

IT Strategy Board

March 6, 2020



Opening Remarks

Tracy Doaks
Secretary &
State Chief Information Officer



COVID-19 Update

Tracy Doaks
Secretary &
State Chief Information Officer



Legal Update

Jonathan Shaw
General Counsel



Bylaws for Consideration

I-9 Requirement

I-9 Completion Process

- Download the [I-9 Form](#). Instructions for completing the form are [here](#). Board member completes Section 1 Employee Information and Attestation providing all required information. Sign and date the form using June 5, 2020 for the date.
- Review the Lists of Acceptable Documents (see I-9 Form on page 3). Select one document from column A OR one document from both columns B and C. All documents you wish to present must be unexpired. Make a clear photocopy of all documents you wish to present.
- To ensure secure transmission, use your NC.gov email address to send the three-page I-9 Form and every page of the documents you are presenting to demonstrate both identity and employment authorization to kimberly.sprague@nc.gov.

I-9 Completion Process

- Deadline to fax or email all documentation is close of business June 9, 2020.
- Kimberly Sprague will review and complete the I-9 process by close of business June 10, 2020.
- All documentation will be stored in a secure manner.

Please note: Identity and employment authorization documents are required to be physically examined. NCDIT's will coordinate with the Board to complete the physical examination of the documents at a future onsite board meeting.

NCDIT Overview

Part II

Tracy Doaks
Secretary &
State Chief Information Officer



Broadband Infrastructure Office & N.C. 911 Board

Jeff Sural

Broadband Infrastructure Office Director

Vision

Every North Carolinian should be able to access affordable, reliable high-speed internet anywhere, at any time.

State Broadband Goals

Increase the percentage of households with access to broadband to 100 percent by June 2021

Increase the percentage of households with access to fiber optic cable to 50 percent by June 2021

Increase household adoption rates to over 60 percent by June 2021

Affordable access to the internet outside of school for 100 percent of K-12 students by June 2021

Ensure high-speed internet access is available at all libraries by 2020

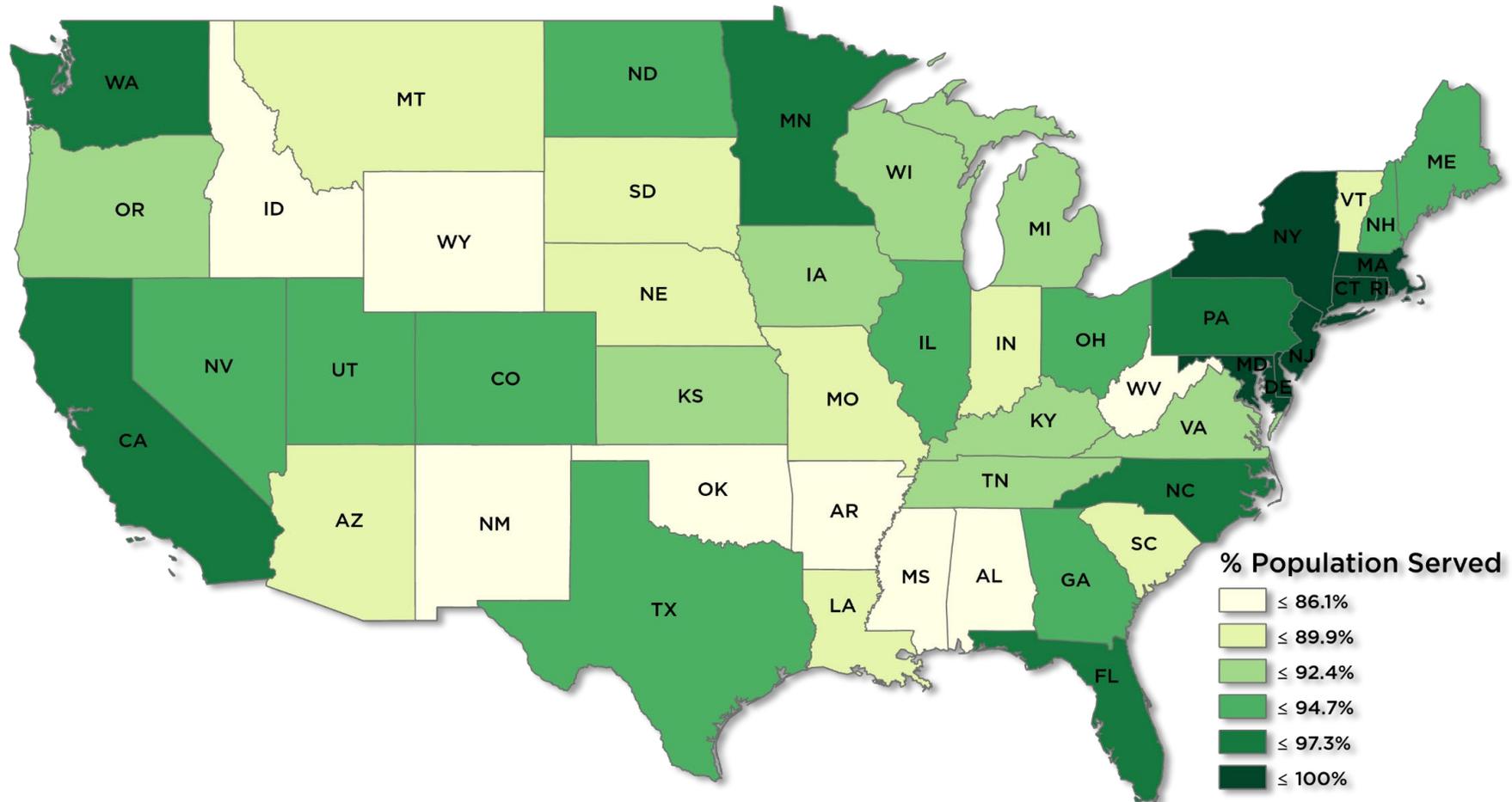
A state-wide model for the development and deployment of local, community-based digital literacy programs

Broadband Availability



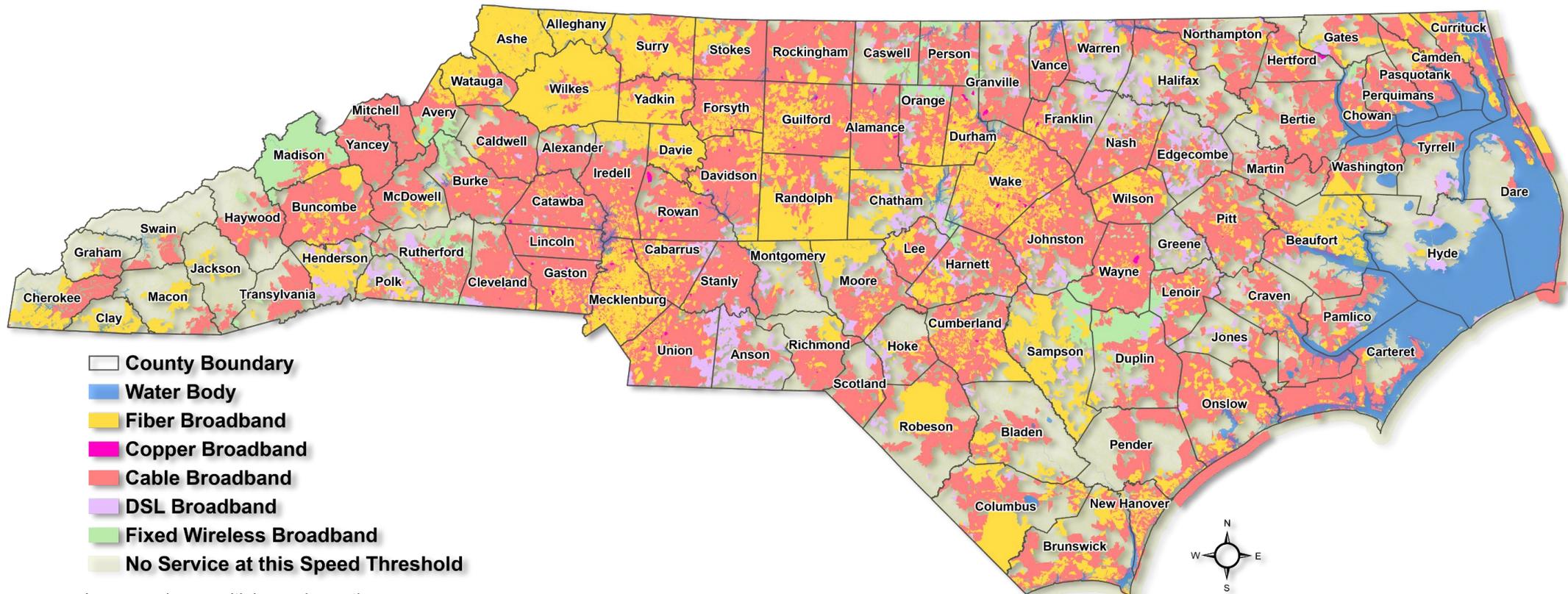
FCC's 2019 Broadband Deployment Report

Provider Reported Population Served with at Least 25 Mbps Download and 3 Mbps Upload



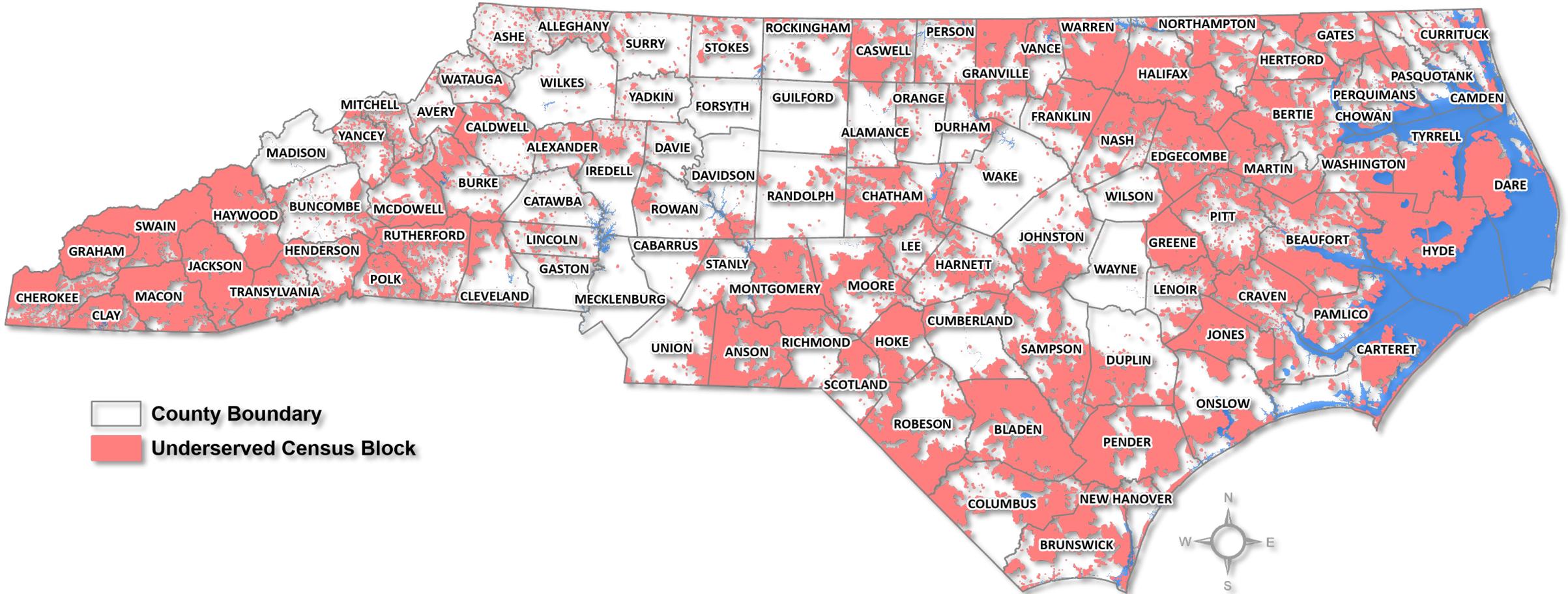
NC Broadband Technology Inventory

Advertised Speeds of at Least 25 Mbps Download and
3 Mbps Upload



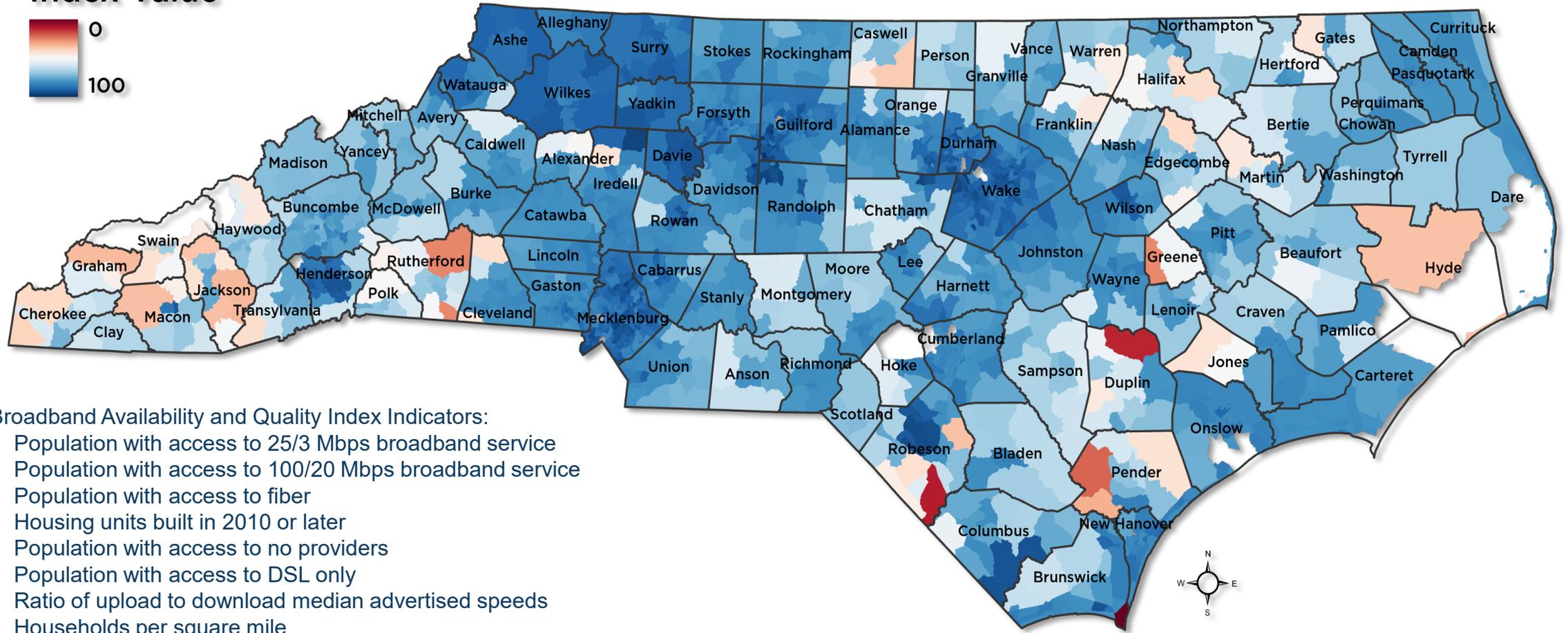
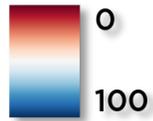
In areas where multiple service options are available this map shows the coverage layers in the order presented above.

NC Broadband Technology Inventory



NC Broadband Availability & Quality Index by Census Tract

Index Value



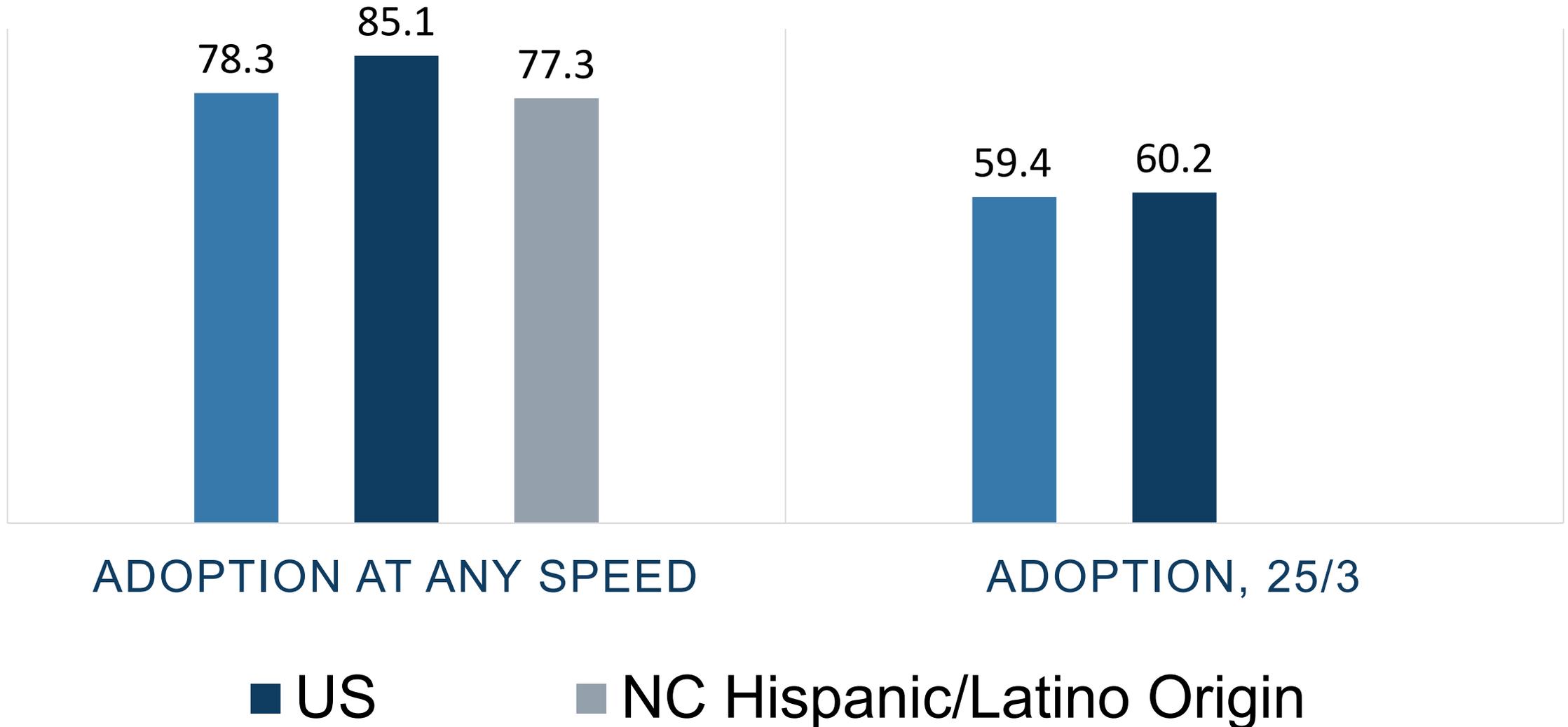
Measuring the Digital Divide

Broadband and Digital Equity Data to Know

Broadband Adoption

The percentage of the population that subscribes to a broadband service

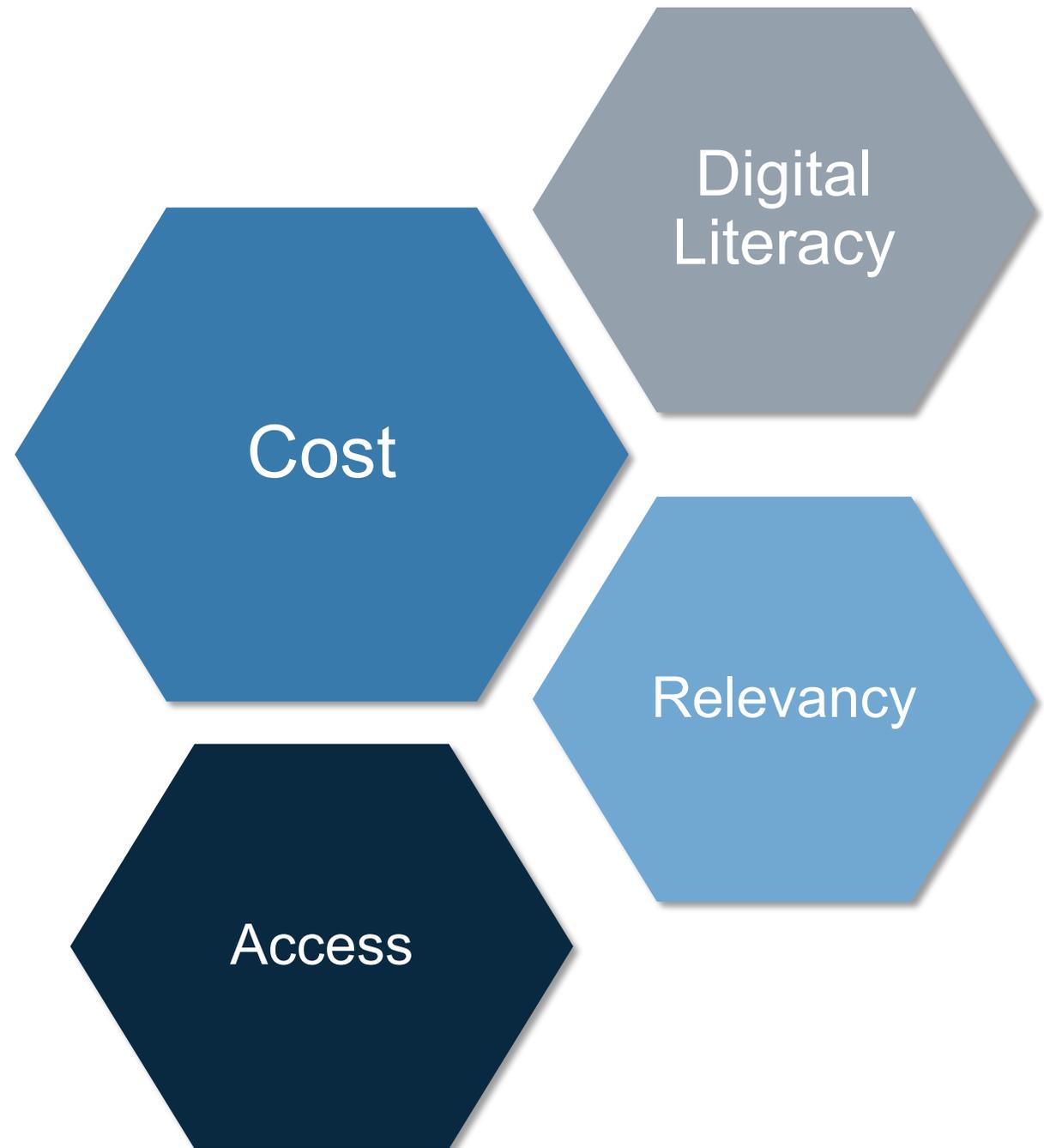
2017-2018 Broadband Adoption Rates



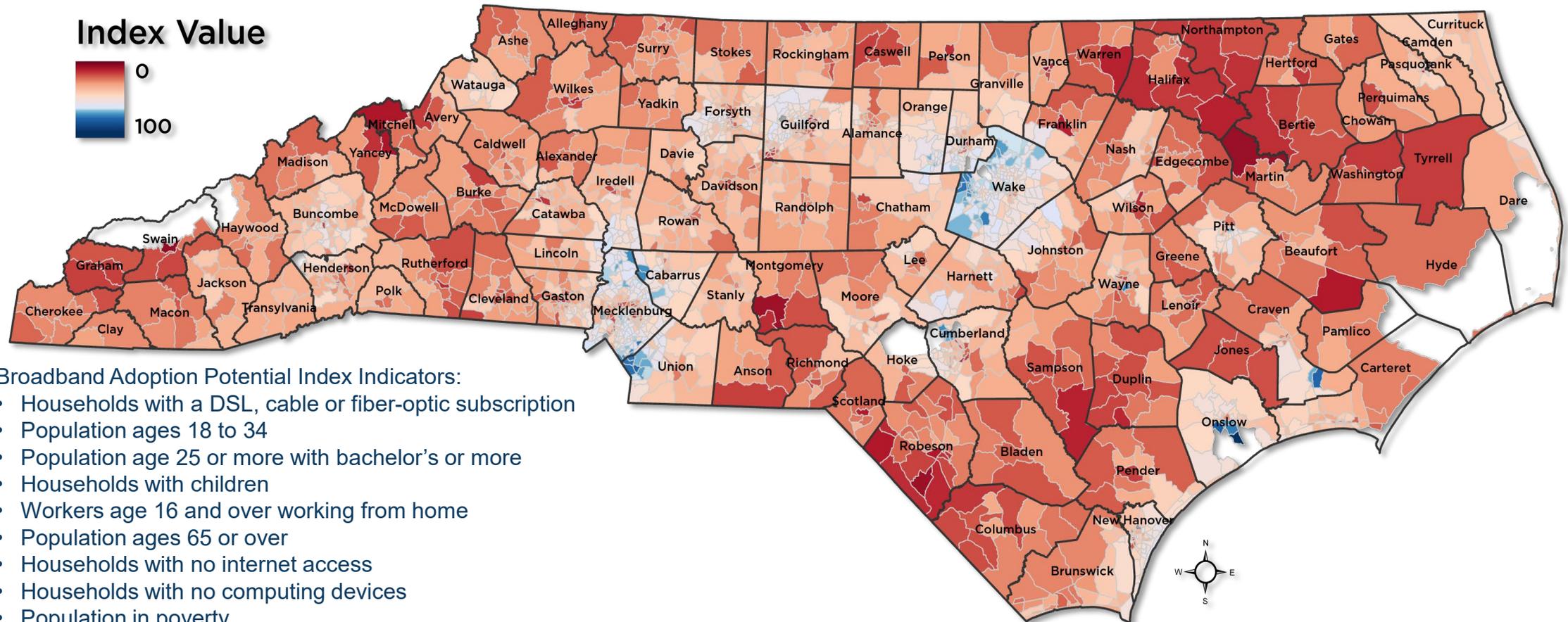
Importance of Adoption

- High levels of broadband availability are associated with lower total unemployment
- High levels of broadband adoption in nonmetropolitan counties are *positively* associated with higher numbers of businesses and jobs

Common Barriers to Broadband Adoption



NC Broadband Adoption Potential Index by Census Tract



Closing the Digital Divide

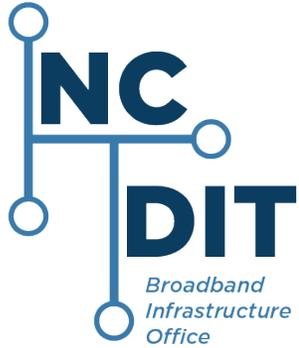
Through Programs, Policy & Tools

Approach to Digital Inclusion

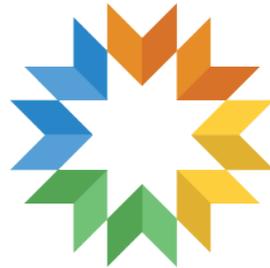


- Use Data and Best Practices
- Create Scalable Models
- Holistic Programs
- Strategic Alignment
- Creative Opportunities
- Collaborate with and Support Experts

NC Digital Equity and Inclusion Collaborative



THE WILLIAM & IDA
FRIDAY INSTITUTE
FOR EDUCATIONAL INNOVATION



NC
RURAL
CENTER



Public Schools of North Carolina
State Board of Education
Department of Public Instruction



NCCentral
UNIVERSITY

Discover what's Central to you.



NC Research.
Library Support.
Talking Books.
statelibrary.ncdcr.gov

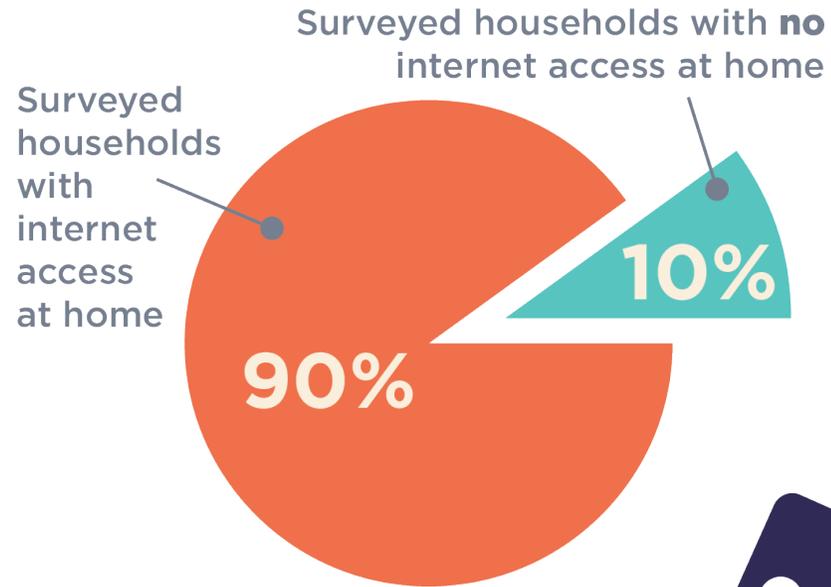


COMMUNITY WORKSHOP SERIES
DIGITAL LITERACY FOR ALL LEARNERS
A PARTNERSHIP WITH UNC SILS AND LOCAL LIBRARIES

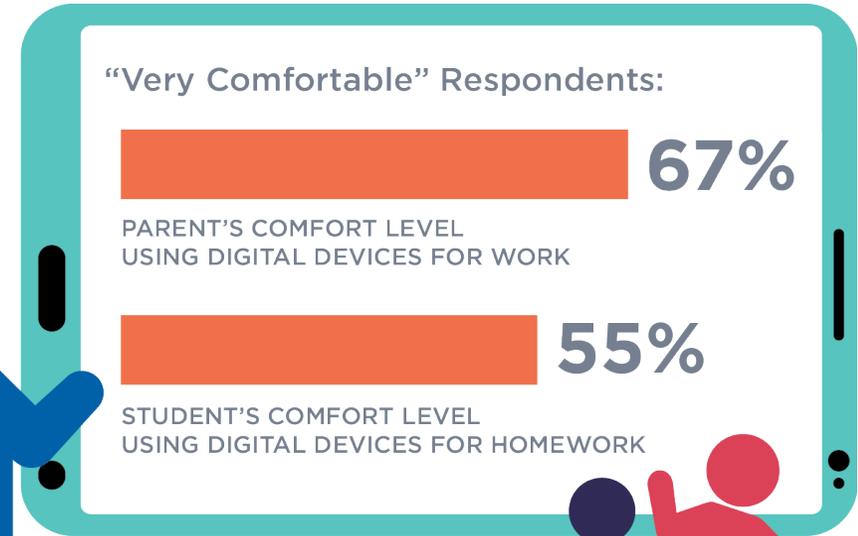


NC DEPARTMENT OF
**HEALTH AND
HUMAN SERVICES**

Quantifying the Homework Gap



67% of those without internet access cite cost as the primary reason.



A Better-Connected North Carolina

Executive Order No. 91

- Issued in March 2019 by Governor Cooper
- Established a Task Force on connecting North Carolina, promoting expansion of access to high-speed Internet and removing barriers to broadband infrastructure installation
 - Comprised of state cabinet agencies
 - Presented recommendations to Gov. Cooper in January
 - Statewide Dig Once policy

Growing Rural Economies through Access to Technology (GREAT) Grant

No more than one grant award per county (applications should target one county)

A single grant award shall not exceed \$2,000,000

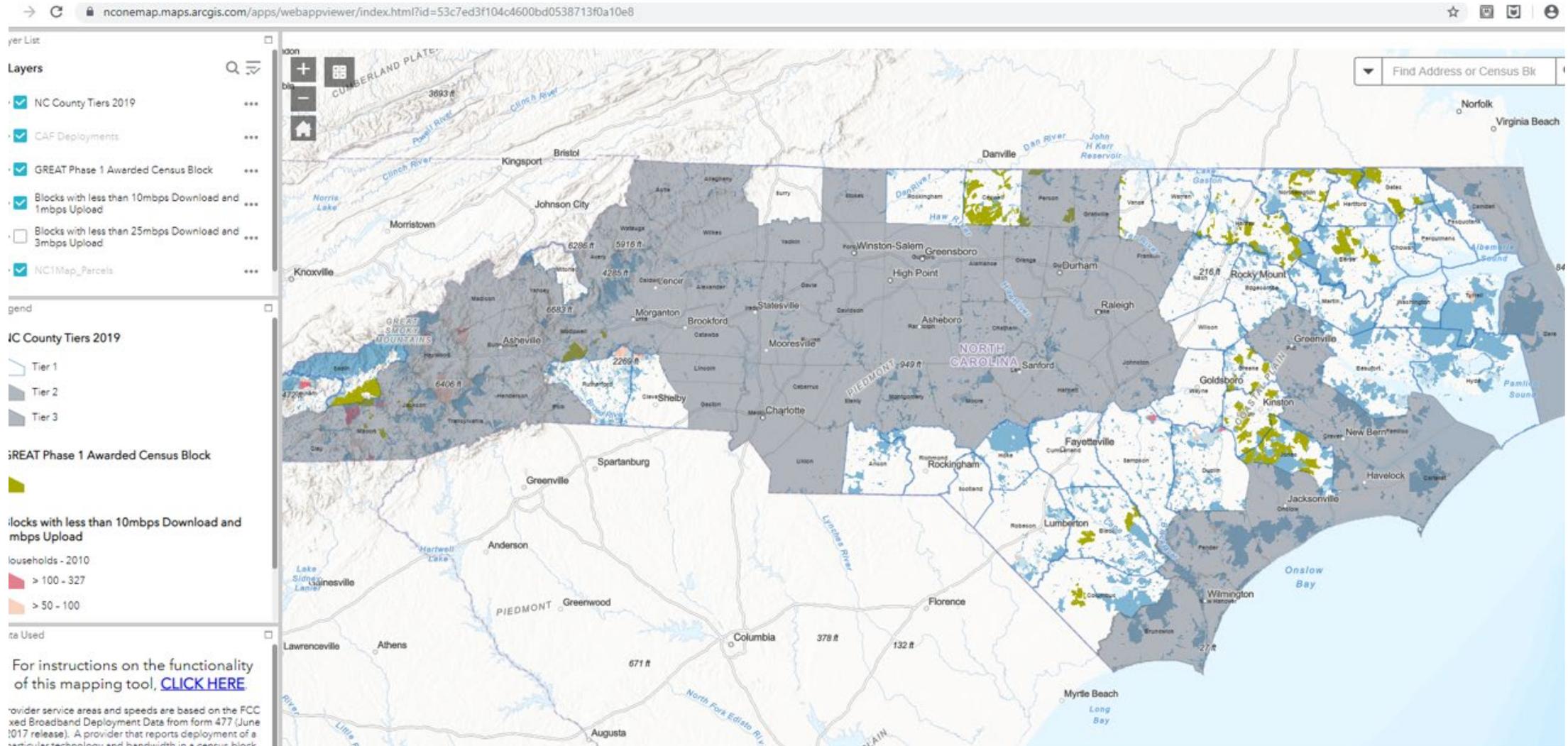
Provide minimum speeds of 10/1 Mbps

Deployment of speeds of 25/3 Mbps or greater is encouraged

Matching funds required

5-Year Service Agreement (including deployment period)

GREAT Grant Awards



Speed test complete!

Click the **Next** button to finish the survey.



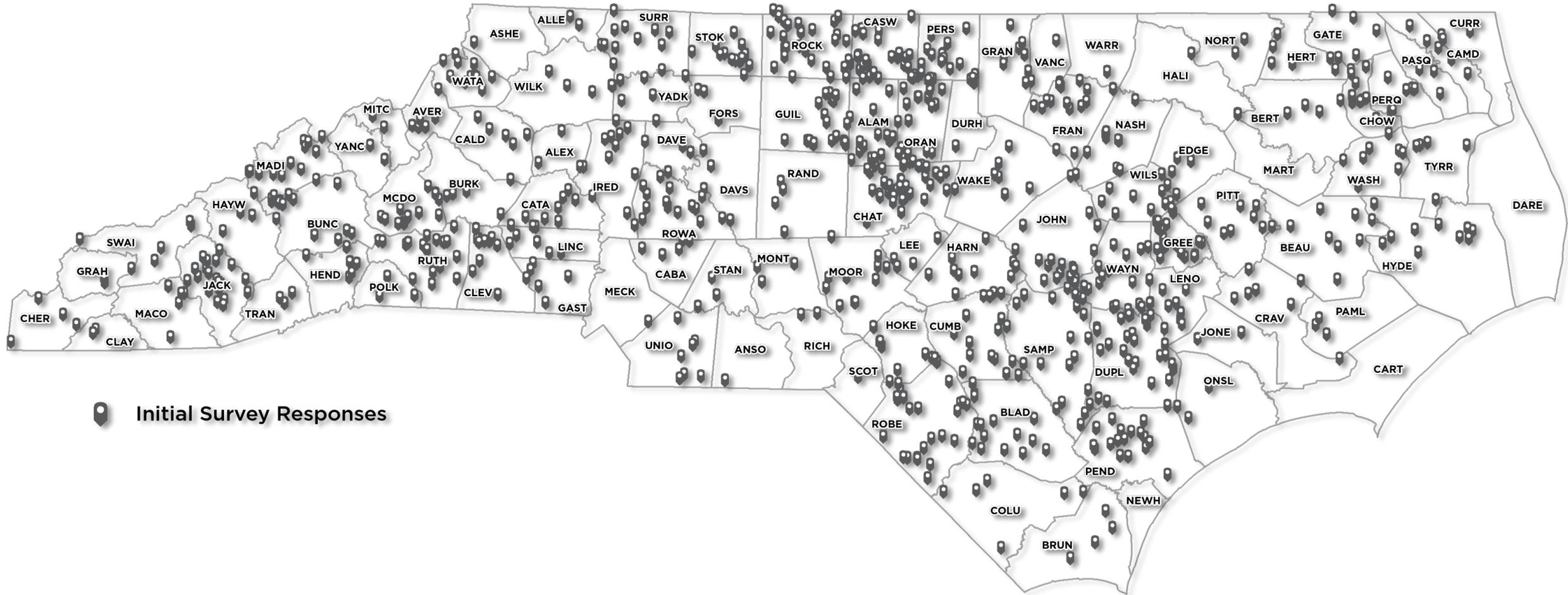
Latency	Download @	Upload @
22 ms	49.0 Mbps	32.8 Mbps



Internet Connectivity Survey for NC Farmers

The **North Carolina Broadband Infrastructure Office**, with the **Friday Institute at NC State University**, is conducting a five-minute survey* to gather data on internet connectivity from North Carolina farmers. The data will be used to inform research, policy and funding recommendations to assist communities where internet access is inadequate.

Farm Broadband Survey



Broadband Community Playbook

Broadband Planning Committee

- Establish coordination and clear goals

Assets & Needs

- Demand aggregation, market analysis, vertical & other assets to gain more granular data

Connecting with Provider Partners

- Through BIO, connect communities with partners who offer strategies for deployment

Policy & Broadband

- Identify related local ordinances and opportunities to take advantage of existing State or county infrastructure

Building the Network

- Establish RFPs/RFIs and identify funding sources

FirstTech

- Vision - To create a North Carolina where all responders can seamlessly and securely communicate using advanced technologies
- Mission - To serve North Carolina's responder community through thought leadership, direct experience, and unbiased information to support responders' understanding, adoption, and usage of the best technologies available
- Approaching technologies that are being used by emergency management, law enforcement, 911, fire, emergency medical services, and other responders) to serve as a collaboration effort between such disciplines

FirstTech

FirstTech Strategic Plan

- NCDIT Push to Talk RFP, FCC Broadband Deployment Advisory Committee, DHS Cyber Security Infrastructure Security Agency Emergency Communications Division Technology support for responders
- NC Emergency Management
- SBI, Charlotte FD, UNC-TV
- National Telecommunications and Information Administration's State and Local Implementation Grant Program
 - \$1.2m limited activities
 - Travel Scholarship, Workshops, Coverage Analysis

N.C. 911 Board

Jeff Sural

Broadband Infrastructure Office Director

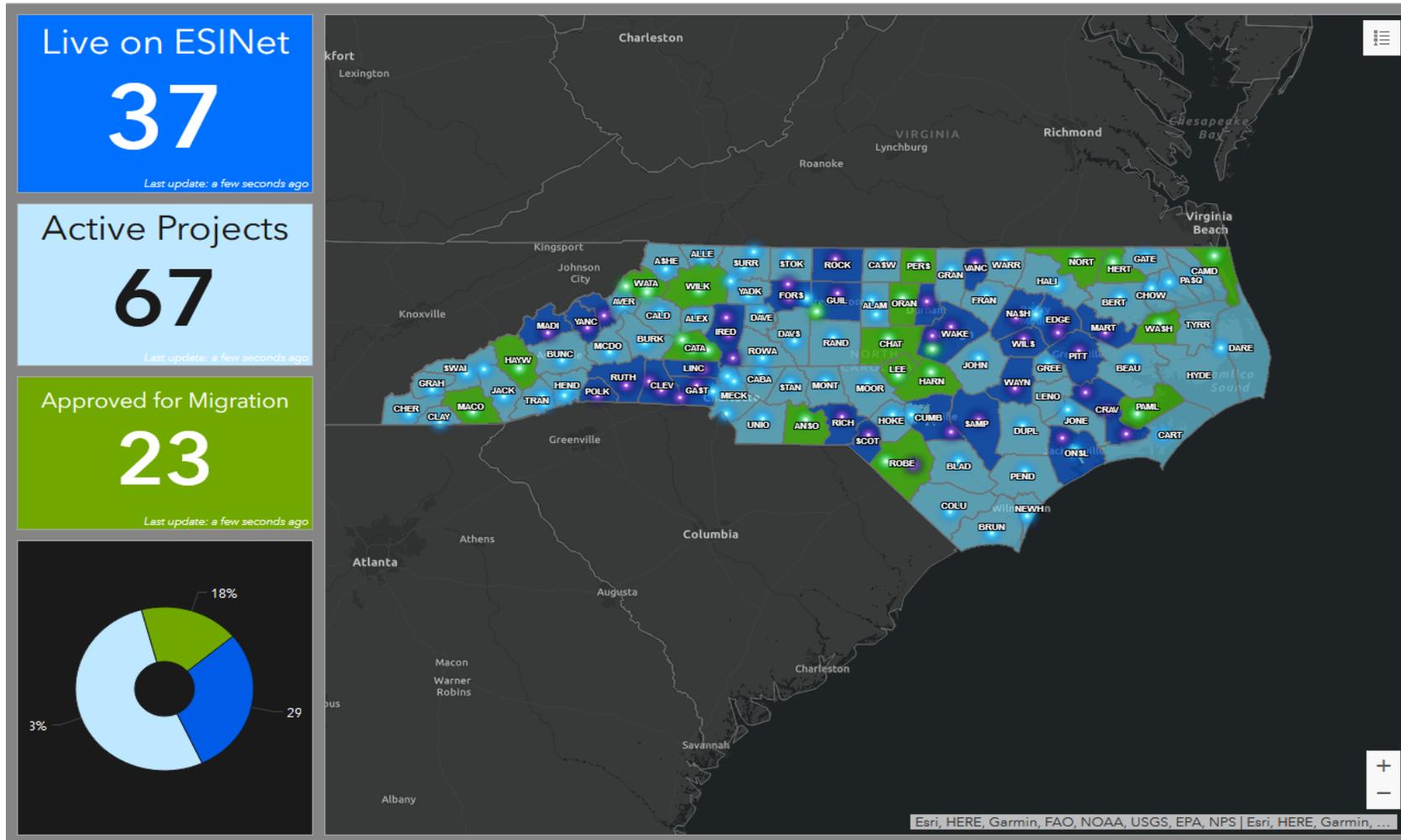
About the N.C. 911 Board

- Created by N.C. General Assembly in 2007; became part NCDIT in 2014 when department was created
- Responsible for policies and procedures for wireline and wireless 911 communications in NC
- Administers the state's 911 Fund used to support equipment purchases for the state's 127 public safety answering points (PSAPs)/911 call centers
- Implementing Next Generation 911 (NG911) to ensure citizens can access 911 services regardless of location or technology
 - Transitioning from legacy 911 to Internet Protocol (IP)-based system for routing digital information (i.e. cell phone calls, text messages)
 - Will provides interoperability, increased security and improve the efficiency and effectiveness of emergency response
 - Contracted with AT&T for implementation of statewide Emergency Services IP Network – ESInet – and hosted call handling system.

ESInet Migration Status

North Carolina NextGen 911 - #NextGen911isNowGen911inNC

Emergency Services IP Network (ESInet) Status



Government Data Analytics Center

John Correllus

Chief Data Officer

Who We Are

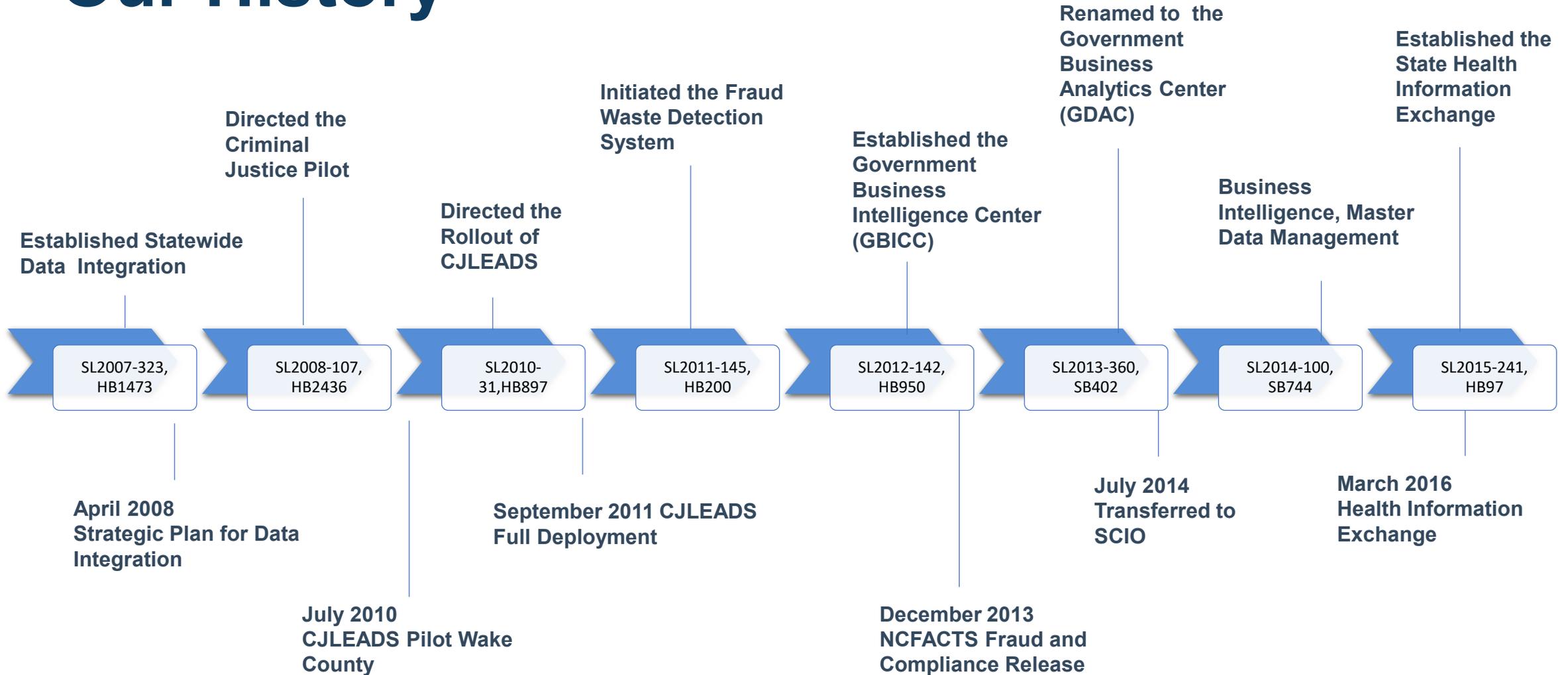
Vision

Trusted partner and leader for enabling the sharing of data assets

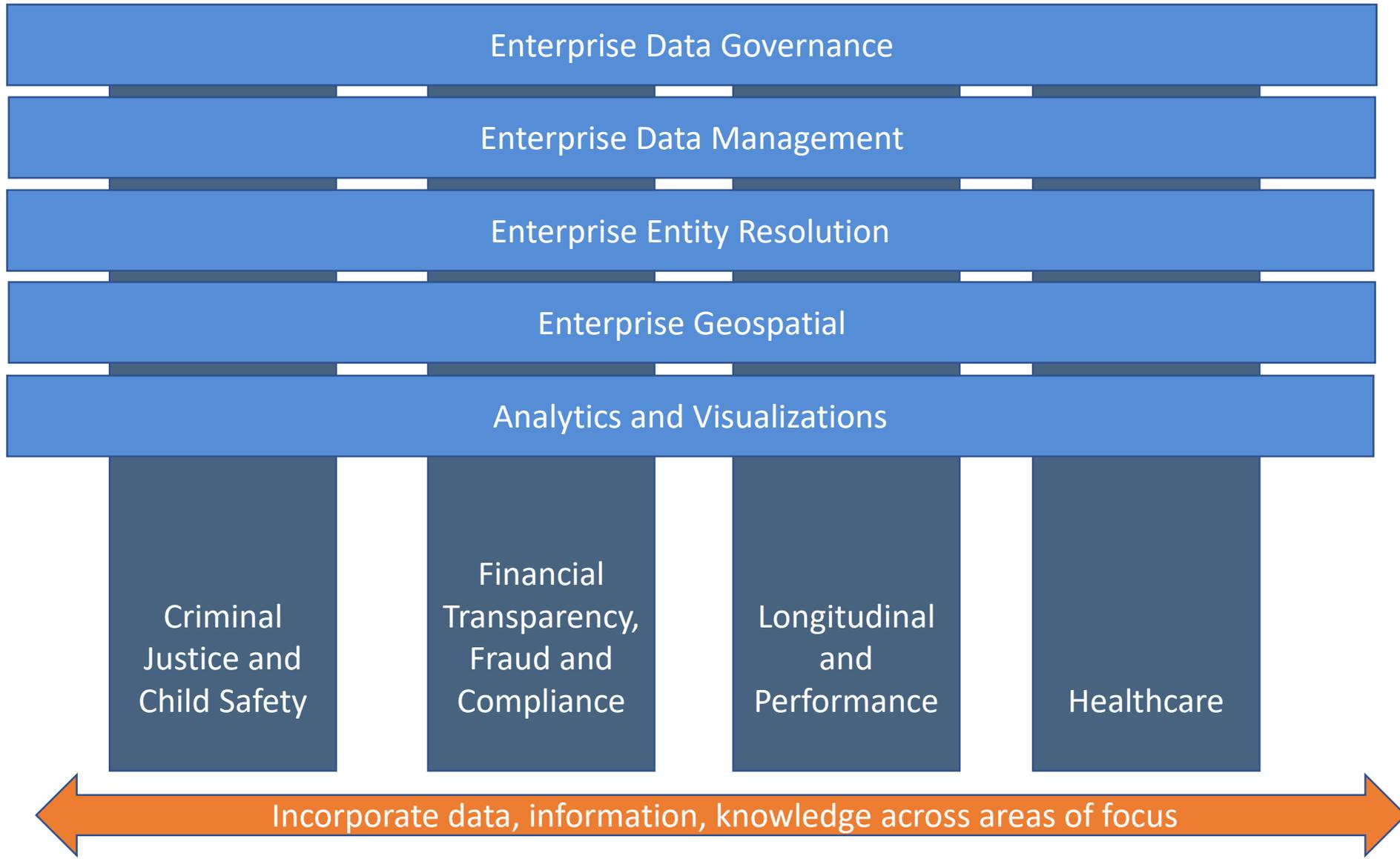
Mission

Transform data into information to facilitate decision support, increase operational efficiencies, and improve outcomes for the citizens of North Carolina by integrating and sharing data assets

Our History



Functional Areas



Delivery Approach



Data
Management



Analytics

Challenges
and
Opportunities

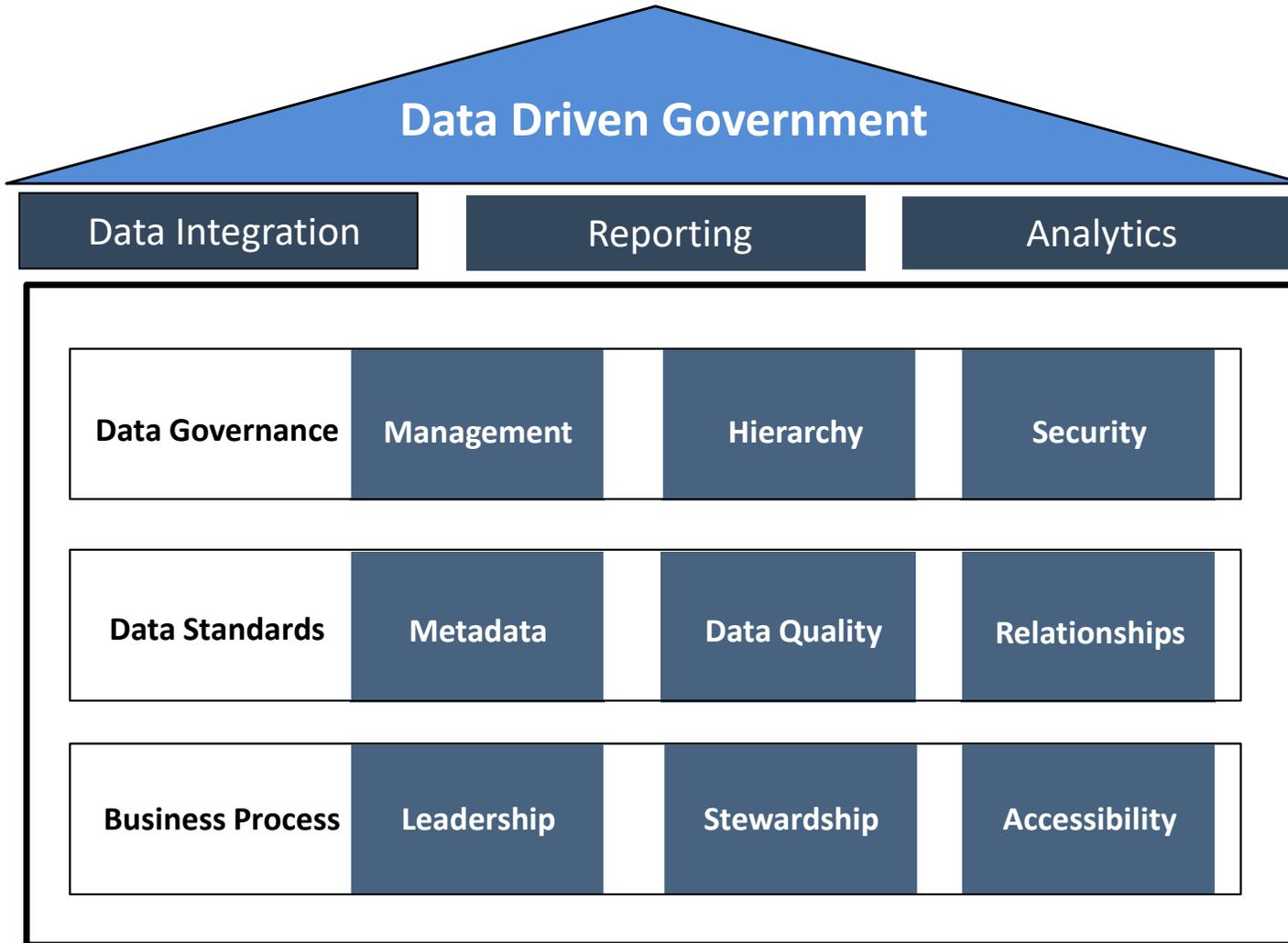


Partner
and Share



Data-Driven Government

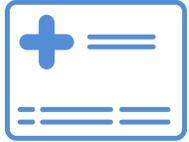
Building a Strong Foundation



Authority § 143B-1385

- Business Intelligence - The process of **collecting, organizing, sharing, and analyzing data** through integrated data management, **to make more informed decisions.**
- All State agency business intelligence requirements, including any **planning or development** efforts associated with creating **BI capability, as well as any master data management** efforts, shall be implemented through GDAC.
- The State Chief Information Officer shall ensure that State agencies use the GDAC for agency business intelligence requirements.

Key Priorities



- Expand the Health Information Exchange
- Modernize the Educational Longitudinal Data System
- Increase Use of Data and Analytics Across All Domain Areas
- Extend the Enterprise Entity Resolution Initiative
- Develop and Leverage Data as a Service (API's)

COVID-19 Activities

- Health Information Exchange
 - Expanded Connections and Data Services
 - Implemented a Cohort Monitoring Tool
 - Developing Data Extracts Supporting Public Health
- Operational Reports and Dashboards Development
- Enterprise Entity Resolution Cross Matching Activities
- Developed Geospatial Displays and Analysis

NCDIT Overview Q&A



General Discussion



Let's Connect.



@NCDIT
@BroadbandIO
@ncicenter



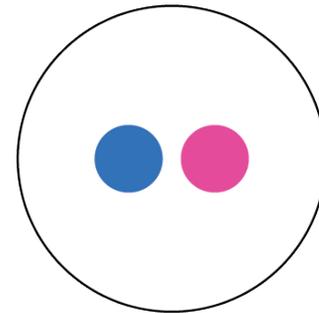
NCDIT



@NCDIT



**NC Department
of Information
Technology**



NC DIT