



NC DEPARTMENT OF  
**HEALTH AND  
HUMAN SERVICES**

ROY COOPER • Governor

KODY H. KINSLEY • Secretary

MARGARET L. SAUER, MS, MHA • Director, Office of Rural Health

## MEMORANDUM

**TO:** Andrea DeSantis, Policy Advisor  
Governor's Office

**THROUGH:** Debra Farrington – Chief Equity Officer/Deputy Secretary for Kody Kinsley,  
Secretary

**FROM:** Margaret L. Sauer

**RE:** 2021 Annual Health Professional Shortage Area Summary Report

Please find attached to this memorandum a summary report of updates made to North Carolina's Health Professional Shortage Areas (HPSA) for calendar year 2021. HPSA designations are used by the federal National Health Service Corps (NHSC) loan repayment and scholar programs, as well as North Carolina's own state loan repayment program, to identify areas that have shortages of primary care physicians, psychiatrists, or dentists. Some types of HPSA designations also allow physicians practicing in the shortage area to qualify for higher Medicare reimbursement rates. HPSAs are one of the criteria for clinics to apply for CMS certified Rural Health Clinic status. This status may include reimbursement benefits for services provided to Medicare and Medicaid patients. The HPSA program is a vital part of North Carolina's medical provider safety net.

The DHHS Office of Rural Health (ORH) is designated as the North Carolina Primary Care Office (PCO) by the federal Health Resources and Services Administration (HRSA). As North Carolina's PCO, one of the responsibilities is to collect timely and accurate medical provider information and use this information to review HPSA applications and update as needed. Those shortage areas address primary care, dental and mental health. The national HPSA update occurred this past September 2021. This updated all geographic, population, and AutoHPSA.

### 2021 Highlights:

- There were 341 updates (manual & automated) to existing designations because of the 2021 National Shortage Designation Update. The next update has not been scheduled.

### NC DEPARTMENT OF HEALTH AND HUMAN SERVICES • OFFICE OF RURAL HEALTH

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AN EQUAL OPPORTUNITY / AFFIRMATIVE ACTION EMPLOYER

- Of the population or geographic HPSAs, 61% of primary care, 71% of dental health, and 77% of mental health designation scores stayed the same or increased.
- The report includes background, summary, data tables reflecting changes, current designation maps, and maps showing the relative score increases or decreases for population and geographic HPSAs.

Should you have any questions regarding the attached report, please feel free to contact Margaret (Maggie) Sauer, Director, NC Office of Rural Health, at 919-527-6450 or [Maggie.Sauer@dhhs.nc.gov](mailto:Maggie.Sauer@dhhs.nc.gov).

#### Attachments

cc: Debra Farrington  
David Richard  
Charles Carter  
Matt Gross  
Stephanie Nantz



## North Carolina's 2021 Annual Health Professional Shortage Area Summary Report

### Background

The DHHS Office of Rural Health (ORH) is designated as the North Carolina Primary Care Office (PCO) by the federal Health Resources and Services Administration (HRSA). As North Carolina's PCO, one of the responsibilities is to collect timely and accurate medical provider information and use this information to produce new Health Professional Shortage Area (HPSA) applications and to update existing HPSA designations. HPSA designations are used by the federal National Health Service Corps (NHSC) loan repayment and scholar programs, as well as North Carolina's own state loan repayment program, to identify areas that have shortages of primary care physicians, psychiatrists, or dentists. Some types of HPSA designations also allow physicians practicing in the shortage area to qualify for higher Medicare reimbursement rates. HPSAs are also one of the criteria for clinics to apply for Centers for Medicare & Medicaid Services (CMS) certified Rural Health Clinic (RHC) status. RHC certification may include reimbursement benefits for services provided to Medicare and Medicaid patients. The HPSA program is a vital part of North Carolina's medical provider safety net.

As noted in Appendix 2, there is a score associated with each HPSA designation. Scores for primary care and mental health HPSAs range from 0-25. scores for dental HPSAs range from 0-26. This score is used as an indicator of the severity of the shortage (the higher the score, the more severe the shortage). Most of the score is based on the provider-to-population ratio, the poverty level of the designated area, and the distance to the nearest source of care that is not designated as a HPSA or overutilized. The NHSC Federal Loan Repayment and Scholar program awards are based on the HPSA score of the applicant's practice location. Federal awards are made first to the applicants with the highest HPSA scores. Awards continue to applicants with lower scores until all the annual funding has been awarded. The minimum competitive score can vary from year to year based on the number of applicants, the number of HPSAs with high scores nationally, and the funding available.

The Secretary of the Federal Department of Health and Human Services is required to notify the North Carolina Governor about actions taken regarding changes to HPSA status in North Carolina. The Governor's Office can opt to be notified of every individual HPSA action or receive all notifications in an annual summary report. In a May 2015 email to North Carolina's federal

PCO Project Officer, Kristen Jackson, the Governor’s Deputy Chief of Staff, notified the federal Bureau of Health Workforce/Division of Policy and Shortage Designation that the Governor would prefer to be notified annually. The purpose of this report is to provide the annual summary of HPSA updates, and it has been forwarded to Se’Metria Jones, Policy Advisor in the Governor’s Office.

Summary

Shown in the table below, there were new and updated geographic and population HPSA designations during 2021. Most updates were a direct result of the 2021 National Shortage Designation Update.

**Summary of HPSA Designation Changes in 2021**

Category	Type	Proposed/		
		New	Withdrawn	Updates
Primary Care	Geo. Area or Population	3	1	79
	Facility	4	0	52
Dental	Geo. Area or Population	0	7	50
	Facility	4	0	19
Mental Health	Geo. Area or Population	0	1	80
	Facility	4	0	37
Geographic Area or Population 2021 Total		3	0	209
Facility 2021 Total		12	9	108

ORH continues to update its provider data for primary care physicians, psychiatrists, and general/pediatric dentists. ORH will also match Medicaid paid claims and sliding-fee-scale data to those providers. The Medicaid and sliding fee scale data are required for any population HPSA or AutoHPSA reviews. In addition, ORH is updating county water fluoridation rates and substance abuse rates which are used in the dental and mental health reviews, respectively.

HRSA/Shortage Designation Branch will update population and other demographic data, plus Centers for Disease Control and Prevention (CDC) infant mortality and low birthweight data, directly into the Shortage Designation Management System (SDMS) on the federal side.

Seven appendices follow. Appendix 1 consists of a glossary of terms. Appendices 2-4 consist of three tables that show the current primary care, dental, and mental health HPSA designations. Notes describing the changes that occurred in 2021 are also included. Appendices 5-7 consist of three maps that show current primary care, dental, and mental health HPSAs. The counties shown as undesignated counties may have been reviewed and did not meet the criteria for HPSA designation or may have never been reviewed.

## Appendix 1

### Glossary of Terms

**AutoHPSA Facility** - created by Congress as a special class of HPSA designation and includes Federally Qualified Health Centers (FQHCs), Indian Health Service sites, Tribal sites, Urban Indian sites, and some CMS certified Rural Health Clinics (CMS- RHCs). These facilities automatically receive HPSA designation status.

**Correctional Facility** – a state or federal medium- or maximum-security correctional facility

**Geographic Health Professional Shortage Area (HPSA)** - everyone living in the HPSA-defined service area is considered underserved. This designation also qualifies the designated area for a Medicare bonus payment.

**Health Professional Shortage Area (HPSA)** – a federal designation used by the National Health Service Corps (NHSC) loan repayment and scholar programs, as well as North Carolina’s state loan repayment program, to identify areas that have shortages of primary care physicians, psychiatrists, or dentists

**HPSA score** - HPSA scores indicate the severity of the shortage and are used by the NHSC in determining priorities for loan repayment awards and the placement of NHSC Scholars. Scores range from 0 to 25 for primary care and mental health HPSAs and from 0 to 26 for dental HPSAs.

**New HPSA designation** – a HPSA designation that did not exist previously

**Other Facility** – public, private, or non-profit medical facilities demonstrated to serve a designated HPSA area or population group

**Population HPSA** - a specific population living within a HPSA-defined service area that is considered underserved. In NC, these population groups are usually low-income populations (< 200% FPL), a subset of that population, or migrant farmworkers. A service area must have a 200% FPL rate of 30% or higher to be considered for a population HPSA designation.

**Updated HPSA** - a previously existing HPSA that has been reviewed again and remains designated

**Withdrawn** – a HPSA designation that has been reviewed and no longer qualifies or has been replaced by a new type of HPSA designation

## Appendix 2

### North Carolina Primary Care HPSA Designations Changes

County	Pop or Geo Designation	Score	AUTO HPSA	Correctional Facility	NEW OR CHANGE 2021
Alamance	POP	16			
Alexander	POP	16		Y	
Alleghany	POP	16	Y		AutoHPSA Increase in Score, HPSA Decrease in Score
Anson	GEO	16	Y	Y	AutoHPSA Decrease in Score, HPSA Decrease in Score
Ashe	POP	16			HPSA Increase in Score
Avery	POP	17		YY	
Beaufort	POP	18	Y		HPSA Change in Designation Type, HPSA Increase in Score, AutoHPSA Increase in Score
Bertie	POP	20	Y	Y	AutoHPSA Increase in Score
Bladen	POP	20			
Brunswick	POP	17			
Buncombe	POP	8	YY	Y	AutoHPSA Decrease in Score
Burke	POP	18		Y	
Cabarrus	POP	16	Y		AutoHPSA Increase in Score, HPSA Decrease in Score
Caldwell	POP	14	Y		HPSA Change in Designation Type, HPSA Decrease in Score, AutoHPSA Increase in Score
Camden	GEO	13			HPSA Decrease in Score
Carteret	POP	15			
Caswell	POP	18	Y	Y	HPSA Change in Designation Type, AutoHPSA Increase in Score, HPSA Increase in Score
Catawba	POP	16			
Chatham	POP	15			HPSA Change in Service Area, HPSA Increase in Score
Cherokee	POP	17			AutoHPSA Decrease in Score, HPSA Decrease in Score
Chowan	POP	19			HPSA Decrease in Score
Clay	POP	16	Y		HPSA Decrease in Score, New AutoHPSA
Cleveland	POP	20	YYY		AutoHPSA Increase in Score (3)
Columbus	POP	21		YY	
Craven	POP	17	Y		AutoHPSA Increase in Score
Cumberland	POP	19	Y		AutoHPSA Increase in Score
Currituck	GEO	15			
Dare	GEO	11			HPSA Proposed For Withdrawal
Davidson	POP	18			
Davie	none				
Duplin	POP	18	Y		AutoHPSA Increase in Score
Durham	none		Y		AutoHPSA Increase in Score
Edgecombe	POP	21	YY		AutoHPSA Increase in Score (2)
Forsyth	POP	15	Y		HPSA Change in Service Area, HPSA Decrease in Score, AutoHPSA Increase in Score
Franklin	POP	17		Y	

## Appendix 2 (cont.)

### North Carolina Primary Care HPSA Designations Changes

County	Pop or Geo Designation	Score	AUTO HPSA	Correctional Facility	NEW OR CHANGE 2021
Gaston	POP	13	Y		HPSA Change in Designation Type, HPSA Increase in Score, AutoHPSA Increase in Score
Gates	POP	17	Y		HPSA Change in Designation Type, HPSA Increase in Score, AutoHPSA Increase in Score
Graham	POP	12	YY		HPSA Change in Designation Type, HPSA Decrease in Score, HPSA Decrease in Score
Granville	POP	15		YY	HPSA Change in Designation Type, HPSA Increase in Score
Greene	POP	18	Y	Y	AutoHPSA Increase in Score
Guilford	POP	14	Y		HPSA Change in Designation Type, AutoHPSA Decrease in Score, HPSA Decrease in Score
Halifax	POP	17	Y		HPSA Change in Designation Type, AutoHPSA Increase in Score, HPSA Increase in Score,
Harnett	POP	15	Y	Y	HPSA Change in Designation Type, HPSA Increase in Score
Haywood	POP	15			HPSA Decrease in Score
Henderson	POP	8	Y		HPSA Decrease in Score, AutoHPSA Increase in Score
Hertford	POP	16	Y		AutoHPSA Increase in Score, New HPSA
Hoke	POP	17	Y		HPSA Change in Designation Type, HPSA Increase in Score, New AutoHPSA
Hyde	GEO	17	Y		HPSA Change in Service Area, AutoHPSA Decrease in Score, HPSA Increase in Score
Iredell	POP	13			
Jackson	POP	15	YY		HPSA Change in Designation Type, HPSA Decrease in Score, AutoHPSA Increase in Score
Johnston	POP	14	Y		HPSA Change in Designation Type, HPSA Increase in Score, AutoHPSA Decrease in Score
Jones	POP	17			HPSA Decrease in Score
Lee	POP	18			HPSA Decrease in Score
Lenoir	POP	18	Y		AutoHPSA Increase in Score
Lincoln	POP	16			HPSA Decrease in Score
Macon	POP	17	Y		HPSA Decrease in Score, AutoHPSA Decrease in Score
Madison	POP	14	Y		HPSA Decrease in Score, AutoHPSA Decrease in Score
Martin	POP	18			HPSA Decrease in Score
McDowell	POP	19	YYYY	Y	AutoHPSA Increase in Score (3)
Mecklenburg	POP	19	YY		AutoHPSA Increase in Score (2)
Mitchell	POP	18	YY		HPSA Change in Designation Type, HPSA Decrease in Score, AutoHPSA Decrease in Score, AutoHPSA Increase in Score
Montgomery	POP	19			HPSA Change in Designation Type, HPSA Increase in Score
Moore	none				
Nash	POP	18		YY	
New Hanover	none		Y		AutoHPSA Increase in Score

## Appendix 2 (cont.)

### North Carolina Primary Care HPSA Designations Changes

County	Pop or Geo Designation	Score	AUTO HPSA	Correctional Facility	NEW OR CHANGE 2021
Northampton	GEO	19			HPSA Increase in Score
Onslow	GEO	11			HPSA Increase in Score
Orange	none		Y		AutoHPSA Increase in Score
Pamlico	POP	15			HPSA Change in Service Area
Pasquotank	POP	10		Y	HPSA Change in Designation Type, HPSA Decrease in Score
Pender	POP	17	Y	Y	AutoHPSA Increase in Score
Perquimans	POP	15			HPSA Decrease in Score
Person	GEO	10	Y		AutoHPSA Increase in Score, HPSA Increase in Score
Pitt	POP	20			
Polk	POP	8			HPSA Decrease in Score
Randolph	POP	17	Y		AutoHPSA Decrease in Score
Richmond	POP	19		Y	HPSA Change in Designation Type, HPSA Decrease in Score
Robeson	POP	19	YYYY	Y	HPSA Change in Designation Type, HPSA Increase in Score, AutoHPSA Increase in Score (3)
Rockingham	POP	18			
Rowan	POP	19		Y	HPSA Increase in Score
Rutherford	POP	17			HPSA Decrease in Score
Sampson	POP	16	Y	Y	AutoHPSA Increase in Score
Scotland	POP	18	YY		HPSA Change in Designation Type, HPSA Decrease in Score, New AutoHPSA (2)
Stanly	POP	17		Y	HPSA Decrease in Score
Stokes	POP	14			HPSA Change in Service Area, HPSA Increase in Score
Surry	POP	18			HPSA Increase in Score
Swain	POP	17	YYY		HPSA Decrease in Score
Transylvania	POP	17			HPSA Increase in Score
Tyrrell	GEO	17			HPSA Decrease in Score
Union	POP	10			New HPSA
Vance	POP	15			HPSA Change in Designation Type, HPSA Decrease in Score
Wake	none		YYY	Y	AutoHPSA Increase in Score
Warren	POP	19			HPSA Decrease in Score
Washington	GEO	18			HPSA Increase in Score
Watauga	none		Y		AutoHPSA Increase in Score
Wayne	POP	18		Y	
Wilkes	POP	18	Y		AutoHPSA Increase in Score
Wilson	POP	17	Y		HPSA Change in Designation Type, HPSA Increase in Score, AutoHPSA Increase in Score
Yadkin	POP	18			New HPSA
Yancey	POP	18	Y		

## North Carolina Primary Care HPSA Designations

### Summary

93	Counties with a Population or Geographic HPSA
83	Population
10	Geographic
7	Counties without a Population or Geographic HPSA
3	More than 30% at the 200% Poverty Level
4	Less than 30% at the 200% Poverty Level
4	Counties with only an Auto HPSA
0	Counties with only a Correctional Facility

### Footnotes:

\*Primary Site only, does not include FQHC satellite sites.

Note: Each "Y" represents one facility.

## Appendix 3

### North Carolina Dental Health HPSA Designation Changes

County	Pop or Geo Designation	Score	AUTO HPSA	Correctional Facility	NEW OR CHANGE 2021
Alamance	POP	18			
Alexander	POP	16		Y	
Alleghany	POP	20	Y		HPSA Increase in Score
Anson	POP	17	Y	Y	HPSA Decrease in Score
Ashe	POP	18			
Avery	POP	18		YY	
Beaufort	POP	17	Y		HPSA Decrease in Score
Bertie	POP	20	Y	Y	
Bladen	POP	20			
Brunswick	POP	17			HPSA Proposed for Withdrawal
Buncombe	POP	15	YY		AutoHPSA Decrease in Score (2)
Burke	POP	17		Y	
Cabarrus	POP	15	YY		HPSA Change in Service Area, HPSA Decrease in Score
Caldwell	POP	17	Y		HPSA Decrease in Score, AutoHPSA Decrease in Score.
Camden	GEO	11			
Carteret	POP	18			HPSA Proposed for Withdrawal
Caswell	POP	18	Y		HPSA Decrease in Score
Catawba	POP	15			HPSA Change in Designation Type, HPSA Decrease in Score
Chatham	POP	18			HPSA Change in Service Area, HPSA Increase in Score
Cherokee	POP	18	Y		AutoHPSA Decrease in Score
Chowan	POP	17			HPSA Change in Designation Type, HPSA Decrease in Score
Clay	POP	16	Y		New AutoHPSA, HPSA Decrease in Score
Cleveland	POP	19	YYY		AutoHPSA Decrease in Score
Columbus	POP	20		YY	
Craven	POP	18	Y		
Cumberland	POP	17	Y		AutoHPSA Increase in Score
Currituck	GEO	10			
Dare	GEO	15			HPSA Proposed for Withdrawal
Davidson	POP	17			
Davie	POP	17			HPSA Change in Service Area, HPSA Increase in Score
Duplin	POP	20	Y		
Durham	POP	17	Y		
Edgecombe	POP	20	YY		AutoHPSA Decrease in Score
Forsyth	POP	17	Y		
Franklin	POP	16		Y	HPSA Decrease in Score
Gaston	POP	15	Y		HPSA Decrease in Score, AutoHPSA Decrease in Score.
Gates	POP	15	Y		HPSA Decrease in Score
Graham	POP	18	YY		HPSA Decrease in Score, AutoHPSA Decrease in Score (2)

## Appendix 3 (cont.)

### North Carolina Dental Health HPSA Designation Changes

County	Pop or Geo Designation	Score	AUTO HPSA	Correctional Facility	NEW OR CHANGE 2021
Granville	POP	16			HPSA Decrease in Score
Greene	POP	20	Y	Y	
Guilford	POP	17	Y		AutoHPSA Decrease in Score
Halifax	POP	19	Y		
Harnett	POP	17	Y	Y	
Haywood	POP	16			HPSA Decrease in Score
Henderson	POP	15	Y		HPSA Proposed for Withdrawal
Hertford	POP	20	Y		
Hoke	POP	19	Y		New AutoHPSA
Hyde	POP	19	Y		AutoHPSA Decrease in Score
Iredell	GEO	10			HPSA Proposed for Withdrawal
Jackson	POP	18	YY		HPSA Decrease in Score
Johnston	POP	15	Y		
Jones	POP	19			HPSA Increase in Score
Lee	POP	17			
Lenoir	POP	19	Y		
Lincoln	POP	15			
Macon	POP	18	Y		HPSA Decrease in Score, AutoHPSA Decrease in Score.
Madison	POP	18	Y		AutoHPSA Decrease in Score
Martin	POP	17			HPSA Decrease in Score
McDowell	POP	18	YYYYY		
Mecklenburg	POP	19	YY		
Mitchell	POP	16	YY		HPSA Decrease in Score
Montgomery	POP	17			HPSA Decrease in Score
Moore	GEO	14			HPSA Proposed for Withdrawal
Nash	POP	17		Y	
New Hanover	POP	17	Y		
Northampton	POP	20			
Onslow	POP	15			
Orange	GEO	4	Y		HPSA Proposed for Withdrawal
Pamlico	POP	16			
Pasquotank	POP	17			
Pender	POP	18	Y		HPSA Decrease in Score, AutoHPSA Increase in Score
Perquimans	POP	18			
Person	POP	18	Y		AutoHPSA Increase in Score
Pitt	POP	19			
Polk	POP	16			
Randolph	POP	18	Y		AutoHPSA Decrease in Score

### Appendix 3 (cont.)

#### North Carolina Dental Health HPSA Designation Changes

County	Pop or Geo Designation	Score	AUTO HPSA	Correctional Facility	NEW OR CHANGE 2021
Richmond	POP	19			
Robeson	POP	21	YYYY	Y	HPSA Decrease in Score
Rockingham	POP	17			
Rowan	POP	17			
Rutherford	POP	17			HPSA Decrease in Score
Sampson	POP	20	Y	Y	
Scotland	POP	19	YY	Y	HPSA Change in Designation Type, HPSA Decrease in Score, New AutoHPSA (2)
Stanly	POP	15		Y	HPSA Decrease in Score
Stokes	POP	16			
Surry	POP	18			
Swain	POP	17	YYY		HPSA Decrease in Score
Transylvania	POP	16			
Tyrrell	POP	14			
Union	POP	15			HPSA Change in Designation Type, HPSA Decrease in Score
Vance	POP	20			
Wake	POP	15	YYY	YY	HPSA Decrease in Score
Warren	POP	17			HPSA Change in Designation Type, HPSA Decrease in Score
Washington	POP	19			
Watauga	POP	20	Y		HPSA Decrease in Score
Wayne	POP	19			
Wilkes	POP	17	Y		HPSA Decrease in Score, AutoHPSA Increase in Score
Wilson	POP	19	Y		
Yadkin	POP	18			
Yancey	POP	17	Y		HPSA Decrease in Score, AutoHPSA Decrease in Score.

## North Carolina Dental Health Care HPSA Designations

### Summary

100	Counties with a Population or Geographic HPSA
94	Population
6	Geographic
0	Counties without a Population or Geographic HPSA
0	More than 30% at the 200% Poverty Level
0	Less than 30% at the 200% Poverty Level
0	Counties with only an Auto HPSA
0	Counties with only a Correctional Facility

### Footnotes:

\*Primary Site only, does not include FQHC satellite sites.

Note: Each "Y" represents one facility.

## Appendix 4

### North Carolina Mental Health HPSA Designation Changes

County	Pop or Geo Designation	Score	AUTO HPSA	Correctional Facility	NEW OR CHANGE 2021
Alamance	POP	17			
Alexander	POP	16		Y	
Alleghany	GEO	15	Y		HPSA Increase in Score, AutoHPSA Increase in Score
Anson	POP	16	Y	Y	HPSA Decrease in Score
Ashe	GEO	17			
Avery	POP	14		YY	HPSA Increase in Score
Beaufort	POP	17	Y		HPSA Increase in Score
Bertie	POP	16	Y	Y	HPSA Change in Service Area, HPSA Decrease in Score, AutoHPSA Increase in Score
Bladen	GEO	19			HPSA Increase in Score
Brunswick	POP	18			HPSA Proposed for Withdrawal
Buncombe	POP	16	YY	Y	AutoHPSA Increase in Score (2)
Burke	POP	18		Y	
Cabarrus	none		Y		AutoHPSA Increase in Score
Caldwell	POP	17	Y		HPSA Decrease in Score, AutoHPSA Decrease in Score
Camden	GEO	13			HPSA Increase in Score
Carteret	GEO	17			HPSA Change in Designation Type
Caswell	POP	15	Y	Y	HPSA Decrease in Score
Catawba	POP	16			HPSA Change in Designation Type, HPSA Increase in Score
Chatham	POP	16			HPSA Change in Service Area
Cherokee	POP	16			HPSA Change in Designation Type, HPSA Increase in Score, AutoHPSA Decrease in Score
Chowan	GEO	17			HPSA Decrease in Score
Clay	POP	11	Y		HPSA Decrease in Score, New AutoHPSA
Cleveland	none		YYY		AutoHPSA Decrease in Score
Columbus	GEO	19		YY	HPSA Increase in Score
Craven	POP	18	Y		AutoHPSA Increase in Score
Cumberland	POP	17	Y		AutoHPSA Increase in Score
Currituck	GEO	14			HPSA Decrease in Score
Dare	GEO	16			HPSA Change in Designation Type
Davidson	none				
Davie	POP	16			HPSA Change in Service Area, HPSA Increase in Store
Duplin	GEO	19	Y		HPSA Increase in Score, AutoHPSA Increase in Score
Durham	POP	18	Y		AutoHPSA Decrease in Score
Edgecombe	POP	17	YY		HPSA Decrease in Score, AutoHPSA Increase in Score (2)
Forsyth	POP	18	Y		HPSA Change in Service Area, HPSA Decrease in Score
Franklin	POP	16		Y	

## Appendix 4 (cont.)

### North Carolina Mental Health HPSA Designation Changes

County	Pop or Geo Designation	Score	AUTO HPSA	Correctional Facility	NEW OR CHANGE 2021
Gaston	POP	13	Y		HPSA Change in Designation Type, HPSA Decrease in Score, AutoHPSA Increase in Score
Gates	POP	11	Y		HPSA Change in Service Area, HPSA Change in Designation Type, HPSA Decrease in Score
Graham	GEO	14	YY		HPSA Decrease in Score, AutoHPSA Decrease in Score (2)
Granville	POP	16		YY	
Greene	POP	16	Y		AutoHPSA Increase in Score
Guilford	POP	18	Y		
Halifax	POP	18	Y		
Harnett	POP	18	Y	Y	
Haywood	POP	16			HPSA Decrease in Score
Henderson	POP	16	Y		AutoHPSA Increase in Score
Hertford	POP	13	Y		HPSA Change in Service Area, HPSA Change in Designation Type, HPSA Decrease in Score, AutoHPSA Increase in Score
Hoke	POP	18			HPSA Increase in Score, New AutoHPSA
Hyde	GEO	16	Y		HPSA Increase in Score, AutoHPSA Decrease in Score
Iredell	POP	15			
Jackson	GEO	7	YY		HPSA Decrease in Score
Johnston	POP	16	Y		HPSA Decrease in Score
Jones	POP	15			
Lee	POP	17			
Lenoir	POP	15	Y		HPSA Decrease in Score, AutoHPSA Decrease In Score
Lincoln	POP	16			HPSA Increase in Score
Macon	POP	17	Y		HPSA Change in Designation Type, HPSA Increase in Score
Madison	POP	16	Y		AutoHPSA Decrease in Score
Martin	POP	16			HPSA Change in Designation Type, HPSA Increase in Score
McDowell	GEO	17	YYYYY	Y	HPSA Change in Designation Type, HPSA Increase in Score, AutoHPSA Decrease in Score
Mecklenburg	POP	18	YY		AutoHPSA Increase In Score (2)
Mitchell	POP	16	YY		
Montgomery	GEO	19		Y	HPSA Change in Designation Type, HPSA Decrease in Score
Moore	none				
Nash	POP	17		Y	HPSA Decrease in Score
New Hanover	POP	19	Y		AutoHPSA Increase in Score
Northampton	POP	16			HPSA Change in Designation Type, HPSA Decrease in Score
Onslow	GEO	17			HPSA Increase in HPSA Score
Orange	none		Y		
Pamlico	POP	13			HPSA Decrease in Score
Pasquotank	POP	18			

## Appendix 4 (cont.)

### North Carolina Mental Health HPSA Designation Changes

County	Pop or Geo Designation	Score	AUTO HPSA	Correctional Facility	NEW OR CHANGE 2021
Pender	POP	17	Y	Y	AutoHPSA Decrease in Score
Perquimans	GEO	16			HPSA Decrease in Score
Person	POP	17	Y		AutoHPSA Increase in Score
Pitt	POP	17			
Polk	POP	16			
Randolph	POP	16	Y		HPSA Increase in Score
Richmond	GEO	18		Y	HPSA Increase in Score
Robeson	GEO	18	YYYYY	Y	HPSA Increase in Score, AutoHPSA Increase in Score (3)
Rockingham	POP	18			HPSA Change in Designation Type, HPSA Increase in Score
Rowan	POP	17		Y	HPSA Change in Designation Type, HPSA Increase in Score
Rutherford	POP	16			
Sampson	GEO	18	Y	Y	HPSA Increase in Score, AutoHPSA Increase in Score
Scotland	GEO	19	YY	Y	HPSA Increase in Score, New AutoHPSA (2)
Stanly	POP	12		Y	HPSA Decrease in Score
Stokes	POP	17			
Surry	POP	17			HPSA Change in Designation Type, HPSA Increase in Score
Swain	POP	18			HPSA Change in Designation Type, HPSA Decrease in Score
Transylvania	POP	16			
Tyrrell	POP	12			HPSA Increase in Score
Union	POP	15			HPSA Decrease in Score
Vance	POP	19			HPSA Increase in Score
Wake	none		YYY		AutoHPSA Increase in Score
Warren	GEO	14		Y	HPSA Decrease in Score
Washington	GEO	16			HPSA Increase in Score
Watauga	POP	18	Y		HPSA Decrease in Score, AutoHPSA Increase in Score
Wayne	POP	18		Y	HPSA Increase in Score
Wilkes	POP	17	Y		HPSA Decrease in Score, AutoHPSA Increase in Score
Wilson	POP	19	Y		
Yadkin	POP	17			HPSA Change in Designation Type
Yancey	POP	16	Y		AutoHPSA Decrease in Score

## North Carolina Mental Health Care HPSA Designations

### Summary

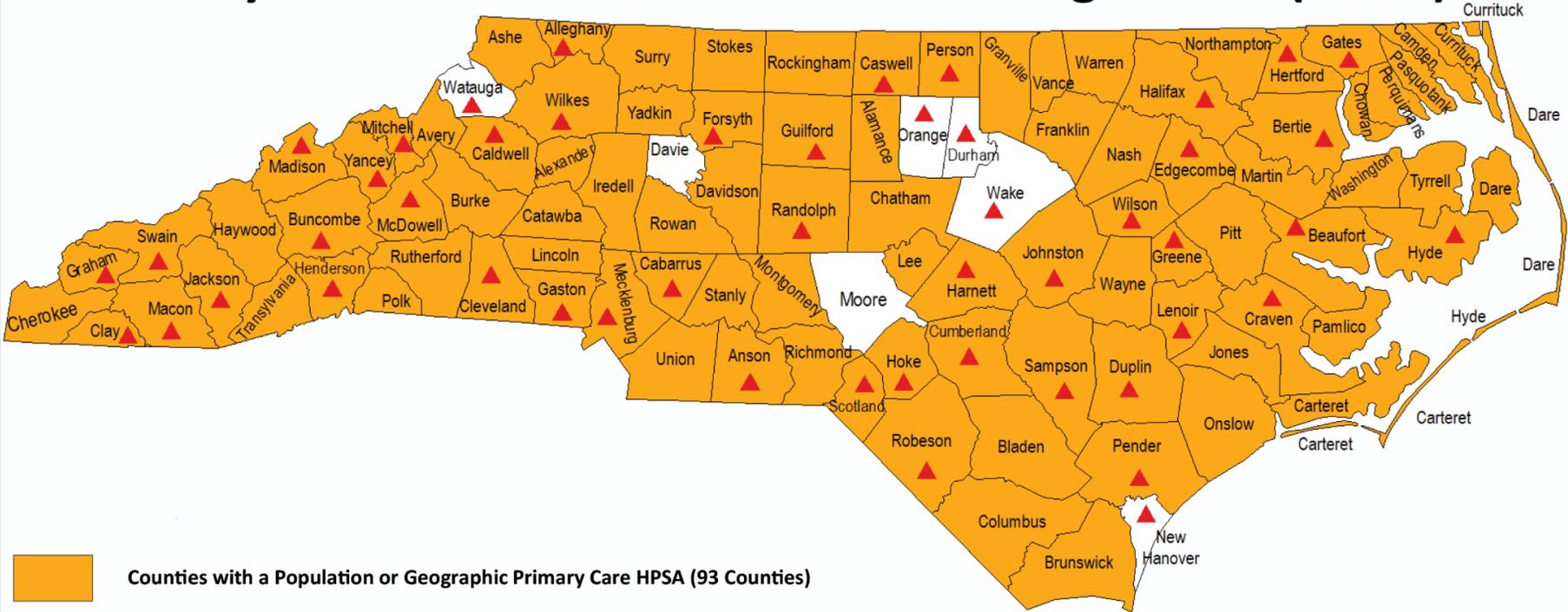
94	Counties with a Population or Geographic HPSA
71	Population
23	Geographic
6	Counties without a Population or Geographic HPSA
2	More than 30% at the 200% Poverty Level
4	Less than 30% at the 200% Poverty Level
4	Counties with only an Auto HPSA
0	Counties with only a Correctional Facility

### Footnotes:

\*Primary Site only, does not include FQHC satellite sites.

Note: Each "Y" represents one facility.

# North Carolina Office of Rural Health Primary Care—Health Professional Shortage Areas (HPSA)



Disclaimers:

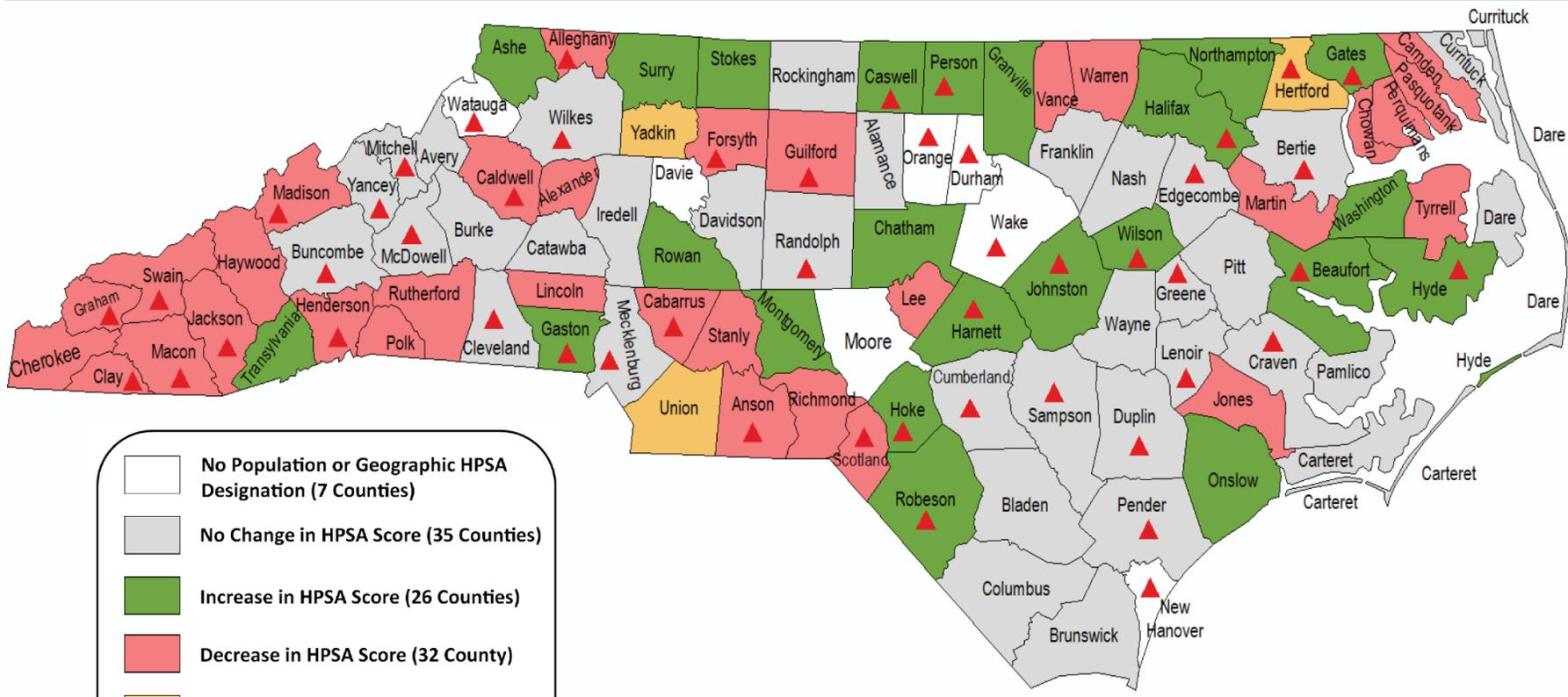
- ▲ Primary site only, does not include Correctional Facilities or Federally Qualified Health Center (FQHC) satellite sites
- ■ Shortage area may be a whole county, a population group or a geographic area within a county
- Counties in white do not have a geographic or population HPSA designation. Those counties either do not meet the criteria for HPSA designation or have not been reviewed.



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Data as of March 18, 2022

# North Carolina Office of Rural Health Primary Care — Health Professional Shortage Areas (HPSA) Changes



- No Population or Geographic HPSA Designation (7 Counties)
- No Change in HPSA Score (35 Counties)
- Increase in HPSA Score (26 Counties)
- Decrease in HPSA Score (32 County)
- New HPSA Score (3 Counties)

▲ Counties with at least one Auto-HPSA Facility (49 Counties)

**Disclaimers:**

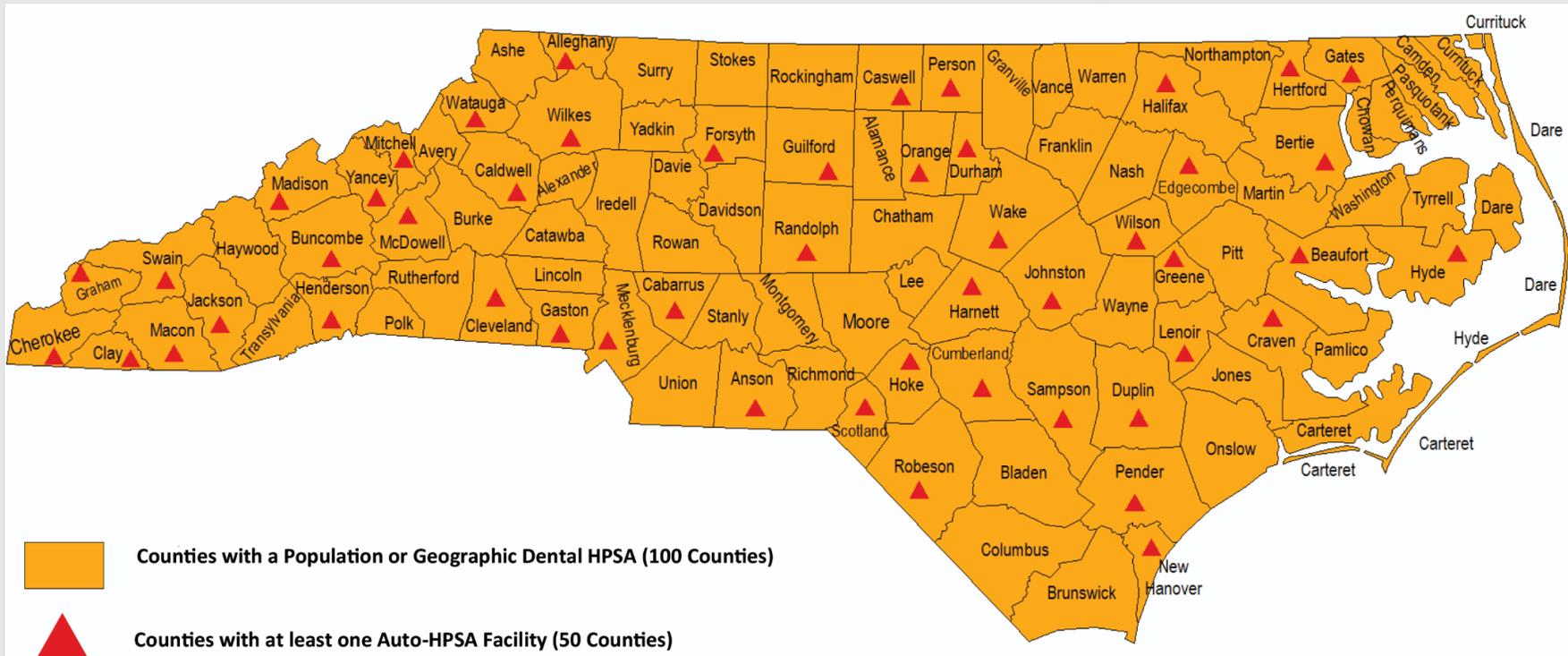
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# North Carolina Office of Rural Health Dental Health—Health Professional Shortage Areas (HPSA)



Disclaimers:

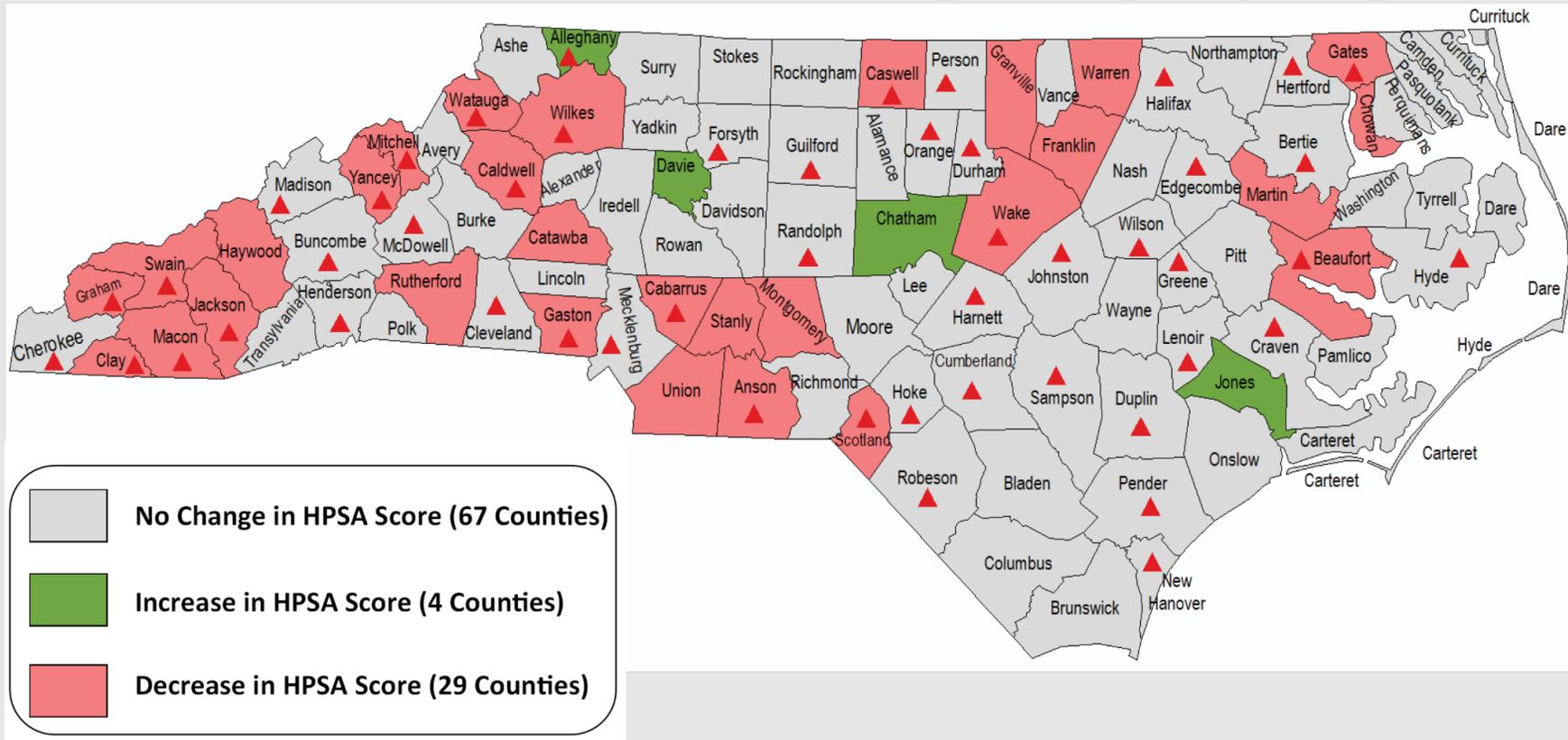
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# North Carolina Office of Rural Health Dental Health—Health Professional Shortage Areas (HPSA) Changes



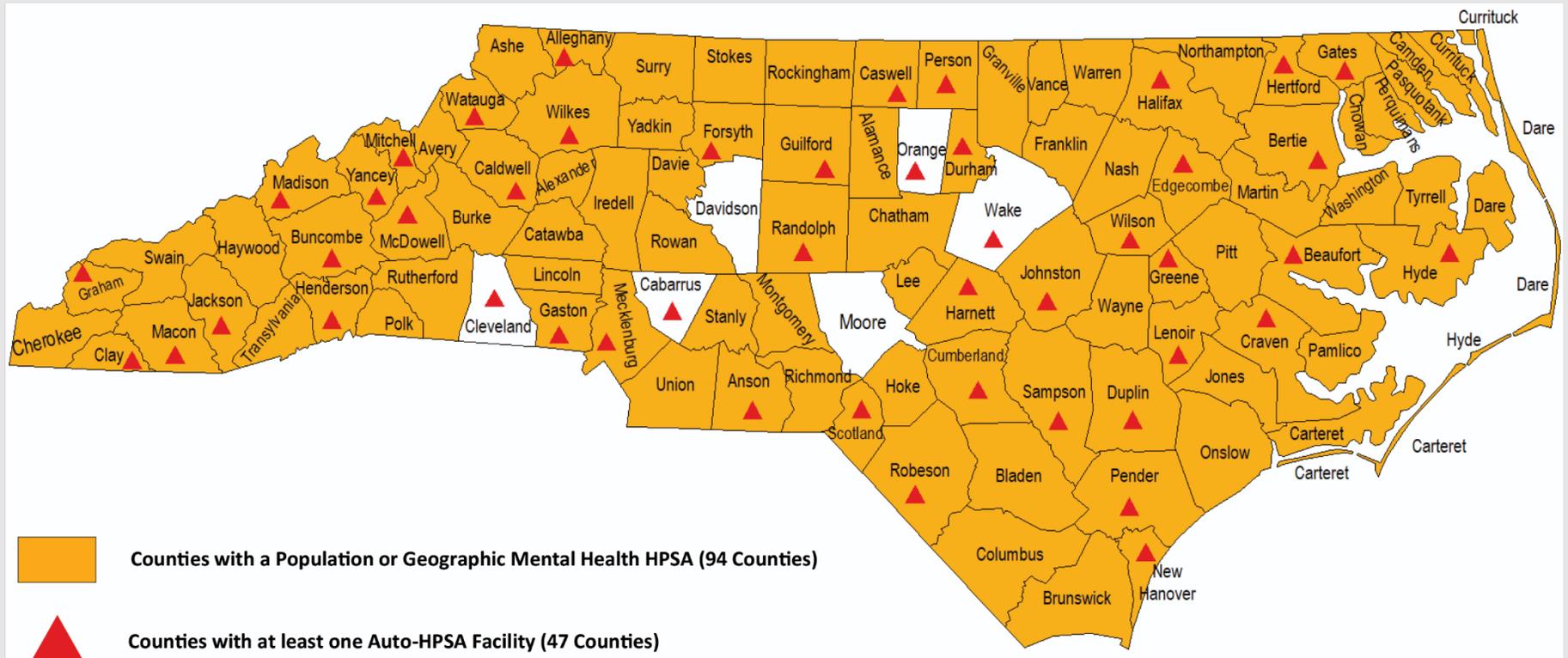
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# North Carolina Office of Rural Health Mental Health—Health Professional Shortage Areas (HPSA)



Disclaimers:

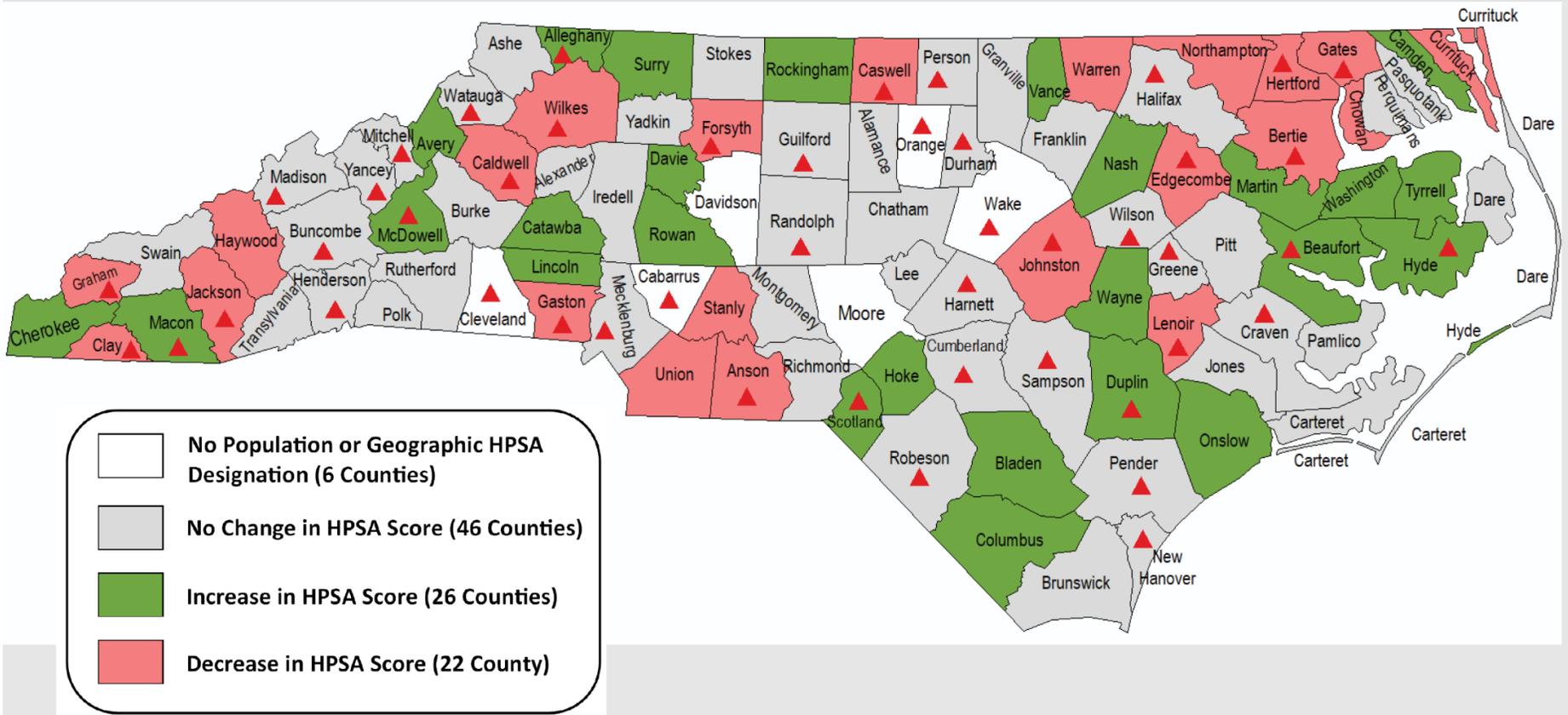
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