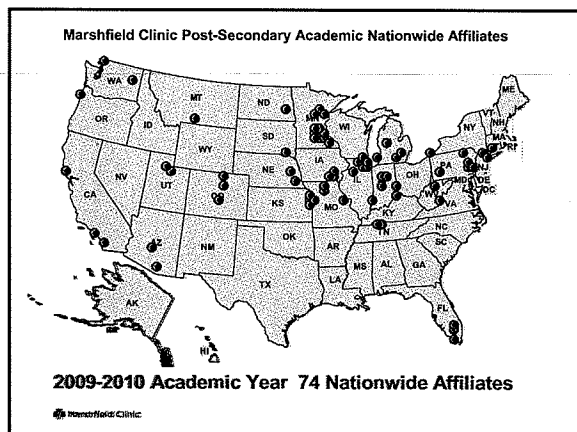
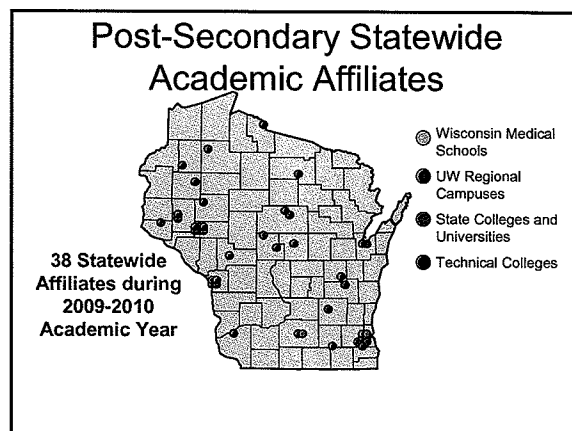
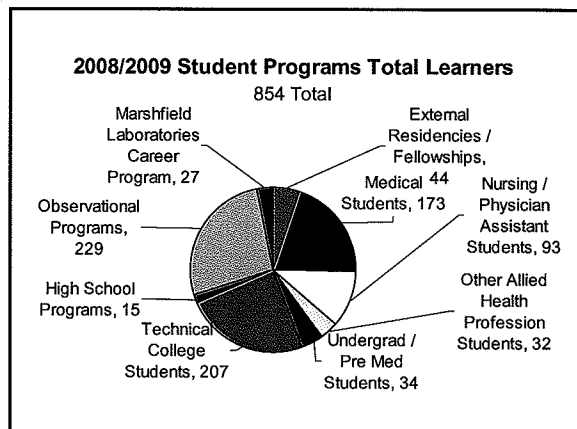


Student Education at Marshfield
Clinic

In 2009, Marshfield Clinic hosted:

- 1523 student rotations
- 854 students
- 71 different student categories

391 Marshfield Clinic Physicians recognized as teachers in 2008-2009 academic year (approximately half of our Physician Staff were actively enrolled as teachers of students and residents)



New Initiatives: WARM

- Wisconsin Academy for Rural Medicine
- Medical students from UW-Madison are spending their 3rd and 4th years of training entirely on the Marshfield Clinic campuses.

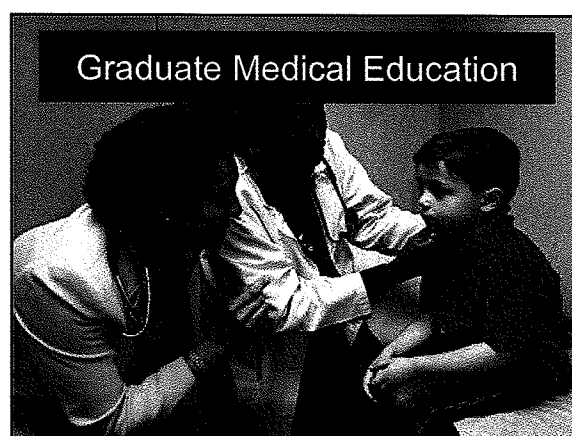
University of Wisconsin School of Medicine and Public Health

Results of First Rural Clinical Year

- "more attention from clinical staff and patients."
- Students perceive: "...an inside edge on obtaining a residency or job at these [rural] sites later on."
- "Practical experience in public health outreach"
- Rural practice longitudinal core days
- "Strengthened their already strong desire to be rural practitioners and reassured them that they were on the right path."

Suture lab. Rural Longitudinal Core Curriculum. WARM 2010

From 2010 Annual Evaluation Report for the Wisconsin Academy of Rural Medicine Program. Julie Fornsich, Ph.D., UWSMP Director of Evaluation



Marshfield Clinic/St Joseph's Hospital Residency and Fellowship Programs

ACGME Accredited

- Combined Medicine-
Pediatrics (8)*
- Dermatology (6)*
- General Surgery (10)*
- Internal Medicine (18)*
- Palliative Medicine (1)*
- Pediatrics (12)*
- Transitional Year (4)*

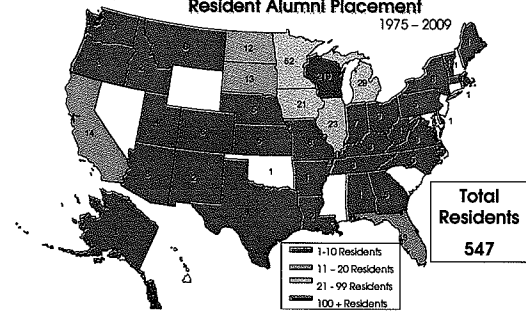
Non-ACGME Accredited

- Pharmacy (2)
- Non-Operative Spine (1)
- Post-Doctoral
Psychology (2)
- Non-Operative Pediatric
Orthopedics (1)

*54 of the above residents are sponsored by St. Joseph's Hospital. The other 11 residents are sponsored by Marshfield Clinic. There is joint governance of Graduate Medical Education

Marshfield Clinic/Saint Joseph's Hospital

Resident Alumni Placement 1975 - 2009



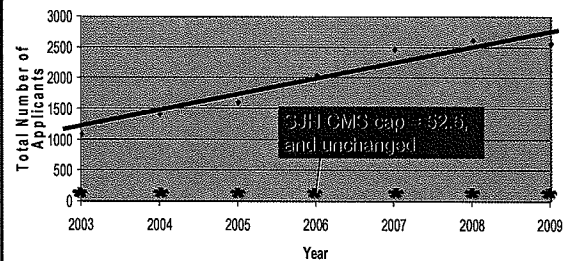
In the past 5 years, **OVER 1 in 4** graduates from Marshfield Clinic-St. Joseph's Hospital primary residency training programs **practices in rural Wisconsin**

Impact of Marshfield Graduates on the Rural and Underserved workforce (2004 - 2010):

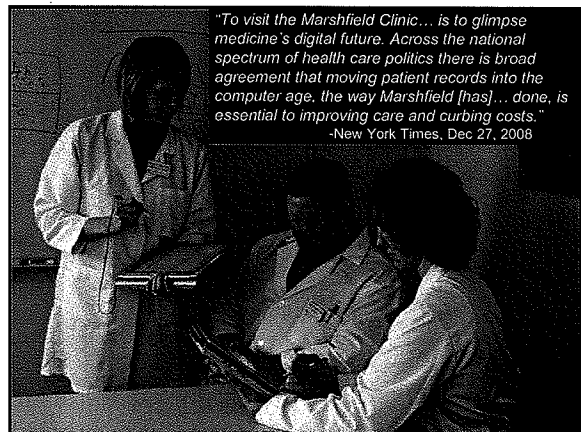
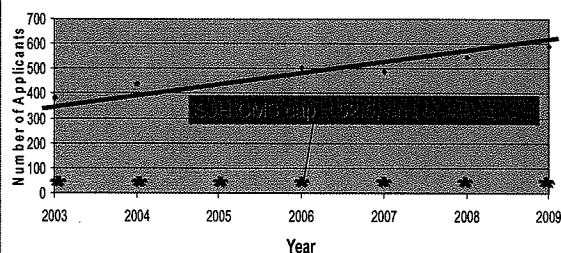
Percent of graduates in key residency programs currently working in any Health practice shortage area (HPSA) in US

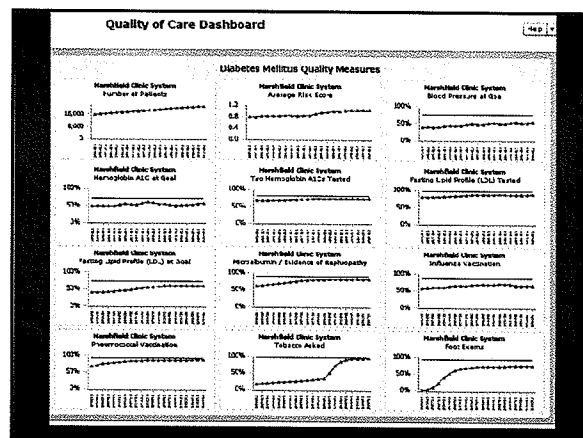
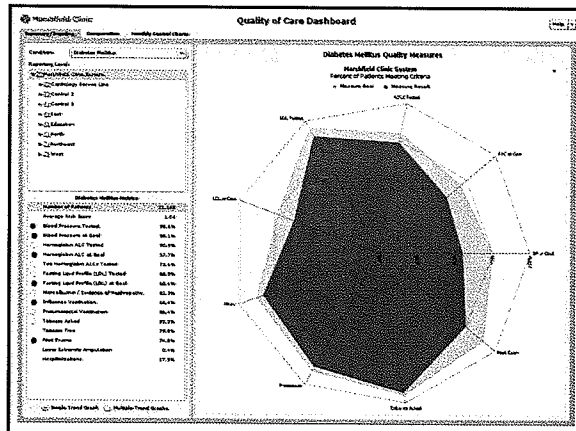
- Internal medicine = 88%
- Pediatrics = 87%
- Combined Medicine-Pediatrics = 56%
- General Surgery = 86%
- GROUP OVERALL % = 84%

Applicants to Marshfield Clinic-St. Joseph's Hospital Residency and Fellowship Training Programs



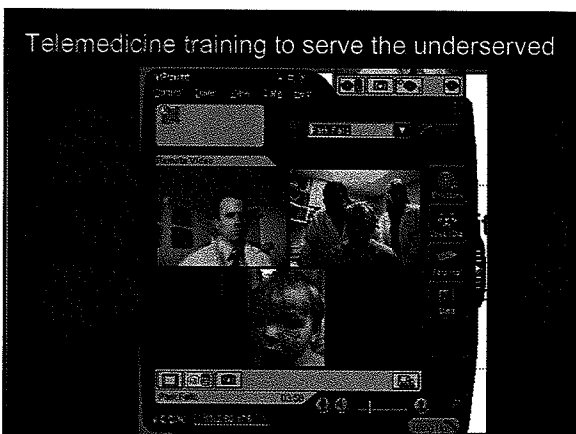
US Medical Graduates Applying to Marshfield Clinic-St Joseph's Hospital Residency Programs





"There is no payoff to technology alone — only in people using technology wisely. We have to restructure our medical culture. We have to promote a culture that believes in the evidence and is trained in analyzing the evidence."

-John Melski, MD
Medical Director, Clinical Informatics
Marshfield Clinic



Community-based Primary Care Residency Expansion Grants

- Example: 9-28-10 Marshfield Clinic-St Joseph's Hospital Internal Medicine and Pediatric Residency Programs were awarded HRSA Primary Care Expansion grants totaling \$3.8M to be dispersed over five years to expand primary care training and workforce in community based settings.
- The grant creates four new residency positions:
 - Two additional Internal Medicine Slots per year
 - 33% Increase
 - Two additional Pediatric Slots per year
 - 50% Increase

" [these grants will] provide much-needed support for increasing primary care capacity by expanding training programs for primary care providers, increasing access to patient care clinics, strengthening state-level workforce planning and providing training for personal home health care aides. All are vital to our future healthcare workforce."

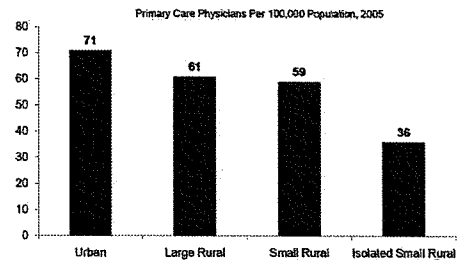
-Mary Wakefield, Ph.D., R.N.
HRSA Administrator



Recruitment: Marshfield Clinic

- 20 openings in Family Medicine system wide
 - 2 have been open since 2004
 - 11 open since 2006
 - 3 open since 2007
 - 2 open since 2008
 - 2 open since 2009
- Average time to fill, all specialties
 - 6 to 9 months, "urban" clinic locations
 - Significantly longer in rural locations

Rural Communities Face the Greatest Shortages of Primary Care Physicians

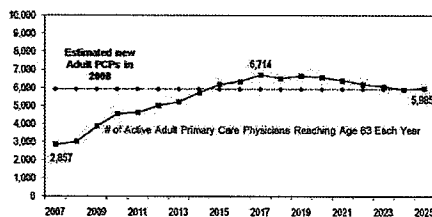


Source: Rural Health Research Center at the University of Washington Policy Brief, The Crisis in Rural Primary Care, April 2009

AAMC

Retiring PCPs will exceed incoming

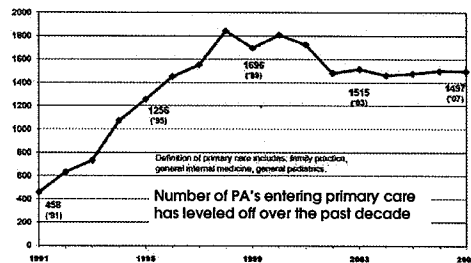
of Adult PC Physicians Retiring is Likely to Exceed Number Entering in the Next Few Years



Note: Adult primary care excludes family medicine and internal medicine completing training in 2008.
Source: JGIM 2008; 23(4):202-203
AAPA Physician Workforce (January 2008)

AAMC

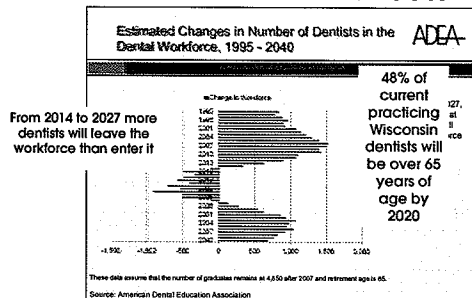
Allied Providers Past 5 years But May Rise as Grads Increase



Source: (1) National Commission on Certification of Physician Assistants, April 2008 (for data on number of newly certified PAs), (2) AAPA Census Surveys of Members 1991-1996, and the AAPA PA Census Surveys 1997-2008 (for data on PA specialty distribution trends).

AAMC

Same is true for dentists



Vision for the Future

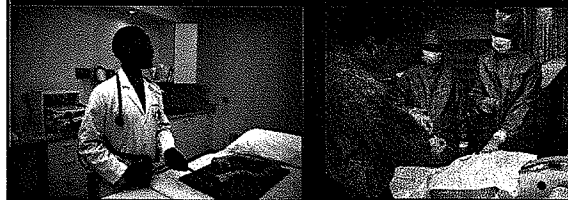
- Team-based integrated care
- Physician training shifts to data assessment and management, population health, dashboards, electronic decision support, quality improvement and team management
- Growth of PA, NP, and MA workforce and scope with greater interaction with physicians in training
- Quality-based education grows substantially
- Telemedicine training models
- Simulation education requirements
- Comparative effectiveness research and guidelines beyond chronic disease management

Partnership with Family Health Center of Marshfield, Inc

- The Family Health Center of Marshfield Inc is a Federally Qualified Community Health Center. Community health centers are designed to provide health care services in medically underserved areas.
- Family Health Center has 25 locations [7 of which are dental] within the Marshfield Clinic system of care.
- Marshfield Clinic providers partner with the Family Health Center to provide care to its targeted populations.
- Under the Prevention and Public Health Fund of the Affordable Care Act community health centers will increase their role as academic training centers.

Medical Simulation

- In 2009, the Division of Education conducted 375 courses for over 2000 participants using the Marshfield Clinic Simulation Lab



Dental Residency Expansion

- According to the March 31, 2010 WI Department of Health Services Oral Health Education Study an increase of 45 dental residency slots is needed in the State [distributed between Marshfield Clinic and Marquette]
- Presently Section 447 of the State Licensure Statute is a barrier to such an increase. In order to increase dental residencies, Marshfield clinic encourages language revisions that allow residents from accredited hospital programs regardless of their US location and community health programs be exempt from licensure, similar to that offered to Wisconsin hospitals.
- Only four* Wisconsin hospitals offer advanced dental education programs [Children's Hospital of WI, Gundersen Lutheran, Meriter, and the VA] *ADEA 2006-07 Survey of Advanced Dental Education, Jan 2008, pg 77

Requests from Marshfield Clinic

- Keep us in mind to assist in meeting needs of the State and being good stewards; not an afterthought
 - Wisconsin Act 190
- Residency Funding Alternatives to outdated CMS training caps (21st century should be about alternatives to just hospital-based funding)
- Stimulation for Residency training in rural environment
- Value accountable care and population health training
- Strength in Educational Partnerships within the State (WARM, ICTR, GME, Dental)