WWAMI in Montana

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Physician Pipeline

K-12

College (4 years)

Medical School (4 years)

Residency/Fellowship (3-7 years)

Practicing Physician
WWAMI
Non-metro percent of population by state

12%

65%

34%

70%

33%
The WWAMI Program: Founding Goals (1971)

1) Access to Publicly Supported Medical Education

2) Avoid excessive capital costs by using existing educational infrastructure

3) Create Community-Based Medical Education

4) Expand GME and CME across WWAMI

5) Increase the number of primary care providers (MD) /address maldistribution of physicians
Entering 2015
TRUST/WRITE students
Hometowns & Community Placements

Libby
Riley Grogan ~ hometown, Polson

Glasgow
Justinn Marshall ~ hometown, Saco

Lewistown
Justin Brewer ~ hometown, Melstone
Payton Skawinski ~ hometown, Great Falls

Kellee Glaus ~ hometown, Whitehall

Hamilton
Carlee Fountaine ~ hometown, Bozeman

Butte
Heidi Gross ~ hometown, Bozeman

Dillon
Kyler Kingston ~ hometown, Butte

Miles City
Aaron Maus ~ hometown, Wibaux

Hardin
Rebekah Huckeby ~ hometown, Butte

Montana WWAMI
Montana Physician Workforce Data

Per 100K population, Montana ranks:
- 29th in nation for total active patient care physicians
- 24th for active patient care primary care physicians
- 11th for active patient care general surgeons

Montana’s physicians are aging:
- 32.7% of Montana physicians are over age sixty
  (National average is 29.4%)

2015 AAMC State Physician Workforce Data Book
How many Montana students attend medical or osteopathic schools, past 7 years?

• 54 MT residents per year attend medical school in the US
  ▪ MT WWAMI-30
  ▪ WICHE medical school-6

• 19 MT residents per year attend osteopathic school in the US
  ▪ WICHE osteopathic school-2
Workforce Progress-Montana
WWAMI since inception in 1973

• Rate of return: 40%
  (MT WWAMI grads that practice in MT)
• Return on Investment for MT: 56%
  (all WWAMI grads that practice in MT)
Specialty Choice of WWAMI Graduates 1973-2015 (top ten)

Medical Specialties of Montana WWAMI Graduates
(Total: 731)
Years: 1973 - 2015

- Family Medicine: 166
- Internal Medicine: 161
- Emergency Medicine: 67
- Surgery: 62
- Anesthesiology: 51
- Pediatrics: 46
- OBGYN: 35
- Orthopedics: 32
- Psychiatry: 22
- Radiology: 18

# of Graduates in Specialty
WWAMI is cost-effective

- State support per student for medical education in Montana is $33,039
- Montana FY 16 state appropriation for WWAMI is $4,124,480
- 60% of Montana state appropriations for WWAMI are spent in Montana
- A 2010 study showed that for every state dollar invested in WWAMI, Montana gets back 5.14 dollars into our economy
Medical Education-Cost per Capita

Montana: $4.91
South Dakota: $25.95
North Dakota: $37.11
Medical Education-Cost per Student

Montana: $33,039
South Dakota: $79,075
North Dakota: $87,958
Key Questions

• Do we have the appropriate physician workforce data?
• What are our goals based on the best available data?
• How can we best meet those goals, attending to the entire medical education pipeline?
  – Improve STEM efforts in K-12 education-grow pipeline
  – Scalable medical student increase
  – Focused residency increase
• How can we assist rural/underserved Montana in recruiting and retaining physicians beyond simply increasing the physician supply?
• How can we improve the diversity in our physician workforce especially for our Native American populations?