The Oklahoma State University Center for Rural Health uniquely impacts osteopathic physicians from the time they are students through the time they are practicing in rural communities by:

- Training osteopathic students
- Providing support services to osteopathic physicians and their rural practices
- Strengthening the broader health care delivery systems in rural communities where they practice
OSU Trained Physicians as a Proportion of All Physicians

![Map showing the proportion of OSU trained physicians in different counties.]

**OSU Trained Physicians**
(As a % of All Physicians)

- 50% - 100%
- 25% - 49%
- 11% - 24%
- 0% - 10%

*Includes graduates of OSU - COM and/or OSU - OP II residency*
† Both D.O. and M.D.

Data Source: U.S. Census Bureau (2000); OOA (2005); Oklahoma State Board of Medical Licensure and Supervision (2005)
(c) 2006 Oklahoma State University
Mission

“The Oklahoma State University Center for Rural Health supports the mission of Oklahoma State University - Center for Health Sciences by seeking to improve health care in Oklahoma through osteopathic student education and residency training, research, program applications, advocacy and alliances with others who share in our goals.”
Tour of Rural Oklahoma's D.O.s and Hospitals
2005 - 2006
Presentation Overview

- Staff
- Financials
- Rural Medical Education
- Grant Funded Activities
- Advocacy
- Research
Telemedicine & Distance Learning Center Staff

James Hess, Ed.D.

Michael Young  Emily Lim  Eric Scholl  Jon Barnaby  Debbie Martin  Lori Partin
Fiscal Year 2005-06

REVENUE† ($2.7 Million)

STATE
$546,791

20%

80%

FEDERAL
$2,208,344

EXPENSES‡ ($2.7 Million)

Rural Hospital Support & Community Education
$1,056,230

38%

Telemecine Equipment
$565,059

21%

Salaries & Benefits
$954,678

35%

Operating Expenses
$179,168

7%

† Does not include collaborative expenditure of tobacco tax funds with the OSU Telemedicine & Distance Learning Center.

‡ Includes projected expenses for the remainder of the fiscal year.
Rural Medical Education
Rural Community Rotations – OMS III
Proposed

- Current Hub Site
- Current Preceptor Location
- Within 30-miles of Current Hub Site
- Within 50-miles of Current Hub Site

- Proposed Hub Site
- Within 30-miles of Proposed Hub Site
- Within 50-miles of Proposed Hub Site

(c) 2016 Oklahoma State University

Data Source: U.S. Census Bureau (2000); OSU-CHS Department of Family Medicine (2006)
June 19, 2006
Rural Medical Education Footprint – OMS III & OMS IV Proposed

Current Hub Site (Small & Rural Community Rot.)
Current Preceptor Location (Small & Rural Community Rot.)
Within 30-miles of Current Hub Site (Small & Rural Community Rot.)
Within 40-miles of Current Hub Site (Small Community Rot.)
Within 50-miles of Current Hub Site (Rural Community Rot.)
Current Community Hospital Rotation Site
Current Emergency Medicine Rotation Site

Proposed Hub Site (Rural Community Rot.)
Within 30-miles of Proposed Hub Site (Rural Community Rot.)
Within 50-miles of Proposed Hub Site (Rural Community Rot.)
Proposed Community Hospital Rotation Site
Proposed Emergency Medicine Rotation Site

Data Source: U.S. Census Bureau (2000); OSU-CHS Department of Family Medicine (2006)
(c) 2006 Oklahoma State University
Enhance Rural Health Curriculum

- Continuous quality assessment of preceptors, sites, and students
- Utilize the Rural Health Professorship
- Use interactive distance learning
Grant Funded Activities
Grant Funded Activities

- State Office of Rural Health (SORH)
- Small Hospital Improvement Program (SHIP)
- Medicare Rural Hospital Flexibility Program (FLEX)
Footprint of Support Services

- Critical Access Hospital
- SHIP Hospital
- Communities with CHEP Programs Only
- Metropolitan Statistical Area
- Medically Underserved (HPSA and/or MUA/P)

Data Source: U.S. Census Bureau (2000); Oklahoma State Office of Rural Health (February 2006) (c) 2006 Oklahoma State University

Map Produced by OSU Center for Rural Health
OSU Center for Health Sciences
Tulsa, Oklahoma
June 19, 2006
Grant Funded Activities

- Medicare Rural Hospital Flexibility Program (FLEX)
- Small Hospital Improvement Program (SHIP)
- State Office of Rural Health (SORH)
- Collaborative Efforts
  - Rural Health Network Development Grant
  - Department of Family Medicine - Division of Research
  - AHEC Bioterrorism
- Telemedicine Grants
Telemedicine & Distance Learning
Telemedicine & Distance Learning Grants

- Office for the Advancement of Telehealth (OAT)
- Health Care and Other Facilities Program (HCOF)
- Tobacco Tax Funding for Rural Health
Telemedicine & Distance Learning

- The Center collaborates with the OSU Telemedicine & Distance Learning Center to support student education, residency training, hospitals, and physicians.
- Since its inception in 2001, the Center for Rural Health has received approximately $1.4 million in federal funds to pay for equipment, software, training, and staff for the telemedicine and distance learning sites that comprise the OSU Telemedicine Network.
- Support the integration of the Telemedicine Program into a broader OSU-CHS Regional Health Information Organization (RHIO).
Telemedicine & Distance Learning Network
Proposed

- Current Telemedicine Site
- Current Distance Learning Site
- Current Telemedicine & Distance Learning Site
- Proposed Telemedicine Site
- Proposed Distance Learning Site
- Proposed Telemedicine & Distance Learning Site

Data Source: U.S. Census Bureau (2000); OSU Telemedicine Center (February 2006)
(c) 2006 Oklahoma State University
Telemedicine & Distance Learning Grants

- Office for the Advancement of Telehealth (OAT)
- Health Care and Other Facilities Program (HCOF)
- Tobacco Tax Funding for Rural Health
- USDA Distance Learning & Telemedicine Program (Pending)
Telemedicine & Distance Learning Grants

- Office for the Advancement of Telehealth (OAT)
- Health Care and Other Facilities Program (HCOF)
- Tobacco Tax Funding for Rural Health
- USDA Distance Learning & Telemedicine Program (Pending)
- OSU Mobile Medical Vehicle (In Progress)
OSU Mobile Medical Vehicle
Advocacy
Advocacy

- Hospital Replacement
- Rural Ambulance Mileage
- Rural Hospital Designation
- Educational Efforts
- Reimbursement Rate Increases
  - Physicians
  - Hospitals
Advocacy Agenda

- Legislative
  - State of the State's Rural Health
  - Rural Health Agenda
  - Rural Caucus
- Evaluate/Define the appropriate role of FQHCs
- Rural Health Data Clearinghouse
- Website
  - Listserve
Research
Research

State
- Quality, Safety, and Outcomes
- Oklahoma’s leader in applied geographic information systems (GIS) research for rural health
- Provide socioeconomic, demographic, and health care data for and about rural communities

National
- Economic impact of telemedicine
- Collaborative research with federally funded rural health research centers

Collaborate on research efforts with stakeholders and partners
# Timeline

<table>
<thead>
<tr>
<th>2006</th>
<th>2007</th>
<th>2008</th>
<th>2009</th>
<th>2010</th>
<th>2011</th>
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<tbody>
<tr>
<td><strong>Rural Medical Education</strong></td>
<td><strong>Rural Medical Education</strong></td>
<td><strong>Rural Medical Education</strong></td>
<td><strong>Rural Medical Education</strong></td>
<td><strong>Rural Medical Education</strong></td>
<td><strong>Telemedicine</strong></td>
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<tr>
<td>- New ER Didactics Implemented</td>
<td>- Annual Report to Rank Sites</td>
<td>- First Rural Health Center’s Preceptor</td>
<td>- 4 New FMB satellites added</td>
<td>- New FM Residency</td>
<td>- 7 new telemedicine sites</td>
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<td>- New pay structure for FMB Coordinators</td>
<td>- Purchase Interactive laptop computers</td>
<td>Award</td>
<td>- New ER site added</td>
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<tr>
<td>- First Article to Rural Health Newsletter</td>
<td>- for use at rural sites</td>
<td>- First Rural Health Center’s Student</td>
<td>- New FMB Hub Site</td>
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<tr>
<td>- 4 New Community Hospitals Added</td>
<td>- Practice Interest Survey Report</td>
<td>Award</td>
<td>- 5 new FMB satellites added</td>
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<tr>
<td>- New FMB Hub Site added</td>
<td>- Revised FMC Didactics</td>
<td>- 15 Community Hospitals can double as</td>
<td>- New ER site added</td>
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<tr>
<td>- 2 new satellite added</td>
<td>- 2 New FMB Hub Sites added</td>
<td>Hubs</td>
<td>- New FMB Hub Site</td>
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<tr>
<td>- 3 new FMC sites added</td>
<td>- 5 new FMB satellites added</td>
<td></td>
<td>- 4 FMB satellites added</td>
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<tr>
<td>- 10 New preceptors added</td>
<td>- 4 New Community Hospitals added</td>
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<td>- 2 New Community Hospitals added</td>
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<tr>
<td>- All current interested preceptors are</td>
<td>- New ER site added</td>
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<td>- 4 FMB satellites added</td>
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<td>enrolled in the OSU Medicaid Enhanced</td>
<td>- New FMB Hub Site</td>
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<td>- 8 new preceptors added</td>
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<tr>
<td>Reimbursement Program</td>
<td>- 3 new FMC sites added</td>
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<td>- All Community Hospitals can</td>
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<tr>
<td></td>
<td>- 15 new preceptors added</td>
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<td>double as Hubs</td>
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<td><strong>Telemedicine</strong></td>
<td><strong>Telemedicine</strong></td>
<td><strong>Telemedicine</strong></td>
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<td>- 2 new telemedicine sites</td>
<td>- 7 new telemedicine sites</td>
<td>- 7 new telemedicine sites</td>
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<td><strong>Support Services</strong></td>
<td><strong>Support Services</strong></td>
<td><strong>Support Services</strong></td>
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<td>- Offer training to hospital board</td>
<td>- Develop mentorship program for</td>
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<td>members and hospital administrators</td>
<td>hospital administrators and board</td>
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<td>- Monthly contribution to Oklahoma D.O.</td>
<td>members</td>
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<td><strong>Stakeholders/Partners</strong></td>
<td><strong>Publications/Presentations</strong></td>
<td><strong>Telemedicine</strong></td>
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<tr>
<td>- First meeting with stakeholders and</td>
<td>- Publish State of the States’ Rural Health</td>
<td>- 7 new telemedicine sites</td>
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<td>partners in July</td>
<td>on an annual basis</td>
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<tr>
<td><strong>Publications/Presentations</strong></td>
<td><strong>Operational Opportunities</strong></td>
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<td>- Publish State of the States’ Rural Health</td>
<td>- Seek appropriations from the State of</td>
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<tr>
<td></td>
<td>Oklahoma</td>
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