

North Carolina Providers: Supply and Distribution by Race

Jennifer King

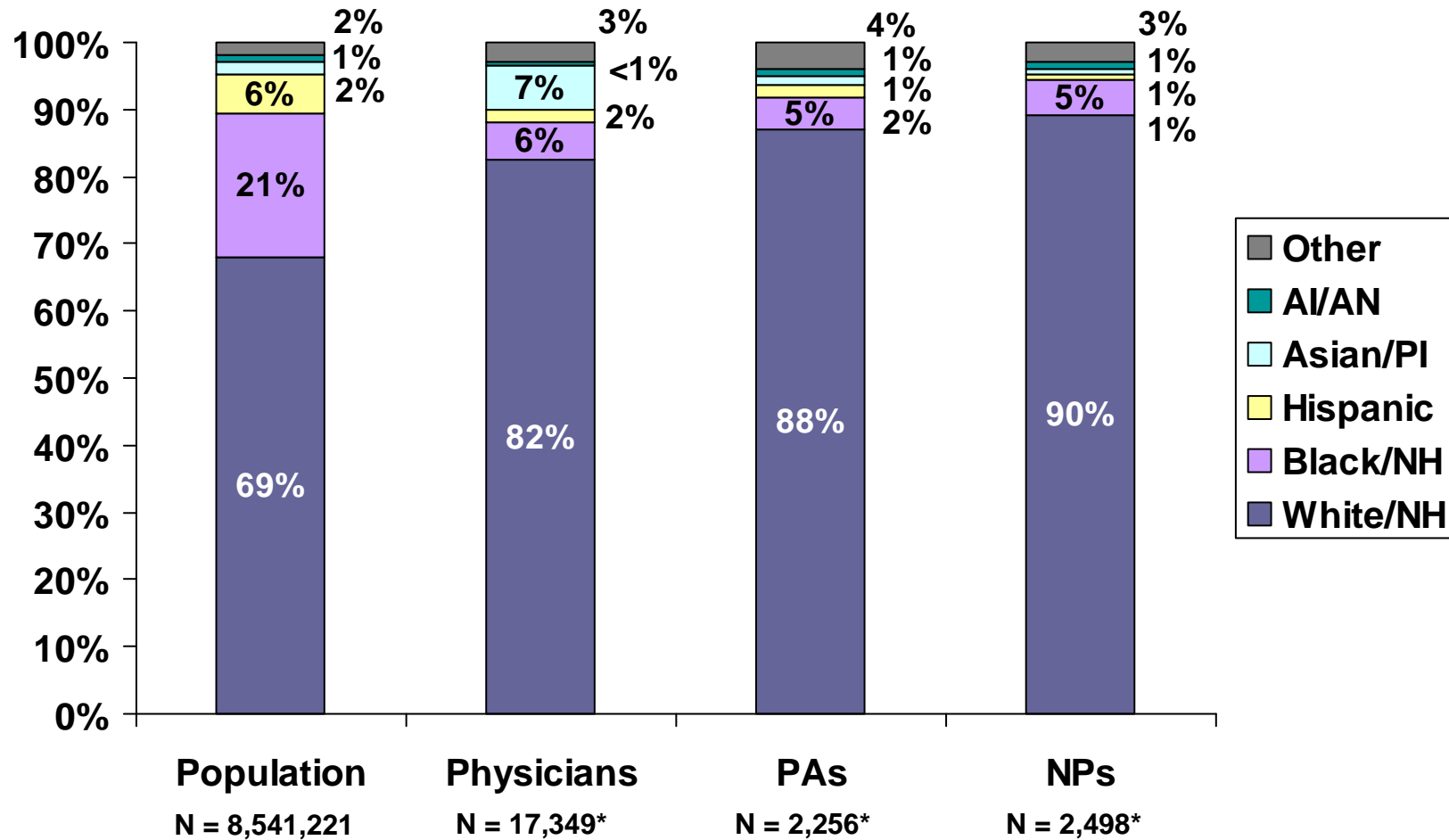
July 27, 2006

CECIL G. **sheps** CENTER
FOR HEALTH SERVICES RESEARCH • UNIVERSITY OF NORTH CAROLINA AT CHAPEL HILL

Overview

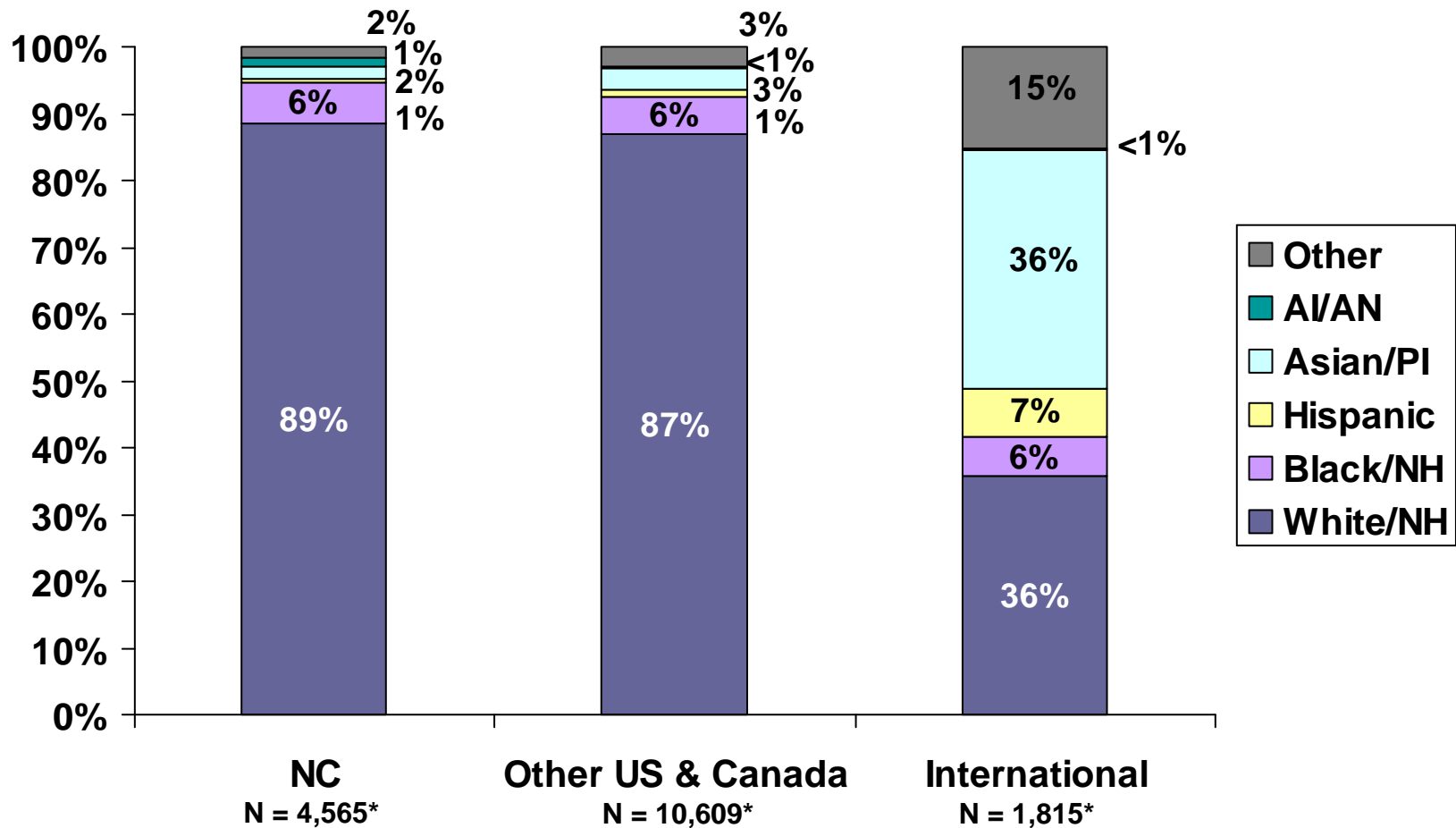
- Race of NC providers compared to NC population
- Rates of practicing in rural and underserved areas by race
- Geographic distribution of underrepresented NC physicians compared to population

Race of Population and Providers, North Carolina 2004



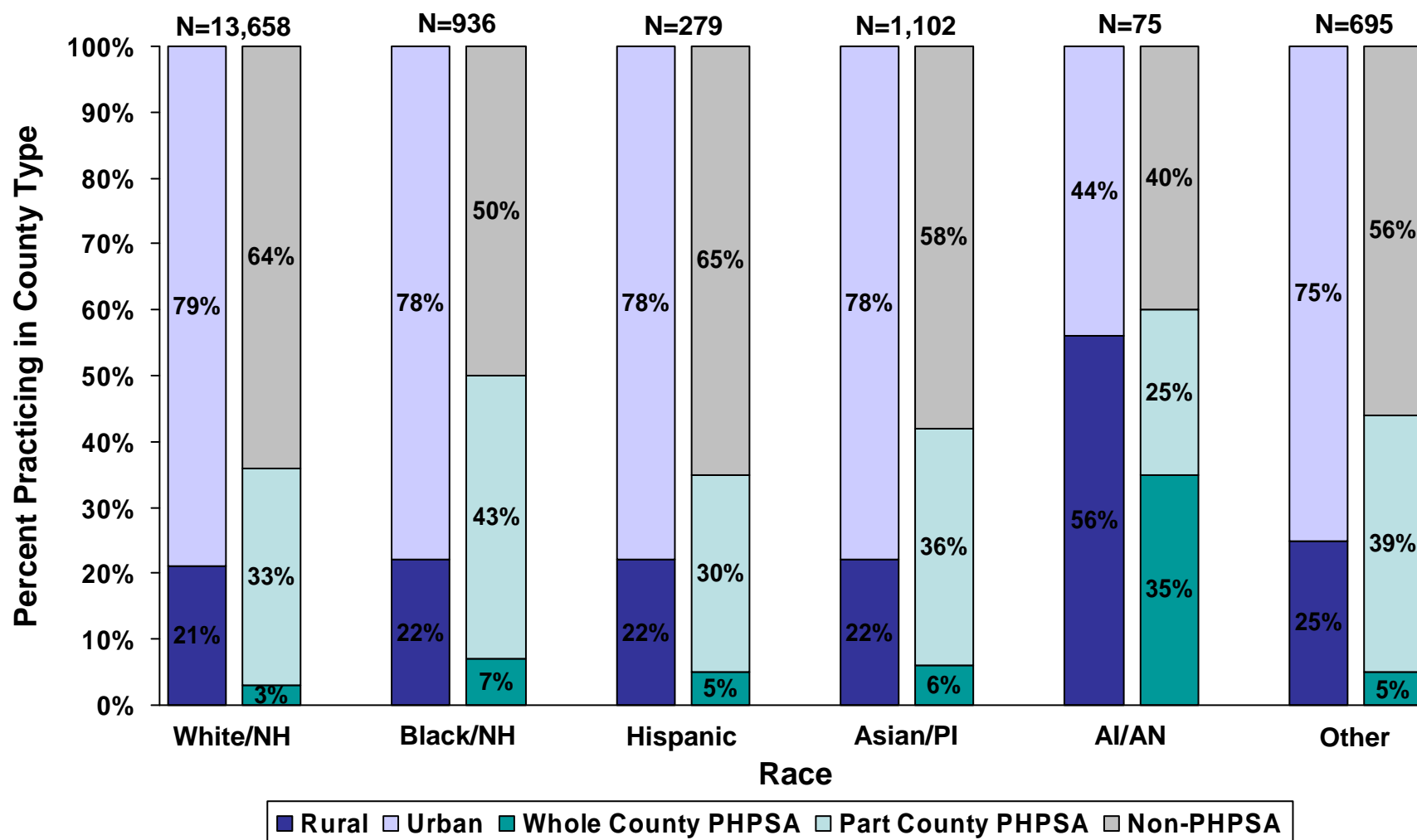
Source: North Carolina Health Professions Data System and US Census. Note: Counts include active, in-state, non-federal physicians, PAs, and NPs. Race data were missing for 604 physicians, 212 NPs, and 215 PAs; percentages are based on the providers for whom race information was available. AI/AN is American Indian/Alaskan Native. PI is Pacific Islander. NH is Non-Hispanic.

Race of Physicians by Medical School Location, North Carolina 2003



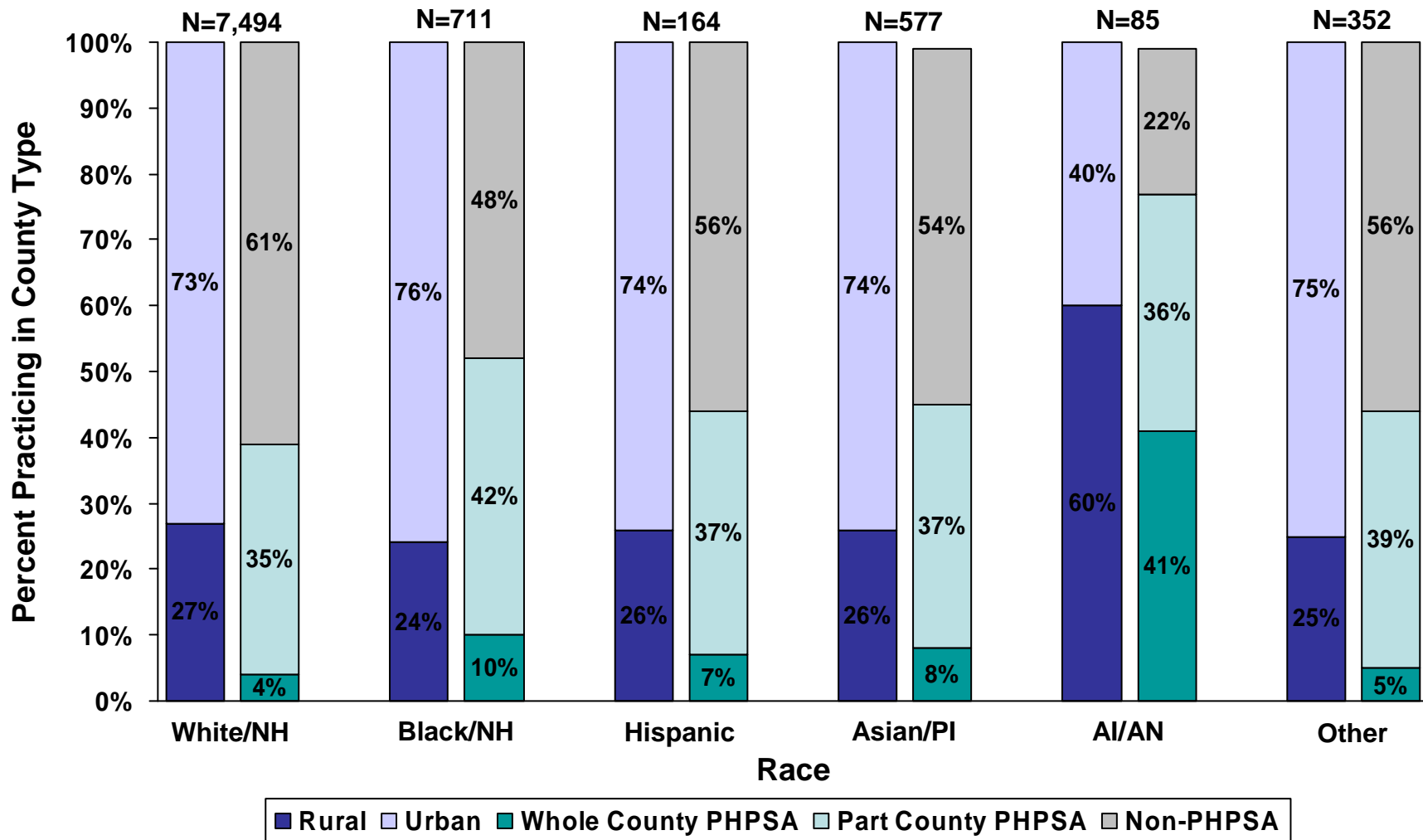
Source: North Carolina Health Professions Data System. Note: Counts include active, in-state, non-federal physicians. Medical school location data were missing for 101 physicians and race data were missing for 529 physicians; percentages are based on the physicians for whom both race and medical school information were available. AI/AN is American Indian/Alaskan Native. PI is Pacific Islander. NH is non-Hispanic.

Share of Physicians Practicing in Rural and Persistent Shortage Areas, North Carolina 2004



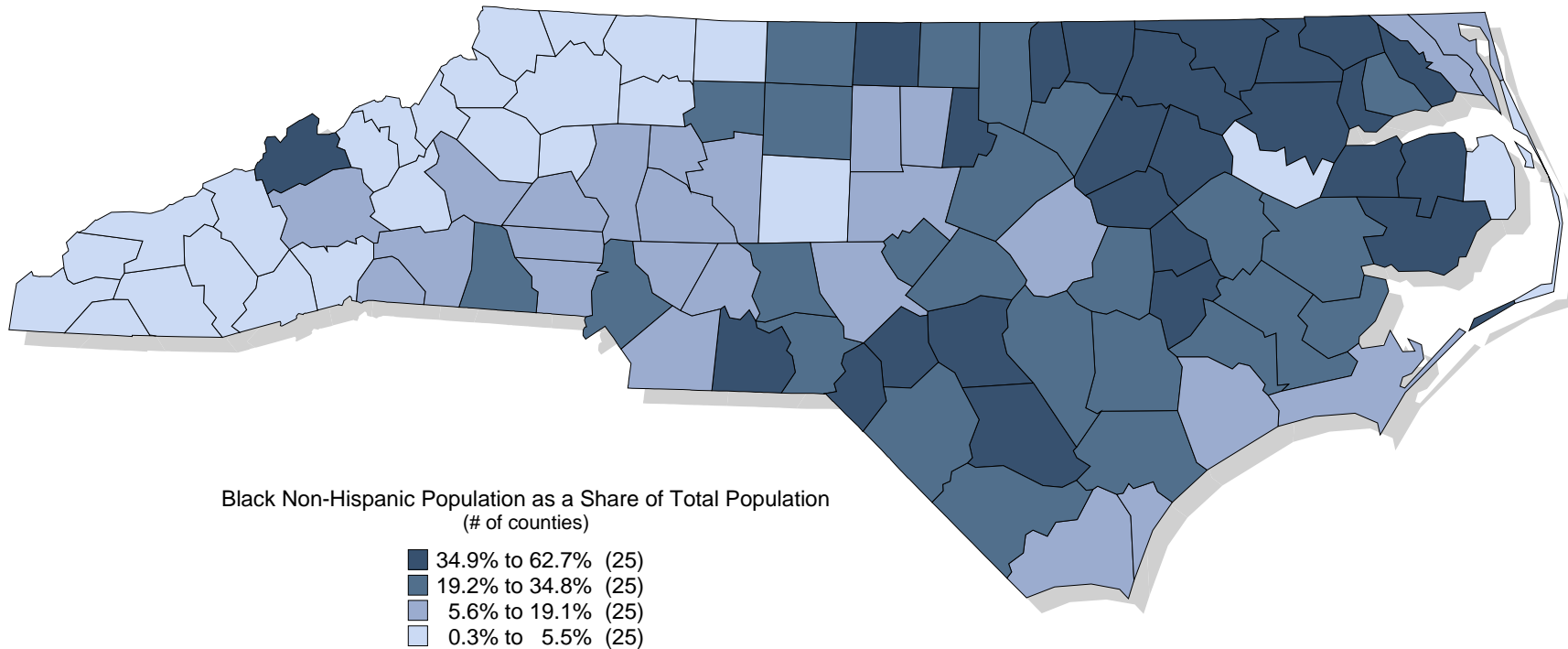
Source: North Carolina Health Professions Data System and US Census. Note: Counts include active, in-state, non-federal physicians. Race data was missing for 604 physicians. PI is Pacific Islander. AI/AN is American Indian/Alaskan Native. NH is non-Hispanic. PHPSA is Persistent Health Professional Shortage Area, a county that has been designated a shortage area by the federal government in 6 of the last 7 years.

Share of Primary Care Physicians, PAs, and NPs Practicing in Rural and Persistent Shortage Areas, North Carolina 2004

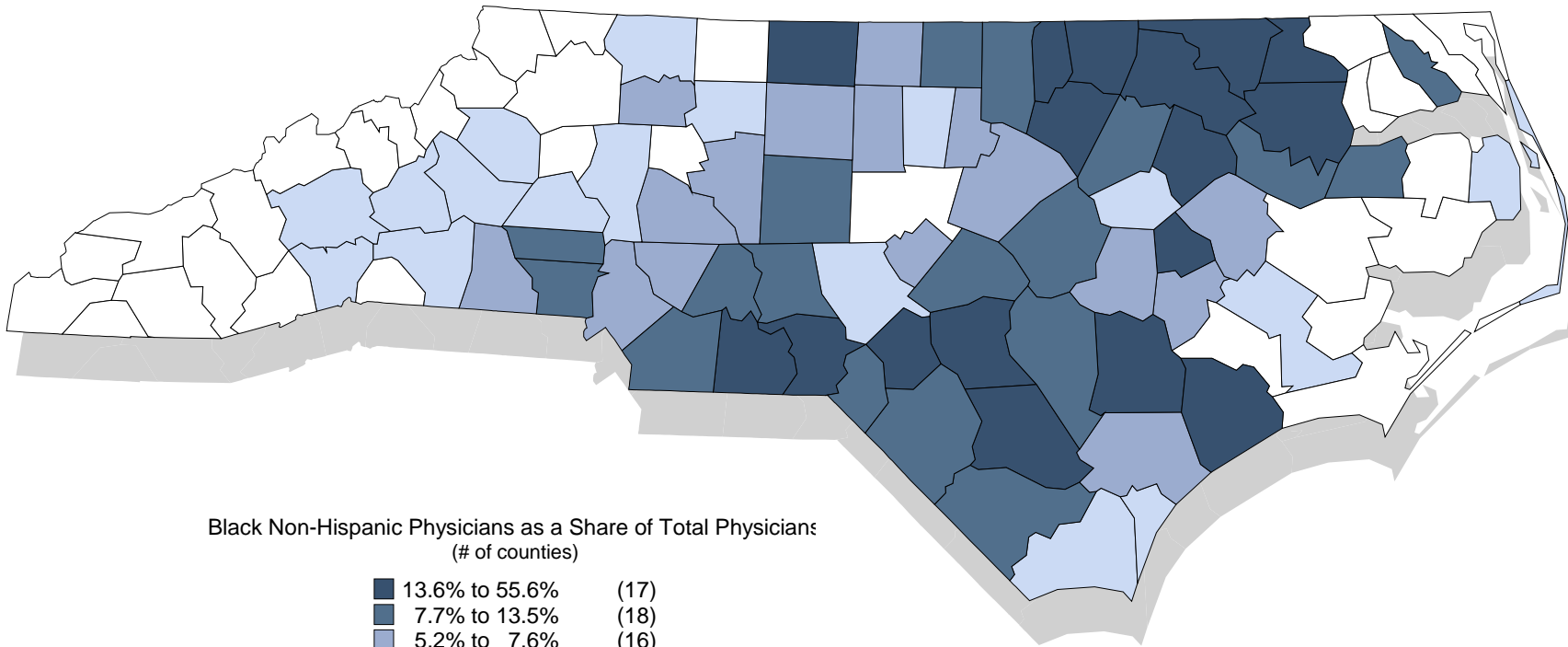


Source: North Carolina Health Professions Data System and US Census. Note: Counts include active, in-state, non-federal providers who indicate a primary care specialty. PI is Pacific Islander. AI/AN is American Indian/Alaskan Native. NH is non-Hispanic. PHPSA is Persistent Health Professional Shortage Area, a county that has been designated a shortage area by the federal government in 6 of the last 7 years.

Black Non-Hispanic Population as a Share of Total Population, North Carolina 2004



Black Non-Hispanic Physicians as a Share of Total Physicians, North Carolina 2004



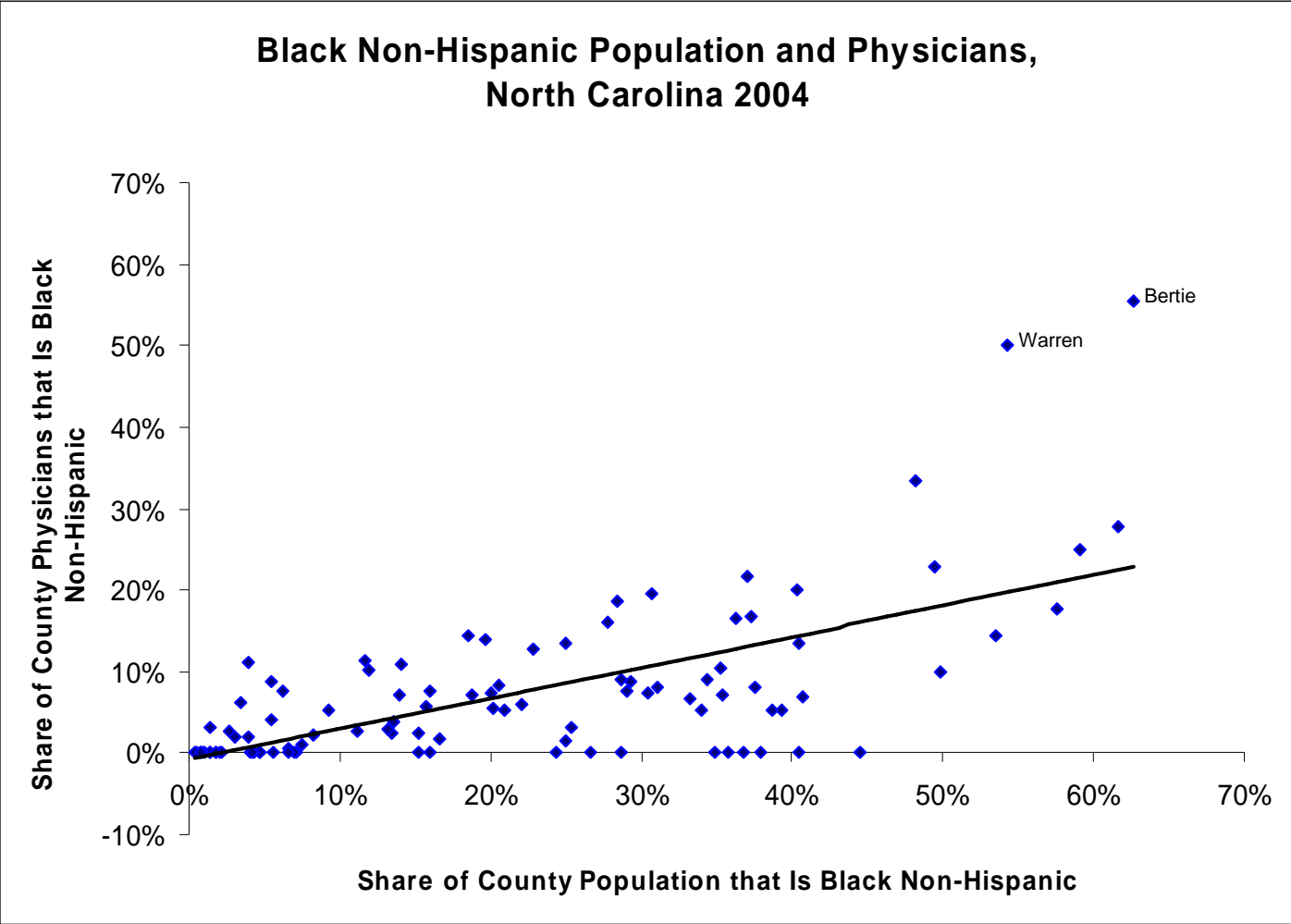
Black Non-Hispanic Physicians as a Share of Total Physicians:
(# of counties)

13.6% to 55.6%	(17)
7.7% to 13.5%	(18)
5.2% to 7.6%	(16)
0.6% to 5.1%	(17)
No Black Physicians	(32)

Produced by: North Carolina Health Professions Data System, Cecil G. Sheps Center for Health Services Research, University of North Carolina at Chapel Hill with data derived from the NC Medical Board, 2004.

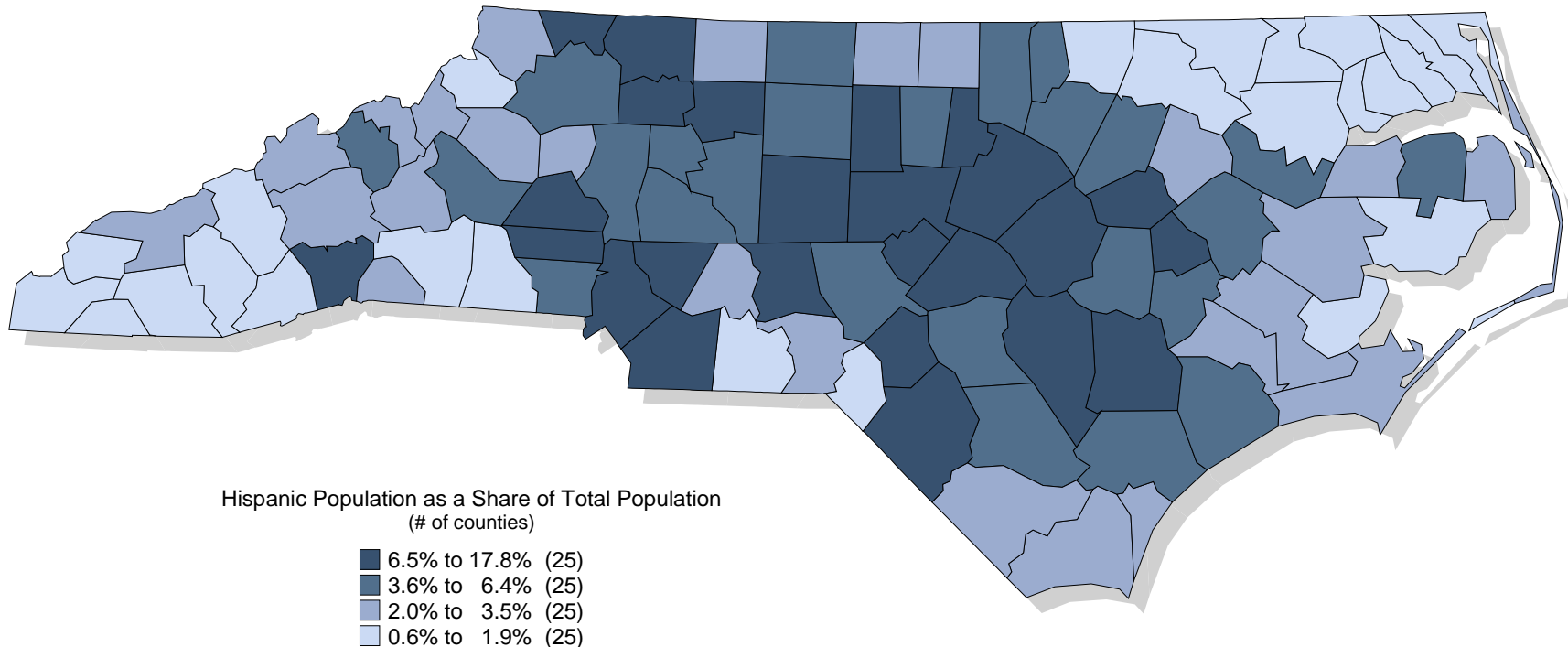
*Counts include active, in-state, non-federal physicians who reported their race as "Black, non-Hispanic" on their licensure form.

Do Black Non-Hispanic physicians practice in counties where Black Non-Hispanics live?

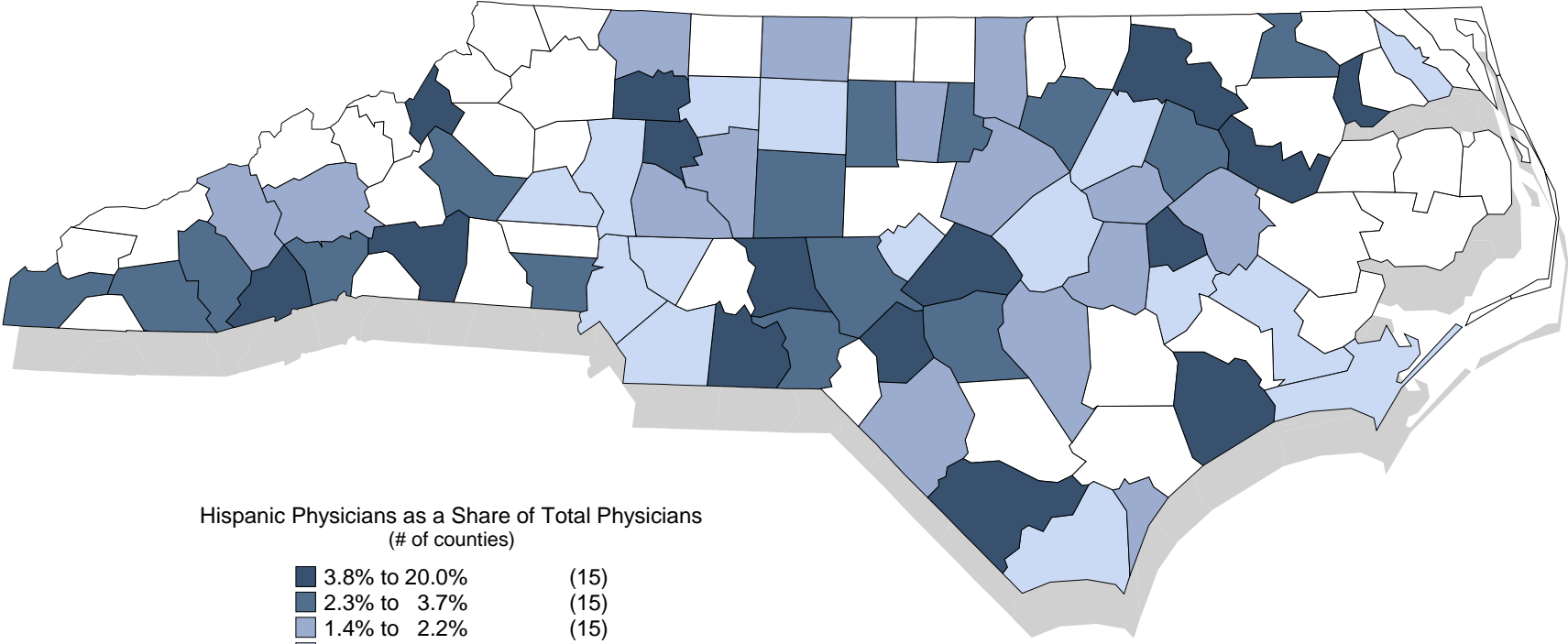


Source: North Carolina Health Professions Data System and US Census. Note: Counts include active, in-state, non-federal physicians.

Hispanic Population as a Share of Total Population, North Carolina 2004



Hispanic Physicians as a Share of Total Physicians, North Carolina 2004



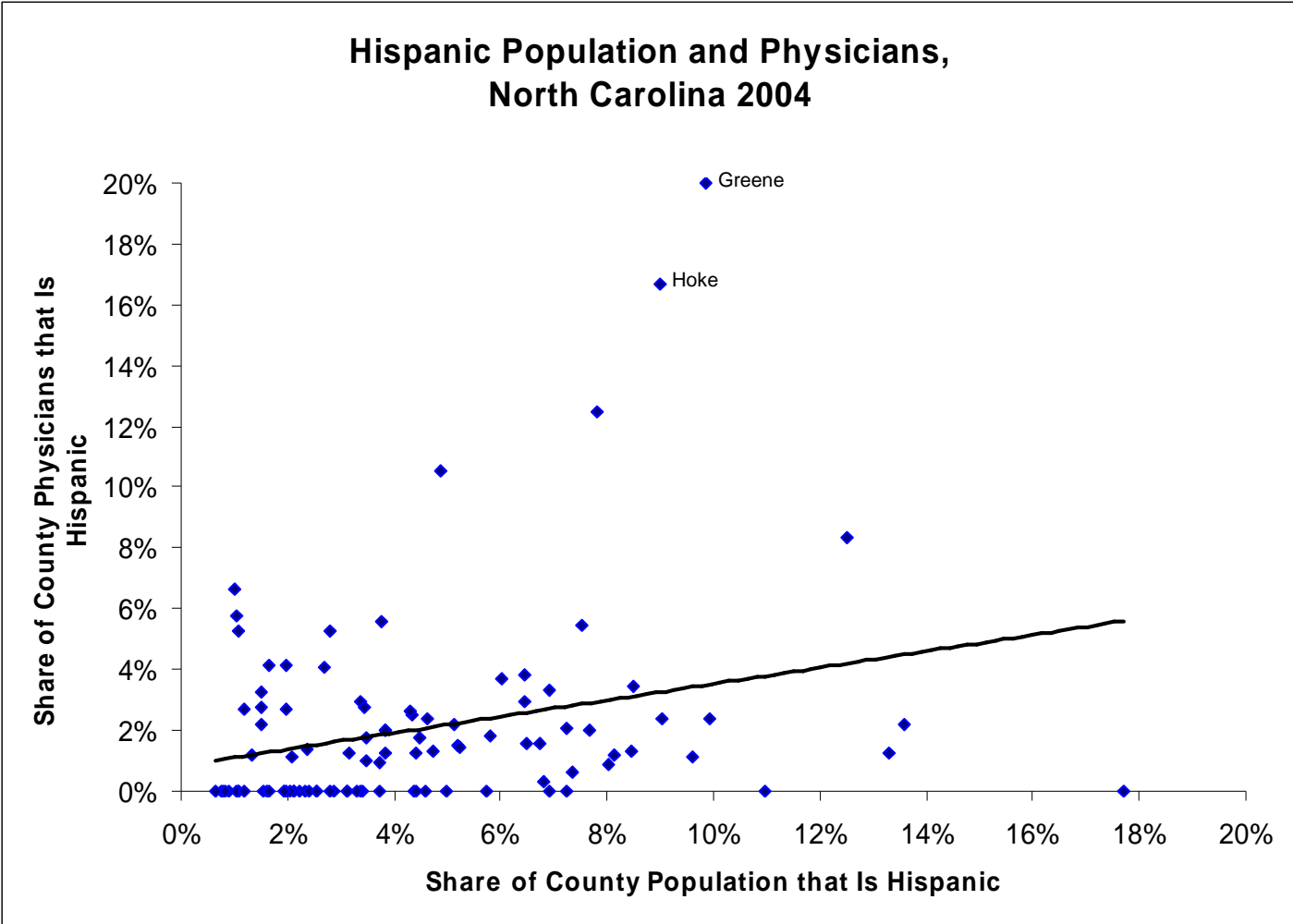
Hispanic Physicians as a Share of Total Physicians
(# of counties)

3.8% to 20.0%	(15)
2.3% to 3.7%	(15)
1.4% to 2.2%	(15)
0.3% to 1.3%	(15)
No Hispanic Physicians	(40)

Produced by: North Carolina Health Professions Data System, Cecil G. Sheps Center for Health Services Research, University of North Carolina at Chapel Hill with data derived from the NC Medical Board, 2004.

*Counts include active, in-state, non-federal physicians who reported their race as "Hispanic" on their licensure form.

Do Hispanic physicians practice in counties where Hispanics live?

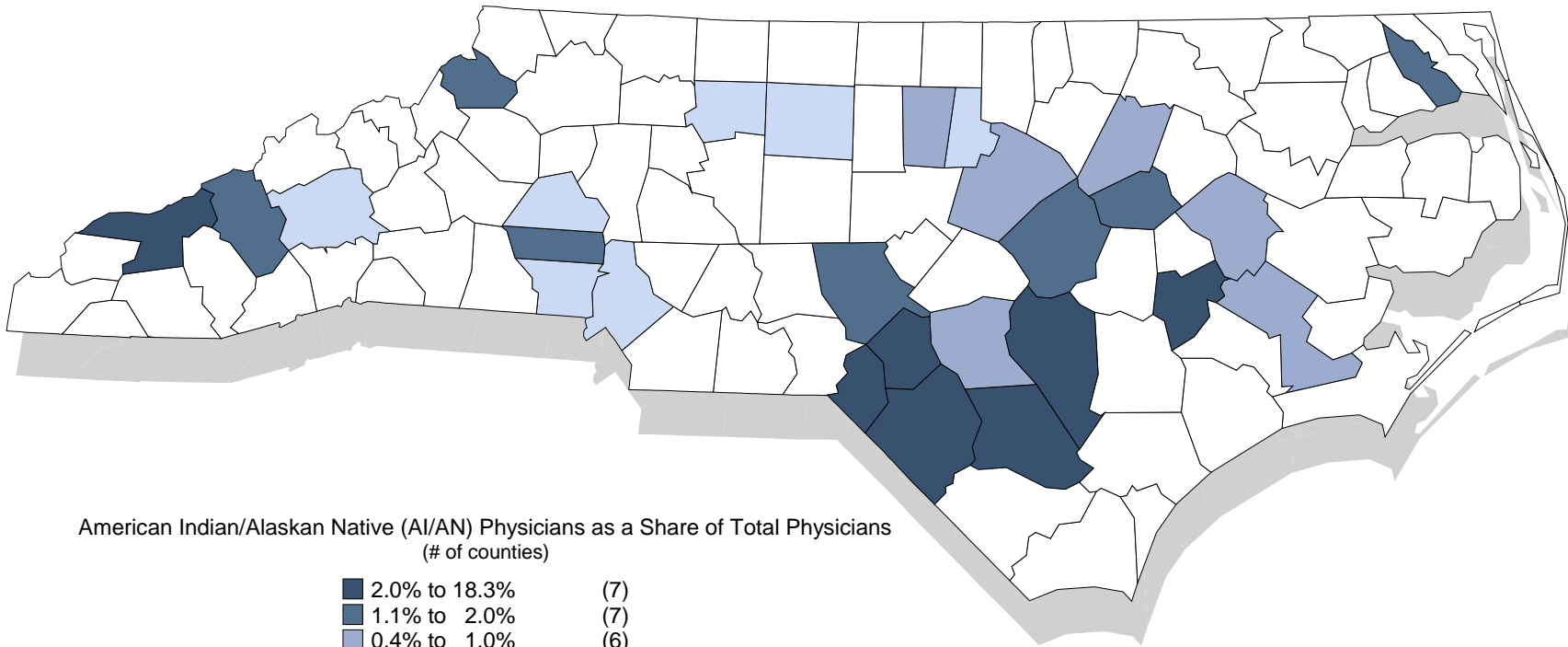


Source: North Carolina Health Professions Data System and US Census. Note: Counts include active, in-state, non-federal physicians.

Distribution of AI/AN Population and Physicians

- Robeson County is home to
 - 47% of NC's AI/AN population
 - 31% of NC's AI/AN physicians
- 12 counties are home to
 - 31% of NC's AI/AN population (1%-5% each)
 - 28% of NC's AI/AN physicians (0%-1% each)
- 87 counties are home to
 - 22% of NC's AI/AN population (<1% each)
 - 41% of NC's AI/AN physicians (<1% each)

American Indian/Alaskan Native Physicians as a Share of Total Physicians, North Carolina 2004



American Indian/Alaskan Native (AI/AN) Physicians as a Share of Total Physicians
(# of counties)

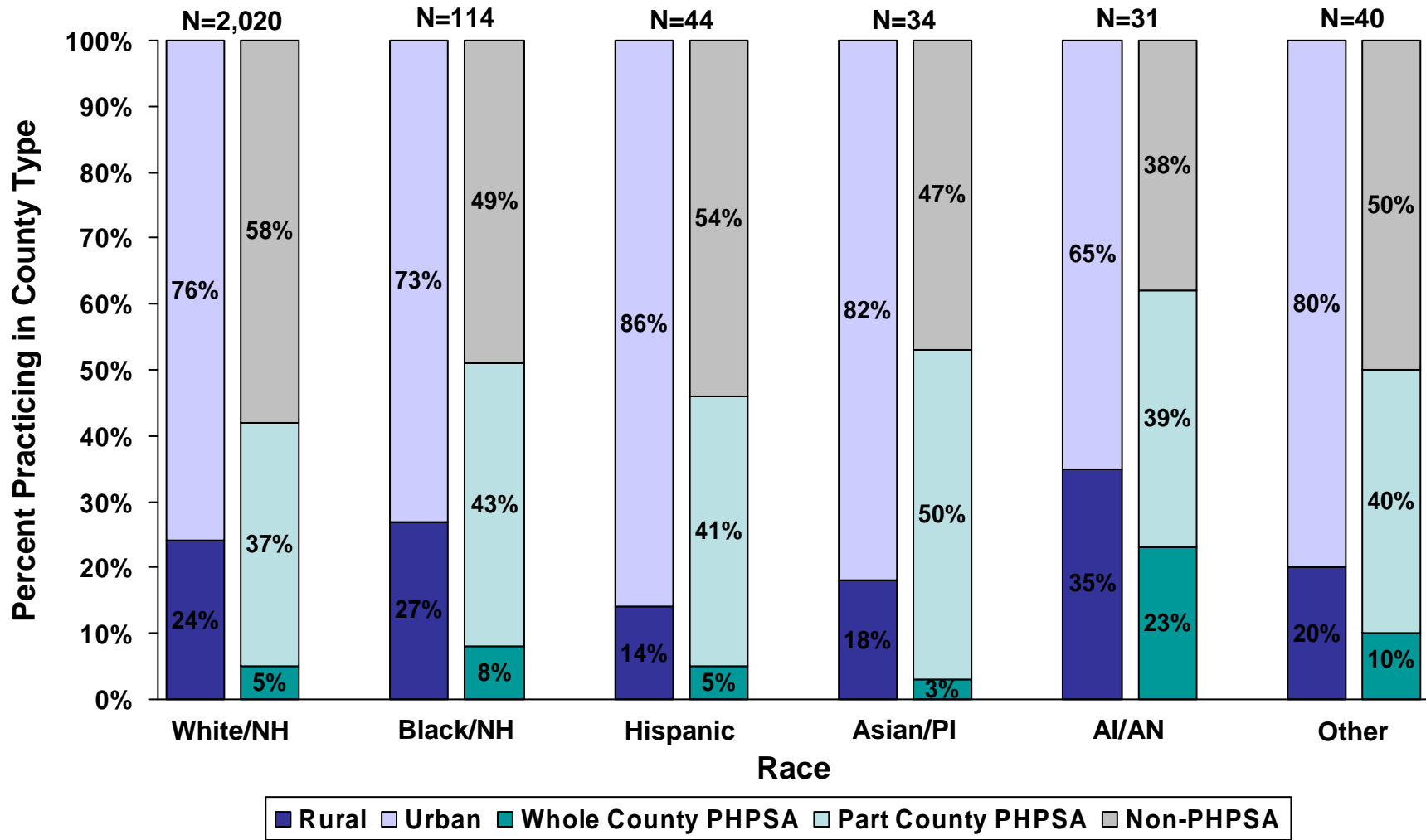
	2.0% to 18.3%	(7)
	1.1% to 2.0%	(7)
	0.4% to 1.0%	(6)
	0.6% to 0.3%	(7)
	No AI/AN Physicians	(73)

Many nonwhites live in NC counties with no physician of the same race

- 78,013 Black/NHs in 32 counties
- 48,217 Hispanics in 40 counties
- 22,727 AI/ANs in 73 counties
- 1,108 Asian/PIs in 14 counties

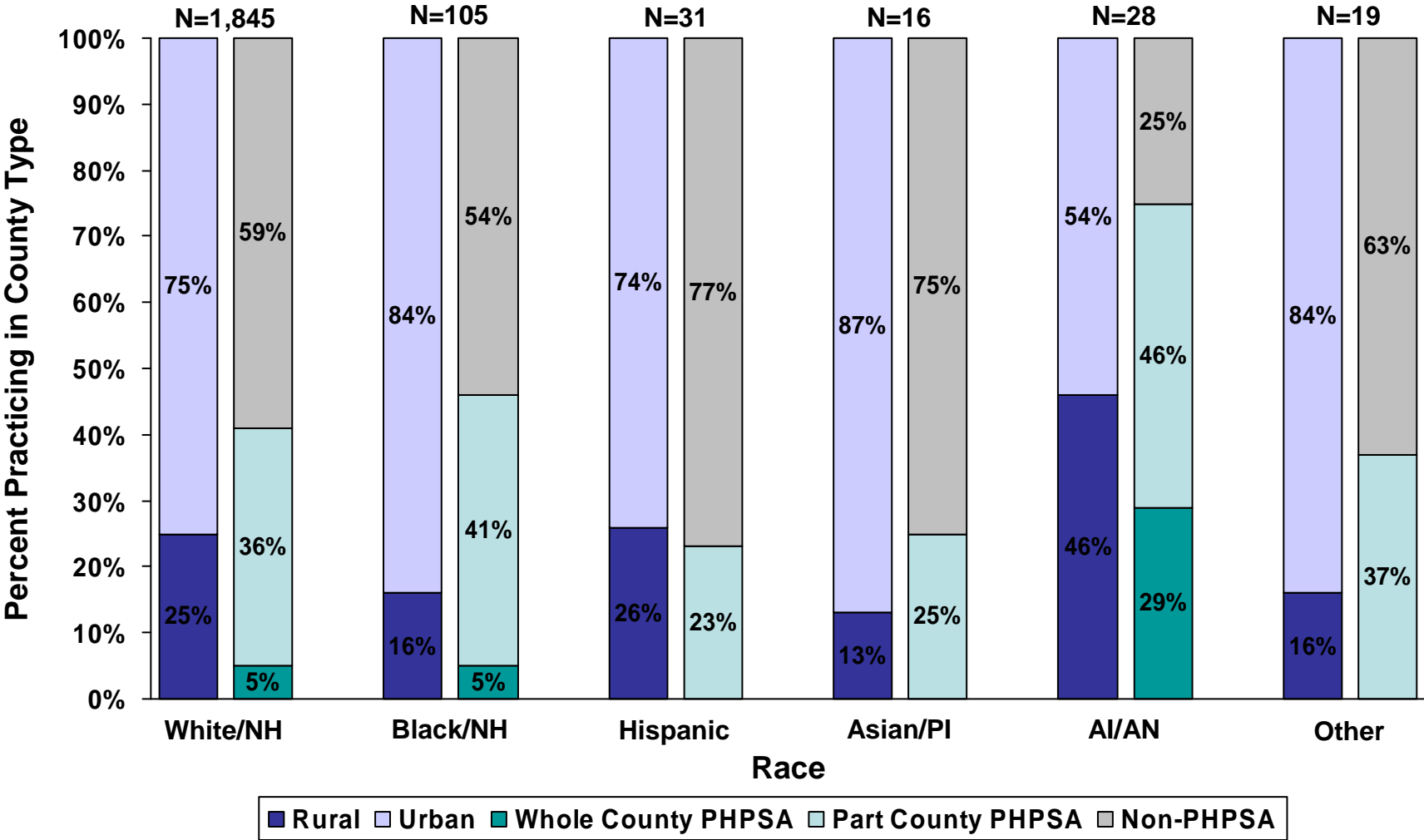
Additional Data Slides

Share of Physician Assistants Practicing in Rural and Persistent Shortage Areas, North Carolina 2004



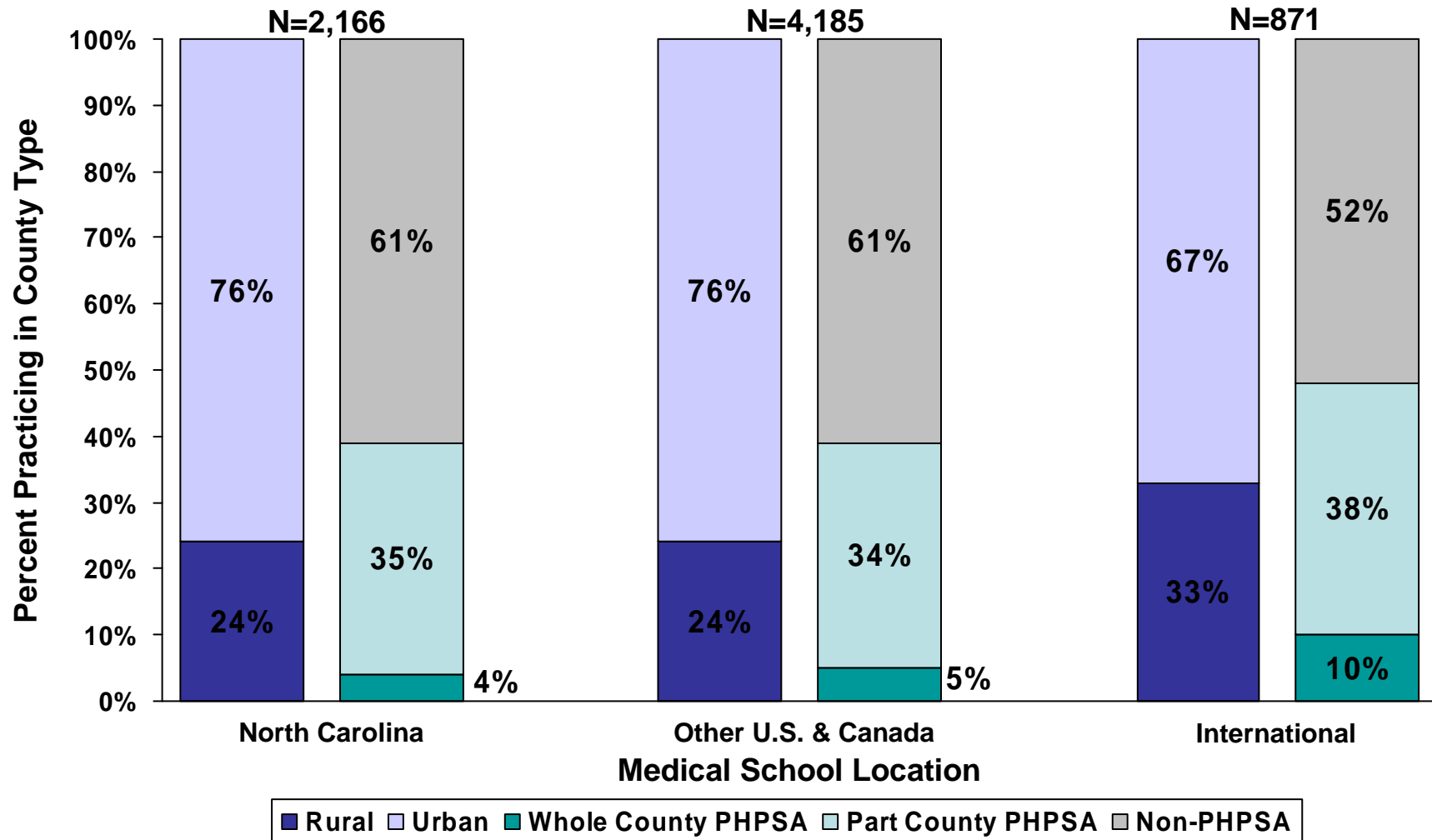
Source: North Carolina Health Professions Data System and US Census. Note: Counts include active, in-state physician assistants. Race data was missing for 215 physician assistants. PI is Pacific Islander. AI/AN is American Indian/Alaskan Native. NH is non-Hispanic. PHPSA is Persistent Health Professional Shortage Area, a county that has been designated a shortage area by the federal government in 6 of the last 7 years.

Share of Nurse Practitioners Practicing in Rural and Persistent Shortage Areas, North Carolina 2004



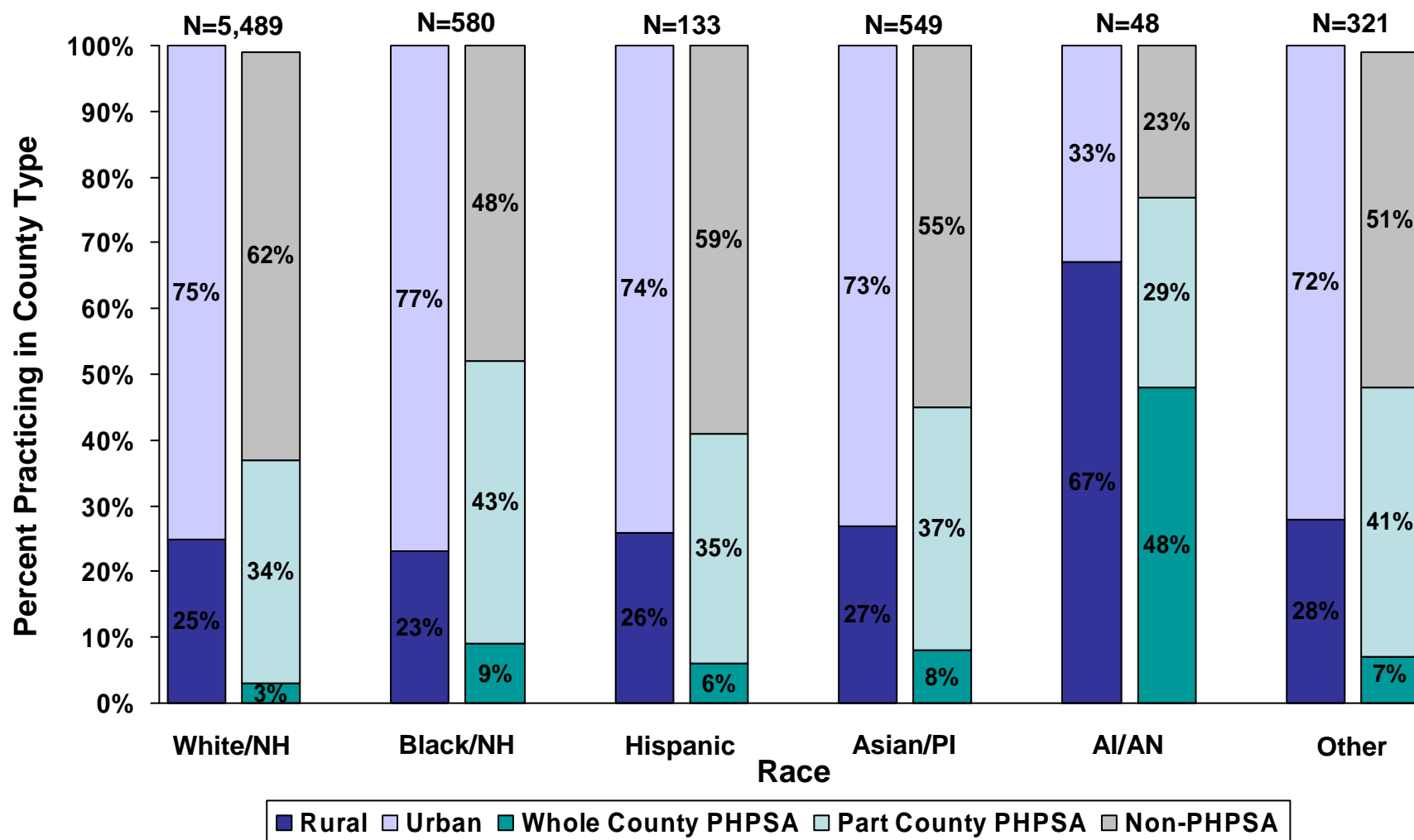
Source: North Carolina Health Professions Data System and US Census. Note: Counts include active, in-state nurse practitioners. Race data was missing for 212 nurse practitioners. PI is Pacific Islander. AI/AN is American Indian/Alaskan Native. NH is non-Hispanic. PHPSA is Persistent Health Professional Shortage Area, a county that has been designated a shortage area by the federal government in 6 of the last 7 years.

Share of Primary Care Physicians Practicing in Rural and Persistent Shortage Areas, North Carolina 2004



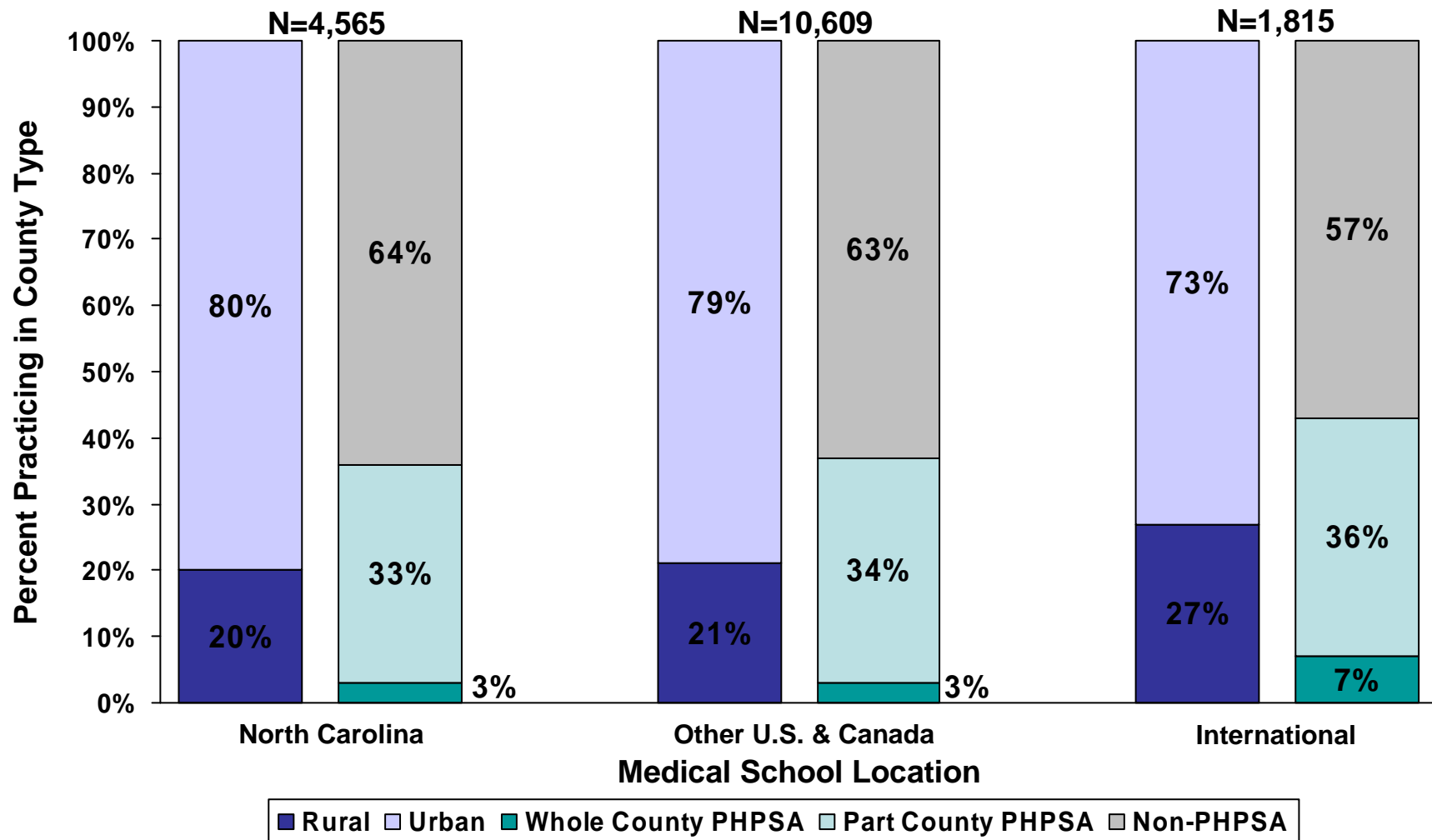
Source: North Carolina Health Professions Data System. Note: Counts include active, in-state, non-federal physicians who designated a primary care specialty. Medical school location data was missing for 43 primary care physicians. PHPSA is Persistent Health Professional Shortage Area, a county that has been designated a shortage area by the federal government in 6 of the last 7 years.

Share of Primary Care Physicians Practicing in Rural and Persistent Shortage Areas, North Carolina 2004



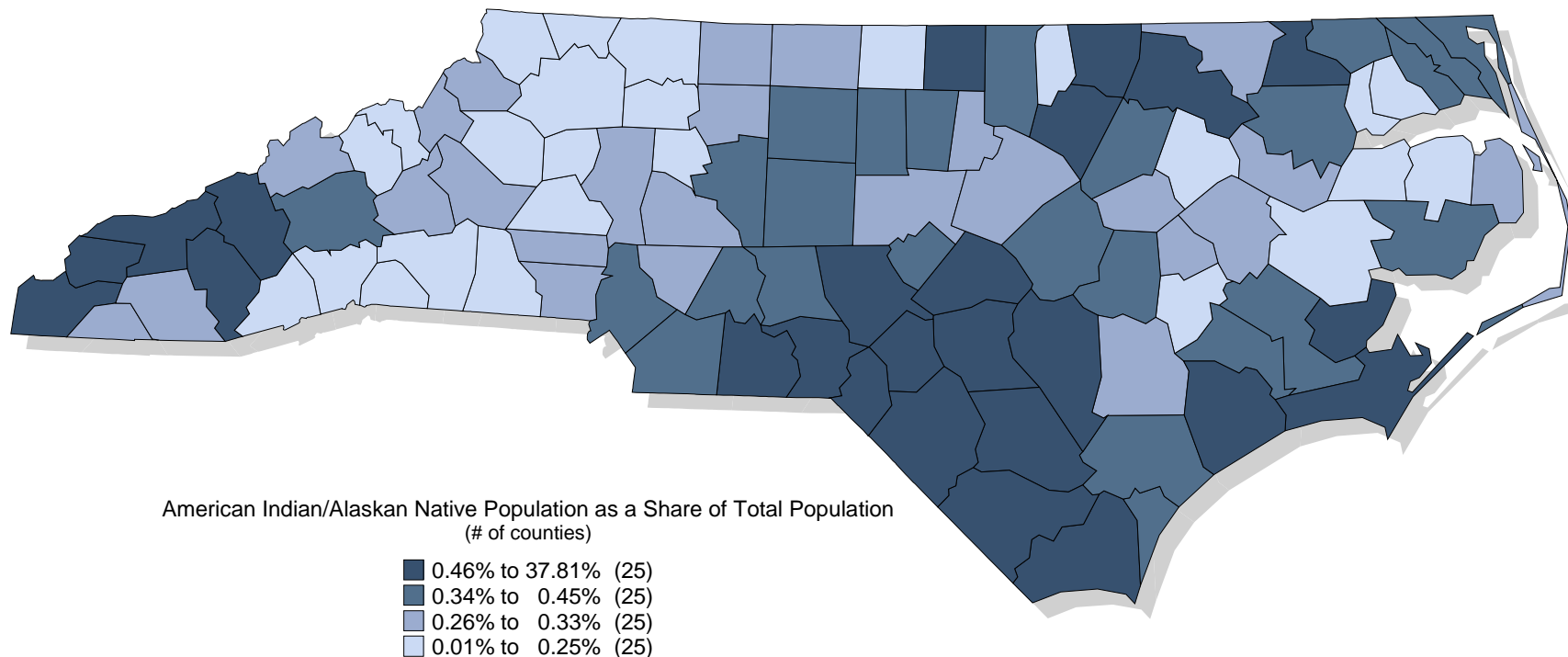
Source: North Carolina Health Professions Data System and US Census. Note: Counts include active, in-state, non-federal physicians who indicated a primary care specialty. Race data was missing for 43 primary care physicians. PI is Pacific Islander. AI/AN is American Indian/Alaskan Native. NH is non-Hispanic. PHPSA is Persistent Health Professional Shortage Area, a county that has been designated a shortage area by the federal government in 6 of the last 7 years.

Share of Physicians Practicing in Rural and Persistent Shortage Areas, North Carolina 2004

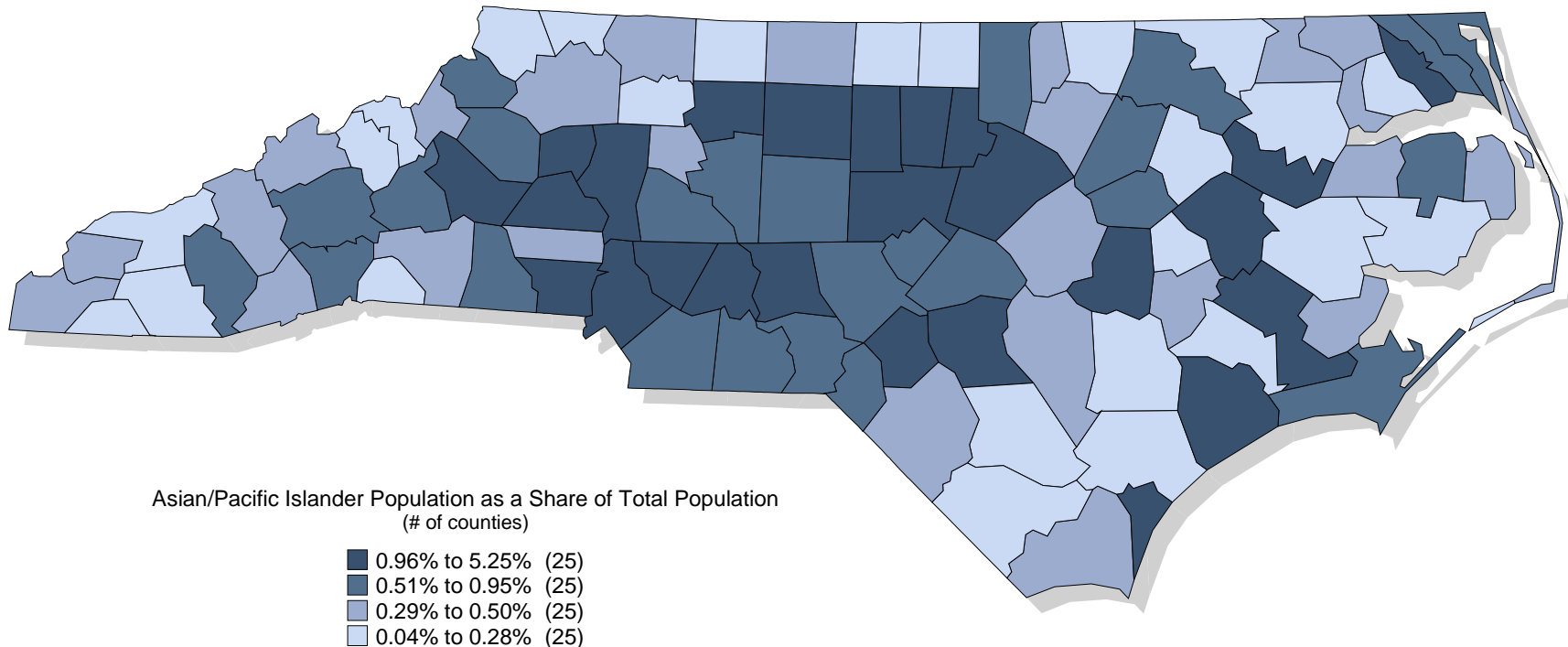


Source: North Carolina Health Professions Data System. Note: Counts include active, in-state, non-federal physicians. Medical school location data was missing for 101 physicians. PHPSA is Persistent Health Professional Shortage Area, a county that has been designated a shortage area by the federal government in 6 of the last 7 years.

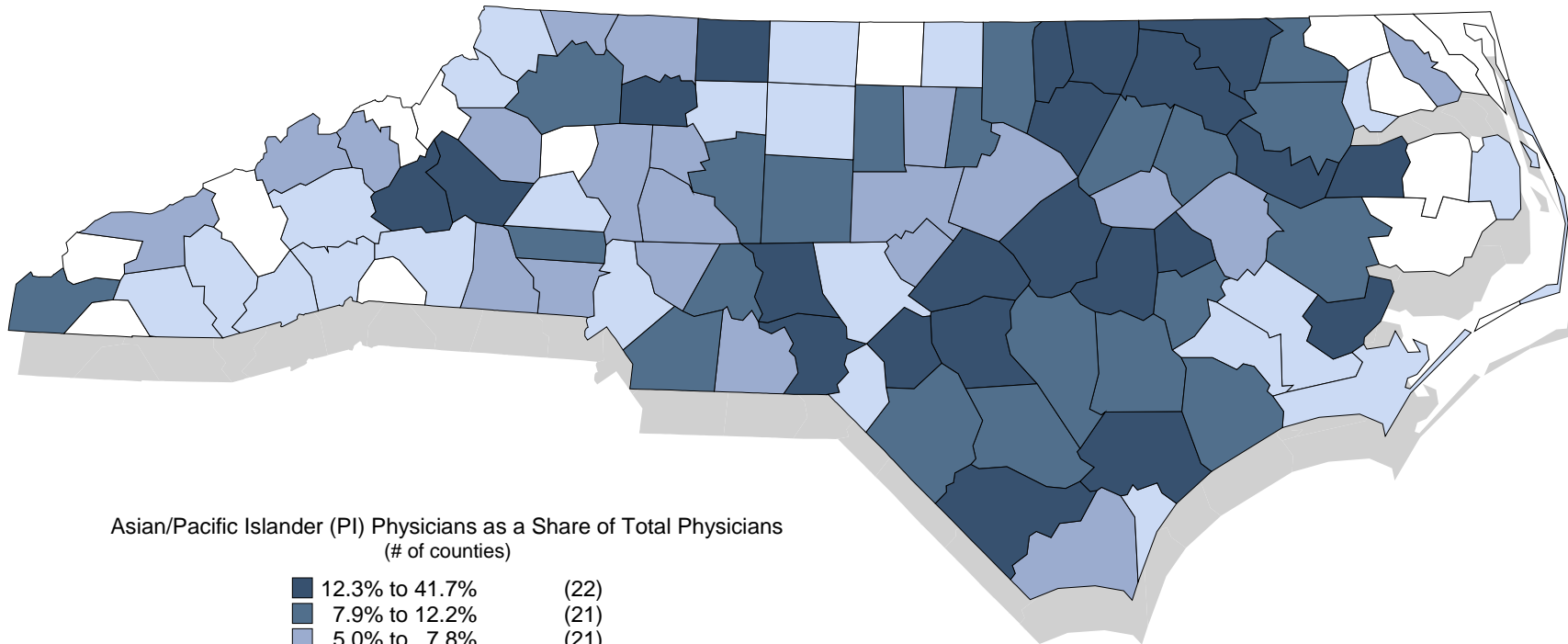
American Indian/Alaskan Native Population as a Share of Total Population, North Carolina 2004



Asian/Pacific Islander Population as a Share of Total Population, North Carolina 2004



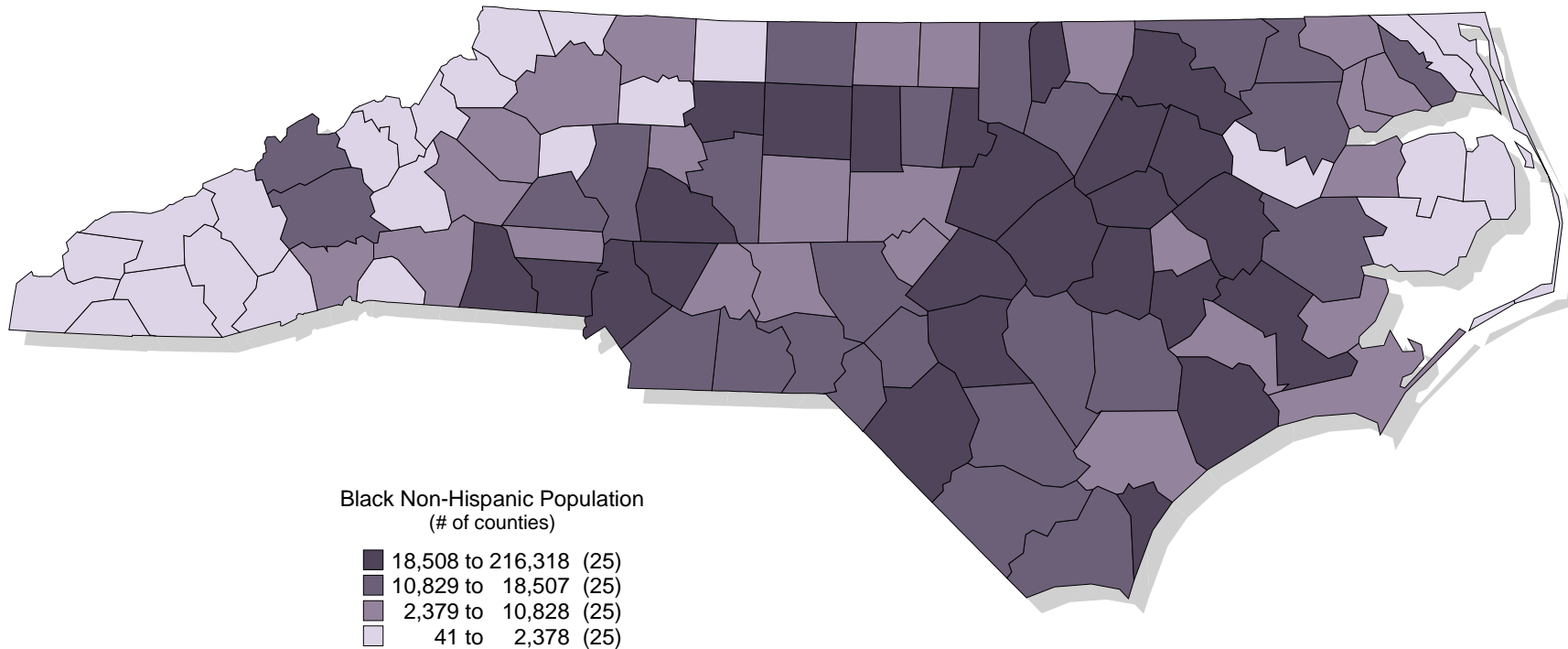
Asian/Pacific Islander Physicians as a Share of Total Physicians, North Carolina 2004



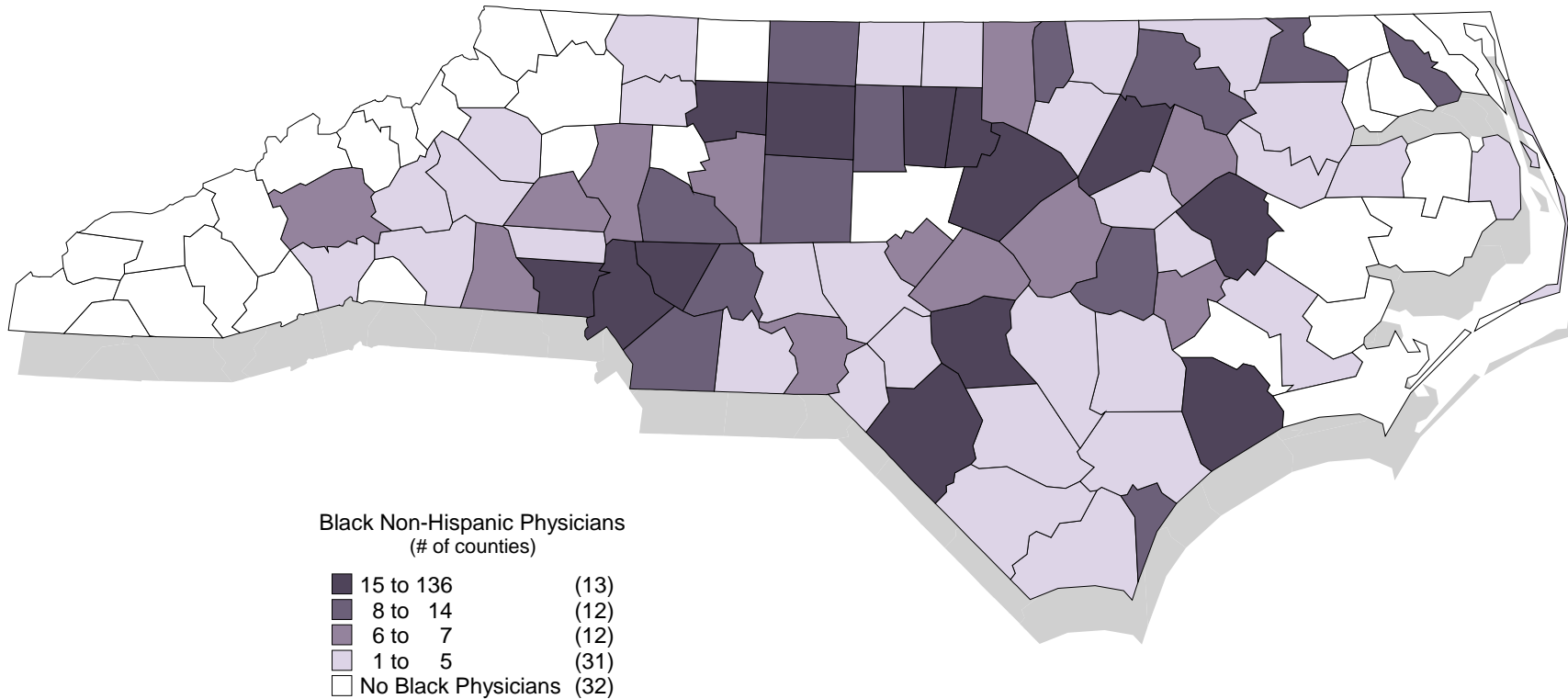
Asian/Pacific Islander (PI) Physicians as a Share of Total Physicians
(# of counties)

	12.3% to 41.7%	(22)
	7.9% to 12.2%	(21)
	5.0% to 7.8%	(21)
	1.1% to 4.9%	(22)
	No Asian/PI Physicians	(14)

Black Non-Hispanic Population, North Carolina 2004



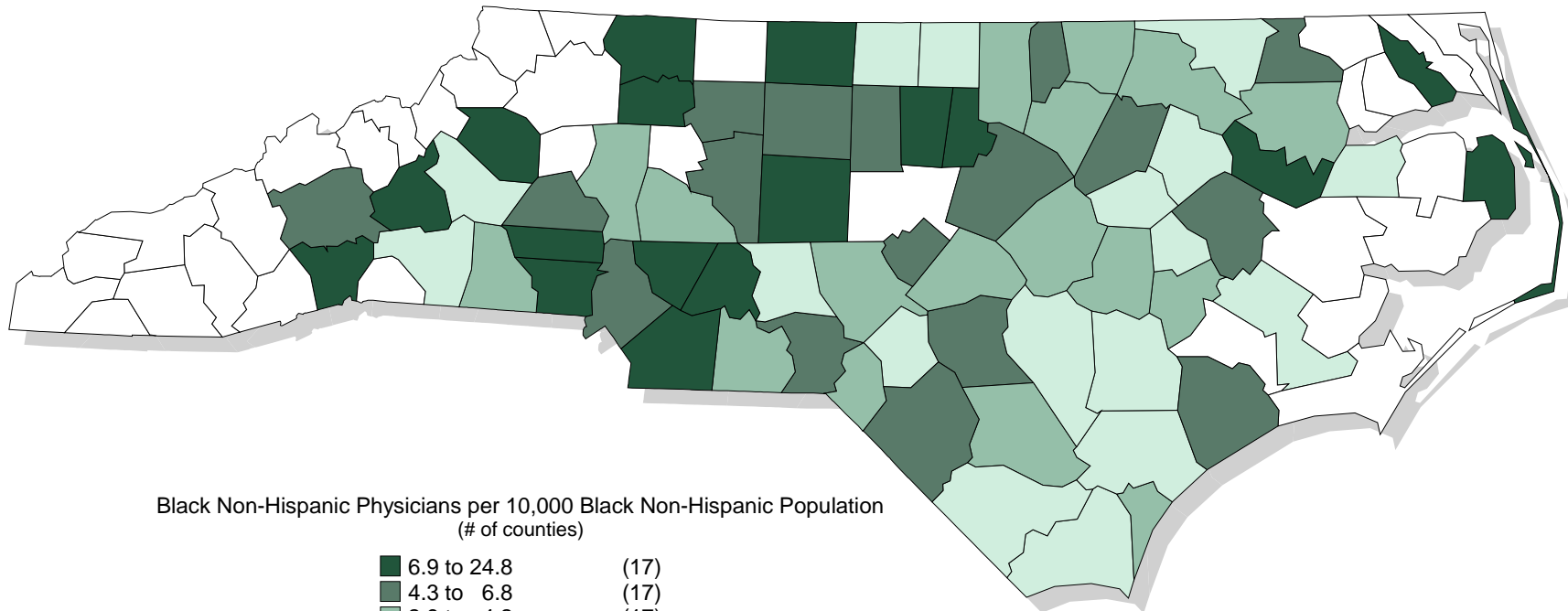
Black Non-Hispanic Physicians, North Carolina 2004



Produced by: North Carolina Health Professions Data System, Cecil G. Sheps Center for Health Services Research, University of North Carolina at Chapel Hill with data derived from the NC Medical Board, 2004.

*Counts include active, in-state, non-federal physicians who reported their race as "Black, non-Hispanic" on their licensure form.

Black Non-Hispanic Physicians per 10,000 Black Non-Hispanic Population, North Carolina 2004



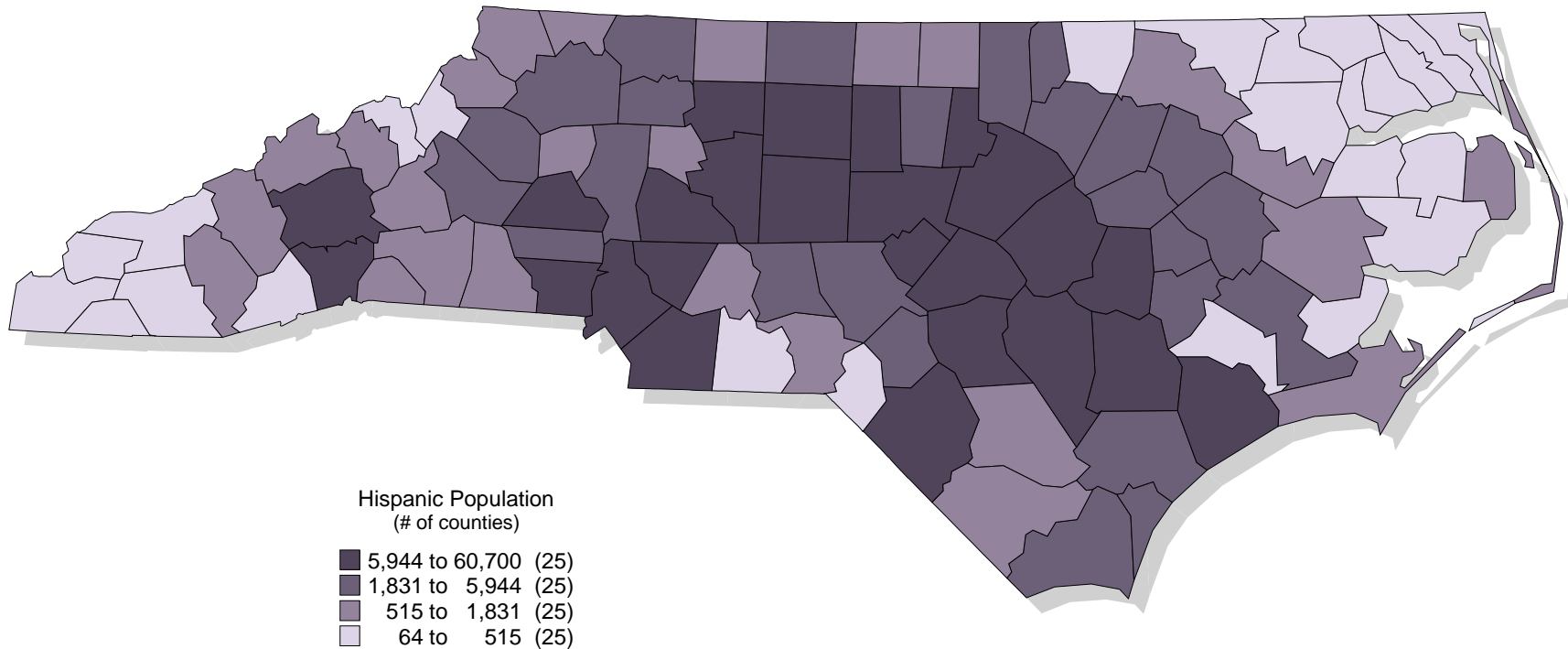
Black Non-Hispanic Physicians per 10,000 Black Non-Hispanic Population
(# of counties)

6.9 to 24.8	(17)
4.3 to 6.8	(17)
2.9 to 4.2	(17)
Less than 0.1 to 2.8	(17)
No Black Physicians	(32)

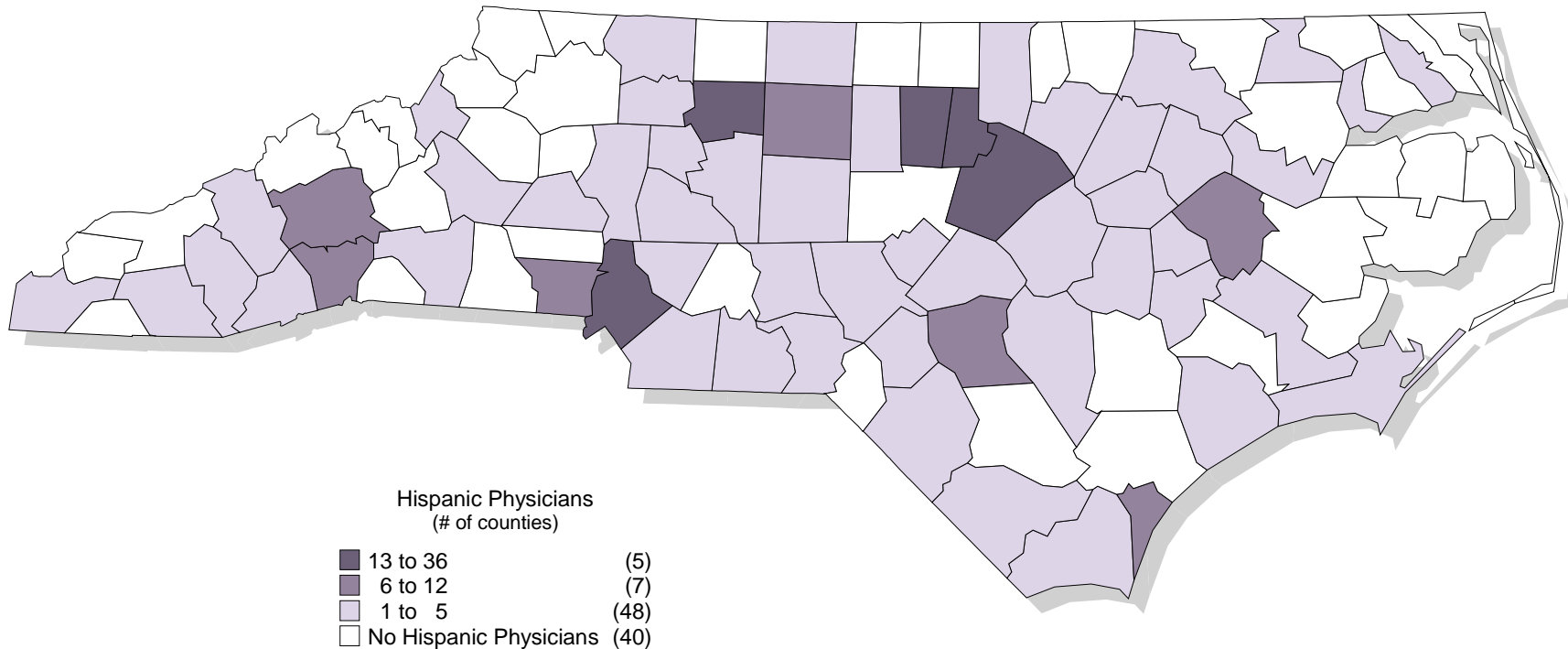
Produced by: North Carolina Health Professions Data System, Cecil G. Sheps Center for Health Services Research, University of North Carolina at Chapel Hill with data derived from the NC Medical Board and the U.S. Census Population Estimates Program.

*Counts of physicians include active, in-state, non-federal physicians who reported their race as "Black, non-Hispanic" on their licensure form.

Hispanic Population, North Carolina 2004



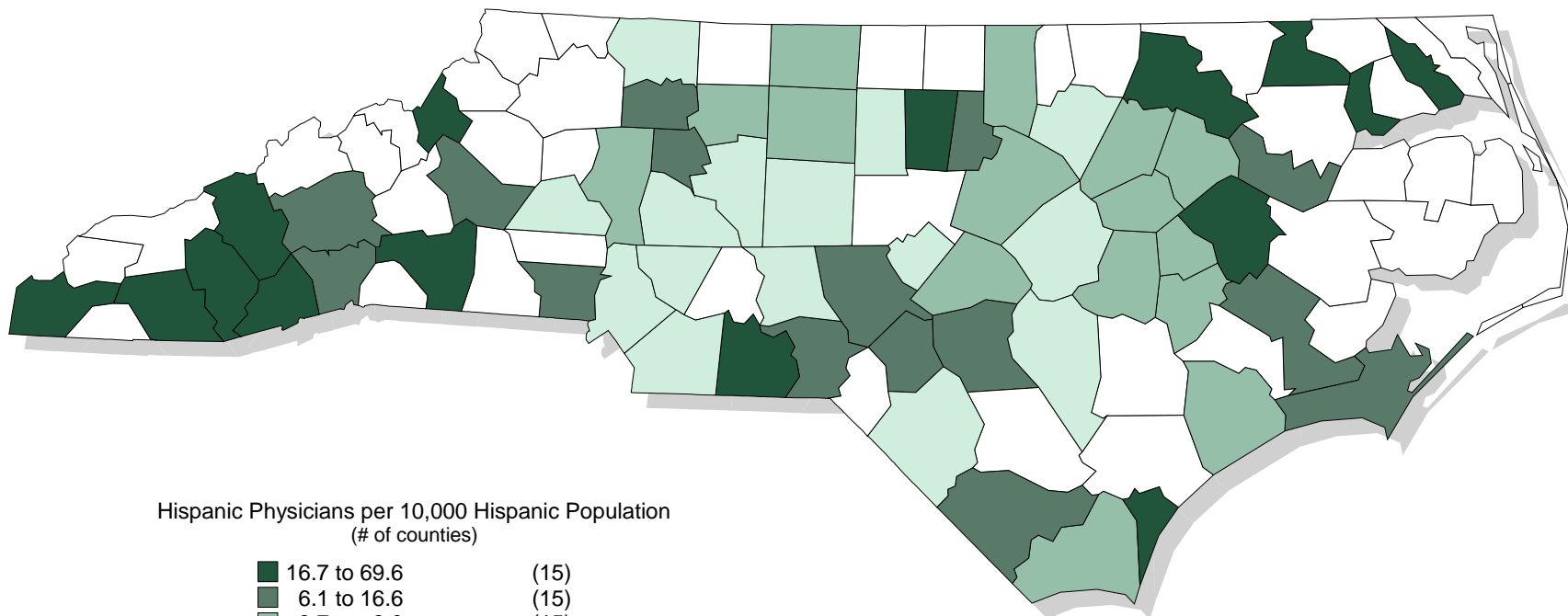
Hispanic Physicians, North Carolina 2004



Produced by: North Carolina Health Professions Data System, Cecil G. Sheps Center for Health Services Research, University of North Carolina at Chapel Hill with data derived from the NC Medical Board, 2004.

*Counts include active, in-state, non-federal physicians who reported their race as "Hispanic" on their licensure form.

Hispanic Physicians per 10,000 Hispanic Population, North Carolina 2004



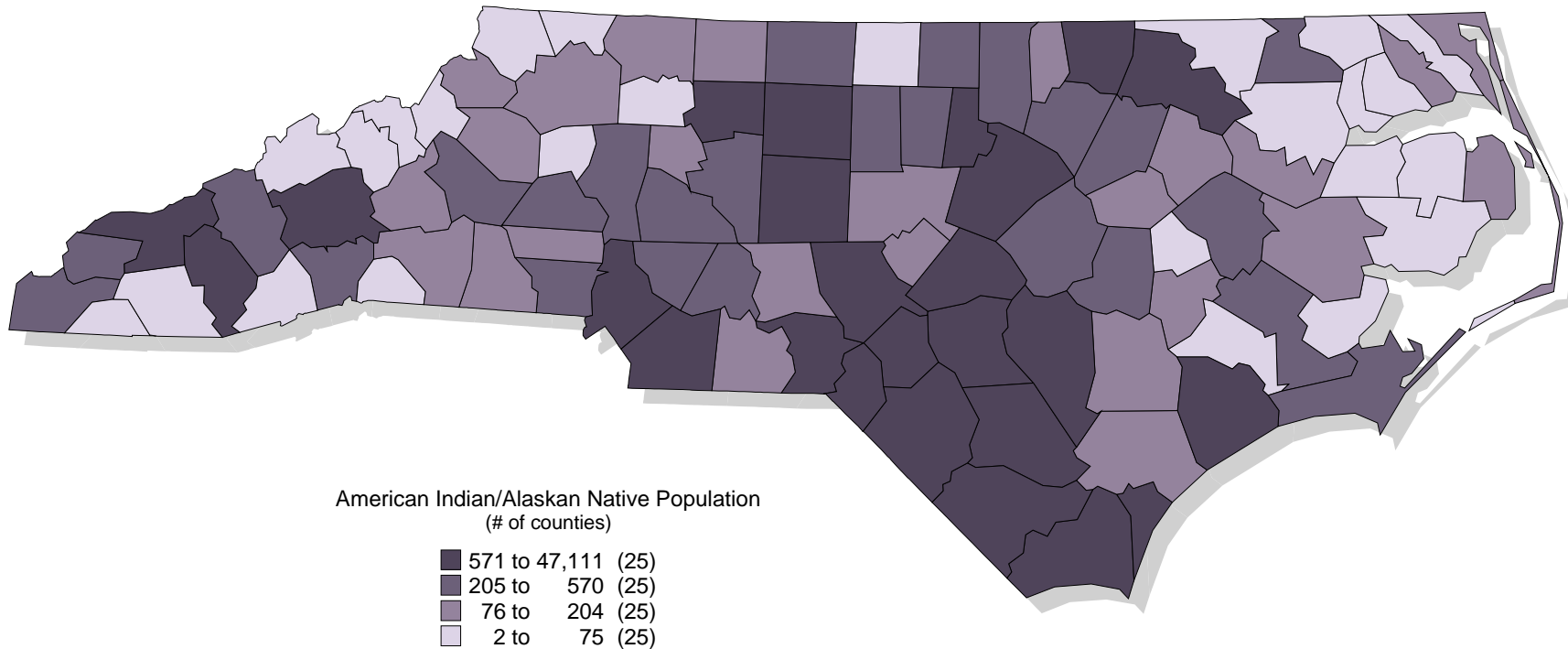
Hispanic Physicians per 10,000 Hispanic Population
(# of counties)

16.7 to 69.6	(15)
6.1 to 16.6	(15)
3.7 to 6.0	(15)
0.7 to 3.6	(15)
No Hispanic Physicians	(40)

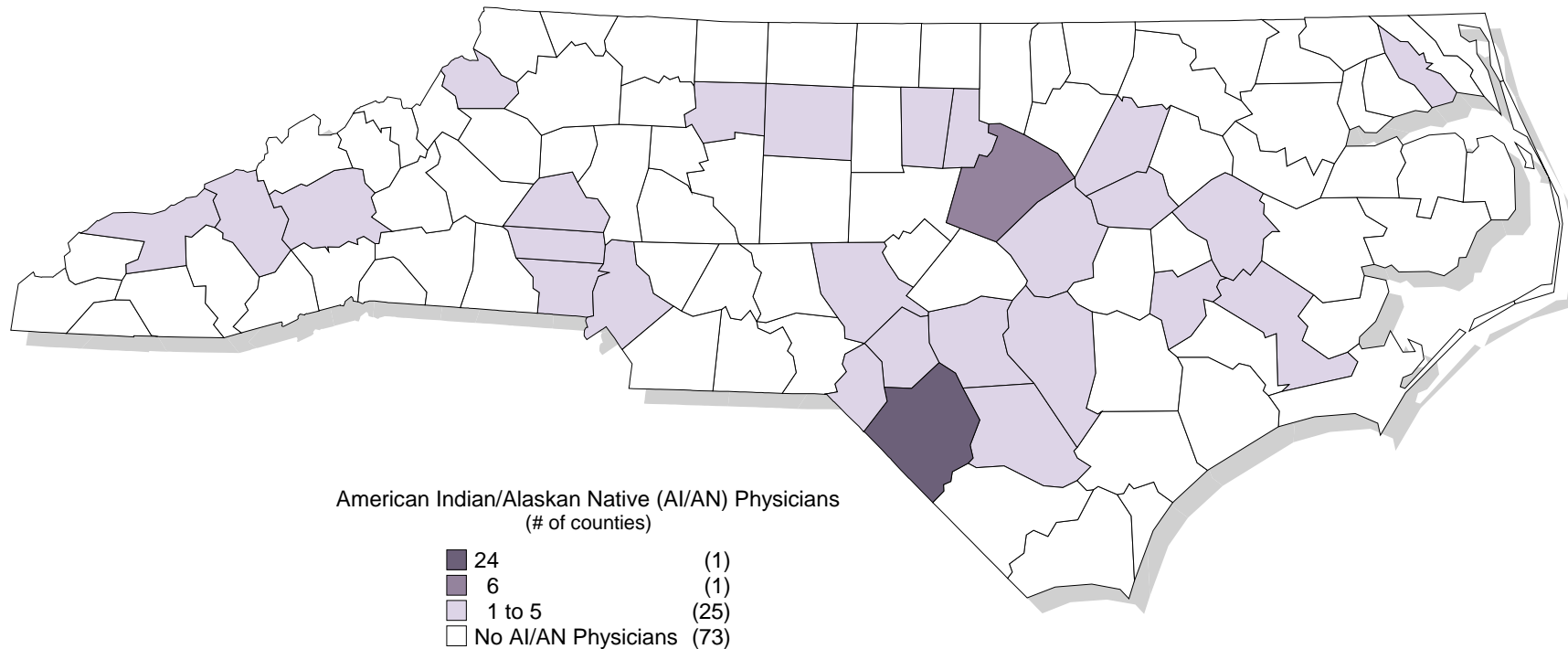
Produced by: North Carolina Health Professions Data System, Cecil G. Sheps Center for Health Services Research, University of North Carolina at Chapel Hill with data derived from the NC Medical Board and the U.S. Census Population Estimates Program.

*Counts of physicians include active, in-state, non-federal physicians who reported their race as "Hispanic" on their licensure form.

American Indian/Alaskan Native Population, North Carolina 2004



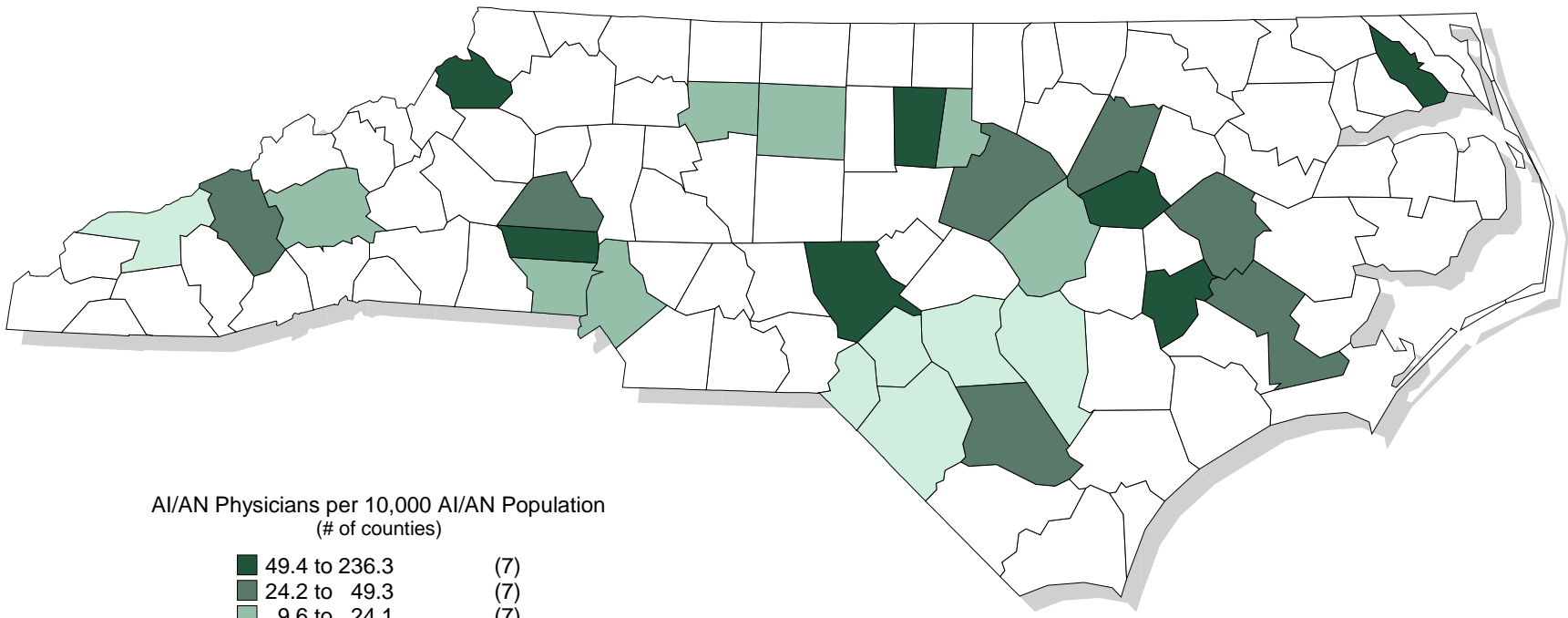
American Indian/Alaskan Native Physicians, North Carolina 2004



Produced by: North Carolina Health Professions Data System, Cecil G. Sheps Center for Health Services Research, University of North Carolina at Chapel Hill with data derived from the NC Medical Board, 2004.

*Counts include active, in-state, non-federal physicians who reported their race as "American Indian/Alaskan Native" on their licensure form.

American Indian/Alaskan Native (AI/AN) Physicians per 10,000 AI/AN Population, North Carolina 2004



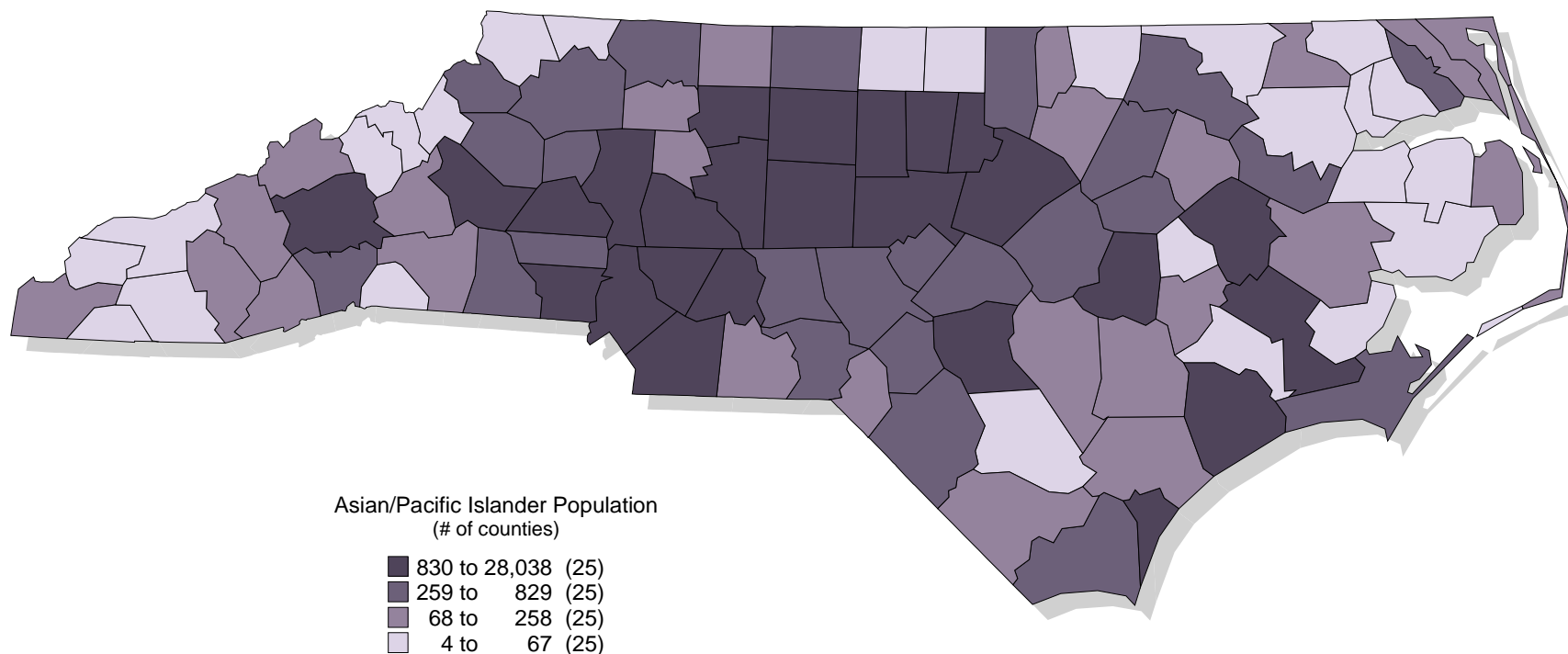
AI/AN Physicians per 10,000 AI/AN Population
(# of counties)

49.4 to 236.3	(7)
24.2 to 49.3	(7)
9.6 to 24.1	(7)
2.6 to 9.5	(6)
No AI/AN Physicians	(73)

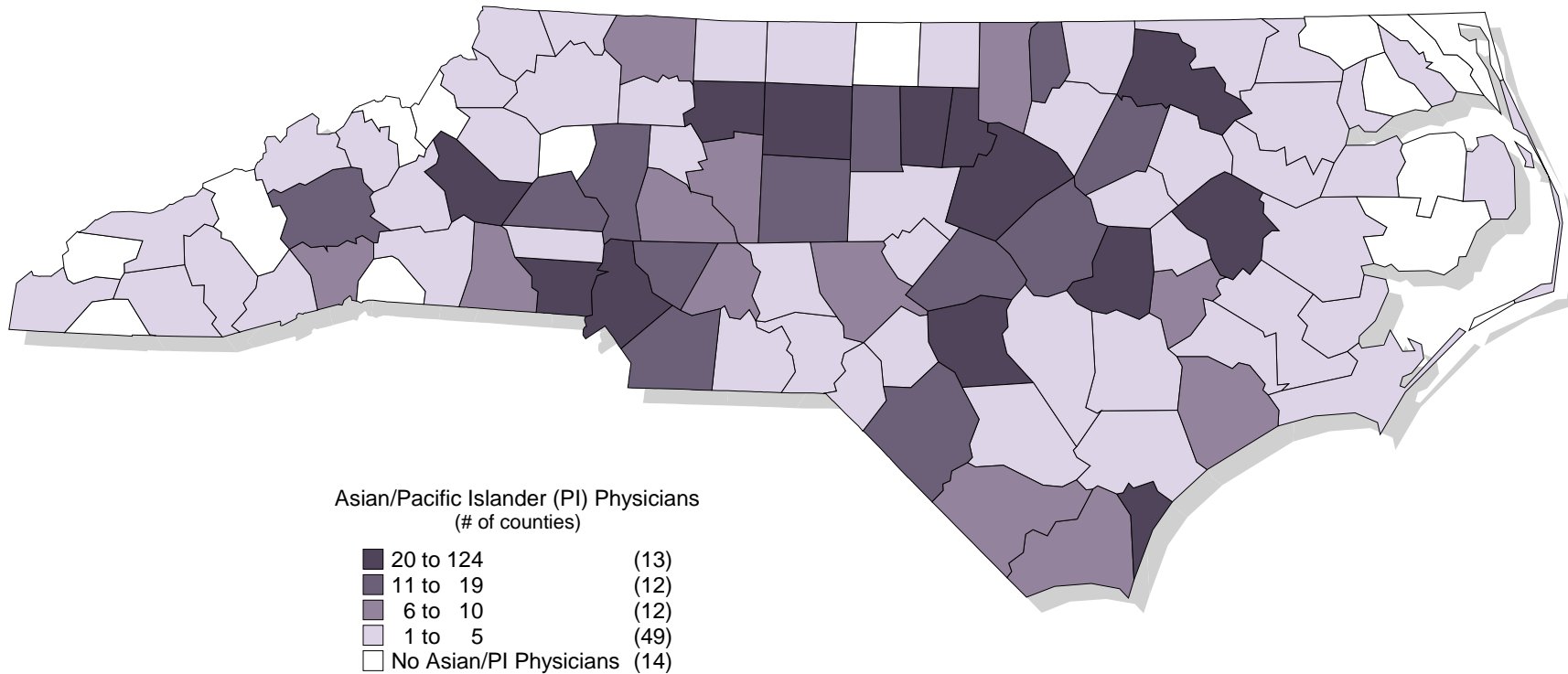
Produced by: North Carolina Health Professions Data System, Cecil G. Sheps Center for Health Services Research, University of North Carolina at Chapel Hill with data derived from the NC Medical Board and the U.S. Census Population Estimates Program.

*Counts of physicians include active, in-state, non-federal physicians who reported their race as "American Indian/Alaskan Native" on their licensure form.

Asian/Pacific Islander Population, North Carolina 2004



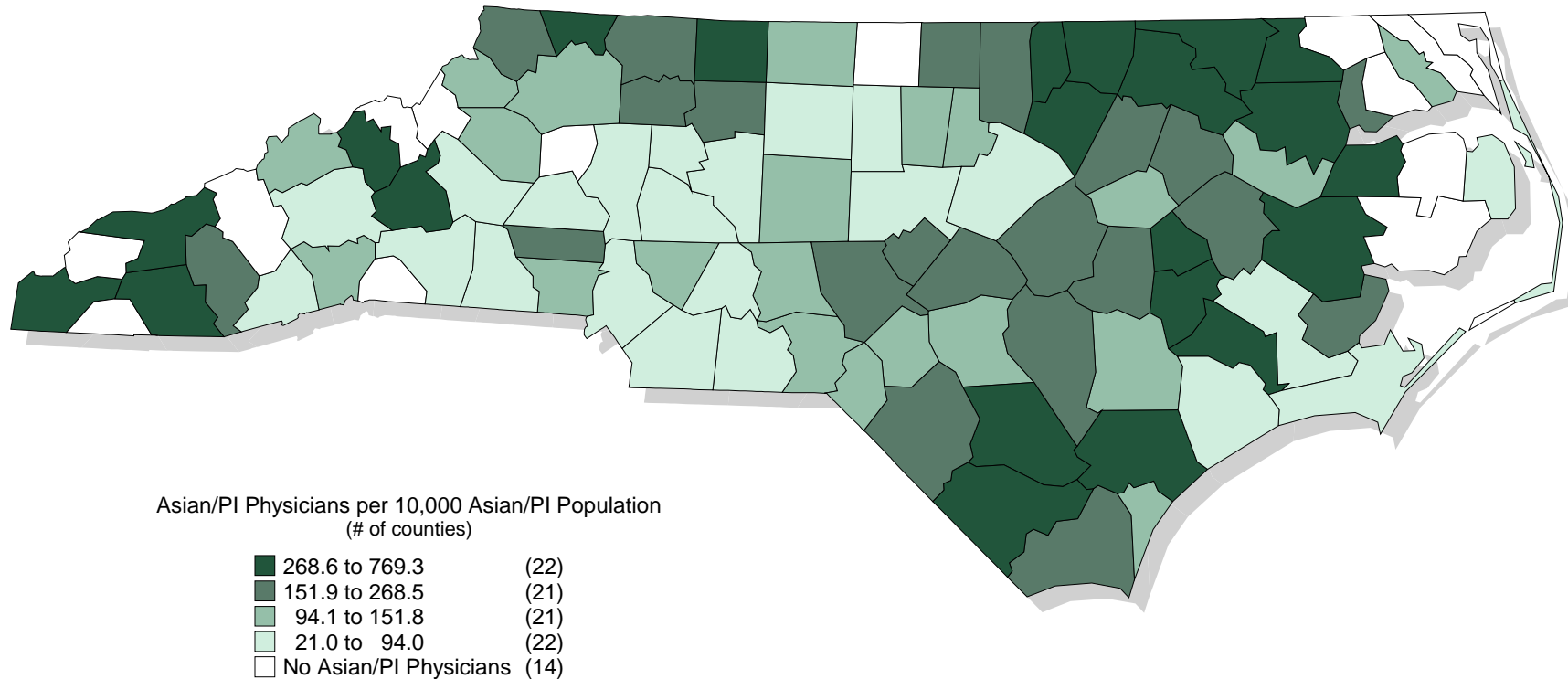
Asian/Pacific Islander Physicians, North Carolina 2004



Produced by: North Carolina Health Professions Data System, Cecil G. Sheps Center for Health Services Research, University of North Carolina at Chapel Hill with data derived from the NC Medical Board, 2004.

*Counts include active, in-state, non-federal physicians who reported their race as "Asian/Pacific Islander" on their licensure form.

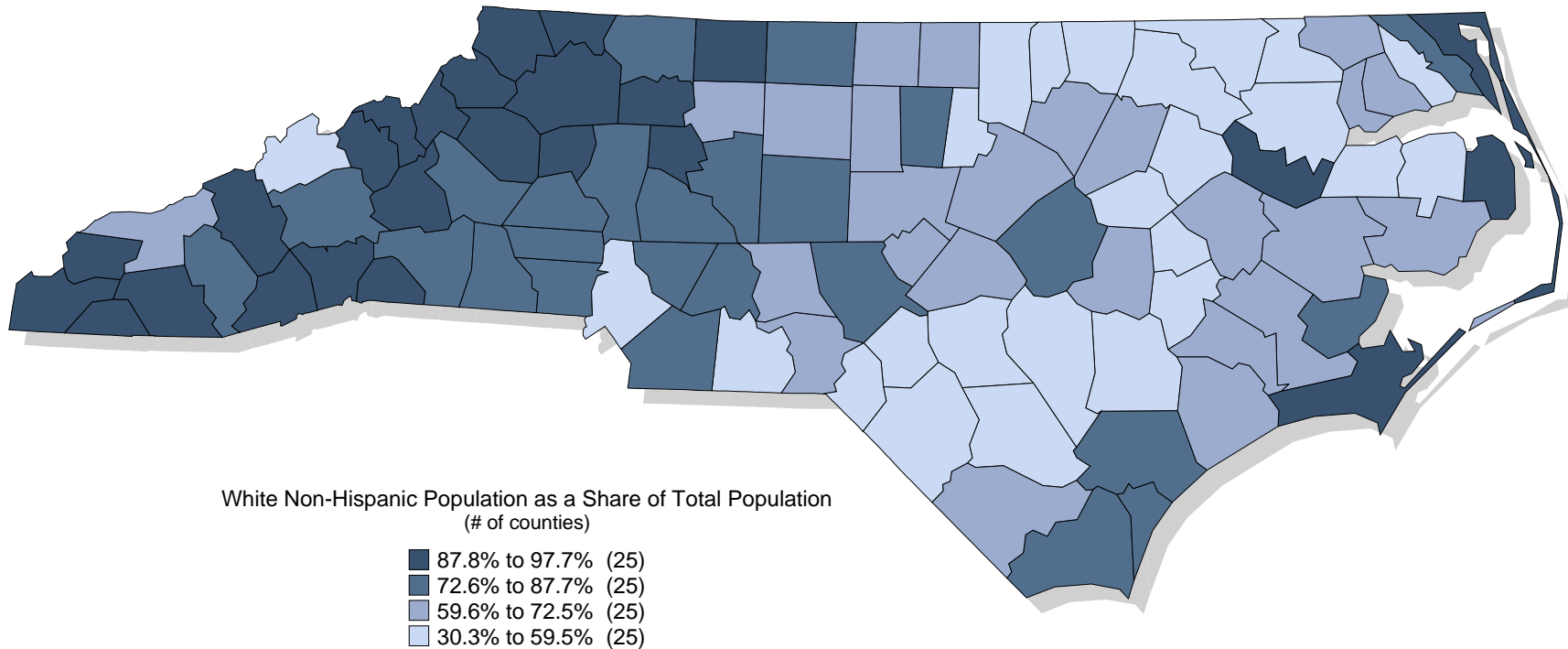
Asian/Pacific Islander (PI) Physicians per 10,000 Asian/PI Population, North Carolina 2004



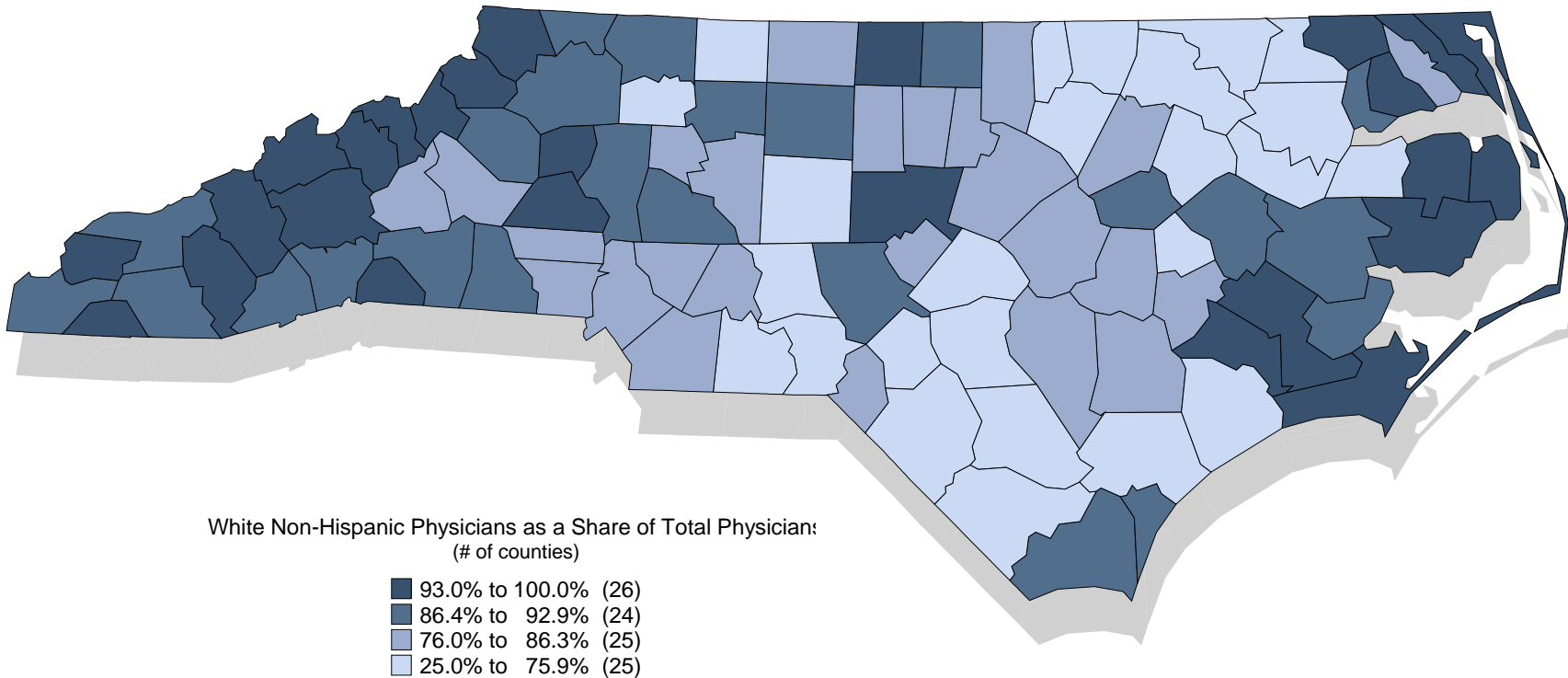
Produced by: North Carolina Health Professions Data System, Cecil G. Sheps Center for Health Services Research, University of North Carolina at Chapel Hill with data derived from the NC Medical Board and the U.S. Census Population Estimates Program.

*Counts of physicians include active, in-state, non-federal physicians who reported their race as "Asian/Pacific Islander" on their licensure form.

White Non-Hispanic Population as a Share of Total Population, North Carolina 2004



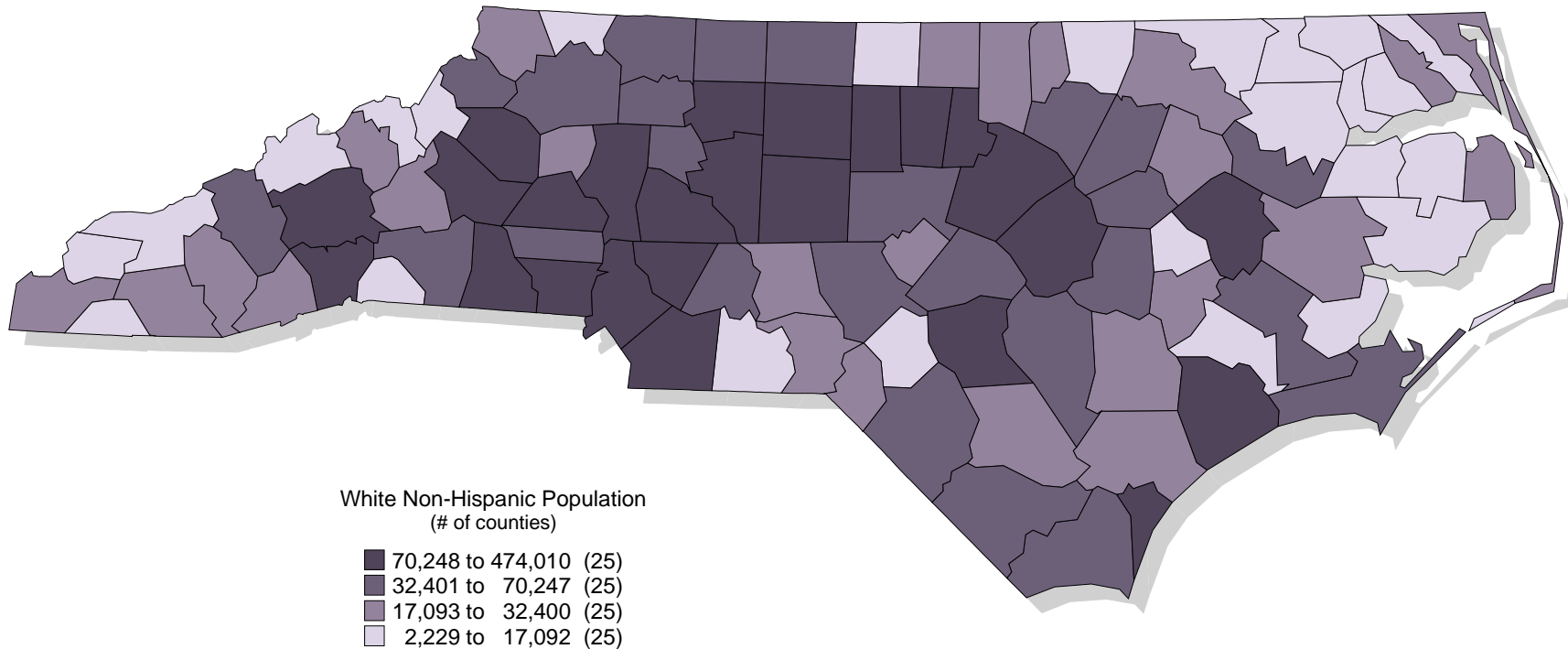
White Non-Hispanic Physicians as a Share of Total Physicians, North Carolina 2004



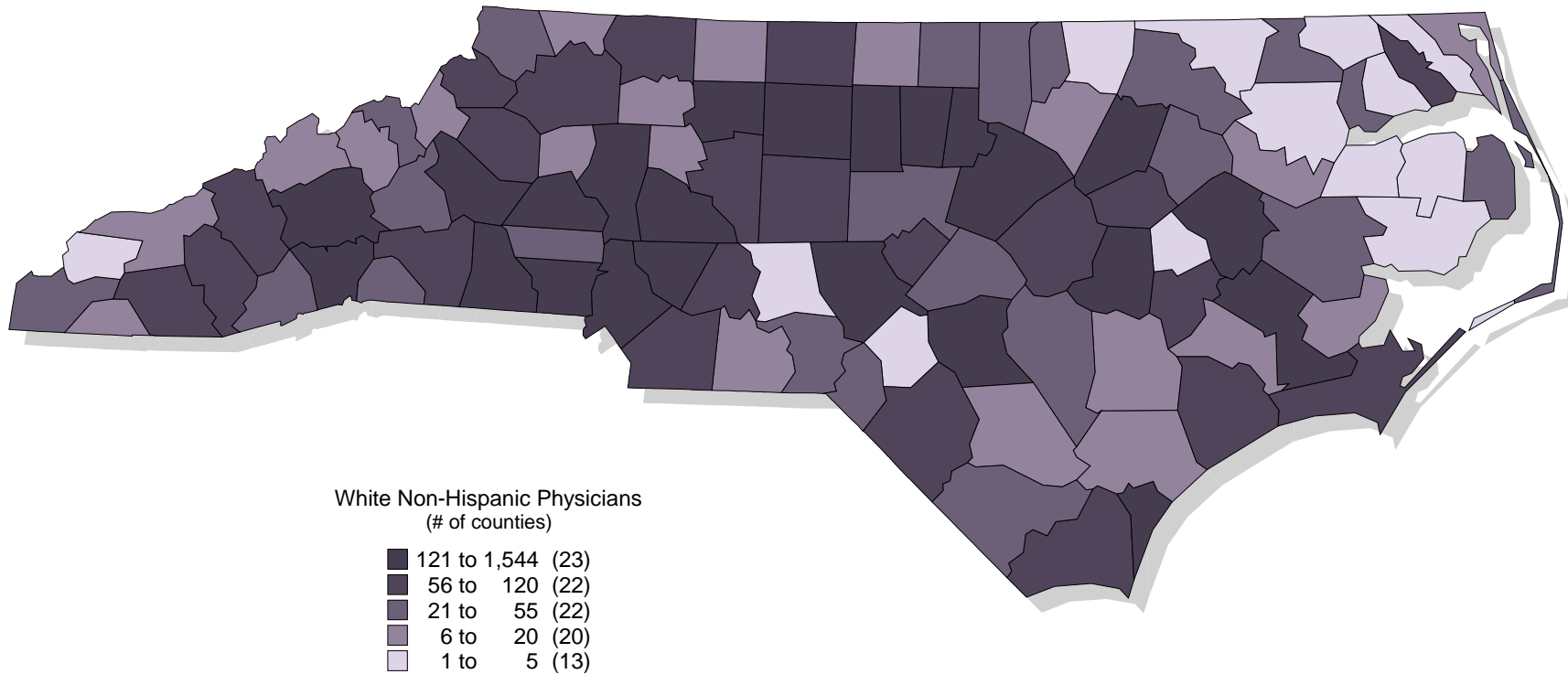
Produced by: North Carolina Health Professions Data System, Cecil G. Sheps Center for Health Services Research, University of North Carolina at Chapel Hill with data derived from the NC Medical Board, 2004.

*Counts include active, in-state, non-federal physicians who reported their race as "White, non-Hispanic" on their licensure form.

White Non-Hispanic Population, North Carolina 2004



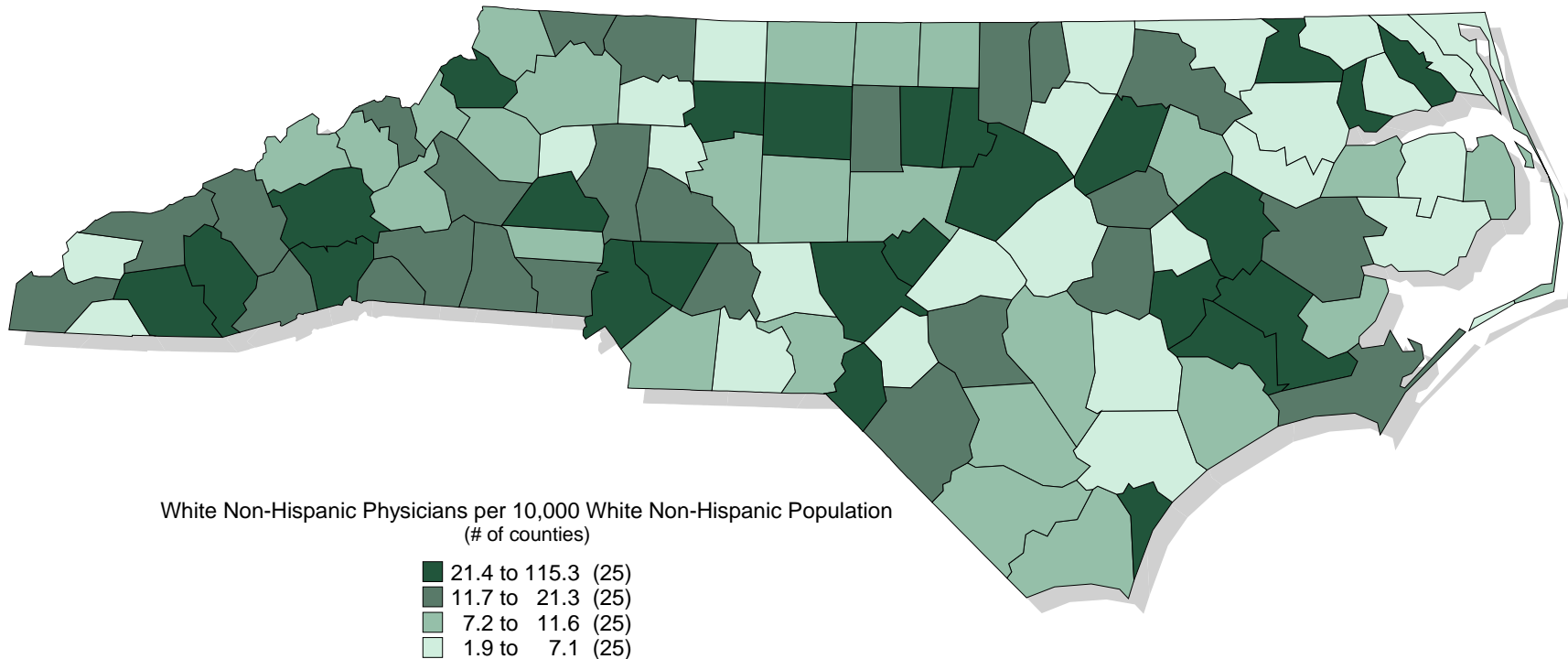
White Non-Hispanic Physicians, North Carolina 2004



Produced by: North Carolina Health Professions Data System, Cecil G. Sheps Center for Health Services Research, University of North Carolina at Chapel Hill with data derived from the NC Medical Board, 2004.

*Counts include active, in-state, non-federal physicians who reported their race as "White, non-Hispanic" on their licensure form.

White Non-Hispanic Physicians per 10,000 Black Non-Hispanic Population, North Carolina 2004



Produced by: North Carolina Health Professions Data System, Cecil G. Sheps Center for Health Services Research, University of North Carolina at Chapel Hill with data derived from the NC Medical Board and the U.S. Census Population Estimates Program.

*Counts of physicians include active, in-state, non-federal physicians who reported their race as "White, non-Hispanic" on their licensure form.