



## Where Did North Dakota Primary Care Physicians Graduate from Medical School and Where Have North Dakota Medical School Primary Care Graduates Gone?

*This fact sheet is Number 13 in a series of analyses regarding physicians in North Dakota.*

Primary care physicians are defined as those practicing in family/general practice (FP/GP), general internal medicine (GIM), and general pediatrics (Gen Ped).

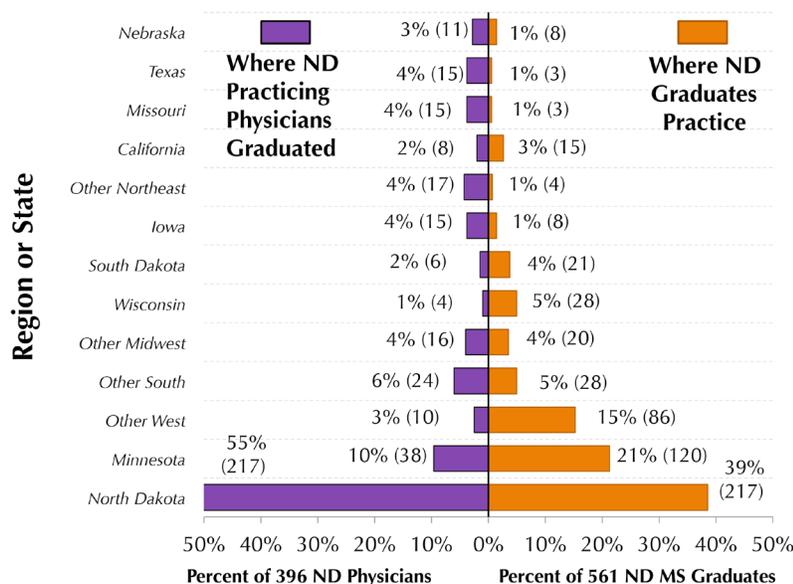
### In 2011, 396 primary care physicians practiced in direct patient care in North Dakota.\*

- 55% (217) graduated from North Dakota
- 10% (38) graduated from Minnesota
- 6% (24) graduated from Southern states
- 4% (17) graduated from Northeastern states
- 4% (16) graduated from other Midwest states
- 4% (15) graduated from Iowa
- 4% (15) graduated from Missouri

### In 2011, 561 graduates from the University of North Dakota of Medicine & Health Science (UND SMHS) practice as primary care physicians in direct patient care in the United States.\*

- 39% (217) practice in North Dakota
- 21% (120) practice in Minnesota
- 15% (86) practice in Western states
- 5% (28) practice in Southern states
- 5% (28) practice in Wisconsin
- 4% (21) practice in South Dakota
- 4% (20) practice in other Midwest states

**Figure 1. Where 396 North Dakota primary care physicians graduated from medical school and where 561 graduates of the University of North Dakota School of Medicine & Health Science currently practice primary care**



\* In 2011, there were 20 physicians from Canada and 136 from other countries practicing in primary direct patient care in North Dakota. The number of medical school graduates from the University of North Dakota School of Medicine and Health Sciences (UND SMHS) practicing out of the United States is unknown. These physicians are not included in this fact sheet.

## Where practicing North Dakota physicians are more likely to have graduated from medical school compared to where UND SMHS graduates currently practice (more coming in than going out):

- North Dakota (55% vs. 39%)
- Southern states (Alabama, Arkansas, Delaware, District of Columbia, Florida, Georgia, Kentucky, Louisiana, Maryland, Mississippi, North Carolina, Oklahoma, South Carolina, Tennessee, Virginia, and West Virginia) (6% vs. 5%)
- Northeastern states (Connecticut, Maine, Massachusetts, New Hampshire, New Jersey, New York, Pennsylvania, Rhode Island, and Vermont) (4% vs. 1%)
- Missouri (4% vs. 1%)
- Iowa (4% vs. 1%)
- Texas (4% vs. 1%)
- Nebraska (3% vs. 1%)

## Where UND SMHS graduates are more likely to currently practice compared to where North Dakota practicing physicians have graduated from (more going out than coming in):

- Minnesota (21% vs. 10%)
- Western states (Alaska, Arizona, Colorado, Hawaii, Idaho, Montana, Nevada, New Mexico, Oregon, Utah, Washington, Wyoming) (15% vs. 3%)
- Wisconsin (5% vs. 1%)
- South Dakota (4% vs. 2%)
- California (3% vs. 2%)

## Conclusions

- The balance of migration into and out of North Dakota regarding medical school 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. Medical school graduates disperse widely across the nation and are strongly influenced by such factors as the location of their residency training, specialty choice, opportunities, home origins, and their spouse origins when applicable. The smaller and/or more specific the medical specialty, the more nationwide is their employment market.
- Subsequent fact sheets in this series of physicians and North Dakota will explore this information from the perspective of such factors as residency training and specialty.
- The largest number of UND SMHS primary care graduates practicing out of state is in Minnesota (120).
- Note that only 38 primary care physicians in direct patient care who practiced in North Dakota received medical degrees in Minnesota.

## Data

*The physician data are from the 2011 American Medical Association physician master file.*

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