



Marshall University
Joan C. Edwards School of Medicine
Rural Health Initiative

Jennifer T. Plymale
Associate Dean of Admissions
Director, Robert C. Byrd Center for Rural Health
April 1, 2014

Rural Health Initiative

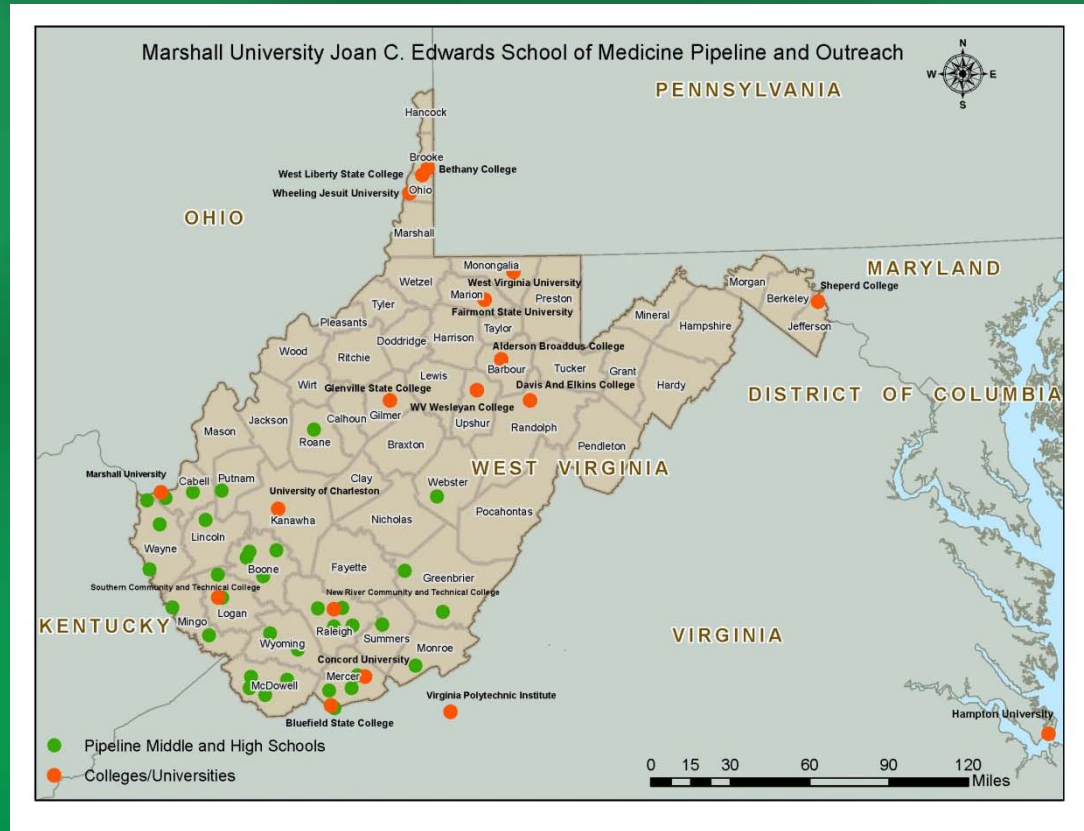
Problem: More physicians needed in rural areas

Solution: Growing our own

- Pipeline programs
 - Middle School
 - High School
 - Encourage students to begin to think about going to college and eliminating perceived barriers
 - College and University
- Recruitment and Retention
 - Encourage students to consider health care careers
 - Provide students with tools to help them be successful in schools
 - Encourage medical students to remain in state for residency
 - Encouraging physicians to practice and remain West Virginia and in rural areas
- Community Development
 - Increase physician involvement in local communities
 - Increase communities involvement in pipeline programs schools
 - Physicians allowing students to be involved in volunteering and shadowing opportunities

Pipeline Programs

- College going rates
 - United States: 64.6% (2010)
 - West Virginia 56.4% (2012)
 - Southern West Virginia counties 50.9% (2012)



Source: West Virginia Higher Education Report Card 2013

Pipeline Programs Middle and High Schools

- Programs and activities for the current academic year:
 - visits to 31 High Schools in 14 counties
 - involving over 1,900 students
- Post-test scores showed a 25% increase in knowledge of healthcare careers
- Activities Include:
 - Tours of Medical School and clinical skills lab
 - Medical Residents/ Faculty Physicians/Other Healthcare Professionals speaking about Health Care Careers
 - Hands-on activities such as DNA extraction, suturing, practicing intubating, etc.
 - Videoconference and virtual surgeries
 - Financial aid discussions/FAFSA workshops
 - Volunteering



Pipeline Programs Middle and High Schools

- Some events are in collaboration with other programs that serve minority/ underrepresented students
 - Upward Bound
 - Gear-Up (*Gaining Early Awareness and Readiness for Undergraduate Programs*)
 - HOSA (*Health Occupations Students of America*)
 - HSTA (*Health Science and Technology Academy*)
- Community Partners
 - County Boards of Education
 - Community and Technical Colleges
 - Community health professionals



Pipeline Programs College

- Recruiting focus:
 - Underrepresented Minorities in Medicine
 - Minorities
 - Females
 - Rural
- Working directly with pre-health advisors in the state
- Activities are focused on eliminating perceived barriers:
 - MCAT Prep books
 - Test taking skills
 - Interviewing workshops
 - Financial aid discussions
 - Preparation of medical school application
 - Volunteering and shadowing

Pipeline Programs College

- Pre-medical Summer Academy
 - Residential academy focused on undergraduate students
 - Focus on study skills assessment, team work, and leadership development
 - Networking with medical students , residents and faculty
 - Development of resumes, mock interviews and importance of volunteering and shadowing



Recruitment and Retention

Opportunities to Pay for Medical Education in West Virginia for Medical Students, Residents, and Physicians

Option 1: Practice obligations can be served concurrently. Amounts can total from \$70,000 to \$150,000.

Amount	Eligible	Requirements	Program	Contact
Up to \$10,000 per year in loan forgiveness for 4 years (\$40,000 total)	Medical students with financial need	Must practice primary care in West Virginia for each year of loan forgiveness	Medical Student Loan Program	Loan applications – Prudy Barker Student Financial Services Office 304-691-8739 barkerp@marshall.edu Loan forgiveness – Robert Long WV Higher Education Policy Commission; 1-888-825-5707 or 304-558-4614, ext. 320
\$20,000 one-time scholarship award	4 th year medical students with interest in primary care and rural practice	Must match with primary care residency in West Virginia & practice in rural underserved area of the state for 2 years	Health Sciences Scholarship Program	Laura Boone WV Higher Education Policy Commission 304-558-0530 lboone@wvnet.hepc.edu
\$5,000 per year for 3 years (\$15,000 total)	Medical students in 2 nd , 3 rd and 4 th years with interest in family medicine	Must practice 2 years in West Virginia in family medicine; students who receive award in 4 th year must practice for one year in the state	Educational Seed for Physicians (ESP)	Anne Stevens Family Medicine Foundation of West Virginia 304-733-6485 fam.med.foundation@citynet.net
\$5,000 per year for 2 years (\$10,000 total)	Medical students in 3 rd and 4 th years with interest in family medicine	Must practice one year in West Virginia in family medicine	Tully Fund	Contact same as above Students can apply for both the ESP and Tully, but only one scholarship will be granted
\$20,000 per year for 4 years (\$80,000 total)	Primary care residents & physicians <i>Site must apply and match funding 50-50</i>	Must practice one year in a rural underserved area of West Virginia for each year of funding	Recruitment and Retention Community Project	Karen Pauley Div. of Rural Health & Recruitment 1-888-442-3456 or 304-558-4382 karen.k.pauley@wv.gov

OPTION 2: The following program, which is state and federally funded, is state administered. Recipient must not be under any other service obligation. Amount can total up to \$90,000.

Amount	Eligible	Requirements	Program	Contact
\$40,000 for 2 year commitment \$25,000 per year for additional 2 years (\$90,000 total)	Primary care physicians	Must practice in a Health Professional Shortage Area (HPSA), which includes federally qualified health centers (FQHCs) and FQHC look-alikes	State Loan Repayment Program	Karen Pauley Div. of Rural Health & Recruitment 1-888-442-3456 or 304-558-4382 karen.k.pauley@wv.gov

OPTION 3: The following program is federally funded and administered. Recipient must not be under any other service obligation. With continued service, NHSC providers may be able to pay off all of their student loans.

Amount	Eligible	Requirements	Program	Contact
Two levels of funding based on HPSA score: 14+ and 0-13 14+ scores: • Up to \$60,000 for 2 years full-time or 4 years half-time practice; • Up to \$30,000 for 2 years half-time practice or 0-13 scores: Comparable amounts are \$40,000 and \$20,000	Primary care physicians Family Med Ob/Gyn General Internal Med Pediatrics Psychiatry Geriatrics	Must practice in a HPSA site approved by the National Health Service Corps, including FQHCs, FQHC look-alikes and Critical Access Hospitals HPSA score as of Jan. 1, 2013 determines community need and amount of repayment	National Health Service Corps (NHSC) Loan Repayment Program Application cycle ends April 15, 2013	NHSC Loan Repayment Program Rockville, Maryland http://nhsc.hrsa.gov/loanrepayment/ For information: Martha Endres NHSC Ambassador in West Virginia martha.w.endres@wv.gov 1-888-442-3456 or 304-558-4382 Rev. Feb 2013

- Individualized financial counseling for medical students
- Financial Forums
 - Mandatory medical student attendance
 - Representatives from State and Federal Scholarship/Loan Repayment Programs

Recruitment and Retention

- Rural Scholars
 - Residents and fourth year medical students participating in this special track will be provided the opportunity to:
 - work directly with faculty and rural health leaders
 - conduct research on a range of rural health issues
 - attend state level meetings pertinent to rural health
 - attend a national rural health conference and participate in seminars focused on special topics in rural health
 - Rural Scholars are chosen based on interest in rural health



Community Development

- Rural Health Fellow
 - Rural physicians, early in their practice, are selected to participate in rural health fellowship programs. This opportunity strengthens their ties to the medical school and provides a supportive network therefore reducing isolation of rural practice. In addition it allows them to explore clinical areas they might not have had time to explore while in residency.
 - These physicians are utilized as mentors for medical students and residents.

Assessment and Challenges

Assessment

- Pre- and Post- tests for Middle and High School Programs
- Summer Academy evaluation
- Matriculating Student Questionnaire (Association of American Medical Colleges)
- Focused medical student in-house survey regarding participation in pipeline events and activities

Challenges

- Tracking students after high school programs
- Tracking students after college



Resources

- Program Coordinator
- Funding (Rural Health Initiative and Medical School)
- Community partners

