Committee on Access to Healthcare in Rural North Carolina

Presentation from the Broadband Infrastructure Office

Department of Information Technology

February 15, 2018

Vision

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

NC DIT

The Broadband Infrastructure Office
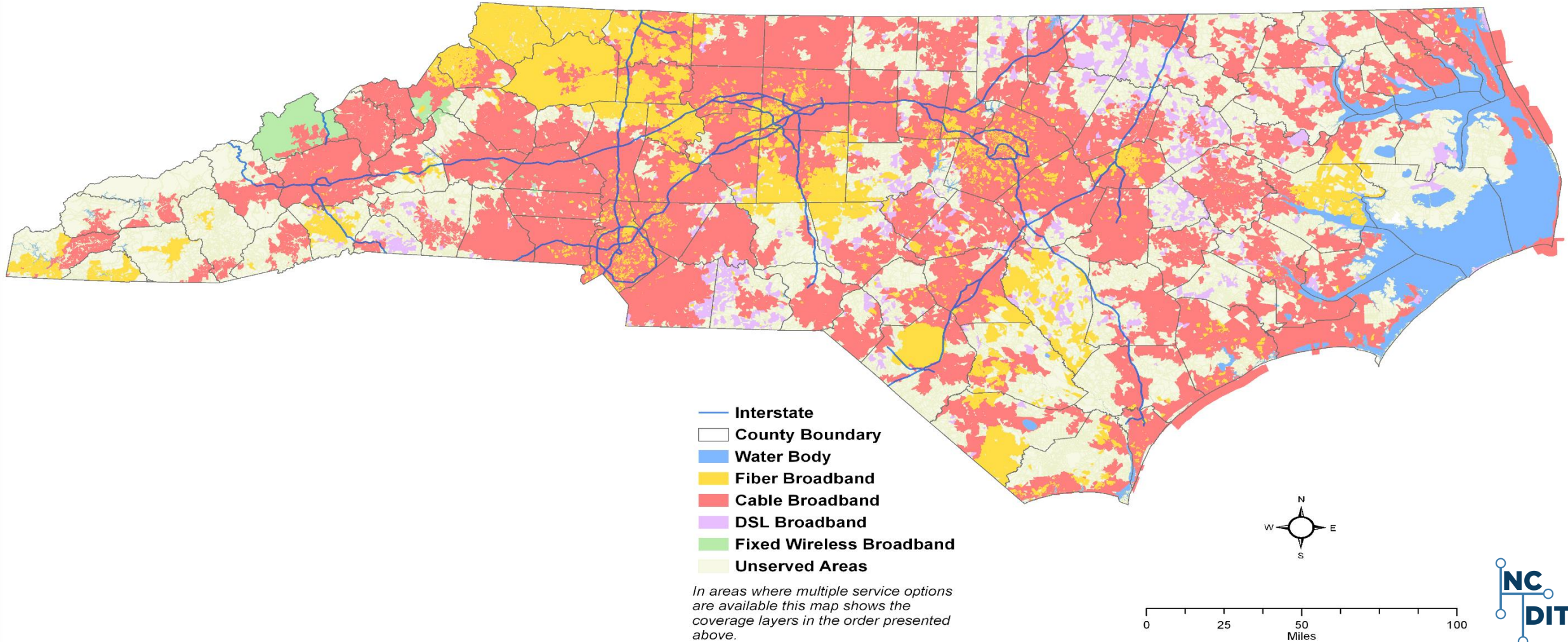
- **Community**
- **Policy**
- **Programs and Tools**

NC DIT

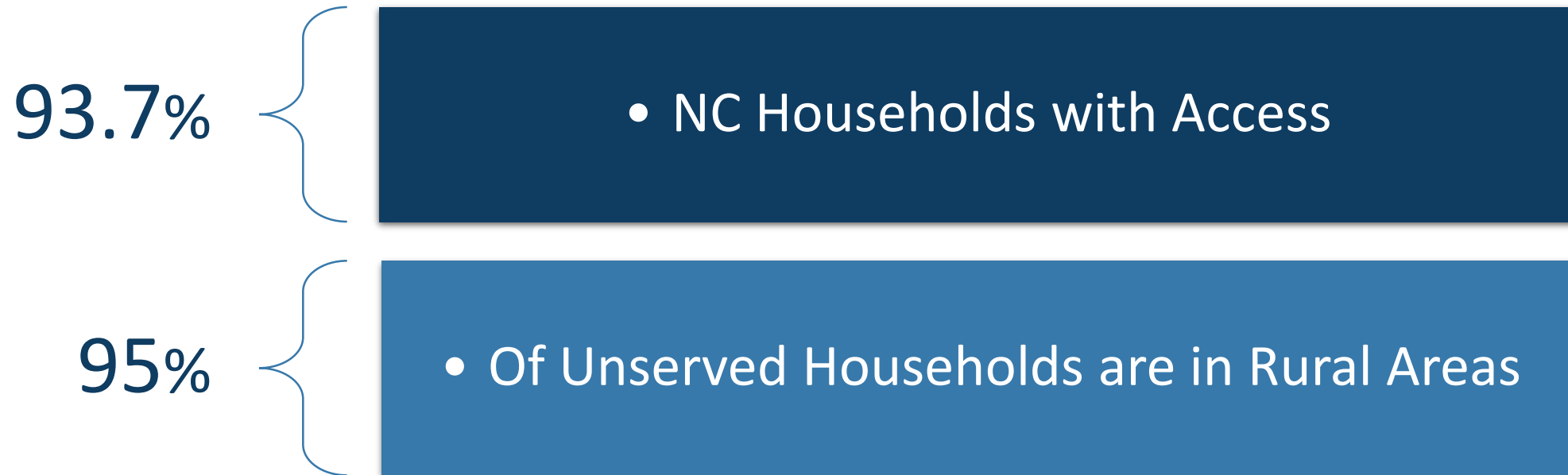# Broadband Service Inventory for North Carolina

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

Data derived from U.S. Federal Communications Commission Form 477 Data Release Dec. 2016.
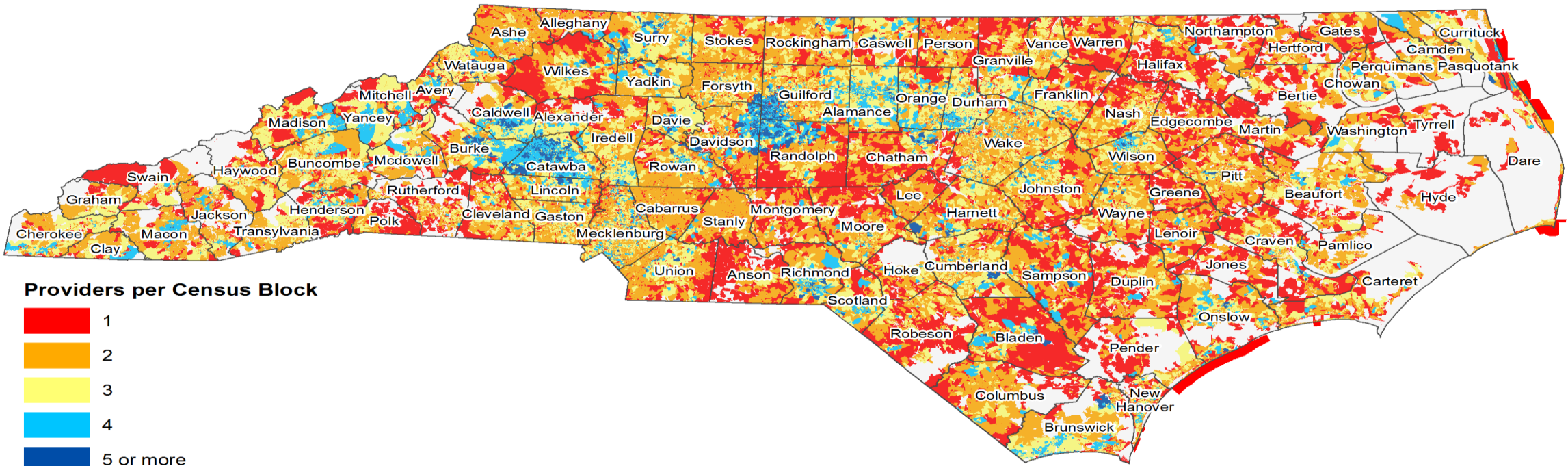*Note: A provider that reports deployment of a particular technology and bandwidth in a census block may not necessarily offer that service everywhere in the block.*

Legend:

— Interstate
☐ County Boundary
■ Water Body
■ Fiber Broadband
■ Cable Broadband
■ DSL Broadband
■ Fixed Wireless Broadband
■ Unserved Areas

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

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0   25   50   100
Miles

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Broadband Availability Challenges

93.7% { • NC Households with Access

95% { • Of Unserved Households are in Rural Areas

Distribution of Residential Broadband Providers in North Carolina

Providers per Census Block

- 1 (red)
- 2 (orange)
- 3 (yellow)
- 4 (cyan)
- 5 or more (dark blue)
- No data for this area (white)

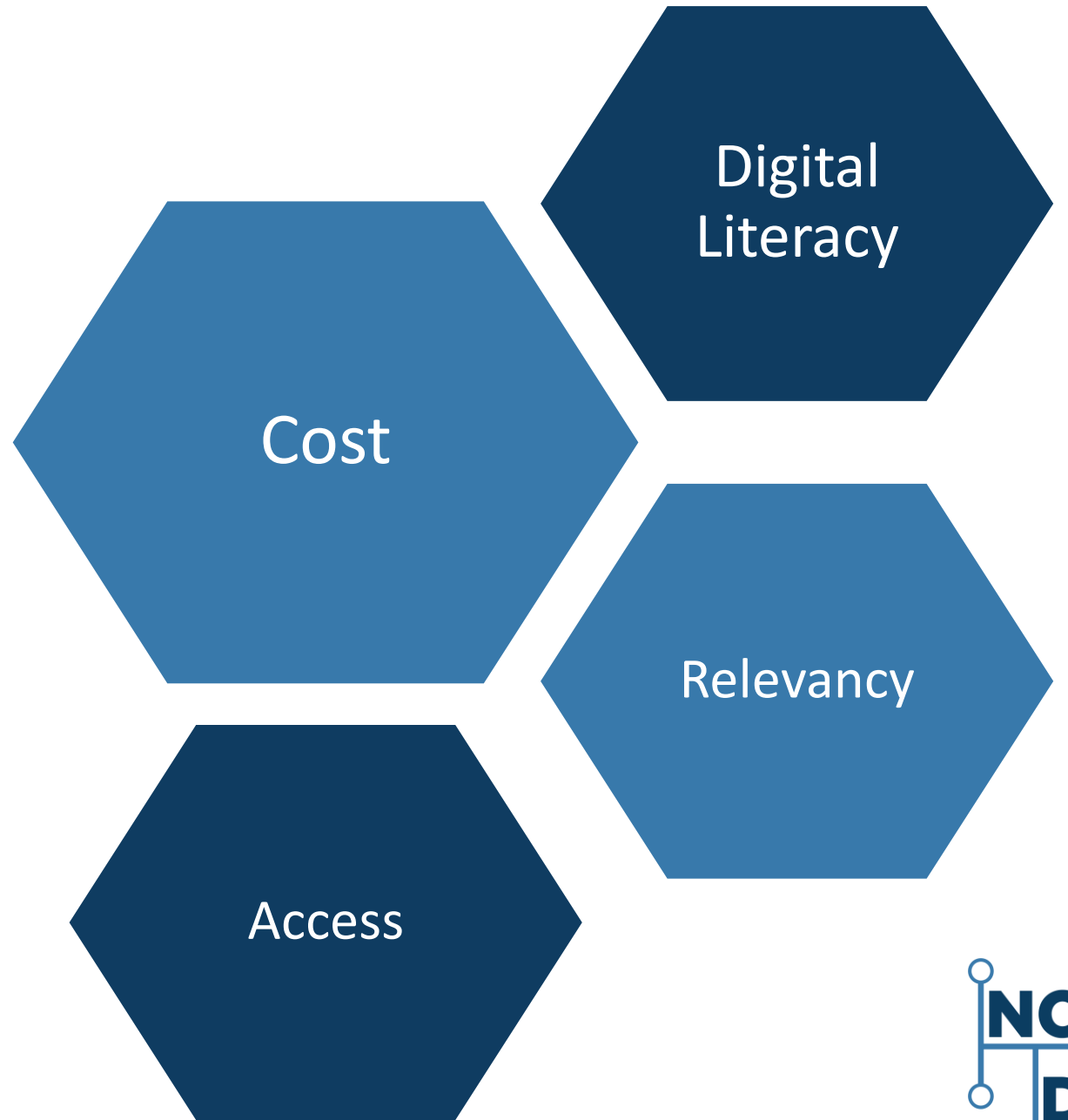| Number of Providers	% Households Served	% Population Served	% Census Blocks Served
1	9%	9%	26%
2	42%	43%	36%
3	34%	34%	19%
4	11%	11%	5%
5 or more	3%	3%	1%

Source: Form 477 Broadband Deployment Data - June 2016 (version 1)
Analysis: Broadband Infrastructure Office & NC CGIA, Mar 2017
Note: Map includes only wireline and fixed wireless residential coverage

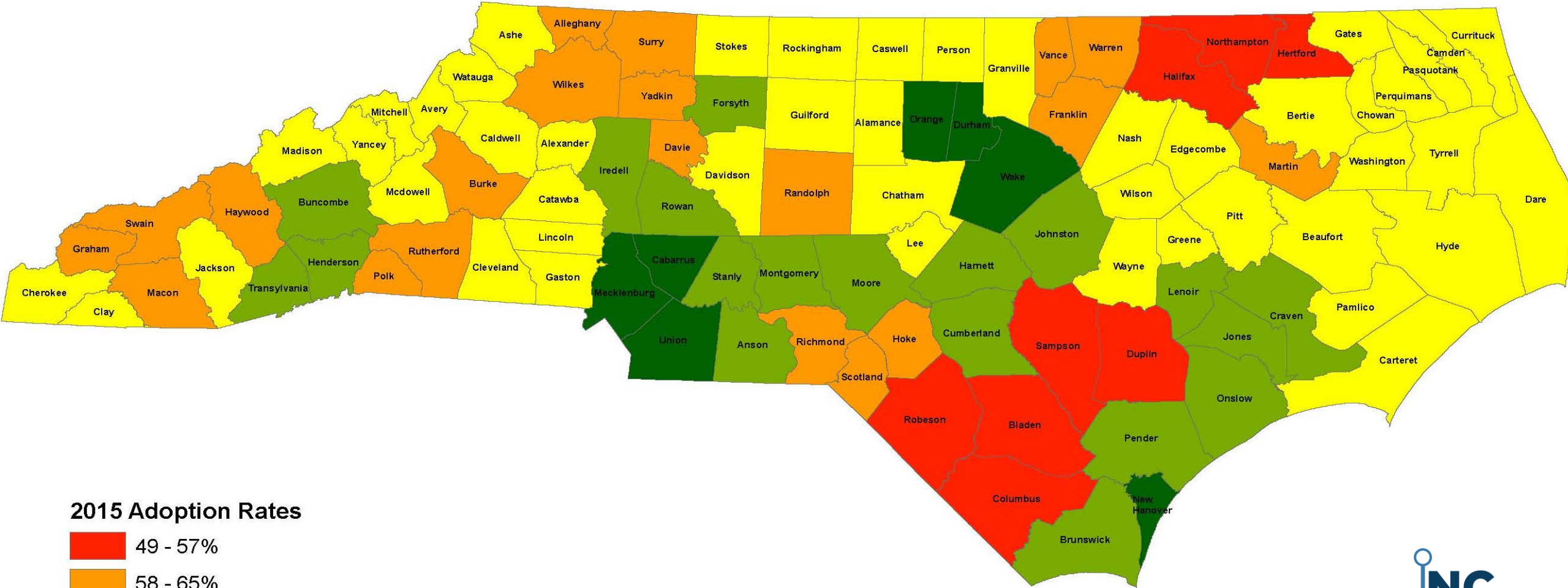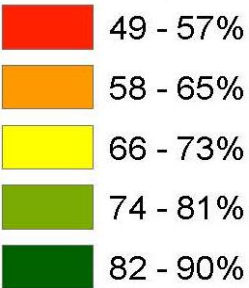NC DIT

2016 Broadband Adoption Rates
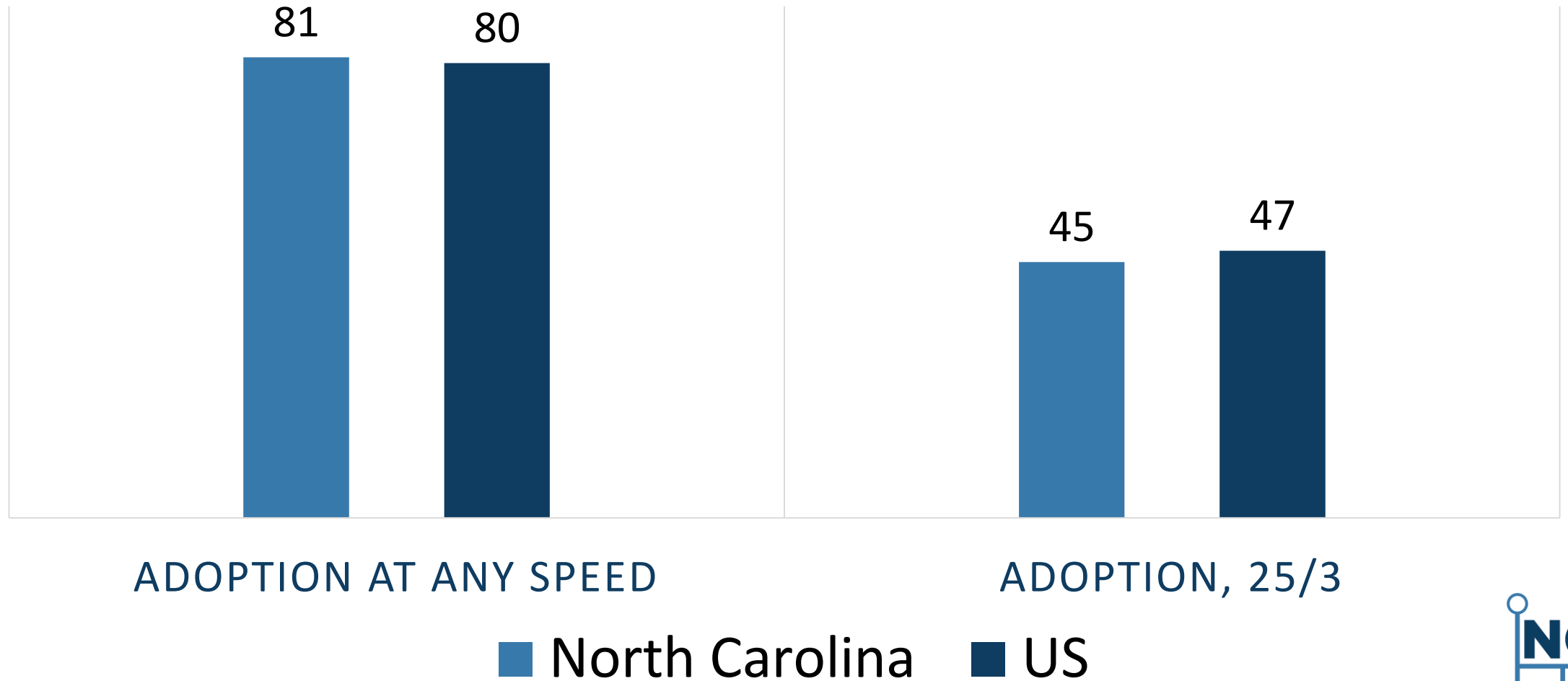
NC Broadband Adoption Rates at all Speeds

Source: American Community Survey

2015 Adoption Rates

- 49 - 57%
- 58 - 65%
- 66 - 73%
- 74 - 81%
- 82 - 90%

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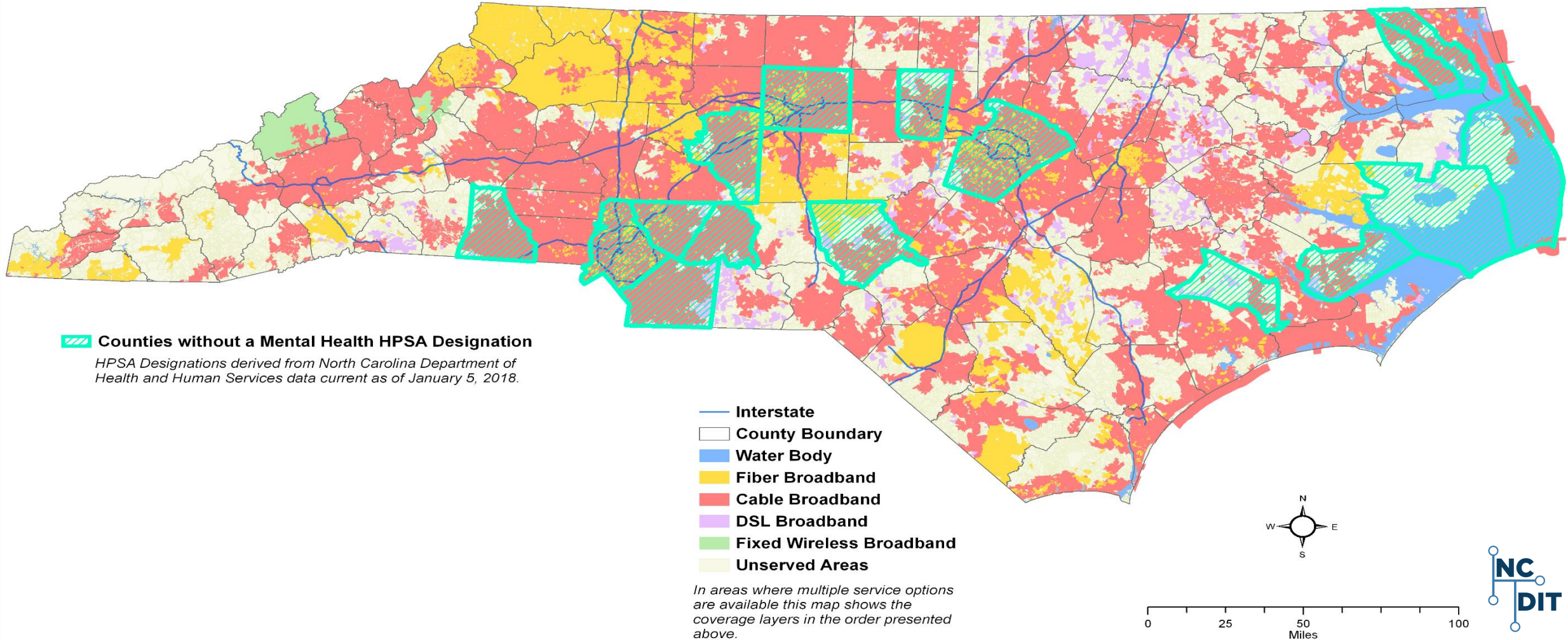# State Broadband Plan Telehealth Recommendations

1. Leverage the federal healthcare connect fund

2. Create best practices

3. Broadband to all healthcare facilities

4. Market low-cost options for broadband at patients' homes

5. Remote monitoring pilots

6. Medical reimbursements for broadband service

7. Develop public-private partnerships

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Counties without a Mental Health HPSA Designation

HPSA Designations derived from North Carolina Department of
Health and Human Services data current as of January 5, 2018.

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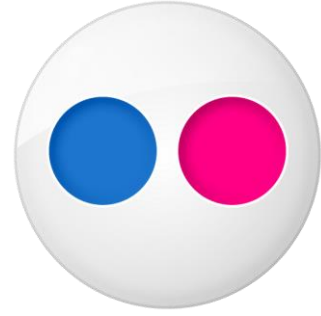Miles

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Continuing the Conversation

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