

Rural Medical Education

University of Wisconsin
School of Medicine and Public Health

Wisconsin Rural Health Development Council
January 12, 2012

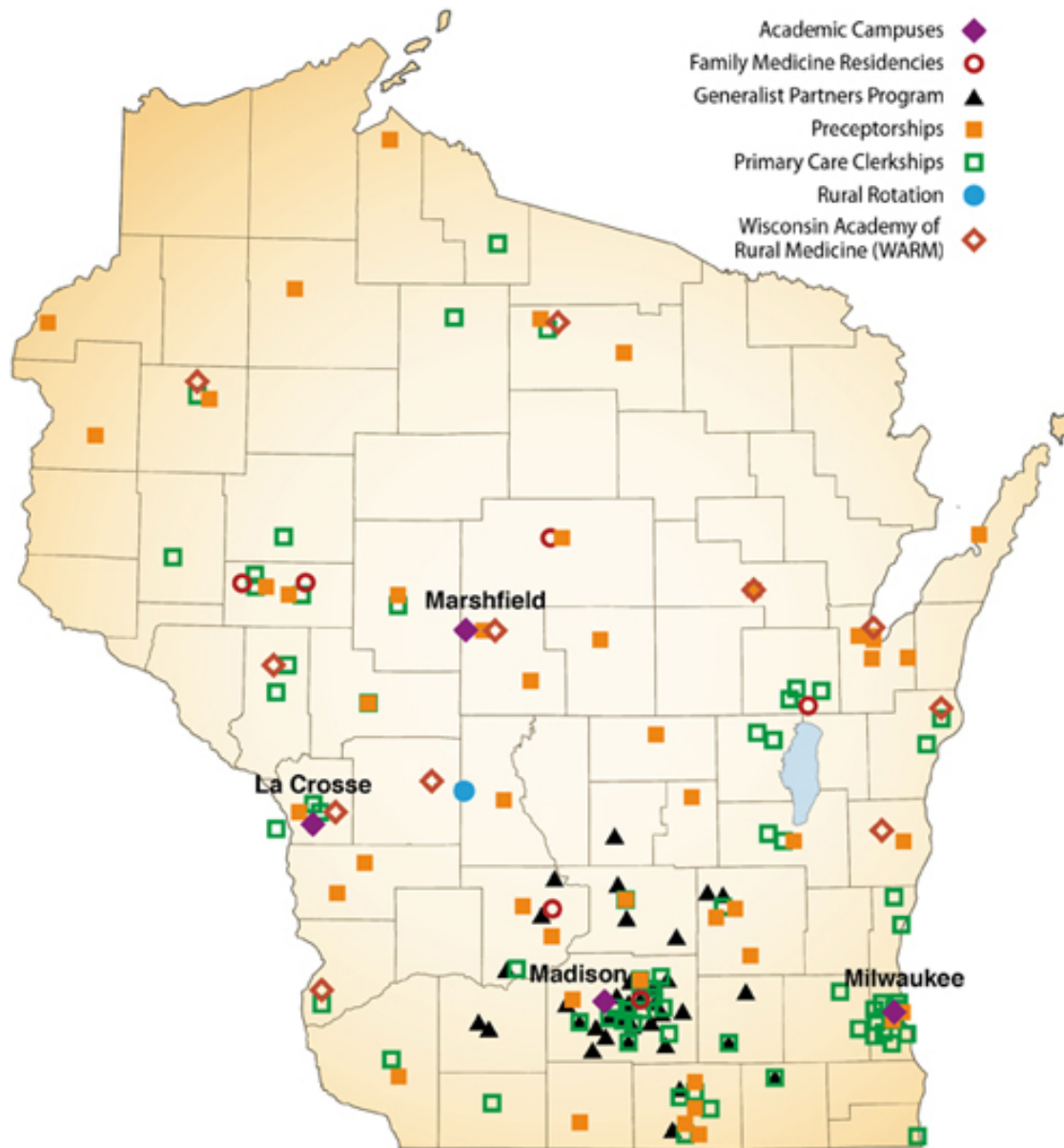


University of Wisconsin
SCHOOL OF MEDICINE
AND PUBLIC HEALTH

SMPH Continuum of Rural Educational Programs

- Premedical
 - AHEC
 - RUSCH
- Medical
 - Third year required Primary Care Clerkship (8 weeks)
 - Fourth year required Preceptorship (6 weeks)
 - Elective rural Family Medicine rotations (4 weeks)
 - Longitudinal Rural Rotation (5 months)
 - Wisconsin Academy for Rural Medicine (WARM)
- GME
 - Department of Family Medicine State-wide Residencies
 - Baraboo Rural Training Track

UW SMPH State-wide Campus

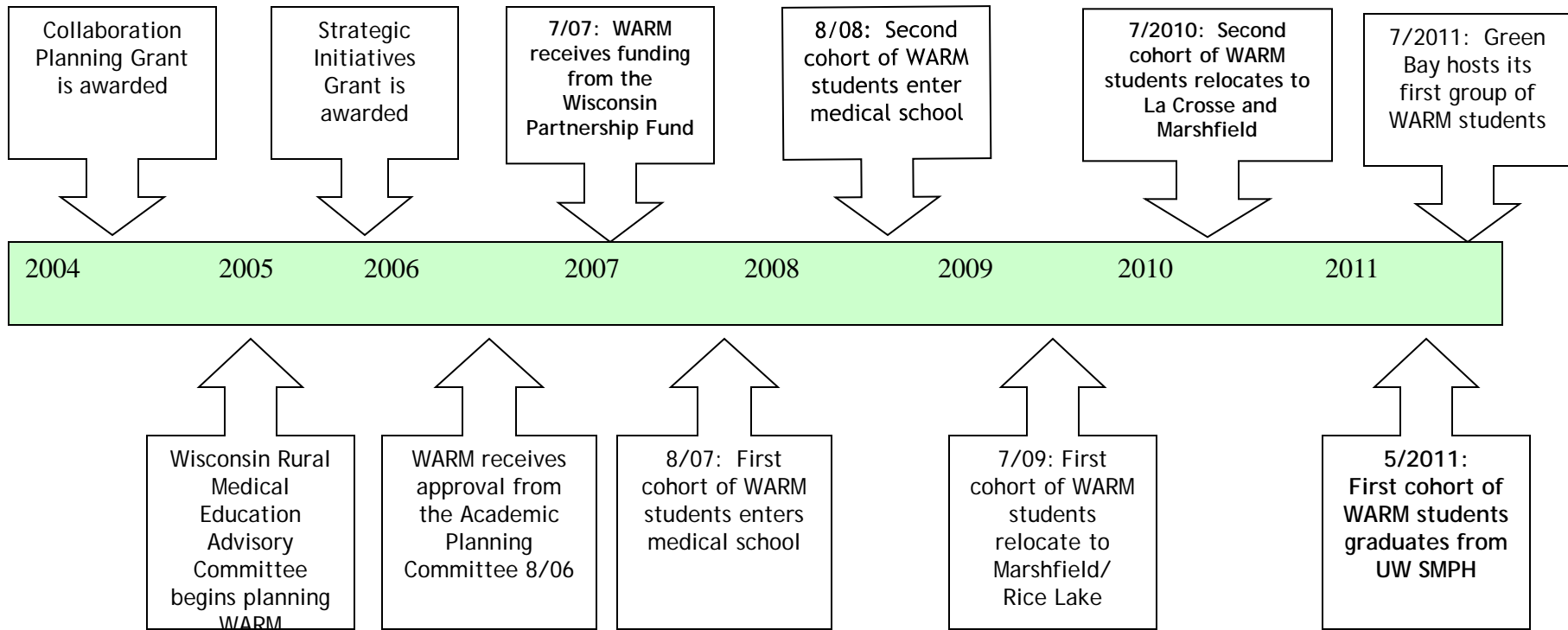


WARM

The Wisconsin Academy for Rural Medicine (WARM) is a program at the University of Wisconsin Medical School dedicated to improving the supply of physicians in rural Wisconsin and improving the health of rural Wisconsin communities.

This will be accomplished through a comprehensive rural medical education program combining a focused admissions process with an educational program designed to prepare students for rural practice and providing extensive clinical training in rural Wisconsin settings

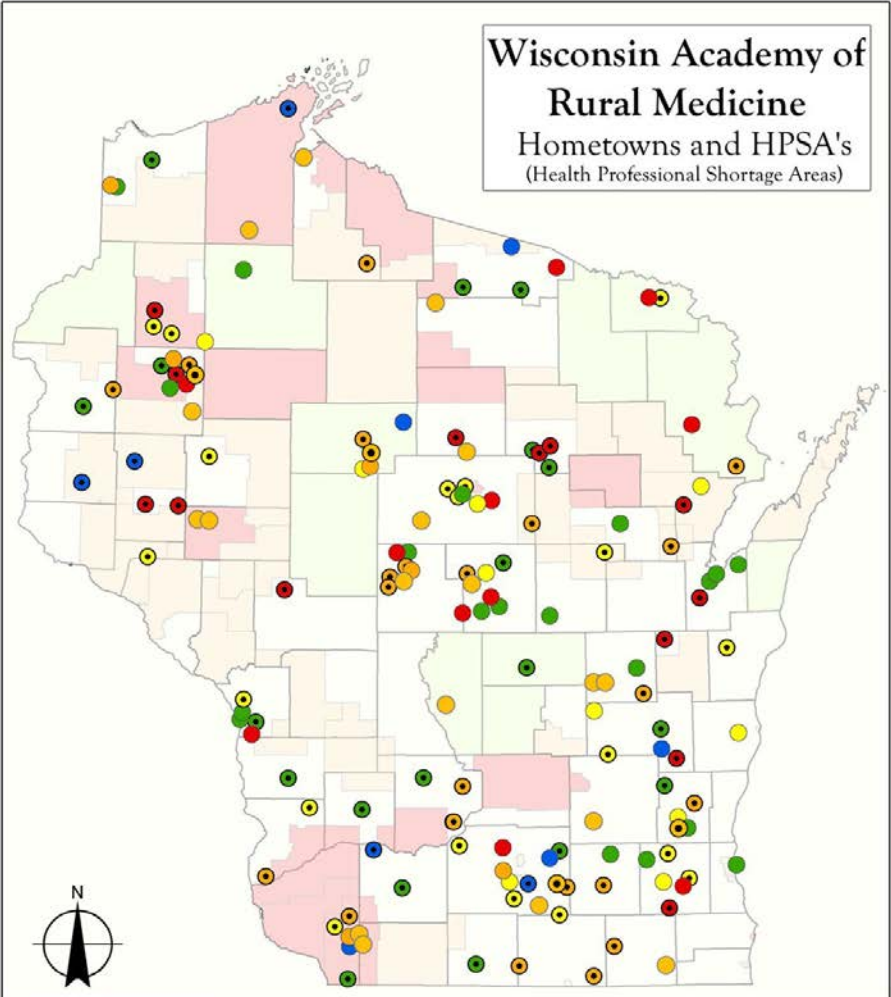
Wisconsin Academy for Rural Medicine Timeline



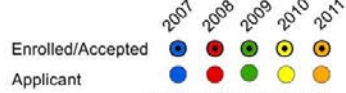
WARM Admissions Process

- Targeted admissions process to identify applicants who are likely to practice rural medicine
 - Rural background/connectedness
 - Community engagement
 - Specialty orientation
 - Academic success
- First full class of 25 began on August 16, 2011





Student Status*



*Current through March 2011

Type of HPSA



This map illustrates the general location of shortage areas eligible for state loan repayment as of March 2011; Please see the WI Primary Care Office web site (<http://dhs.wisconsin.gov/health/primarycare/ShortageDesignation.htm>) for more detailed information on shortage areas.

WARM Admissions Data

	2007	2008	2009	2010	2011	2012
Applications	12	27	40	40	55	61
Interviews	12	27	40	29	48	51
Offers	6	14	21	21	26	
Admits	5	13	18	21	23	
Ave GPA	3.79	3.65	3.62	3.65	3.57	
Ave MCAT	26	30	28	28	29	

2011 WARM Evaluation

Year-end GPAs, Step 1 Board scores, clerkship subject exam scores and YEPSA scores for WARM students are similar to those of typical UWSMPH students.

In short, in spite of the some incoming WARM students' lower MCAT scores, **WARM students' performance in medical school has essentially equaled that of their peers, and their performance on written tests and clinical exams has been neither helped nor harmed by their participation in the WARM program.**

UW SMPH Matriculating Student Questionnaire

Percentage of students indicating their plans to work in various size communities after their medical education.

Year	10K to 50K (not a suburb)	Less than 10K	Rural/ unincorp	Total
2006	5.2	2.6	3.5	11.3
2007	3.0	2.0	8.1	13.1
2008	2.8	5.6	5.6	14.0
2009	4.6	9.2	2.6	16.4
2010	5.7	7.0	8.9	21.6
2011	7.8	8.5	2.6	18.9

WARM Curriculum

Yrs. 1 and 2

- GPP assignments in rural clinics
 - Mineral Point, Belleville, Spring Green, etc.
- Rural Health Interest Group
- Overview of Rural Health Elective
- Summer Externships



WARM Evaluation

- **Shadowing or working alongside a rural physician—as most WARM students have done in the GPP or summer externships and all will be doing in 3rd and 4th year clerkships and preceptorships—was the most influential rural health experience these students experienced.**
- **Not surprisingly given the focus of the program, WARM students enter the program with a very high level of interest in being physicians in rural underserved areas, and at the end of the 1st and 2nd year, that interest level remains very high for most students. In short, the impact of the past year on WARM students' confidence in their rural health skills is about twice as big as the impact on their desire to work in rural areas.**

Wisconsin Academy *for Rural Medicine* (WARM)



Years three and four—

- Live in assigned regional/rural learning communities,
- Fulfill required core clerkships,
- Take electives
- Longitudinal Rural Curriculum



Student Comments

- “I saw that medicine is a team approach, and you get advice from other people and...you're working with medical assistants, PA's, and everyone is involved in the patient care as an active team member. I think that is the biggest thing that I've taken away...[In rural practices] there's only a few of us, and so we have to be a strong team in order to get a good level of care.”

Student Comments - Challenges

- Travel burden
- Lack of interaction with traditional students
- Rural faculty not accustomed to teaching and SMPH policies and grading
- Some course specific challenges

From WARM Evaluation:

“There were also some drawbacks to being the only student on a rotation, although both WARM students felt the benefits outweighed the drawbacks.”

Student Progression Issues

- 4 WARM students did not pass USMLE Part 1 on the first attempt
- 2 WARM students have been excused from the programs regional/rural requirements during the 3rd and 4th years
- 3 WARM students have been reconsidering their commitment to rural practice
- 2 WARM students have withdrawn from medical school
- 2 traditional students have transferred into WARM

Based on 57 students

Specialty Interests

	2007 (5)	2008 (13)	2009 (18)	2010 (21)
Fam Med FM/Psych	1	7	11 1	12
Int Med Med/Peds		1		1
Peds		1	1	1
Surg	1		1	
Ortho		1		1
Ob Gyn				1
ER		1	3	2
Undecided/ other		2	1	3

WARM Student Awards

Third- and Fourth-Year Scholarship and Awards 2010-2011

- Carla Bouwkamp: Lora L. Marshall Scholarship
- Michelle Clark-Forsting: Robert F. and Irma K. Korbitz Endowed Scholarship and the Ted Lefco Rural Medicine Scholarship
- Gena Cooper: Dr. H. James Sallach Scholarship and the Dr. Paul and Alice Bishop Memorial Award
- Henry Clay Dean: Compassion in Action National Community Health Award; Charles Russell Bardeen, Founding Dean, Fourth Year Student Award
- Nathan Vakharia: Founders Award

WARM Student Awards

First- and Second-Year Scholarship and Awards 2010-2011

- Jeffrey Clark: Dr. Anthony J. Kisley Scholarship
- Karyn Laursen: Dr. Anthony J. Kisley Scholarship
- Michael Otte: Lora L. Marshall Scholarship
- Trista Stankowski-Drengler: Student Leadership and Service Book Award
- Jasmine Wiley: Student Leadership and Service Book Award
- Gabriel Berendes: Peter G. Hanson Scholarship
- David Rebedew: Student Leadership and Service Book Award
- Ian Stormont: Molly and Louis Hinshaw Medical School Scholarship;
McGovern-Tracy Scholars Award; Wisconsin Medical Alumni Association
Student Scholarship
- Joshua Taylor: Student Leadership and Service Book Award

Scholarships

- Wisconsin Medical Society
 - Robert T. Cooney, MD Scholarship
- Paul and Alice Bishop Scholarship
 - Dr. Bishop was a primary care physician in Louisiana and Sauk Prairie who loved practicing medicine
- Ted Lefco Rural Scholarship
 - 1941 graduate of UW-Madison whose life work was as a biochemist
- Wisconsin Rural Opportunities Foundation
 - For fourth Year Medical students enrolled in the WARM Program

Next Steps

- WARM Strategic Plan process – initiated fall 2011
- Address course specific issues and continue faculty development
- Enhance rural community engagement
- Help lead the clinical public health curricular transformation
- Team care, PCMH, Rural research



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