and aggregate SDOH data or uses beyond the point of care (e.g. population health management, quality reporting, and risk adjustment/ risk stratification).
- 6 Manage patient consent



http://build.fhir.org/ig/HL7/fhir-sdoh-clinicalcare/





## What's Next?

- Continue to engage with NLM, Regenstrief and other stakeholders to advance tooling
- Continue to engage the community to establish the clinical content required for multiple SDOH domains
- Continue to advance the development of the Reference Implementation
- Respond to January 2021 ballot comments
- Begin Gravity Pilots Design for Summer 2021 Start
- Please join us at the Gravity SDOH FHIR IG Workgroup Calls every Wednesday from 3 to 4 pm ET
  - <u>https://confluence.hl7.org/display/GRAV/FHIR+IG+Work+Group+Meetings</u>





# **Accomplishments & Success Factors**

- January 2020: Completed food insecurity coding gap analysis and recommendations.
- March 2020: Launched housing instability domain.
- May June 2020: Submitted new code applications for food insecurity to the coding stewards. Tested draft HL7 FHIR SDOH Implementation Guide (IG) at two FHIR Connectathons; achieved 1st place status in competition.
- September 2020: Tested HL7 FHIR SDOH IG at FHIR Connectation; launched Transportation and Inadequate Housing Domains; completed Housing Instability & Homelessness data set.
- October 2020: Launched financial strain and demographics domains in parallel; submitted SDOH Data Class Application to ONC USCDI
- December 2020: Presented new ICD-10 codes for ICD-10 2021 review cycle; submitted FHIR SDOH IG for the January 2021 HL7 ballot cycle; began build of Reference Implementation.
- January 2021: Gravity standards included in CMS State Health Official (SHO) Medicaid guidance and in ACL Social Referrals Challenge Grant submissions; publish final data sets for Transportation, Financial Strain, Demographics status; began FHIR IG ballot reconciliation; tested FHIR IG at the HL7 FHIR Connectathon.

- POLICY: (e.g. ONC USCDI, CMS Promoting Interoperability, State Medicaid Director Letters)
- PAYMENT MODELS: (e.g. CMMI SDOH Model)
- PROGRAMS: (e.g. Medicare Advantage, Medicaid Managed Care, Hospital QRRP, MIPS).
- GRANTS: (e.g. ACL Challenge Grant, ONC Health IT LEAP, RWJF SDOH Integration in Clinical Care).
- PRACTICE: (e.g. repeatable process for adoption, implementation, and use of SDOH data at practice level.
- INNOVATION: New tools for capture, aggregation, analytics, and use.

## Policy Integration: Gravity USCDI Submission

- The Gravity Project formally made a submission to the ONC U.S. Core Data for Interoperability (USCDI) version 2 in October 2020.
- Submission available here: https://confluence.hl7.org/displ

ay/GRAV/Gravity+Project+USCD

I+Submission



In addition to "Comment" and "Level 1" criteria, Level 2 data elements demonstrate extensive existing use in systems and exchange between systems, and use cases that show significant value to current and potential users. These data elements would clearly improve nationwide interoperability. Any burdens or challenges would be reasonable to overcome relative to the overall impact of the data elements.



states-core-data-interoperability-uscdi



## Policy Integration: CMS State Health Official Letter

- On January 7<sup>th</sup>, CMS released guidance for states on opportunities under Medicaid and CHIP to address SDOH.
- The guidance acknowledges that states can leverage Medicaid resources to support data integration and data sharing for SDOH initiatives.
- States are required to design technical infrastructure for Mechanized Claims Processing, Information Retrieval Systems, and care coordination hubs that are **interoperable** with human services programs, HIEs, and public health agencies, as applicable.
- States are encouraged to review ISA SDOH standards and review and participate in the Gravity Project.

DEPARTMENT OF HEALTH & HUMAN SERVICES Centers for Medicare & Medicaid Services 7500 Security Boulevard, Mail Stop 52-26-12 Baltimore, Maryland 21244-1850	CENTER FOR MEDICALD & CHIP SERVICES
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SHO# 21-001 **RE:** Opportunities in Medicaid and CHIP to Address Social Determinants of Health (SDOH)

January 7, 2021 Dear State Health Official:

The purpose of this State Health Official (SHO) letter is to describe opportunities under Medicaid and CHIP to better address social determinants of health (SDOH)1 and to support states with designing programs, benefits, and services that can more effectively improve population health, reduce disability, and lower overall health care costs in the Medicaid and CHIP programs by addressing SDOH. This letter describes: (1) several overarching principles that CMS expects states to adhere to within their Medicaid and CHIP programs when offering services and supports that address SDOH; (2) services and supports that are commonly covered in Medicaid and CHIP programs to address SDOH; and (3) federal authorities and other opportunities under Medicaid and CHIP that states can use to address SDOH. A table that summarizes the information on key federal authorities for addressing SDOH is also included in an appendix.

Medicaid and the Children's Health Insurance Program (CHIP) provide health coverage to over 76 million low-income Americans, including many individuals with complex, chronic, and costly care needs. Many Medicaid and CHIP beneficiaries may face challenges related to SDOH, including but not limited to access to nutritious food, affordable and accessible housing, convenient and efficient transportation, safe neighborhoods, strong social connections, quality education, and opportunities for meaningful employment. There is a growing body of evidence that indicates that these challenges can lead to poorer health outcomes for beneficiaries and higher health care costs for Medicaid and CHIP programs and can exacerbate health disparities for a broad range of populations, including individuals with disabilities, older adults, pregnant and postpartum women and infants, children and youth, individuals with mental and/or substance use disorders, individuals living with HIV/AIDS, individuals living in rural communities, individuals experiencing homelessness, individuals from racial or ethnic minority populations





<sup>1</sup> The Centers for Disease Control and Prevention (CDC) refers to SDOH as "conditions in the places where people live, learn, work, and play that affect a wide range of health risks and outcomes." See https://www.cdc.gov/socialdeterminants/about.html for CDC information on SDOH, including research on the impact of SDOH on health outcomes and health care costs. Healthy People 2030, which is managed by the Office of Disease Prevention and Health Promotion in the U.S. Department of Health and Human Services (HHS), uses a place-based framework that highlights the importance of addressing SDOH. Healthy People 2030 was released in 2020 and sets data-driven national objectives to improve health and well-being over the next decade. Healthy People 2030 SDOH objectives can be found here

# How to Engage!





## Join our Project!

- Join the Gravity Project: <u>https://confluence.hl7.org/display/GRAV/Join+the+Gravity+Project</u>
  - Public Collaborative Workgroup meets bi-weekly on Thursdays' 4:00 to 5:30 pm ET
  - SDOH FHIR IG Workgroup meets weekly on Weds. 3:00 to 4:00 pm ET
- Help us find new sponsors and partners
- Give us feedback on the Data Principles: <u>https://confluence.hl7.org/display/GRAV/Gravity+Data+Principles</u>
- Submit SDOH domain data elements (especially for Interventions): <u>https://confluence.hl7.org/display/GRAV/Data+Element+Submission</u>
- Help us with Gravity Education & Outreach
  - Use Social Media handles to share or tag us to relevant information
    - 🈏 @the gravityproj
    - in <a href="https://www.linkedin.com/company/gravity-project">https://www.linkedin.com/company/gravity-project</a>
  - Partner with us on development of blogs, manuscripts, dissemination materials





## **Questions?**

Evelyn Gallego evelyn.gallego@emiadvisors.net Twitter: @egallego LinkedIn: linkedin.com/in/egallego/ Additional questions? Contact: gravityproject@emiadvisors.net



@thegravityproj
 <u>https://www.linkedin.com/company/gravityproject</u>





## Interoperability Matters: Data Usability Workgroup

**Didi Davis** 

Vice President of Informatics, Conformance & Interoperability at the Sequoia Project









## Interoperability Matters: Data Usability Workgroup CHCANYS Interoperability Workshop

#### Didi Davis, VP, Informatics, Conformance & Interoperability

February 25, 2021





#### Agenda

- Background: The Sequoia Project
- Interoperability Matters Cooperative
  - Information Blocking Workgroup
    - Actor/Community Subgroups
  - Data Usability Work Group
  - Emergency Preparedness Information Work Group
- How to Engage



#### The Sequoia Project's Role

The Sequoia Project is a trusted, independent convener of industry and government.

Supports multiple independent initiatives, each with their own mission, governance, membership and structure.





#### **Current Sequoia Project Initiatives**



**PULSE** is a system which provides disaster healthcare volunteers access to information to treat individuals injured or displaced by disasters

RSNA Image Share

RSNA Image Share Validation Program is an interoperability testing program to enable seamless sharing of medical images

Interoperability Matters

Interoperability Matters is an interoperability leadership engagement forum focused on solving practical challenges



#### Sequoia Previously Launched Two Successful Endeavors:



eHealth Exchange is a

nationwide public-private health information network

carequa

Carequality operates a nationwide interoperability framework to link health information networks



### Interoperability Testing Tooling

- The community has developed a large body of test cases, data, and conformity assessment tools that are open source
- Designed to ensure interoperability and assure compliance and minimal implementation
- The Sequoia Project has collaborated on the development of testing tools with <u>IHE International</u>, <u>IHE Services</u>, and <u>NIST</u> to support our <u>Sequoia</u>, <u>RSNA</u> and <u>eHealth Exchange</u> validation testing programs
- Battle-hardened by years of operations and productized into the new Sequoia Interoperability Testing Platform (ITP)













## Sequoia Project RCE Role

#### https://rce.sequoiaproject.org



"[T]he National Coordinator shall convene appropriate public and private stakeholders to **develop or support** a **trusted exchange framework** for trust policies and practices and for a **common agreement** for exchange between health information networks." [emphasis added]

Sequoia was selected as the Recognized Coordinating Entity to work with the Office of the National Coordinator for Health IT (ONC) to implement the Trusted Exchange Framework and Common Agreement (TEFCA)



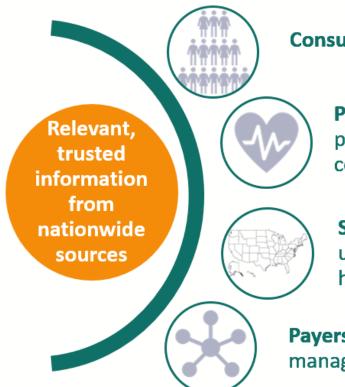
#### **RCE** Disclaimer

This project is supported by the Office of the National Coordinator for Health Information Technology (ONC) of the U.S. Department of Health and Human Services (HHS) under 90AX0026/01-00 Trusted Exchange Framework and Common Agreement (TEFCA) Recognized Coordinating Entity (RCE) Cooperative Agreement.

This information or content and conclusions are those of the author and should not be construed as the official position or policy of, nor should any endorsements be inferred by ONC, HHS or the U.S. Government.



#### **Benefits of TEFCA**



Consumers: Access, share and control their own records

**Providers and health systems:** Obtain complete picture of care across all settings to improve care and coordination with fewer connection points

**State programs and public health:** Enhance understanding of health metrics, ease burden of public health reporting and program management

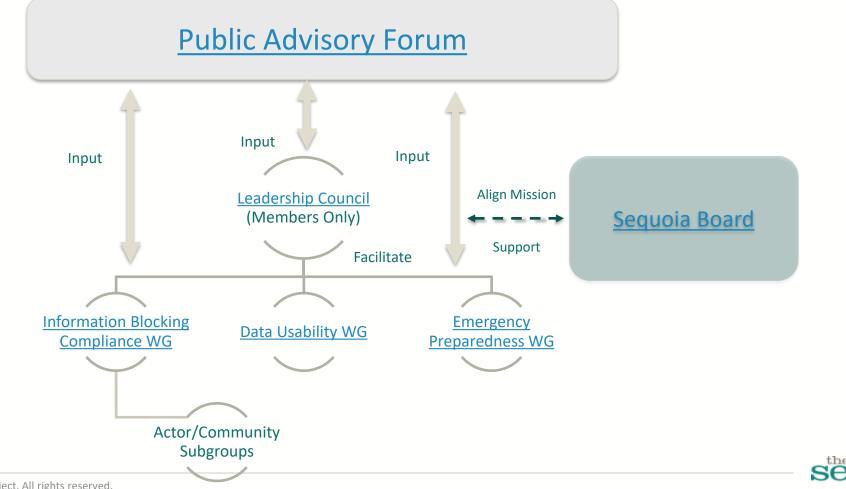
**Payers:** Get and share data needed for care management, value-based care, etc.



### Interoperability Matters Cooperative



#### **Interoperability Matters Structure**

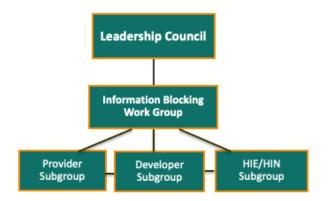


project

### Information Blocking Subgroups – Purpose and Scope

- Purpose
  - Working discussions and drill down into specific issues by "actor" community
- Scope
  - Each Subgroup will have flexibility to focus on issues of greatest interest/ relevance
- Composition
  - 12-15 members (including Chair) from primary actor community
  - Mix of actor (2/3) and other stakeholders (requesters, payers, SMEs)
  - Reflect "demographics" of actor

- Activities and Deliverables
  - Monthly meetings
  - Findings and recommendations
  - Guidance/best practices
  - Questions for ONC, OIG, etc.
  - Collaborate with other Subgroups, as appropriate
  - Presentation by Subgroup Chairs of deliverables and recommendations to Workgroup at its bi-monthly meetings (and Leadership Council as applicable)





### Information Blocking Compliance Support: Tools & Training

#### **Boot Camp**

- 1<sup>st</sup> Boot Camp
  - More than 300 people from 60+ organizations
  - Addressed more than 900 questions
  - Online Forum: <a href="https://sequoiaproject.org/community/">https://sequoiaproject.org/community/</a>
- 2<sup>nd</sup> Boot Camp launched January 20, 2021
  - ~150 people from 48 organizations
  - 2 classes and 1 office hours to-date
  - Information Blocking Boot Camp The Sequoia Project





#### Interoperability Matters - Data Usability Workgroup



David Camitta, Co-chair CommonSpirit Health



Bill Gregg, Co-chair HCA Healthcare



#### Meeting Logistics and Timeline

- Meeting Schedule
  - Ongoing calls: Weekly, Thursday 3:00-4:00pm ET
  - <u>https://sequoiaproject.org/interoperability-matters/data-usability-workgroup/</u>
- Process & Timeframe



#### WEBINAR

#### Workgroup Meetings, Thursdays at 3:00 p.m. ET

For phase 1, the workgroup will meet each Thursday at 3:00 p.m. ET beginning October 29, 2020 through March 2021. We will strive to post the meeting materials for each meeting the day before, and upload meeting recordings within 24 hours.





#### Purpose

- Develop specific and pragmatic implementation guides on clinical content for healthcare stakeholders to facilitate health information exchange.
- Cover identified priority use cases, that are readily adoptable by health information exchange vendors, implementers, networks, governance frameworks, and testing programs.
- Target improvements necessary to enable semantic interoperability of health information to improve the usability of data received by end users within their workflows.
- Build on existing work (e.g. C-CDA Templates, ONC, USCDI V1, joint Carequality-CommonWell Document Content Workgroup) and coordinate with related SDOs and industry initiatives
  - JDCWG 2020 Priority Work Items remaining from 2.0 guide
  - JDCWG Draft 2.0 Guide



#### Scope and Key Deliverables

- Develop three implementation guides focusing on data quality and addressing each of the following high-level use cases:
  - Provider-to-provider health information exchange
  - Provider-to-Public Health Agency information exchange
  - Healthcare entity-to-consumer information exchange
- Initial focus will be identifying priority elements to address in each implementation guide.
  - <u>Folder</u> for workgroup documentation
  - Data Usability Workgroup Work Item Proposal Template
  - Use Case Pain Point Gathering 2020-2021 Priority Work Items
- Limit each implementation guide to a set of recommendations that is reasonable for a technology provider to address in one major software version cycle (e.g. 18 months).



#### Workgroup Members





### Emergency Preparedness Information Work Group



#### **Key Deliverables**

The workgroup's initial operating scope will be to prioritize concepts and challenges where the members can utilize their backgrounds and experiences to bring about meaningful impact at the state and national level.

Deliverables will include:

- 1. Lessons learned from response to the COVID pandemic as it relates to Health IT and interoperability; this might include policy and regulatory challenges, data quality and availability and privacy
- 2. Key concepts and items to consider to improve disaster response utilizing technology innovations and best practices across states, HIEs, HINs and partners
- 3. Create a Community of Practice where Public Health, Medicaid and other state agencies/entities, etc and federal partners can discuss innovations and blockers to those innovations



#### Interoperability Matters Meeting Schedule

Meetings	Cadence	Day	Time	Upcoming Meetings
Leadership Council	Bimonthly	2nd Wednesday	1:00-2:00pm ET	4/14/2021
Public Advisory Forum	Quarterly	3rd Thursday	2:30-3:30pm ET	4/20/2021
Work Groups				
Information Blocking Compliance Work Group	Bimonthly	2nd Friday	12:00-1:30pm ET	2/12/2021
HIN/HIE Subgroup	Monthly	2nd Monday	2:00-3:30pm ET	2/8/2021
Health IT Developer Subgroup	Monthly	3rd Monday	3:30-5:00pm ET	2/15/2021
Healthcare Providers Subgroup	Monthly	4th Wednesday	12:00-1:30pm ET	2/24/2021
Emergency Preparedness Work Group	Monthly	3rd Monday	2:00-3:00pm ET	3/15/2021
Data Usability Work Group (Phase 1)	Weekly	Thursday	3:00-4:00pm ET	2/11/2021





## **Questions/Thank You!**



For more information: <u>www.sequoiaproject.org</u>

Twitter: @sequoiaproject

LinkedIn: <a href="https://www.linkedin.com/company/the-sequoia-project/">https://www.linkedin.com/company/the-sequoia-project/</a>



# Please share your feedback using the survey link in the chat, the QR code below, or the link in the follow up email!







# Thank you for joining us today!

