

A Statewide Approach to Health Information Exchange

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HIMSS

NORTH CAROLINA *Chapter*



We connect health care providers to safely and securely share health information through a trusted network to improve health care quality and outcomes for North Carolinians.



STATE DESIGNATED

North Carolina's state-designated health information exchange



SECURE

Secure statewide network for physicians and other health care providers in North Carolina to share important patient health information to improve patient care



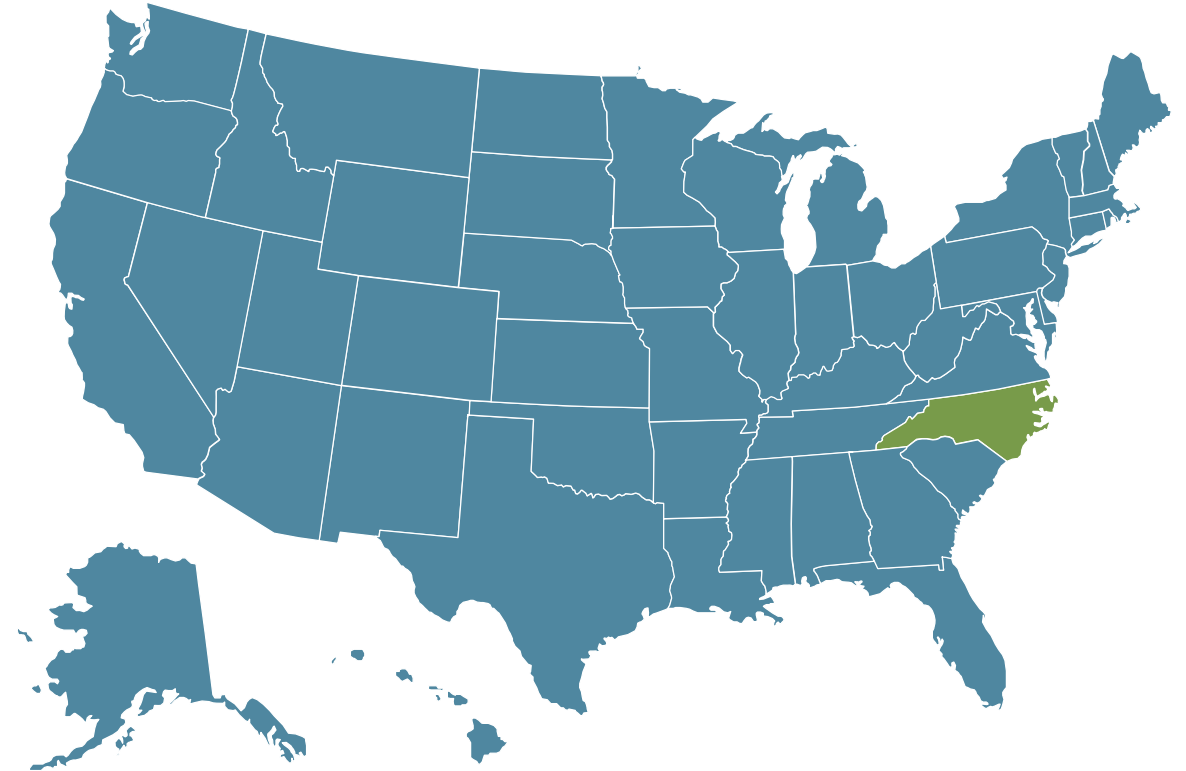
PARTNERSHIP

Housed within the Department of Information Technology's Government Data Analytics Center (GDAC). Our technology partner is SAS Institute.

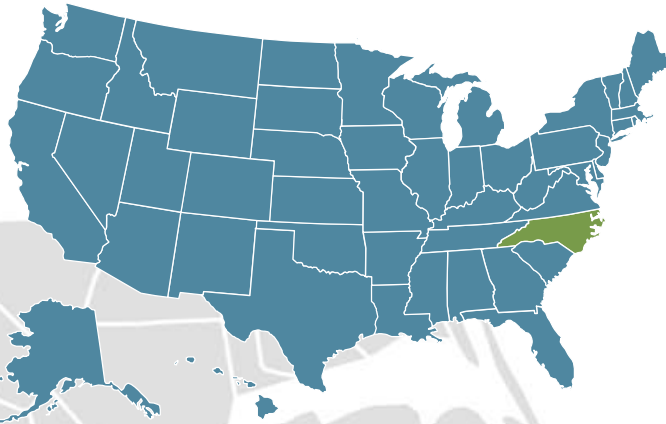
The Vision for Connectivity

North Carolina set out a vision to create communities of connected health care providers electronically across the state.

- Allow providers to view their patients' longitudinal health record in real-time
- Improve health care quality, enhance patient safety, improve health outcomes
- Consolidate data reporting requirements across the state to ease administrative burden and create efficiencies by eliminating duplicative data integrations
- Create outbound services to give providers insight to their at risk patient population



Look How Far We've Come



Number of Connected Providers

Spring 2016	Spring 2017	Spring 2018
108 Facilities	877 Facilities	1101 Facilities

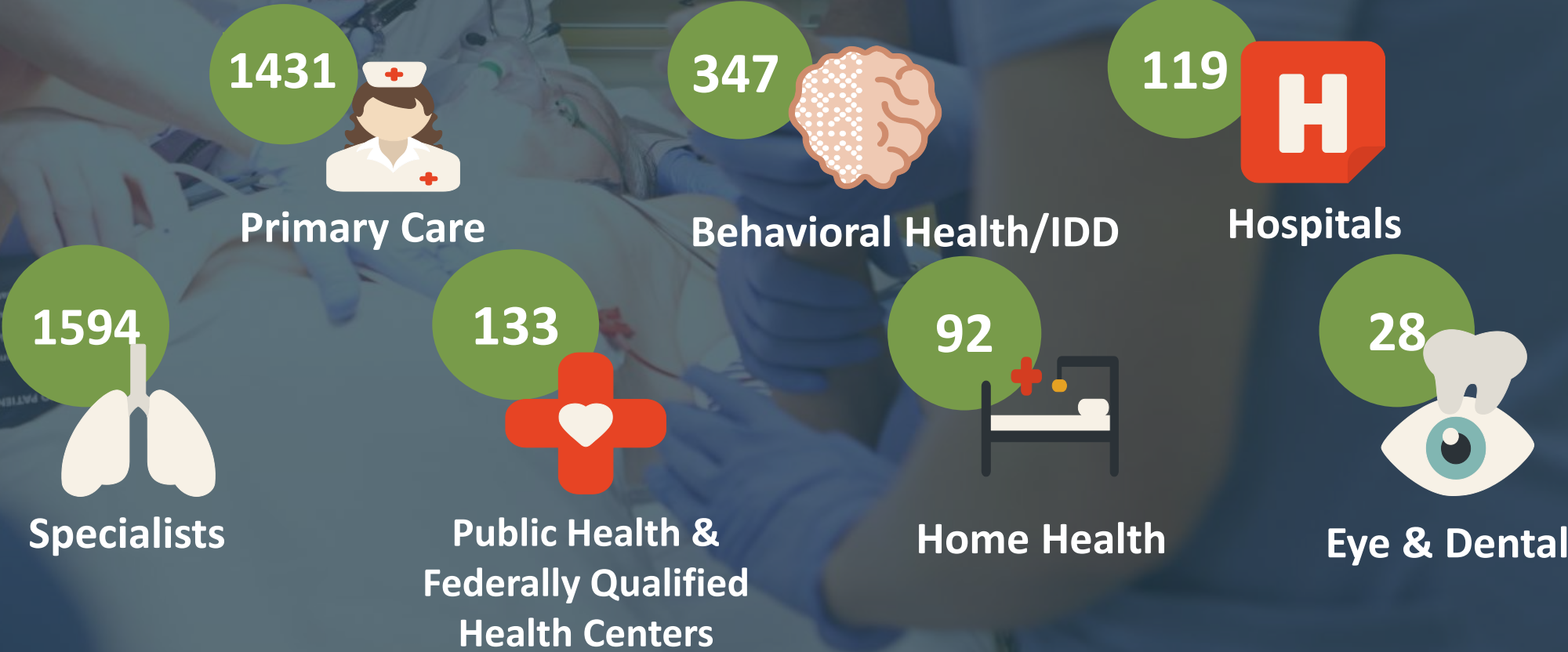
Number of Providers in the Onboarding Process

2016	2017	2018
158 Facilities	578 Facilities	2805 Facilities

223%
Growth in
Connectivity

Types of Providers Connecting

Total number of facility types = onboarding + live in production

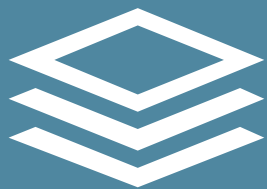


Connection Status by Provider Type:

<u>Provider Type</u>	<u>In Process</u>	<u>Live</u>	<u>Total</u>
Primary Care	1105	326	1431
FQHC	23	14	37
Behavioral Health	337	120	457
County Health Departments	11	84	96
Hospital	83	36	119
Specialist	995	510	1505
In Home Care	56	2	58
Laboratory	21	3	24
Pharmacy	2	2	4
Residential Facility	34		34
Respiratory, Developmental, Rehabilitative or Restorative	76	4	80
Speech, Language and Hearing	9		9
Eye & Vision	38		38
Dental	15		15
Grand Total	2805	1101	3906

Counts are facilities.

North Carolina Health Information Exchange Authority Behavioral Health Work Group



Understand Technology

Since the Working Group's first meeting, the NC HIEA has determined varying applications of technology within BH/IDD communities



Partner

NC HIEA took this opportunity to leverage relationships with stakeholders and associations



Address Paper

With so many providers in this community still on paper we worked to address standards for connectivity so those interested in an EHR can be better informed their specific needs for connectivity.

Connect Information eMD Zotec G
Greenway Podiatry CureMD Health
TAIK Thrive Son Compuli
Ally Ant **Cloud** Axxess Wo
MicroMD Chart Athena He
Galen DOX Software Office Allsc
ConnectX Medical **Care** Partners
AdvancedMD CARE American
Fhases Web **Perfect** 360 Solutions eMDs
SRS Evident Logic Azalea System Cerner Systems
iPatientCare eClinicalWorks Epic Pro ClinicSource
McKesson

Working with over
100+ Different EHR
Vendors to enable
connectivity



Data to Help Support Move to Value-Based Care

NC MEDICAID IS MOVING TO MANAGED CARE

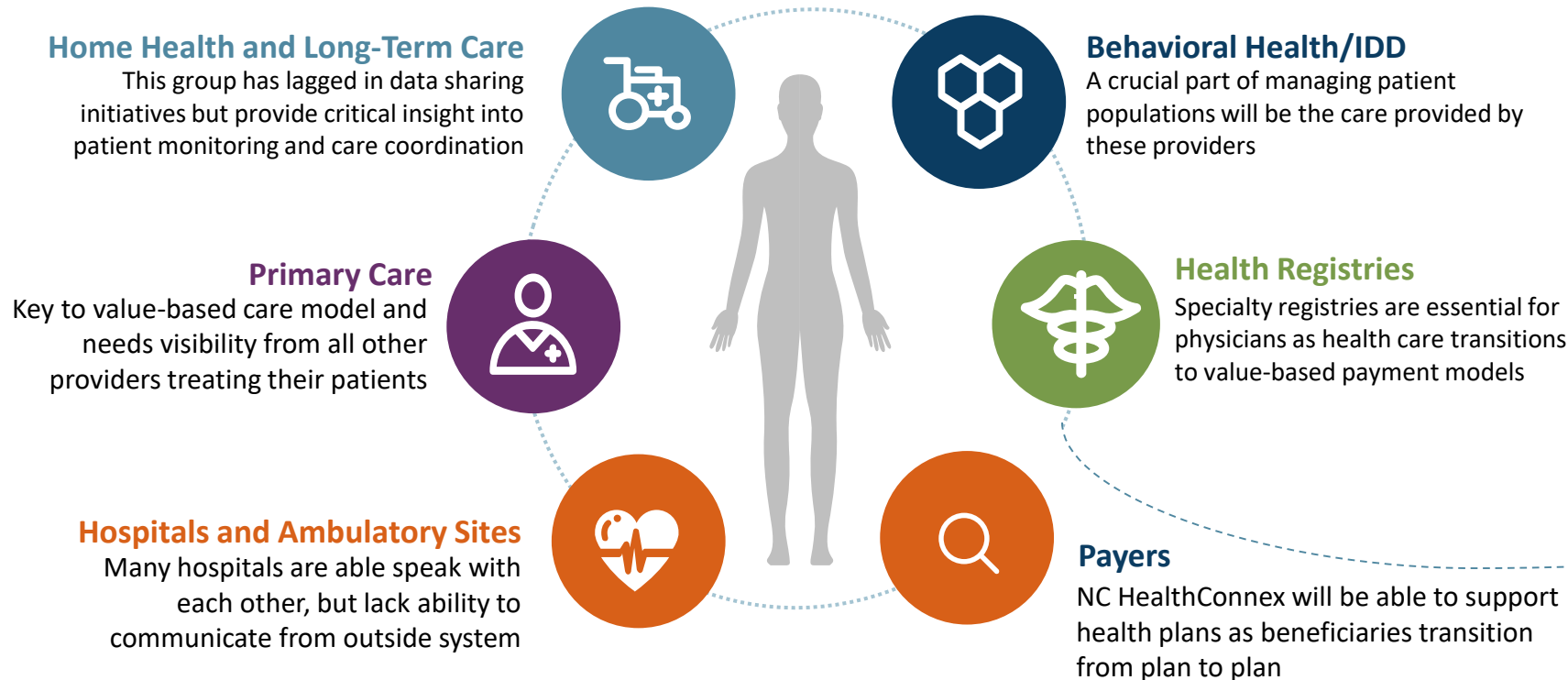
The Value-Based Payment Readiness Survey found that a majority of health care executives have noticed gaps in their data sharing and interoperability capabilities that may limit their ability to see value from risk-based reimbursements.

- Q **54%** of Executives said they have to increase their capabilities in real time data access to support transition.
- Q **74%** of financial executives in large hospitals believe they need to become better at both external and internal data sharing within the next three years.

NC HealthConnex is tool to provide real time clinical data to its participants.



Providers Need Complete Health Care Data About Their Patients to Support Transition to Value Based Care



NC HealthConnex Supports the Vision for Managed Care



Admissions, Discharge, Transfer (ADT)

information in real time from all Medicaid Providers across North Carolina through clinical notifications



Advance Medical Homes

Clinical information from electronic health records to support care management



Public Health Registries

Integrated connectivity with the North Carolina Immunization Registry



Controlled Substance Reporting System (CSRS)

Integration for single sign on and ease of use



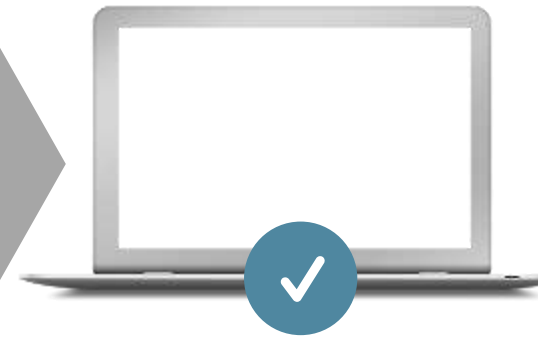
How Does Health Information Exchange Work?



Electronic Health Record
Clinicians enter data into EHR and that data is pulled/pushed into HIE



Data Provided
Clinicians who have care relationships with their patients are able to readily access that data



1

Elements Available

Current data elements available in NC HealthConnex include: Allergies, Encounters, Medications, Problems, Procedures, Results

2

Security in Place

All data is protected, stored and accessed only for purposes permissible under federal and state law.

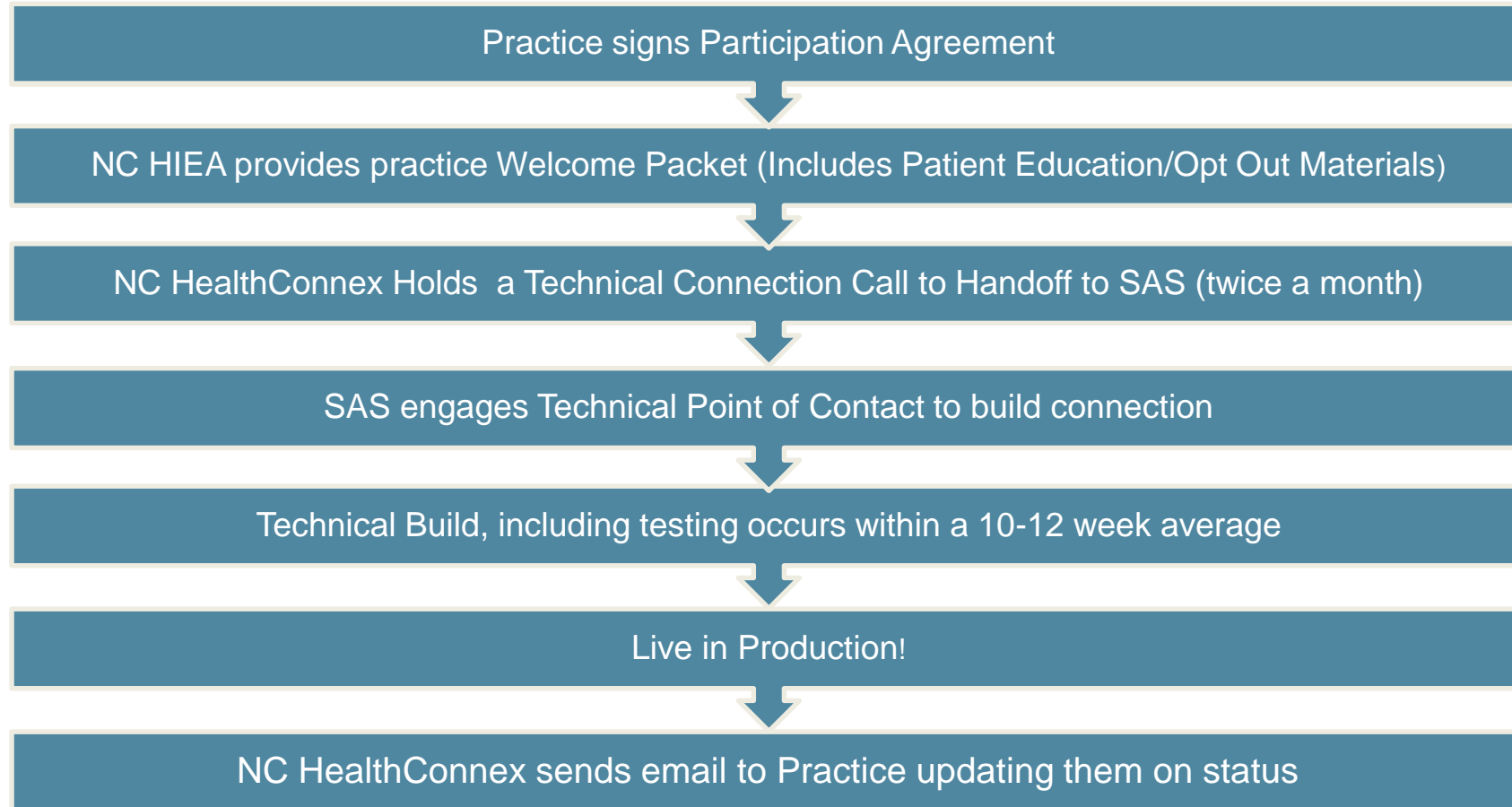
How Do Providers Connect?

There are two steps to determine a practice's readiness for connection.

1. Does your practice have an EHR that can send CCD or HL7 messages?
 - **Technology in Place:** The NC HIEA Participation Agreement requests EHRs that are minimally capable of sending HL7 messages, version 2 and higher. The first step is to have the ability to send HL7 messages (version 2.0 and higher) to enable the technical connection and data submission to NC HealthConnex.
2. Does your practice have a Participation Agreement in place?
 - The Participation Agreement is the document that governs the exchange of data between the practice and NC HealthConnex. This contract must be in place before the technical build can begin. Participation Agreements are linked on our website for providers to download, sign and return.

What to expect?

The Connection Process



Value-Added Features



Communicate | Direct Secure Messaging Accounts provided by NC HealthConnex allow connection with other providers by sending and receiving secure, encrypted messages.



Connect | Access to DSM Provider Directory with over 19,000 (and growing) secure messaging addresses of health care providers.



Contribute | Public Health Reporting via Registries – Diabetes Declaration of Readiness, December 1, 2017.



Convey | Utilize the clinical data an organization captures with timely analytics and reporting about patient population via Clinical Notifications.

Questions?