



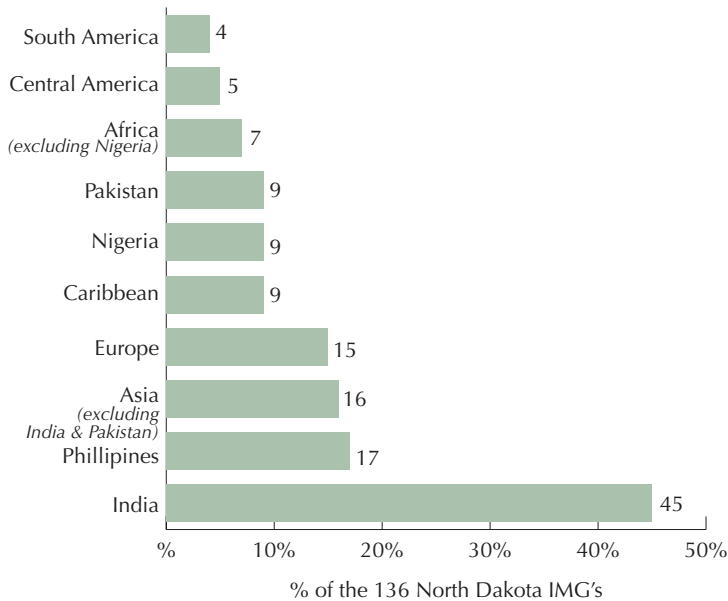
## Characteristics of US and International Medical Graduates in Primary Care Physicians in North Dakota

*This fact sheet is Number 12 in a series of analyses regarding physicians in North Dakota.*

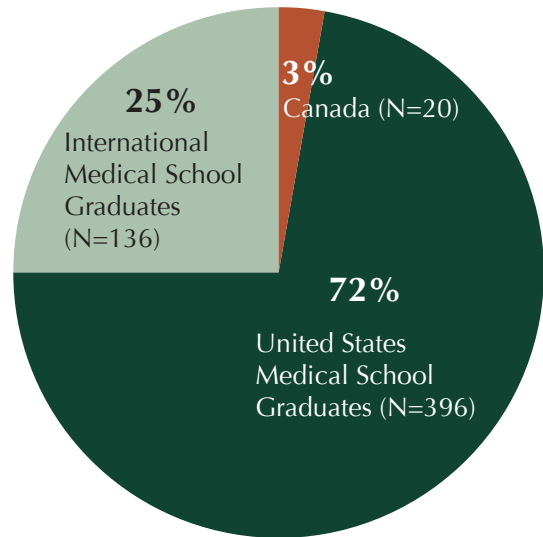
Currently there are 552 primary care physicians practicing in primary care in North Dakota; 416 are United States or Canada Medical Graduates (USMGs) and 136 are International Medical Graduates (IMGs) (Figure 1). Nationally, about 10% of IMGs were born in the U.S. Primary care physicians are defined as those practicing in family/general practice (FP/GP), general internal medicine (GIM), and general pediatrics (Gen Ped).

The locations of where the IMGs received their medical degrees are shown in Figure 2. Most IMGs practicing in North Dakota (87%) are from Southern and Southeast Asia. The top three source countries are India (45%), Philippines (17%), and Nigeria (9%).

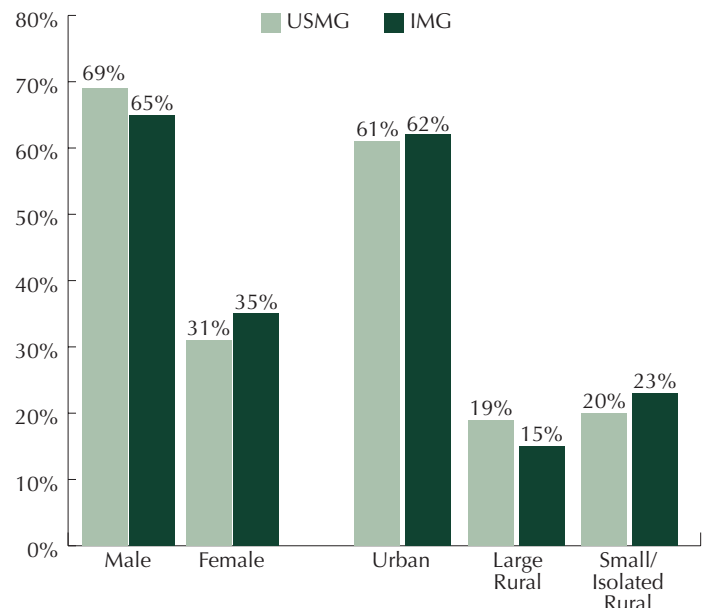
**Figure 1. Country of medical school graduation for IMG physicians practicing in North Dakota**



**Figure 2. Physicians in North Dakota who are IMGs**



**Figure 3. Sex and rural/urban status of USMG and IMG primary care physicians**



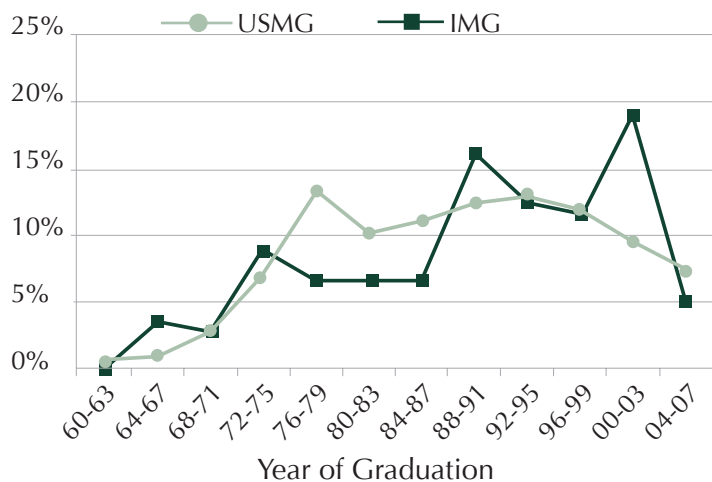
- IMG primary care physicians are a little more likely to be female.
- IMG primary care physicians are slightly more likely to practice in small or isolated rural areas.

**Table 1. Primary care USMG/IMG status by specialty and rural/urban status**

|              | FP/GP |     | GIM |     | Gen Ped |     |
|--------------|-------|-----|-----|-----|---------|-----|
|              | N     | %   | N   | %   | N       | %   |
| Urban        |       |     |     |     |         |     |
| USMG         | 157   | 62% | 55  | 22% | 42      | 17% |
| IMG          | 19    | 23% | 56  | 67% | 9       | 11% |
| Large Rural  |       |     |     |     |         |     |
| USMG         | 57    | 73% | 11  | 14% | 10      | 13% |
| IMG          | 7     | 33% | 10  | 48% | 4       | 19% |
| Sm/Iso Rural |       |     |     |     |         |     |
| USMG         | 65    | 77% | 14  | 17% | 5       | 6%  |
| IMG          | 21    | 68% | 9   | 29% | 1       | 3%  |
| Total        |       |     |     |     |         |     |
| USMG         | 279   | 67% | 80  | 19% | 57      | 14% |
| IMG          | 47    | 35% | 75  | 55% | 14      | 10% |

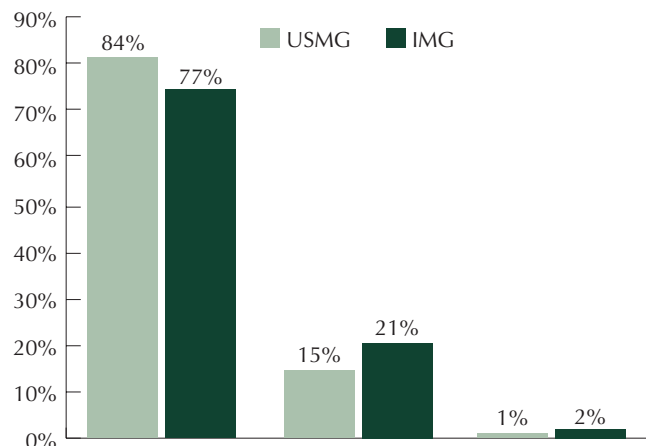
- IMGs are more likely to practice in general internal medicine than USMGs.
- IMGs are more likely to practice as FP/GPs in small/isolated rural areas than elsewhere.

**Figure 4. Year of graduation for primary care physicians by IMG and USMG**



- IMG primary care physicians are more likely to have graduated from medical school more recently (1988 or sooner).

**Figure 5. Type of practice of primary care physicians by IMG and USMG**



- IMG primary care physicians are less likely to practice in office-based practice than USMGs and more likely to practice in hospital-based practice.

## Conclusions

Primary care International Medical Graduates represent a quarter of all primary care physicians in North Dakota. The IMGs are mostly from Asia, more likely to be female, about as likely to be in rural practice, more likely to be General Internal Medicine physicians than Family Practice/General Practice physicians and more likely to practice in hospitals.

## Data

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

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