



### NORTH CAROLINA HEALTH INFORMATION EXCHANGE AUTHORITY

June 18, 2024 Advisory Board Meeting



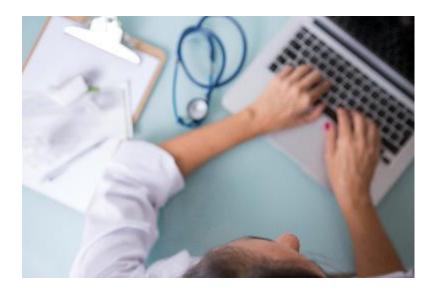


# Welcome & Call to Order



## North Carolina Health Information Exchange Authority

### **Overview of Topics**



- NC HIEA Operations Update
- Legislative Update
- Updated Research Policy
- Update on Medicaid Workstreams
- Upgrade Update and Clinical Viewer Demo
- New 42 CFR Part 2 Rule
- Participation and Data
- Health Data Utility Update
- New Business







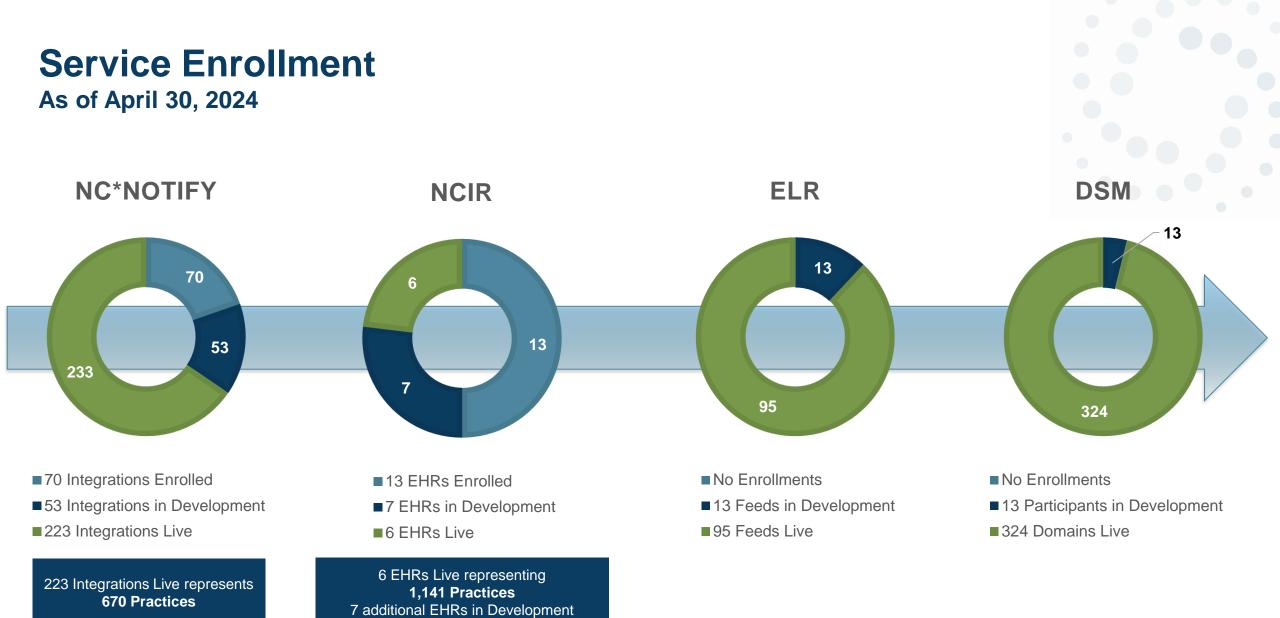
## **Operations Updates:**

1. Metrics

2. Budget & Contracts

3. Staff





NC HealthConnex Powering Health Care Outcomes

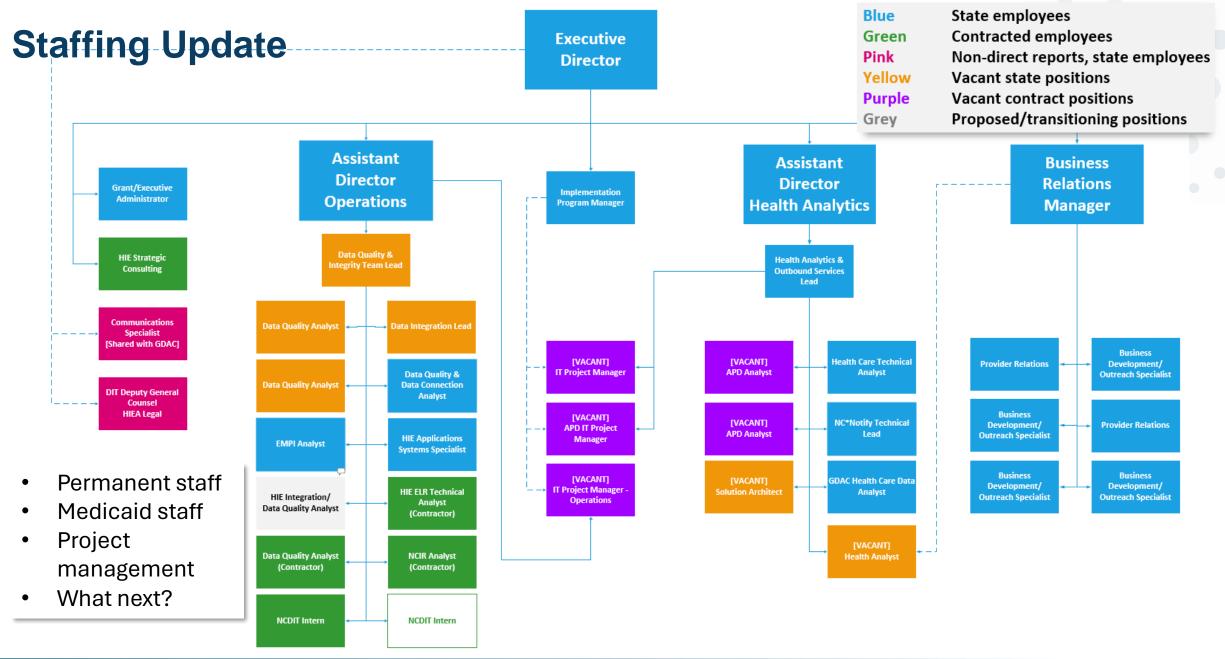
## **Budget & Contract Update**

- State Fiscal Year Ends June 30
- General Fund appropriation for FY24-25 is:
  - Base Appropriation: \$13,384,204
  - *New Appropriation:* +\$2,200,000
  - <u>Nonrecurring:</u> +\$3,800,000
  - Total = \$19,384,205



- In April and May, the NC HIEA amended existing MOUs with Medicaid and DPH to receive additional funding in relation to services performed for Medicaid and public health. Total value of these MOUs for FY24-25 is: ~\$6m
- SAS contract:
  - · Three addenda executed this month
  - Discussing transitioning provider connections from time and materials to deliverables-based
  - Notify+ procurement









## **Legislative Update**





## **Research Policy Update**



## Draft Update: SECTION 12: ACCESS TO DATA FOR RESEARCH

- Permitted Research Purposes set out in N.C. Gen. Stat. 90-414.4(a) and N.C. Gen. Stat. 90-414.2
- Limited Scope patient/provider organization relationship
- Use Case Workgroup Process application, evaluation, presentation, review and decision
- Draft to be sent out to the board





## Update on Medicaid Workstreams

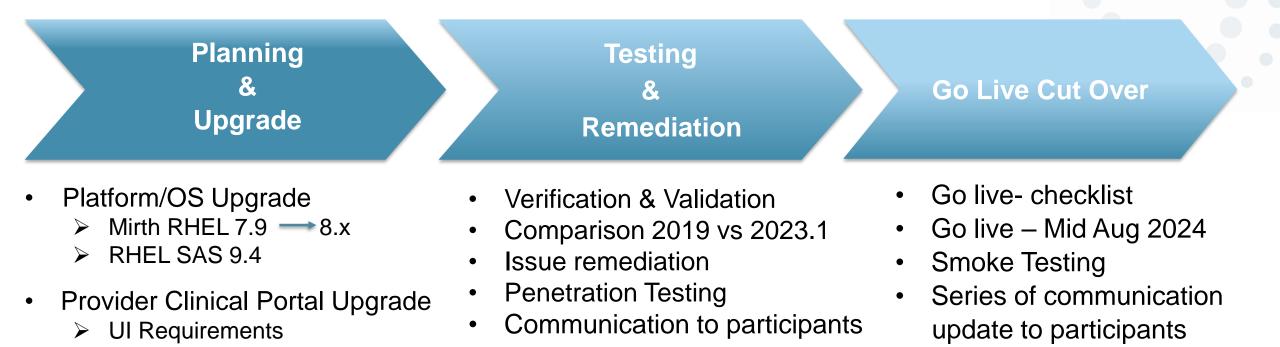




## Upgrade Update and Clinical Viewer Demo



## HealthShare Upgrade 2023.1 – Timelines & Tasks



environmentTesting tools

UI upgrade to 2023.1 in test

Sep 2023 to May 2024

#### Feb 2024 to Aug 2024



## NC HealthConnex Upgrade

How this affects connection projects for participants.



- **IN PROGRESS** We will work to complete data connections for participants whose project is currently in progress.
- Onboarding activities will be subject to a change freeze. Planned data integrations that were not completed by Friday, June 14, 2024, were temporarily put on hold until later in the year.
- **NOT STARTED** If a connection project has not yet started, the participant will remain in our onboarding queue until after the upgrade is complete.
- ALREADY LIVE A participant organization already live and submitting data to NC HealthConnex will need to take no action.



## **NC HealthConnex Upgrade Benefits**

- Modernize the NC HealthConnex infrastructure to current health information exchange standards.
- RHEL Upgrade
  - ▶ Performance:  $V6 \rightarrow V7 (30\% \uparrow) | V7 \rightarrow V8 (35\% \uparrow)$
  - Security: enhanced firewall and encryption
  - Overall: Better dependency and patch management
- HealthShare Upgrade
  - Better performance (25-30%)
  - Additional features
  - Enhanced developer and administration tools
  - Easier upgrade path
- Clinical Portal Upgrade:
  - Improved Clinical Summary section for a better viewing experience
  - > Ability to do a text search within individual chartbook pages
  - Additional clinical sections within the patient record







## Clinical Portal Upgrade - Login



SYSTEM MAINTENANCE THIS WEEKEND: From Saturday April 20 2024 at 7:00 a.m. ET. to Sunday
 April 21 2024 at 5:00 p.m. ET.

#### Log In

Domain

#### Announcements

\*

0



Username

Password



Log In

user@user.com

Help Desk contact information: Support Line: 919-531-2700 <u>hiesupport@sas.com</u> Provider Help This system is provided by the State of North Carolina and is for authorized users ONLY. Unauthorized access may result in disciplinary action, civil and criminal penalties. Users have no expectation of privacy.

#### PAA (Participant Account Administrator)

USER EXPRESSLY CONSENTS TO MONITORING

You must attest to facility user activity for the Q1-2024 quarter. Login with your PAA account and review user activity on your PAA home page. When ready, click the "Attest to Audit" button to complete the audit.

#### Other Updates

Printing functionality has changed with recent upgrades to the clinical portal. Please see page 45 in the User Guide for more details!

Additional unparsed clinical documents (C/CDA) may be available and are noted by a "No" in the "Document Parsed" column on the Summary and Documents tab.

#### NC HIEA PERSONAL ENVIRONMENT

The North Carolina Health Information Exchange Authority (NC HIEA) operates North Carolina's statewide health information exchange, <u>NC HealthConnex</u>. This secure, standardized electronic system promotes the access, exchange, and analysis of health information.

#### Login Agreement

Please note that every time you login, you are agreeing to the terms signed by your organization that provided you with a unique User ID, including (but not limited to) the following:

- I will not share my User ID or password with anyone
- I will only access patient information for treatment, payment, or health care operation purposes as defined by HIPAA and as permitted by the NC HIEA Participation Agreement
- I understand that all access of patient information is monitored and recorded
- I will safeguard patient information from inappropriate disclosure
- I will immediately report any suspected breach of patient information to my supervisor, if applicable
- I will immediately report any suspected breach of patient information to both entities below:
- NC HIEA Legal NC HIEA Help Desk

HIEALegal@nc.gov HIESupport@sas.com

Questions? Contact us: <u>http://hiea.nc.gov/contact</u>





## **Clinical Portal Upgrade – Patient Search**

#### **Patient Search**

Patient Search	Patient Search Results
MRN	No Results
Assigned By	Minimum Patient Search Requirements:
Last Name vader	- Enter both an MRN Identifier and select an Assigned By (Assigning Authority / Facility Name) value OR - Enter Last Name and either First Name, DOB, or SSN (Last Name and First Name must be a minimum of two characters)
First Name	
Middle Name	
Date of Birth	
Social Security Number	
Clear Search	



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### **Clinical Portal Upgrade – Search Results**

#### **Patient Search**

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RN	MPI		Name	Gender	DOB	Address	
	>	100059408	Vader, Darth	М	01/01/1999	122 Darth Vader Avenue, STATESVILLE NC 28625	(
signed By	>	100470093	VADER, DARTH	М	10/12/1948	95 Bantha Ave, DEATHSTAR NC 27403	(
• _	>	100822523	VADER, DARTH	Female	09/16/1952	TK429 Place; Death Star, HOOKERTON North Carolina 28538	(
st Name ader				Items per page	: 20 Items 1 – 3	3 of 3 🛛 🔍 🕹 💙 💙	
rst Name							
ddle Name							
ite of Birth							
cial Security Number							
Clear							



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### **Clinical Portal Upgrade – Break the Seal**

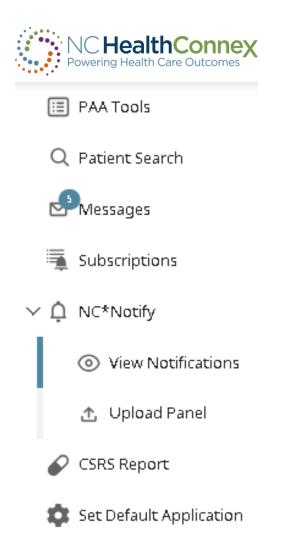
#### **Patient Search**

Patient Search	Patient Search Results	5	🕕 There i	may still be restric	cted data that you are not permitted to view. 💿 Override Applied 🖍 🔨
MRN	MPI	Name	Gender	DOB	Address
	> 100059408	Vader, Darth	М	01/01/1999	122 Darth Vader Avenue, STATESVILLE NC 28625
Assigned By	> <u>100470093</u>	VADER, DARTH	М	10/12/1948	95 Bantha Ave, DEATHSTAR NC 27403
•	> 100822523	VADER, DARTH	Female	09/16/1952	TK429 Place; Death Star, HOOKERTON North Carolina 28538
Last Name			Items per page:	: 20 Items 1 – 3 (	of 3 🛛 🔍 🕹 💙
First Name					
Middle Name					
Date of Birth					
Social Security Number					
Clear Search					



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## **Clinical Portal Upgrade – Top Navigation = Left Navigation**







## **Clinical Portal Upgrade – Chartbook Navigation**

Chartbook	~
Clinical Summary	
Conditions	
Allergies	
Medications	
Documents	
Immunizations	
Vital Signs	
Lab Results	
Diagnostic Studies	
Procedures	
Histories	
Encounters	
Appointments	
Care Team	
Cohorts	
Demographics	
Insurance	
CSRS Report	





## **Clinical Portal Upgrade – Clinical Summary**

Back to: Chart >								<u>a a</u>	🧟 🖂 🔹
Chartbook	× AI	lergies		Sorted by Last Updated, Status	∼ Med	ications		Sort	ed by Start Date
Clinical Summary	Deta	ils Category	Allergen	Reaction	Details	Medication		Status 🗘	Start Date 🗘
Conditions	:	Allergy to substance	ketorolac		:	ibuprofen 600 MG Oral Tablet		In Progress	01/23/2022
Allergies		Drug allergy	acetaminophen	Anaphylactic Shock	:	ondansetron 4 MG Disintegrating Ori	al Tablet [Zofran]	In Progress	01/23/2022
Medications		Propensity to adverse reaction	is tramadol		:	amlodipine 10 MG Oral Tablet		In Progress	01/27/2021
Documents		Drug allergy	acetaminophen	Anaphylactic Shock	:	hydrochlorothiazide 12.5 MG / lisinop	oril 20 MG Oral Tablet	In Progress	01/27/2021
Immunizations	:	drug allergy	peanut allergenic extra	đ	:	atorvastatin 80 MG Oral Tablet [Lipito	or]	In Progress	08/24/2020
∀ital Signs						Page 1 <u>Next≻</u>			
Lab Results	→ De	cuments	Sort.	ed by Activity Date, Activity Time	∨ Lab	Results			
Diagnostic Studies		ils DocType	Document	Document	Details		Results	Result Date	
Procedures	:	Consolidated CDA R2.1	2	Parsed Yes					
Histories	- :	Structured Body Document	∠	res					
Encounters		Consolidated CDA R2.1 Structured Body Document	1	Yes					
Appointments	:	Consolidated CDA R2.1	1	Yes					
Care Team		Structured Body Document							
Cohorts		Consolidated CDA R2.1 Structured Body Document	<u>Continuity of Care Document ()</u> (Encounter date: 02/18/2022 0						
Demographics	:	Consolidated CDA R2.1 Structured Body Document	Continuity of Care Document ( (Encounter date: 01/25/2022 0						
Insurance		Page 1 <u>Next &gt;</u>							
CSRS Report		ruge r <u>treatr</u>							
		Downloading documents may pre from the local device after use.	sent security and privacy risks. Do	wnloaded documents should be					
	∼ Di	agnostic Studies			∨ Diag	noses	🚽 Sorte	d by Last Updated, Li	ast Update Tim
	Deta	ils Description	Status Study	Result Date	Details	Diagnosis	ICD Code Diag	nosis Date 🗘 🛛 Las	t Updated 🗘
					:	Abscess of liver	K75.0	09/1	16/2021 14:32
					:	Abdominal rigidity, unspecified site	R19.30	09/	16/202114:32



## **Clinical Portal Upgrade – Individual Chartbook Search**

nmuniza	tions						
√ Imm	unizations				influ	🔍 🚽 So	rted by Administration Date, Immunization
Details	Immunization 🗘	Dose	Source	Administration Date 🗘	Administ	ration Date 2	Administration Date 3
:	<mark>Influ</mark> enza >= 6 months IM			08/17/2020 00:00			
:	<mark>Influ</mark> enza, seasonal, injectable			02/04/2019 00:00			
:	<mark>Influ</mark> enza, seasonal, injectable			02/04/201912:01			
:	influenza virus vaccine, inactivated			11/03/2018/00:00			
:	Influenza Vaccine Quad (IIV4 PF) 6mo+ injectable			09/25/2018 00:00			
:	<mark>Influ</mark> enza >= 6 months IM			09/06/2018 00:00			
:	<mark>Influ</mark> enza Vaccine Quad ( <b>II</b> V4 PF) 6mo+ injectable			10/10/2017 00:00			
:	<mark>Influ</mark> enza >= 6 months IM			09/20/2017 00:00			
:	<mark>Influ</mark> enza Vaccine Quad ( <b>II</b> V4 PF) 6mo+ injectable			10/18/2016 00:00			
:	<mark>Influ</mark> enza >= 6 months IM			09/26/2016 00:00			
:	Influenza Virus Vaccine, unspecified formulation			09/22/2015 00:00			
:	<mark>Influ</mark> enza, High Dose ( <b>II</b> V4) 65 yrs & older			09/15/2015 00:00			
:	<mark>Influ</mark> enza Vaccine Quad ( <b>II</b> V4 PF) 6mo+ injectable			09/25/2013 00:00			
:	INFLUENZA TIV (TRI) PF (IM)			12/16/2012 00:00			
:	<mark>Influ</mark> enza >= 6 months IM			10/18/2010 00:00			
:	<mark>Influ</mark> enza >= 6 months IM			11/07/2003 00:00			



## **Clinical Portal Upgrade - Grouping**

Immunizations		Im	m	u	ni	iz	at	io	n	5
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<ul> <li>Immunizations</li> </ul>				Search	🔍 🥊 🚏 Grouped, Sorter
Details Immunization 🗘	Dose	Source	Administration Date 🗘	Administration Date 2	Administration Date 3
> COVID-19 (Moderna) mRNA-1273 vaccine					
> Hepatitis B Pediatric					
> INFLUENZA TIV (TRI) PF (IM)					
> Influenza >= 6 months IM					
<ul> <li>Influenza Vaccine Quad (IIV4 PF) 6mo+ injectable</li> </ul>					
Influenza Vaccine Quad (IIV4 PF) 6mo+ injectable			09/25/2018 00:00		
Influenza Vaccine Quad (IIV4 PF) 6mo+ injectable			10/10/2017 00:00		
Influenza Vaccine Quad (IIV4 PF) 6mo+ injectable			10/18/2016 00:00		
Influenza Vaccine Quad (IIV4 PF) 6mo+ injectable			09/25/2013 00:00		
> Influenza Virus Vaccine, unspecified formulation					
> Influenza, High Dose (IIV4) 65 yrs &: older					
> Influenza, seasonal, injectable					
> Moderna SARS-CoV-2 Vaccine					
> PNEUMOCOCCAL POLYSACCHARIDE 23					
> Pneumococcal Conjugate 13-Valent					
> SHINGRIX-ZOSTER VACCINE (HZV), RECOMBINANT, SUB-UNIT, ADJUVANTED I	м				

Page 1 <u>Next ></u>





## New 42 CFR Part 2 Rule



## Confidentiality of SUD Patient Records: 42 U.S.C. § 290dd-2 & Part 2 Rules

#### What records?

 Applies to "[r]ecords of the identity, diagnosis, prognosis, or treatment of any patient which are maintained in connection with the performance of any program or activity relating to substance use disorder education, prevention, training, treatment, rehabilitation, or research, which is conducted, regulated, or directly or indirectly assisted by any department or agency of the United States." 42 U.S.C. § 290dd-2.

#### What restrictions apply?

 Records are confidential and can only be disclosed and used pursuant to 42 U.S.C. § 290dd-2 and related federal regulations

#### Why specific restrictions for SUD patient records?

• Prevent harm and stigma



## Coronavirus Aid, Relief, and Economic Security (CARES) ACT

#### -Enacted in 2020

#### -Section 3221 of CARES Act

- made changes to 42 U.S.C. § 290dd-2
- Required US DHHS to "make such revisions to [Part 2] regulations as may be necessary for implementing and enforcing the amendments made by this section."

Aligning with HIPAA Standards

#### Definitions

- 42 U.S.C. § 290dd-2(k)
- 42 CFR § 2.11

Penalties

- 42 U.S.C. § 290dd-2(f)
- 42 CFR § 2.3

Breaches

- 42 U.S.C. § 290dd-2(j)
- 42 CFR § 2.16(b)



### **Patient Consent**

## Amended consent requirements in 42 U.S.C. § 290dd-2:

(b)Permitted disclosure.

(1) Consent. The following shall apply with respect to the contents of any record referred to in subsection (a):[...]

(B) Once prior written consent of the patient has been obtained, such contents may be used or disclosed by a covered entity, business associate, or a program subject to this section for purposes of treatment, payment, and health care operations as permitted by the HIPAA regulations. Any information so disclosed may then be redisclosed in accordance with the HIPAA regulations. Section 13405(c) of the Health Information Technology and Clinical Health Act (42 U.S.C. 17935(c)) shall apply to all disclosures pursuant to subsection (b)(1) of this section.
(C) It shall be permissible for a patient's prior written consent to be given once for all such future uses or disclosures for purposes of treatment, payment,

and health care operations, until such time as the patient revokes such consent in writing . . .

#### 42 CFR § 2.31 Consent Requirements

Subsection (a) excerpts:

... For a <u>single consent for all future uses and disclosures for treatment, payment, and</u> <u>health care operations</u>, the recipient may be described as "my treating providers, health plans, third party payers, and people helping to operate this program" or a similar statement ...

...If the recipient is a covered entity or business associate to whom a record (or information contained in a record) is disclosed for purposes of treatment, payment, or health care operations, <u>a written consent must include the statement that the patient's record (or information contained in the record) may be redisclosed in accordance with the permissions contained in the HIPAA regulations, except for uses and disclosures for civil, criminal, administrative, and legislative proceedings against the patient ...</u>

#### Subsection (d) excerpt:

Patient consent for use and disclosure of records (or testimony relaying information contained in a record) in a civil, criminal, administrative, or legislative investigation or proceeding cannot be combined with a consent to use and disclose a record for any other purpose.

## 42 CFR § 2.32 Notice and copy of Consent to Accompany Disclosure

- Requirements that must accompany disclosures



## **Patient Consent (continued)**

### 42 CFR § 2.12 Applicability

Subsection (d) excerpt:

A part 2 program, covered entity, or business associate that <u>receives records based on a single consent for all treatment, payment,</u> and health care operations is not required to segregate or segment such records.

### 42 CFR § 2.33 Uses and Disclosures Permitted with Written Consent

Subsection (a) excerpt:

(2) When the consent provided is a single consent for all future uses and disclosures for treatment, payment, and health care operations, a part 2 program, covered entity, or business associate may use and disclose those records for treatment, payment, and health care operations as permitted by the HIPAA regulations, until such time as the patient revokes such consent in writing.

Subsection (b) excerpt:

If a patient consents to a use or disclosure of their records consistent with § 2.31 [Consent Requirements], the recipient may further disclose such records as provided in subpart E [Court Orders Authorizing Use and Disclosure] of this part, and as follows:

(1) When disclosed for treatment, payment, and health care operations activities to a covered entity or business associate, such recipient may further disclose those records in accordance with the HIPAA regulations, except for uses and disclosures for civil, criminal, administrative, and legislative proceedings against the patient.





### **Public Health Disclosures Without Consent**

#### 42 U.S.C. § 290dd-2(b)Permitted disclosure:

(2) Method for disclosure. Whether or not the patient, with respect to whom any given record referred to in subsection (a) is maintained, gives written consent, the content of such record may be disclosed as follows:

#### [...]

**(D)** To a public health authority, so long as such content meets the standards established in section 154.514(b) of title 45, Code of Federal Regulations (or successor regulations) for creating de-identified information.

#### 42 CFR § 2.54 Disclosures for public health:

A part 2 program may disclose records for public health purposes without patient consent so long as:

- (a) The disclosure is made to a public health authority as defined in this part; and
- (b) The content of the information from the record disclosed has been de-identified in accordance with the requirements of 45 CFR 164.514(b) such that there is no reasonable basis to believe that the information can be used to identify a patient.



## Where We Are Headed on Part 2 Data

#### Major Changes in the New Part 2 Rule - Patient Consent

- Allows a single consent for all future uses and disclosures for treatment, payment, and health care operations.
- HIPAA covered entities and business associates that receive records under this consent can redisclose the records in accordance with the HIPAA regulations.

#### **Next Steps in Planning:**

- Allowing Part 2 providers to submit panels for notifications and engage in bidirectional exchange
  - Part 2 data captured for this purpose would be completely and permanently internal.
- Ingesting/storing/exchanging Part 2 clinical data
  - $\circ~$  We are starting to explore:
    - Solutions for capturing consent
    - Models for ingestion/storage/exchange
    - Major cost considerations

DISCLAIMER	
Please read the following information. It will be updated on an ongoing basis. By using this application, you co agree to abide by all applicable federal and state law and the NC Health Information Exchange Authority (NC HI Participation Agreement.	
Confidentiality Notice for Alcohol and Drug Abuse Information	
Confidentiality of Alcohol and Drug Abuse Patient Records Regulations: (42 C.F.R. Part 2). The federal regulations proh making any further disclosure of this information unless further disclosure is expressly permitted by the written consent to whom it pertains or as otherwise permitted by 42 C.F.R. Part 2. A general authorization for the release of medical or o information is not sufficient for this purpose.	of the person
Confidentiality Notice for Psychotherapy Information	
Confidentiality of psychotherapy notes: (45 C.F.R. 164.501). This information has been disclosed to you from records w confidentiality is protected by the HIPAA Privacy and Security Rule. You are prohibited from making any further disclosu the specific written consent of the person to whom it pertains, or as otherwise permitted by the HIPAA Privacy & Securit general authorization for the release of medical or other information is not sufficient for this purpose.	ire of it withour
Physician Responsibility	





## **Participation and Data Connections**



## **Participant Engagement Overview**





- High Touch Approach
- Accessible
  - HIEA Main Inbox
  - HIEA Main Telephone Line
  - Direct Access to Team Members
- Direct Access
  - 1-on-1



## **Education & Training**

- Teletown Halls (100 Registrations on average)
- Office Hours (150+ Registrations on average)
- 1-on-1 Trainings
  - NC HealthConnex Overview
  - NC HealthConnex Clinical Portal Demonstrations
  - NC\*Notify Demonstrations
- Virtual Training Modules
- Lunch & Learn Sessions
- Groups
  - Clinical Data User Group
  - Behavioral Health and Intellectual Developmental Disabilities (BH/IDD) Work Group





## **Proactive & Reactive Outreach**

### New Engagement Efforts

- Proactive: 200+ engagements (Started: September 2023)
- Reactive: Anticipating 50+ engagements (Starting: June 2024)
- Goals:
  - 1. Build and maintain relationships
  - 2. Provide stellar support and timely responses

#### **Proactive Scenarios**

#### **Reactive Scenarios**

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Electronic medical record migrations

Quarterly audit follow up

Low utilizers

- Participants with newly executed PA's (not yet connected)
- Participants recently connected (30 45 days)
- Heavy utilizers



NC HealthConnex Powering Health Care Outcomes

## **Specialty Outreach**

• Unengaged Outreach 2023

## 5000+ Letters Sent

- Safety Net Providers 2024
  - Patient Education Mass Mailing 2024

## **10000+ Brochures Sent**





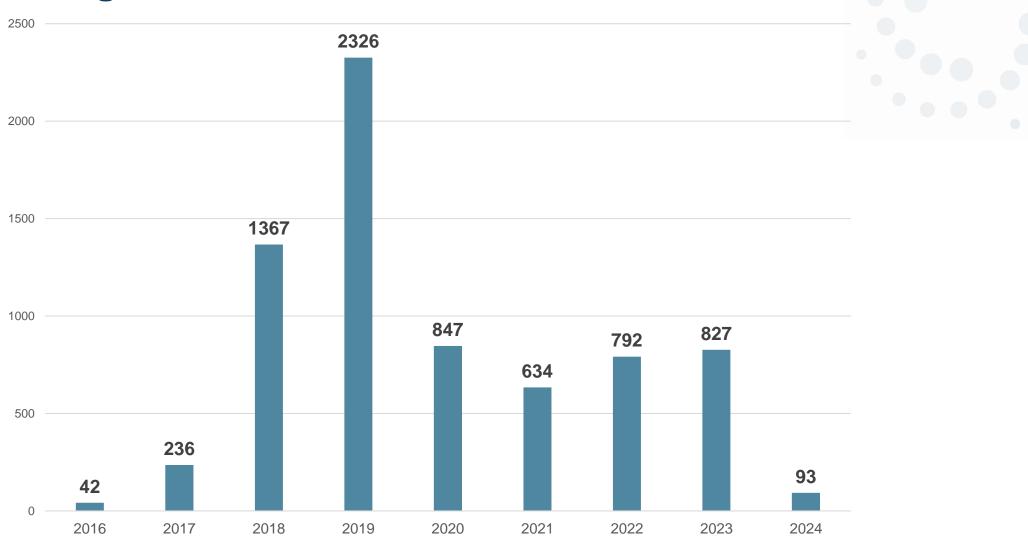
## **Data Collection: Feedback Is A Gift**

- Participant Surveys
  - Nearly 80% satisfied with time
- Proactive & Reactive Outreach
- AHEC Coaches & Monthly Leadership Calls
- Taking Every Opportunity





## **Participation Agreements**



Numbers Shown Above Were Pulled: June 7, 2024





## **Health Data Utility**



## What is a Health Data Utility?

- Health Data Utilities (HDUs) are models with cooperative leadership, designated authority, and advanced technical capabilities to combine, enhance, and exchange electronic health data across care and service settings for treatment, care coordination, quality improvement, and community and public health purposes.
- HDUs support multistakeholder, cross-sector needs by serving as a data resource for use cases beyond clinical care delivery through multi-directional exchange.

## **CIVITAS** Networks for Health



## **Characteristics of a HDU**





## What Differentiates a HDU from a HIE?

- Scope of Technical Capabilities and Infrastructure
- Relationship with State(s) and Authority Policy Levers
- Governance
- Stakeholder Engagement and Community Partnerships
- Financing
- Privacy and Security
- Accountability and Measurement





### **Phases of Adoption**

- Assessment current conditions; policy levers; available supports for planning and implementation
- 2. Planning convene a committee; develop and action plan with goals and objectives
- **3. Implementation** coordinate resources to maximize efficiency; implement plans for linkage, exchange and analysis; assess progress
- **4. Sustainability –** secure diverse funding; implement continuous quality improvement



## **Planning Workgroup**

- 1. Convene key governmental stakeholders
  - As a group, identify critical additional representation, e.g., human service organizations, academics, providers, payers
- 2. Review findings from assessment/environmental scan (HDU Adoption Phase 1)
- 3. Develop action plan with goals and objectives. Plan could be inclusive of:
  - A rough sketch of initial technical requirements
  - A funding strategy
  - A request to general assembly for HDU designation

Share progress with board at each stage of planning process

**Process to kick off in September!** 







## **New Business**

