Joint Legislative Oversight Committee on Information Technology

Jeff Sural
Broadband Infrastructure Office Director

March 8, 2018

NC DIT
Broadband Infrastructure Office

Vision

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

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The Broadband Infrastructure Office

- Community
- Policy
- Programs and Tools

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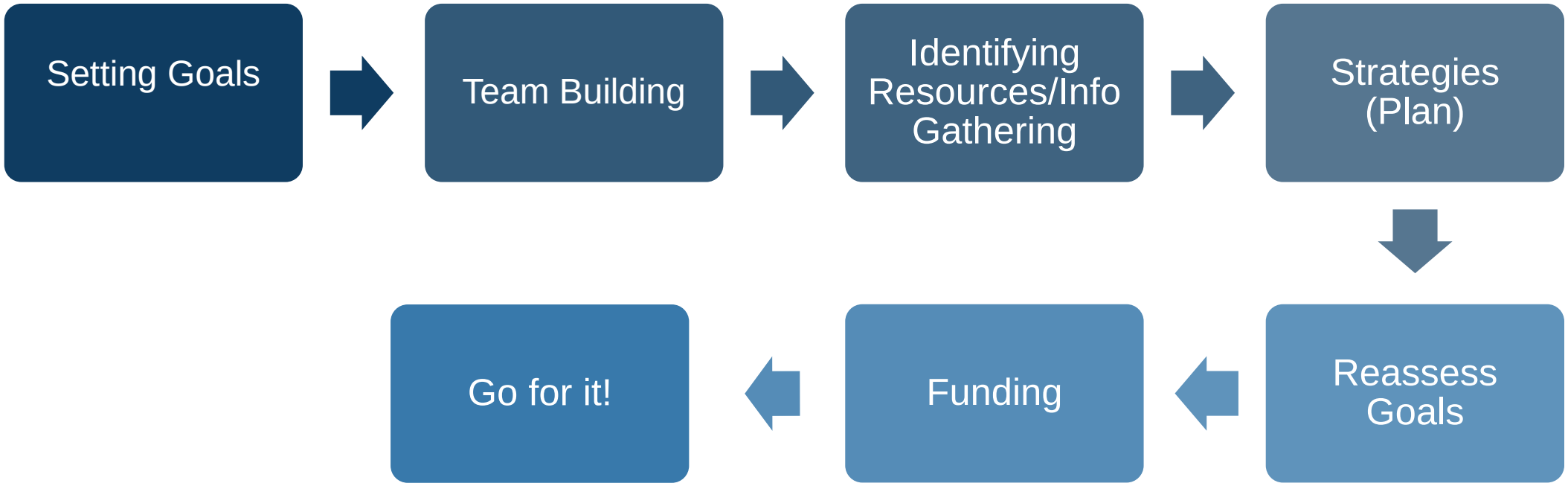
PROCESS AND PLANNING



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Broadband Availability Challenges

93.7% • NC Households with Access

92.3% • US Households with Access

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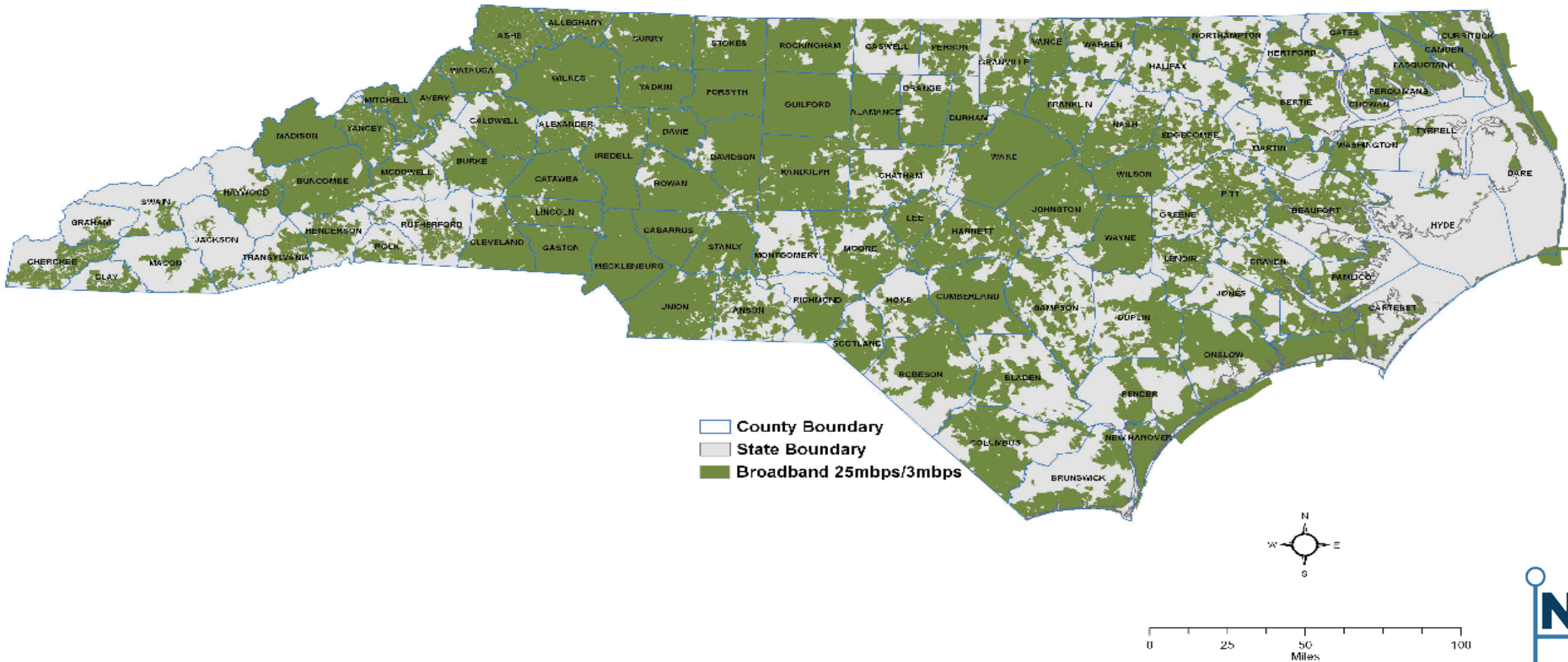
Broadband Service Inventory for North Carolina

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.



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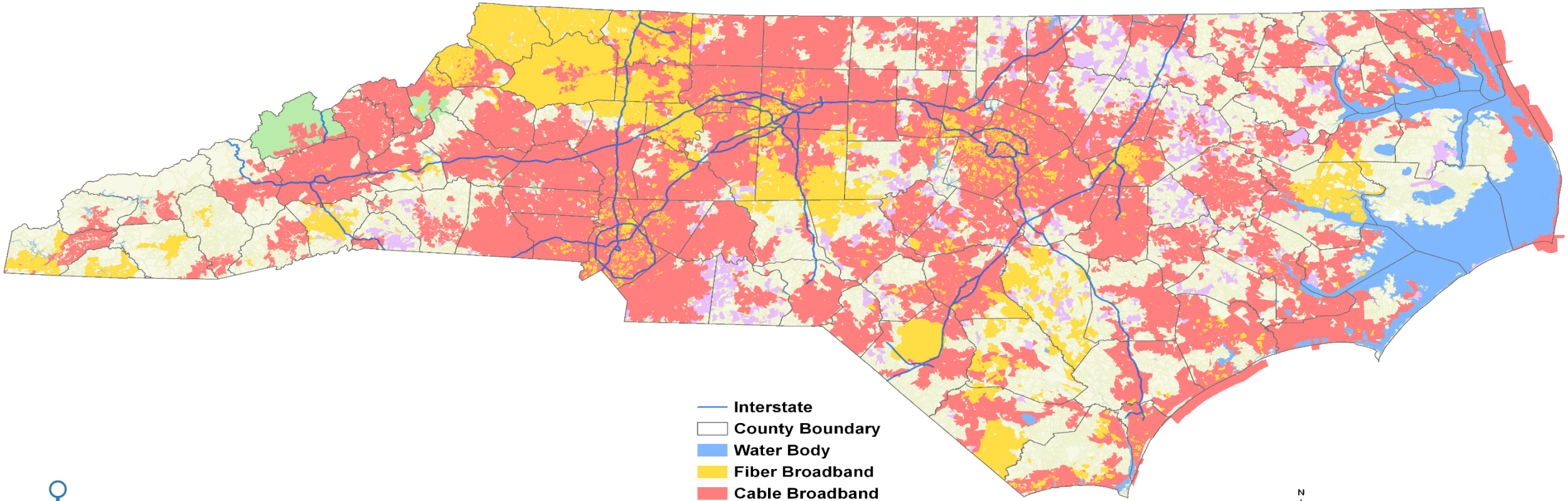

- Interstate
- County Boundary
- Water Body
- Fiber Broadband
- Cable Broadband
- DSL Broadband
- Fixed Wireless Broadband
- Unserved Areas

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

N
W E
S

0 25 50 100
Miles

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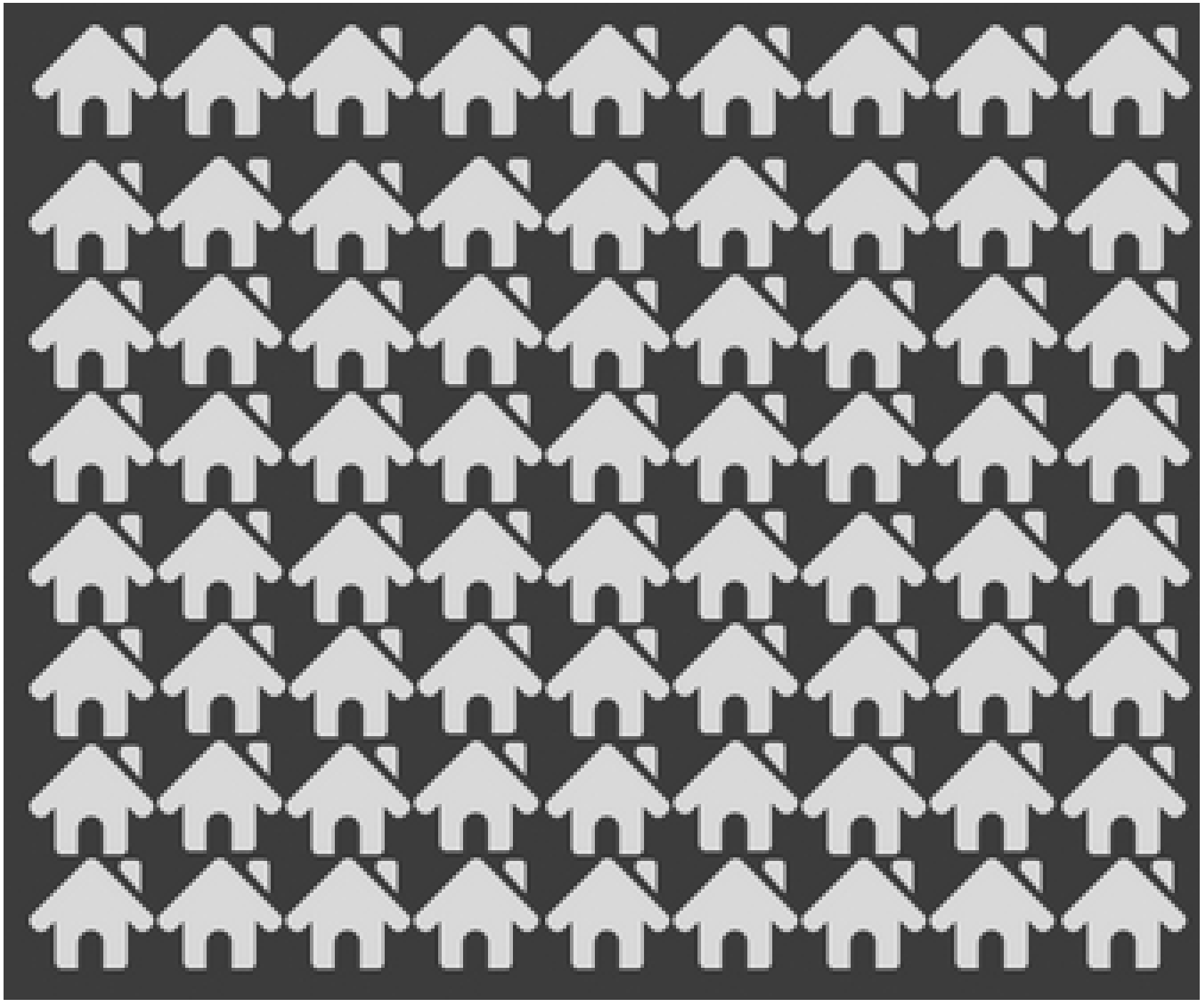

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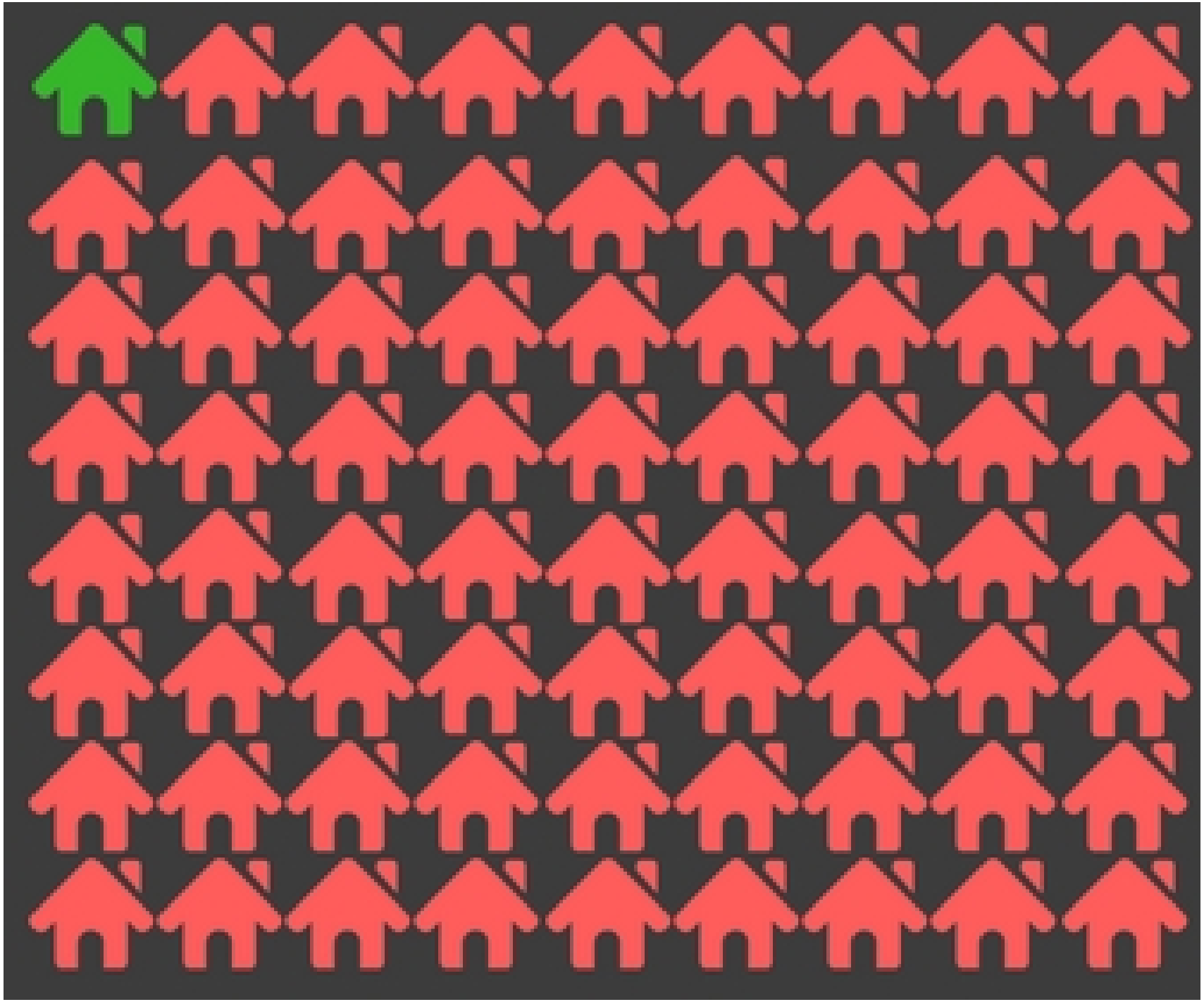

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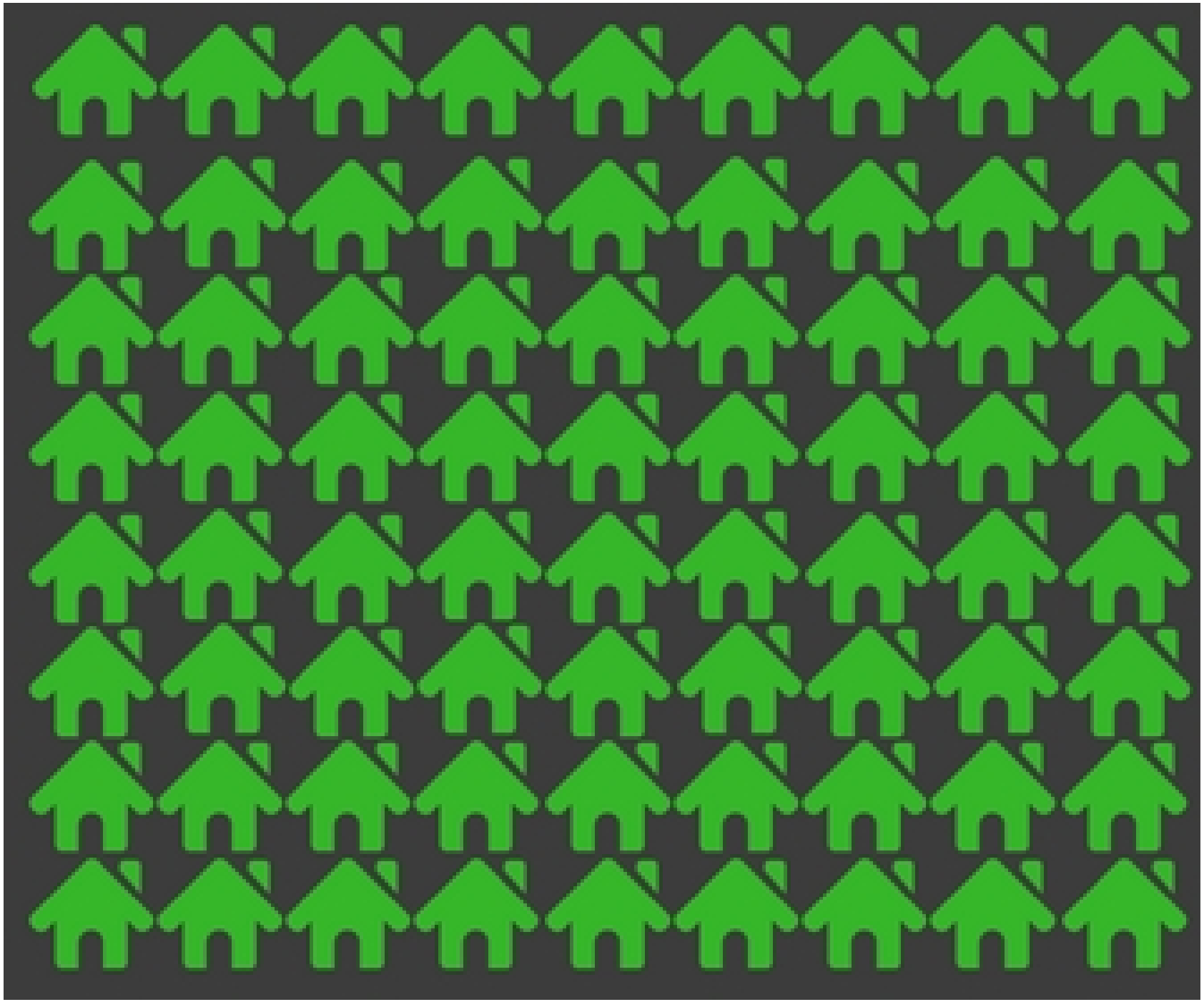

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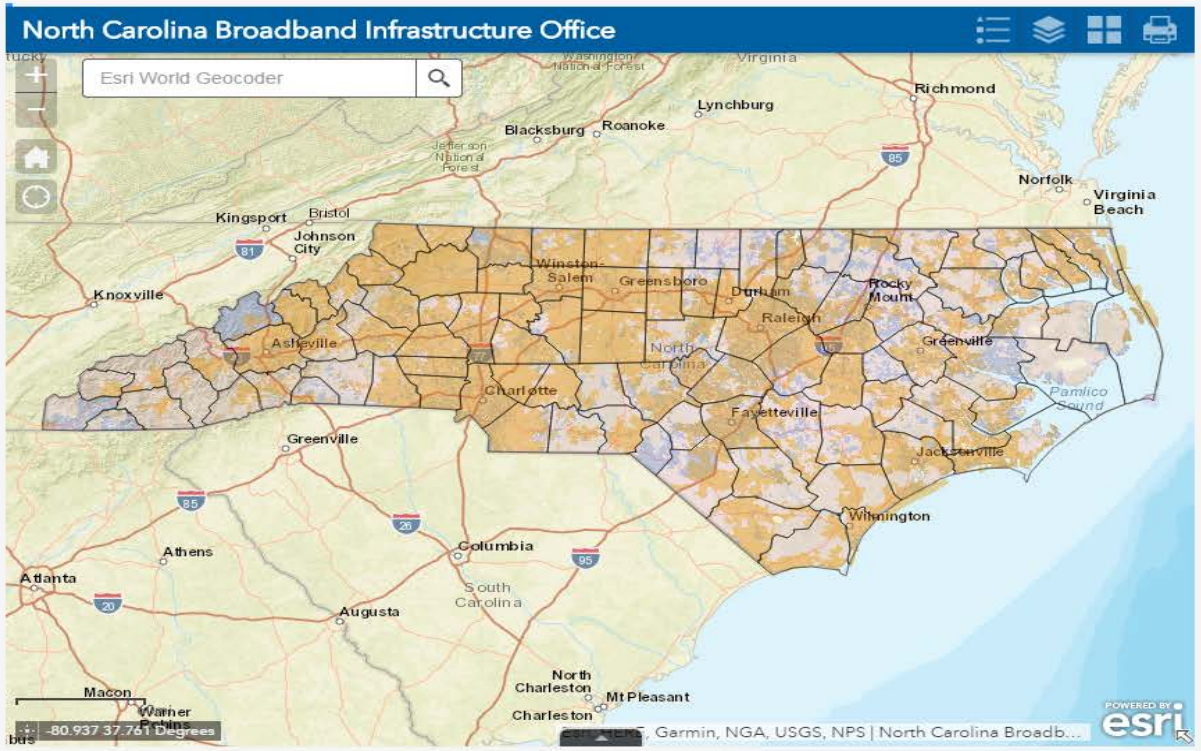
Tools: New Map

NCBroadband.gov/map

N.C. Broadband Map

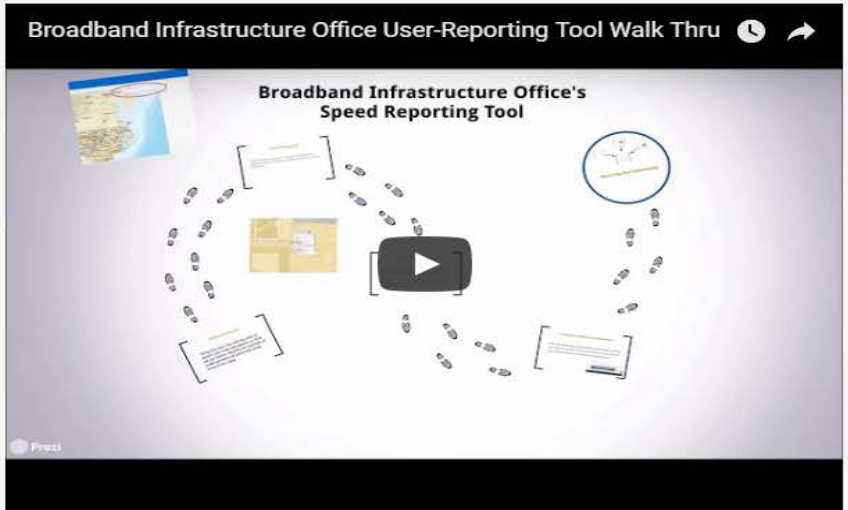


View Larger Map

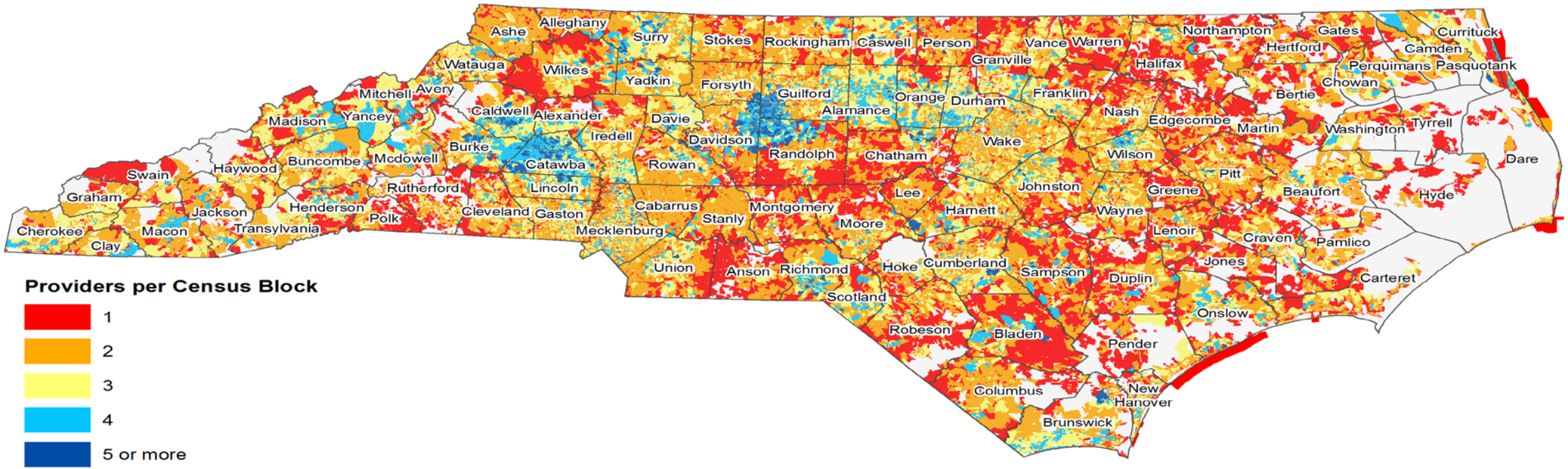
IS YOUR AREA REPRESENTED CORRECTLY?

In an effort to identify the pockets of unserved and underserved areas around the state, we have launched a new user-reporting tool. We want to make sure that the information that we have for homes and businesses around the state is as accurate as possible and getting your feedback is critical to that. This helps us develop strategic plans for improving connectivity in your area.

ADD YOUR INFORMATION



Distribution of Residential Broadband Providers in North Carolina



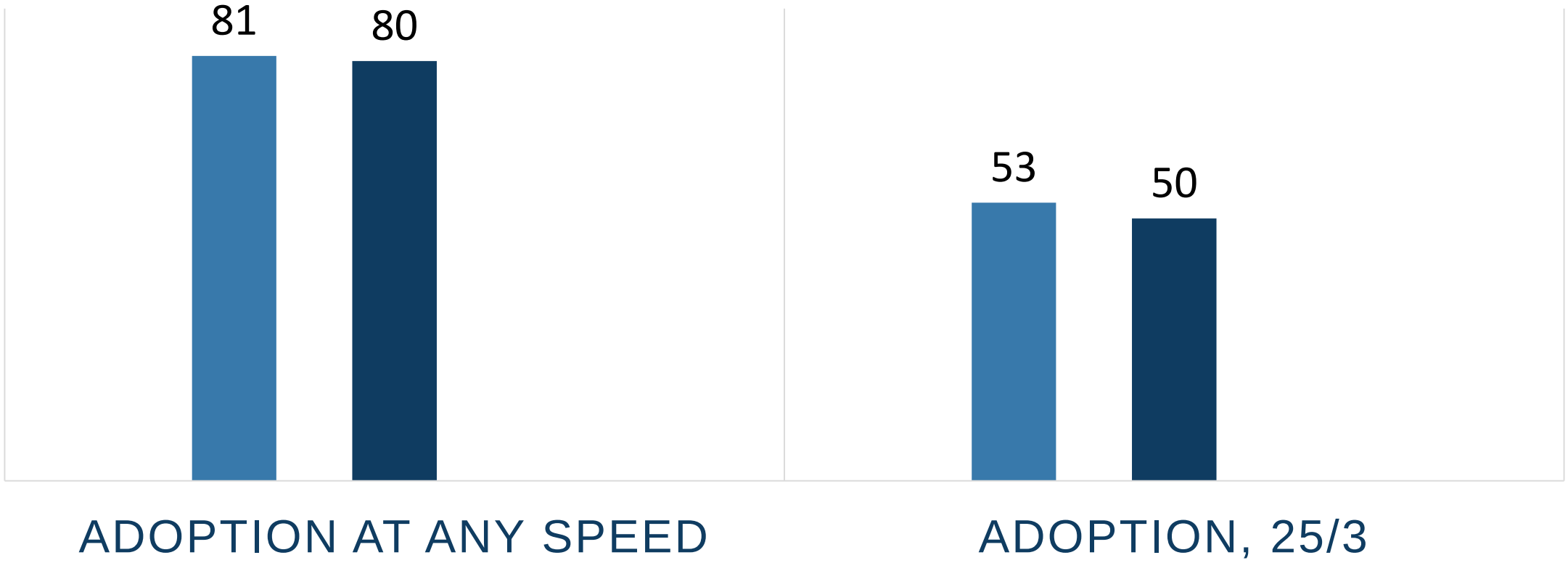
Providers per Census Block

- 1
- 2
- 3
- 4
- 5 or more
- No data for this area

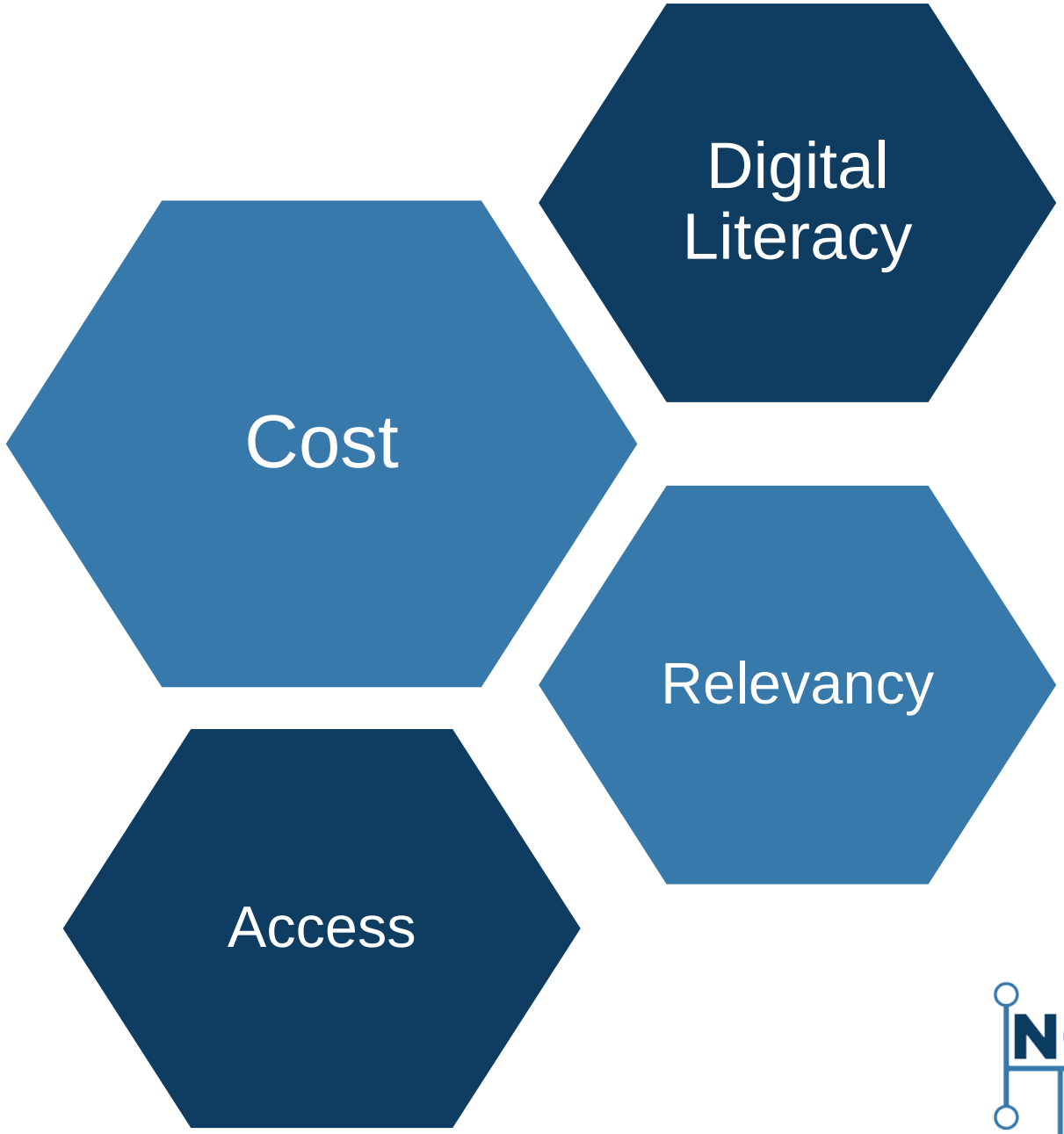
Number of Providers	% Households Served	% Population Served	% Census Blocks Served
1	9%	9%	26%
2	42%	43%	36%
3	34%	34%	19%
4	11%	11%	5%
5 or more	3%	3%	1%

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

2016 Broadband Adoption Rates



Common Barriers to Broadband Adoption



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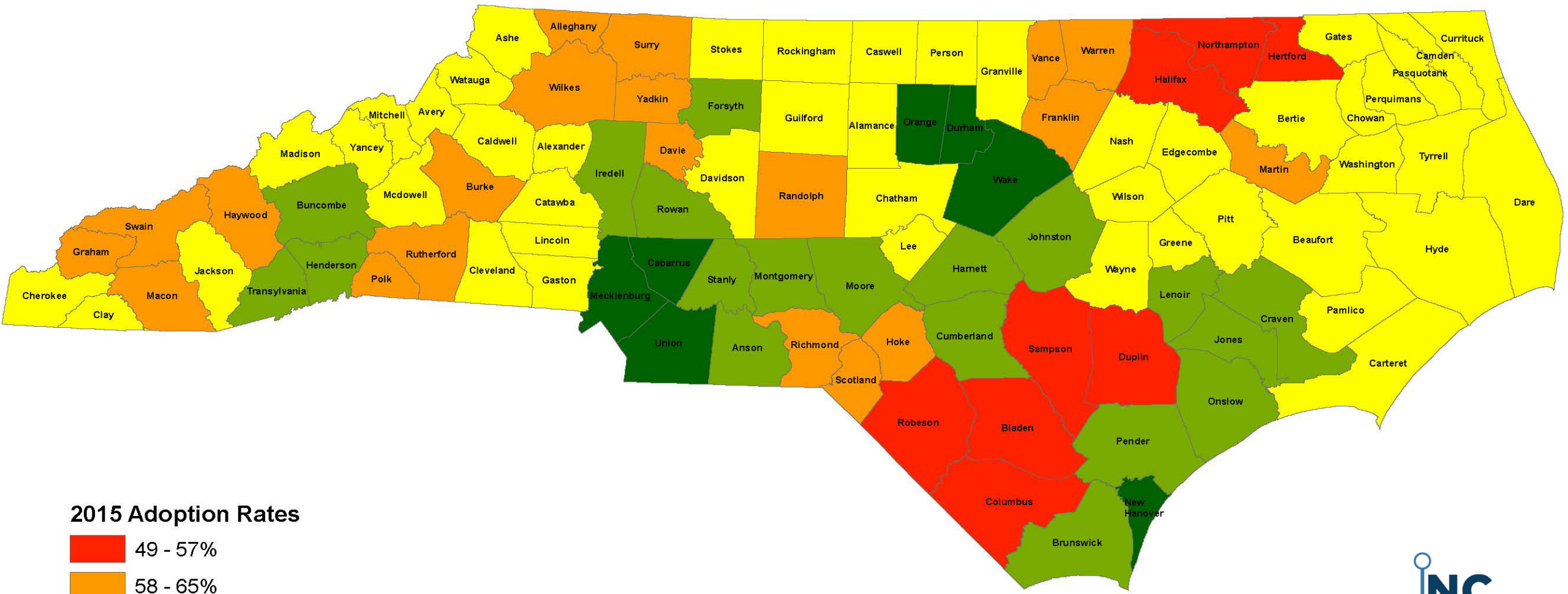
NC Broadband Adoption Rates at all Speeds

Source: American Community Survey



2015 Adoption Rates

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

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CONNECTING NORTH CAROLINA

- Cherokee, Clay, Graham, Macon, Swain, Haywood, Jackson: ARC grant feasibility grant
- WestNGN: Multi-county initiative; broadband enhancement
- Roanoke Electric Membership Cooperative: Multi-county initiative
- Connect America Fund II Deployments: over 25,000 locations connected through the Universal Service Fund
- RiverStreet Networks/Wilkes Telecommunication Cooperative: 5500 homes in Stokes Co.

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CONNECTING NORTH CAROLINA

State Broadband Plan

www.ncbroadband.gov/sbp

Key Recommendations

Rural Grant Program

Incentivize investment/reduce barriers:

Next-generation infrastructure

Close the “homework gap”

Create community-based adoption & utilization programs and initiatives

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Let’s Connect!

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@BroadbandIO
@ncicenter

NC Department of Information Technology

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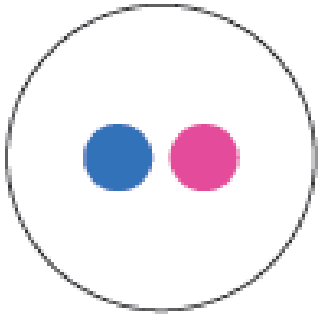

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