WWAMI - Idaho

WWAMI is recognized internationally as a “benchmark program” for high quality, cost-effective, community-based medical education that is responsive to health professional workforce needs.
The WAMI Program: Founding Goals (1971)

1) Provide access for citizens of the Northwest to publicly supported medical education
2) Increase number of primary care physicians and address maldistribution of physicians
3) Create community-based medical education
4) Expand graduate medical education and continuing medical education
5) Avoid excessive capital costs and duplication of resources by using existing educational infrastructure
UI/WAMI in Idaho

1975

WAMI First Year Sites

University of Idaho, Moscow
Washington State University, Pullman

Ob/G  OB/GYN Clerkship Site
Peds  Pediatric Clerkship Site
Fam  Family Medicine

Ob/G  Boise
Fam  Pocatello
Peds  Moscow

Pullman
2008 WWAMI Educational Continuum
Targeting Primary Care from Grade School through Community Practice

Office of Multicultural Affairs (OMCA)
Native American Center of Excellence (OMCA)

K-12
AHEC
Area Health Education Centers
Fausto & DeLancey Middle School Program (NACOE)
NIH-NIDDK-Charles Drew High School Summer Research Program (OMCA)

Higher Education
Summer Medical Dental Education Program
OMCA
State-Specific Admissions Committees

R/UOE
Rural/Underserved Observation Experience
AHEC Program Office

Medical School
The College System
4 year, integrated curriculum of fundamental clinical skills and professionalism

First Year Sites
Preclinical Education

SPARX
Student Providers Aspiring to Rural and Underserved eXperiences

CHAP
Community Health Advancement Program

R/UOP
Rural/Underserved Opportunities Program

Clinical Clerkships
Required (3rd & 4th year) Community-Based

WWAMI Tracks
Alaska
Idaho
Montana
Spokane
Wyoming

WRITE
WWAMI Rural Integrated Training Experience

Residencies/Fellowships
Fam
IntMd
Psych
Peds

Community Practice
AHEC
Area Health Education Centers

WWAMI Rural Health Research Center

WWAMI Center for Health Workforce Studies

Lifelong Practice Support
Continuing Medical Education
MEDCON
Health Sciences Library
Rural Telemedicine Network

First Year Sites
Preclinical Education

SPARX
Student Providers Aspiring to Rural and Underserved eXperiences

CHAP
Community Health Advancement Program

R/UOP
Rural/Underserved Opportunities Program

Clinical Clerkships
Required (3rd & 4th year) Community-Based

WWAMI Tracks
Alaska
Idaho
Montana
Spokane
Wyoming

WRITE
WWAMI Rural Integrated Training Experience

Residencies/Fellowships
Fam
IntMd
Psych
Peds

Community Practice
AHEC
Area Health Education Centers

WWAMI Rural Health Research Center

WWAMI Center for Health Workforce Studies

Lifelong Practice Support
Continuing Medical Education
MEDCON
Health Sciences Library
Rural Telemedicine Network
Idaho WWAMI

3 of 4 medical school years can now be completed in Idaho through this distributive model.

**Year 1:** Basic sciences & introduction to patient care at University of Idaho

**Year 2:** Organ-systems medical education and core clinical skills “Colleges” training in Seattle

**Years 3 and 4:** Clinical training in Idaho or other WWAMI states
<table>
<thead>
<tr>
<th></th>
<th>Idaho</th>
<th>WWAMI Total</th>
<th>Non-WWAMI</th>
<th>Grand Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>Total Applied</td>
<td>138</td>
<td>1105</td>
<td>3094</td>
<td>4199</td>
</tr>
<tr>
<td>Interviewed</td>
<td>91</td>
<td>734</td>
<td>115</td>
<td>849</td>
</tr>
<tr>
<td>Accepted</td>
<td>20</td>
<td>195</td>
<td>21</td>
<td>216</td>
</tr>
</tbody>
</table>
# Public vs. Private Medical Education

## Cost to the Student - 2008

<table>
<thead>
<tr>
<th></th>
<th>WWAMI</th>
<th>PUBLIC*</th>
<th>PRIVATE*</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Student Tuition</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Resident</td>
<td>$17,425</td>
<td>$20,836</td>
<td>$38,180</td>
</tr>
<tr>
<td>Non-Resident</td>
<td>$41,429</td>
<td>$40,126</td>
<td>$39,332</td>
</tr>
<tr>
<td><strong>TOTAL STUDENT DEBT</strong> (at graduation) 2007</td>
<td>$104,919</td>
<td>$129,810</td>
<td>$156,804</td>
</tr>
</tbody>
</table>

*Mean Numbers*
Costs of Educating a Medical Student

- AAMC 1995 study reports an annual cost of educating a medical student between $95K and $136K in 2008 dollars; of this, instructional costs were $54K to $67K per year.

- LCME 2007 Financial and Medical School Questionnaires report the average state support of a public medical school student is $103K per year.

- The funded cost per medical student in the Spokane WWAMI expansion is $71K.

- WWAMI Idaho costs of $63K per student include the additional costs related to a regional medical school, such as regional offices, faculty support and clerkships in Idaho.

- 57% of appropriated funds for WWAMI in Idaho are spent in Idaho each year.

- UWSOM’s first-year tuition and fees in FY 2009 are 81% of the average at public medical schools.
2008 WWAMI Economic Impact Study
UI College of Business & Economics

- Idaho WWAMI Education and Research Programs generate $17 million in sales; $8 million in wages; 195 jobs; and $500,000 in taxes annually
- Idaho WWAMI Practicing Physicians generate $275 million in sales; $156 million in wages; 2,064 jobs; and $2 million in taxes annually
- Idaho WWAMI generates over $5.00 of economic contributions for every State dollar of funding received, compared to national medical school average of $2.30
WWAMI Graduates Return to Idaho

- 50% of all Idaho WWAMI graduates have returned to practice medicine in Idaho
  - U.S. medical schools average in-state return rate: 39%
  - Oregon 46%; Utah 42%; N Dakota 32%; S Dakota 41%

- With additional non-Idaho WWAMI graduates who set up practice in Idaho, the State’s Return on Investment goes up to 75%

- 48% of WWAMI graduates enter primary care
  - National average 38%
WWAMI Graduates Practice Sites in Idaho
WWAMI = Quality
Achieving Excellence
in Medical Education

- Full accreditation through the LCME:
  “The benchmark WWAMI Program provides students with a unique opportunity for education and personal growth.” (LCME letter of accreditation, 2002)
  - Consistent measurement of educational equivalency across distributed basic and clinical training sites

- U.S. News & World Report:
  - #1 Primary Care Medical School (15 years)
  - #1 in Family Medicine & Rural Health (15 years)
Entering students (E-2008):

- **MCAT Composite**: 31.0 (27.4)*
- **GPA**: 3.66 (3.6)*

*(National Average)*

- Medical student board scores (USMLE) at or above national average
- AAMC Outstanding Community Service Award – 2002
- WWAMI Participation: Volunteer Faculty Rating $n=4,800$:
  - High degree of satisfaction & support .................. 93%
  - Enhanced their patient care ............................. 90%
  - Contributes to meeting professional goals .......... 97%
- Provision of ongoing faculty development for all preceptors
- Students achieve residency match goals > 95% of time
# Resident Training (GME) is Different from Medical Student Education

<table>
<thead>
<tr>
<th></th>
<th>Medical Student</th>
<th>Resident</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Learner Status</strong></td>
<td>Student</td>
<td>Trainee/Employee</td>
</tr>
<tr>
<td><strong>Learner</strong></td>
<td>Pays Tuition</td>
<td>Receives Stipend/Benefits</td>
</tr>
<tr>
<td><strong>Admission</strong></td>
<td>Admissions Committee</td>
<td>NRMP Match</td>
</tr>
<tr>
<td><strong>Accreditation</strong></td>
<td>LCME</td>
<td>ACGME</td>
</tr>
<tr>
<td><strong>State Licensure</strong></td>
<td>Not Eligible as Student</td>
<td>Eligible During Residency</td>
</tr>
<tr>
<td><strong>Sponsorship</strong></td>
<td>Medical School</td>
<td>Multiple: Hosp., Med Sch, Univ.</td>
</tr>
<tr>
<td><strong>Source of Financial Support</strong></td>
<td>Tuition + State or Private</td>
<td>Federal + State + Sponsoring Hosp.</td>
</tr>
</tbody>
</table>
WWAMI GME in Idaho
UW-Affiliated Programs

- **Family Medicine Residency***
  - Boise – 10 residents/year
  - Caldwell – 2 residents/year
  - Magic Valley – 1 resident/year
  - Pocatello – 6 residents/year

- **Family Medicine Residency Fellowships***
  - Sports Medicine – 1 fellow/year
  - HIV Primary Care – 1 fellow/year
  - Rural – 1 fellow/year

*University of Washington Family Medicine Residency Network
Family Medicine Residency Network
Outcomes

- 101 Idaho graduates through 2004
- Among all Network graduates:
  - 65.4% practice in WWAMI
  - 24.1% practice in communities < 25,000
  - 16% practice in communities < 5,000
  - 34.5% practice in medically underserved communities
WWAMI GME in Idaho – UW School of Medicine Programs

- **Internal Medicine Residency Track**
  - Boise Track – Ten 2nd-year residents (R2)
  - Preliminary Program – Six 1st year residents (R1)

- **Psychiatry: Idaho Track Psychiatry Residency**
  - Two R1, Three R2 residents in Seattle
  - Three residents per year (R3 & R4) in Idaho

- **Pediatric Residents**
  - Six R2 residents/year in Pocatello

- **Pulmonary Fellowship**
  - One per year pending ACGME action
Research

- UI WWAMI faculty bring in $11 million dollars of NIH funding annually to Idaho (5 year average)
- UI WWAMI NIH research funding is already greater than 14 U.S. Medical Schools (including U of North Dakota, Creighton U, and Florida State U.)
- Institute for Translational Health Science initiated 2008 to serve WWAMI region.
Expand class size for Idaho residents from 20 to 40 medical students/year;

Begin planning to establish a second-year medical education program in Idaho to create a four year WWAMI Idaho medical education program;

Expand existing statewide network of 3rd and 4th year community clinical training sites to accommodate class size increase;

Create a statewide GME approach to expand residency training in Idaho and build on existing collaborative efforts;

Build on existing collaborative efforts in biomedical research.
WWAMI = Quality
The 2nd Year Curriculum

- 2nd year currently taught in Seattle for all WWAMI students.
- Curriculum has 10 “organ systems” courses that integrate basic sciences, research, and clinical care.
- Each course has 10-40 faculty, integrating medical or surgical specialists/sub-specialists with professors and researchers.
- Currently, 200+ faculty, and an Academic Health Center.
- 2nd year also includes: the Colleges (professional mentoring), Pharmacology, Pathology, Epidemiology, ICM, Medicine-Health-Society, Genetics, and Nutrition courses.
- What is required to offer the 2nd year in Idaho? Financial support for increased university-based faculty, clinical faculty, and capacity for distance learning. Requires a feasibility study to develop a design and plan.
WWAMI Idaho Expansion Proposal

Current Status
20 ID students/class

Gradual Increase in Class Size During Planning Using Current WWAMI model

Major Increase in Class Size When New Idaho 4 Yr Model is in Place

Planning phase for New Idaho Model: Planning Funded by UWSOM

Implementation of New Idaho Model
GME Expansion in Idaho

- In 2009, expand the WWAMI Regional Office in Boise in conjunction with the University of Idaho to allow for GME planning and development in Idaho (cost to be determined).

Create an Idaho legislative proposal regarding this initiative.

- Charge:
  - Identify opportunities for additional GME in Idaho and build upon existing programs shared between UWSOM and State of Idaho
  - Strengthen working relationships with hospitals, state agencies, organized medicine to prioritize workforce needs and planning of additional residency programs
  - Create advisory group to oversee planning process
Questions/Comments?