



Where did North Dakota Physicians do their Residency and Where Have North Dakota Residency Graduates Gone?

This fact sheet was developed using 2011 data from the American Medical Association Master File. An updated version of this information using 2013 data is available on Fact Sheet Number 20 in this series.

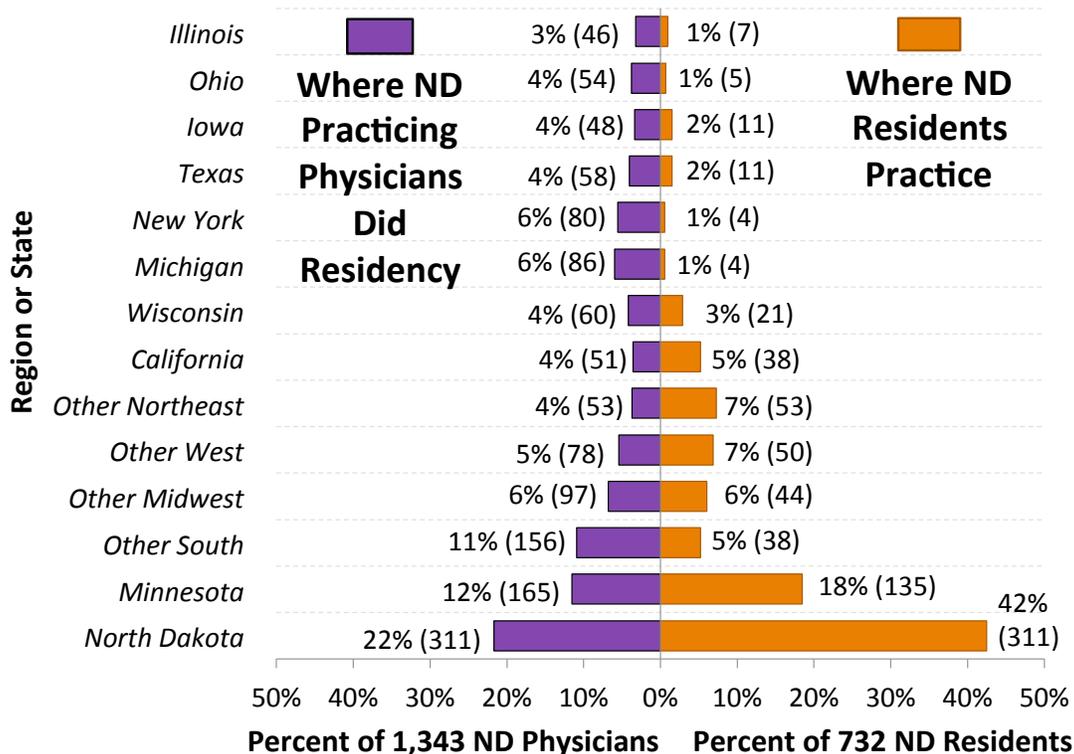
Currently, 1,343 direct patient care physicians practice in North Dakota.*

- 22% (311) graduated from North Dakota
- 12% (165) graduated from Minnesota
- 11% (156) graduated from Southern states
- 6% (97) graduated from Midwestern states
- 5% (78) graduated from Western states
- 4% (53) graduated from Northeastern states
- 4% (51) graduated from California

Currently, 732 residency graduates from North Dakota practice in direct patient care.*

- 42% (311) practice in North Dakota
- 18% (135) practice in Minnesota
- 5% (38) practice in Southern states
- 6% (44) practice in Midwestern states
- 7% (50) practice in Western states
- 7% (53) practice in Northeastern states
- 5% (38) practice in California

Figure 1. Where 1,343 North Dakota Practicing Physicians Completed Residency and Where 732 Physicians Who Did Residency in North Dakota Currently Practice



* There are currently 89 practicing physicians in North Dakota who did not graduate from a residency in the US. The number of North Dakota residency graduates practicing outside the U.S. is unknown.

Where are practicing North Dakota physicians more likely to have completed residency than where North Dakota residents currently practice (*more coming in than going out*)?

- Southern states (Alabama, Arkansas, Delaware, District of Columbia, Florida, Georgia, Kentucky, Louisiana, Maryland, Mississippi, North Carolina, Oklahoma, South Carolina, Tennessee, Virginia, and West Virginia) (11% vs. 5%)
- Midwestern states (Illinois, Iowa, Kansas, Michigan, Nebraska, and Ohio) (7% vs. 6%)
- Wisconsin (4% vs. 3%)
- Michigan (6% vs. 1%)
- New York (6% vs. 1%)
- Texas (4% vs. 2%)
- Iowa (3% vs. 2%)
- Ohio (4% vs. 1%)
- Illinois (3% vs. 1%)

Where are practicing physicians who did residencies in North Dakota more likely to currently practice than where North Dakota practicing physicians completed residency (*more going out than coming in*)?

- North Dakota (42% vs. 22%)
- Minnesota (18% vs. 12%)
- Western states (Alaska, Arizona, Colorado, Hawaii, Idaho, Montana, Nevada, New Mexico, Oregon, Utah, Washington, Wyoming) (7% vs. 5%)
- Northeastern states (Connecticut, Maine, Massachusetts, New Hampshire, New Jersey, New York, Pennsylvania, Rhode Island, and Vermont) (7% vs. 4%)
- California (5% vs. 4%)

Conclusions

- The balance of migration into and out of North Dakota regarding residency graduation state varies widely by state. It can be thought of as the state level balance of trade in training and practice destination.
- The market for physicians is a national one. Residency graduates disperse widely across the nation and are strongly influenced by such factors as the location of their subspecialty choice, opportunities, home origins and their spouse origins where applicable. The smaller and/or more specialized the medical specialty, the more nationwide is their specialty market.
- The largest number of North Dakota residents practicing out of state is in Minnesota (135).

References

Data used here were obtained from the American Medical Association (AMA) physician master file from May 31, 2011. Regional definitions follow those of the U.S. Census Bureau.

For more information, contact

Marilyn G. Klug, PhD
701.787.0089 • marilyn.klug@med.und.edu

Gary Hart, PhD
701.777.3848 • gary.hart@med.und.edu

Mandi-Leigh Peterson, MA
701.777.6719 • mandi.peterson@med.und.edu

Center for Rural Health

The University of North Dakota
School of Medicine & Health Sciences
501 North Columbia Road, Stop 9037
Grand Forks, ND 58202-9037
701.777.3848 • ruralhealth.und.edu