Model of Primary Care Education

Oklahoma State University
Center for Rural Health

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May 4th, 2007
What is the Current Model?

- **1st and 2nd year in Tulsa**
- **3rd year required rotations are mostly in Tulsa**
  - Core Rotations (4-months) in Tulsa or Oklahoma City
    - Includes: Internal Medicine I and II, OB/GYN, Surgery
  - Primary Care Clinic in Tulsa
  - OMM Rotations in Tulsa
  - Pediatrics mostly in Tulsa
  - Psychiatry mostly in Tulsa (some in Muskogee)
  - Center for Rural Health’s Rotations
    - Community Clinic, small clinics within 40-miles of Tulsa
    - Rural Clinic, clinics within approximately 50-miles of rural hubs
What is the Current Model?

- **4th year required rotations**
  - **Center for Rural Health’s Rotations**
    - Community Hospital I and II
    - Emergency Medicine mostly in Tulsa and Oklahoma City
- **Other rotations (3rd and 4th years)**
  - 2 Primary Care Electives
  - 5 to 6 Electives
  - 1 or 2 Vacation months
Community Clinic Rotation

- One-month required rotation
- 3rd year medical students
- Clinics located within a 40-mile radius of Tulsa
- Weekly didactic lectures in Tulsa cover:
  - Rural health topics
  - Diabetic Treatment Standards
  - Telemedicine and distance learning workshop
  - Presentation skills workshop
  - Evidence-based medicine and the critical appraisal
  - Curriculum vita workshop
  - Interactive case presentation using distance learning techniques and evidence-based medicine (emphasis on presentation skills and PowerPoint quality)
Community Clinic Rotation Sites
March 2007

Community Clinic Rotation
- Hubsites
- Preceptor sites

Data Sources: U.S. Census Bureau (2000); Oklahoma State University Center for Rural Health (2007)
Rural Clinic Rotation

- One-month required rotation
- 3rd year medical students
- Clinics located within approximately 50-mile radius of each hubsite
- Students live in the rural community

Orientations
- Group orientation at Center for Rural Health – first weekday of the month.
- Site orientation with preceptor
- AHEC orientation – discuss community resources for Case Presentation, the AHEC Kids in Health Career event, and other community activities

- Weekly didactic sessions at the hubsite
- Monthly interactive residency videoconference
- Assignments include interactive case presentation (emphasis on medical case presentation and use of community resources)
Community Hospital Rotation

- Two, one-month required rotations
- 4th year medical students
- Live in or close to the hospital
- Use distance learning for assignments
- Current sites include
  - Ada, Ardmore, Broken Arrow, Claremore, Drumright, Durant, Enid, Guymon, Lawton, McAlester, Miami, Okmulgee, Pauls Valley, Poteau, Sallisaw, Sapulpa, Stillwater, Talihina, Tahlequah, and Woodward
- Proposed future sites include
  - Altus, Chickasha, Elk City, Idabel, and Weatherford
Emergency Medicine Rotation

- One-month required rotation
- 4th year medical students
- Live in or close to the hospital
- Use distance learning for assignments
- Current sites include
  - Tulsa, Oklahoma City, Enid, and Lawton
- Proposed future sites include
  - Durant and Tahlequah
Community Hospital & Emergency Medicine Rotation Sites
Current & Proposed

Map Produced by
OSU Center for Rural Health
OSU Center for Health Sciences
Tulsa, Oklahoma
January 30, 2006
http://ruralhealth.okstate.edu

Data Sources: U.S. Census Bureau (2000); Oklahoma State University Center for Rural Health (2007) (c) 2007 Oklahoma State University
Students on Center for Rural Health Rotations

- Should contact the physician two weeks before the start of a new rotation

- That miss an event or a work day
  - Must get the preceptors approval
    - Preceptor may require student to make-up time missed
  - Must notify Center for Rural Health after three absences
    - Center for Rural Health may require student to make-up time missed
  - Must notify Center for Rural Health if a school assignment will be missed
    - Center for Rural Health may require student to make-up work missed
Students on Center for Rural Health Rotations

- Should attend events outside of the office when appropriate
  - Community meetings, hospital rounds, staff meetings, business meetings, conferences, school athletic events, nursing home visits, etc.
- Read syllabus and complete all assignments
- Complete an online Site Evaluation at the end of the month
- Verify Center for Rural Health office has all paperwork before the 7th of the following month
All Center for Rural Health Preceptors

- Talk to the student at least one week before the rotation starts to schedule the time and place for the site orientation

- Conduct Site Orientation that may include
  - Welcoming the student to the area
  - Introducing them to office staff
  - Discussing office policies and preceptor preferences
  - Touring the local hospital
  - Planning learning objectives with the student

- Invite students to events outside of the office when appropriate.

- Complete an online Student Performance Evaluation at the end of the month
Rural Clinic Didactic Coordinators

Didactic Coordinators can request which months they prefer to have students
  • Rural Clinic Rotations are usually not scheduled in December and July

Didactic Coordinators are responsible for weekly didactics
  • Schedule 2 hour didactics each week for students in the hubsite area
    - Online PowerPoints are available to assist in presentations
    - Didactic Coordinator can assign another professional to present a lecture in their area of expertise if the topic is appropriate
    - Center for Rural Health may request specific topics or lectures be given
    - Lectures must be relevant to current rural health issues

Complete an online evaluation for student’s didactic participation
Rural Clinic Didactic Coordinators

Data Sources: U.S. Census Bureau (2000); Oklahoma State University Center for Rural Health (2007)
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http://ruralhealth.okstate.edu
Community Hospital Supervising Physicians

- Talk to the student at least a week before the rotation starts to schedule the time and place for the site orientation
- Orient the student to the hospital
  - Insure the student has housing information
  - Meet the student on first day
  - Can use hospital staff to assist you with the orientation
  - First person to contact for any problems
- Supervise the Community Hospital rotation
- Have a written plan for providing a variety of hospital experiences
  - Should include specialties available such as radiology, cardiology, ob/gyn, surgery, or orthopedics
- Use feedback from the specialty physicians to evaluate the student at the end of each month
Emergency Medicine Supervising Physicians

- Talk to the student at least a week before the rotation starts to schedule the time and place for the site orientation
- Orient the student to the Emergency Room
  - Insure the student has housing information
  - Meet the student on first day
  - Can use hospital staff to assist you with the orientation
  - Assist student with necessary paperwork that the hospital requires: ER badge, meal ticket, etc.
  - Tour the hospital and introduce student to the physicians, residents, other students, staff, etc.
- Prepare a schedule
- If additional readings/assignments/syllabus are used, submit copy to Center for Rural Health
- Supervise the Emergency Medicine rotation
  - Provide contacts in case of problems or questions
- Use feedback from others, if needed to evaluate the student at the end of each month
Emergency Medicine Supervising Physicians

- C. Michael Ogle, D.O. (Enid)
- Michelle Fowler, D.O. (Tulsa)
- Martin McBee, D.O. (Oklahoma City)
- Jeannie Owens, D.O. (Lawton)

Data Sources: U.S. Census Bureau (2000); Oklahoma State University Center for Rural Health (2007)  
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Map Produced by  
OSU Center for Rural Health  
OSU Center for Health Sciences  
Tulsa, Oklahoma  
April 20, 2007  
http://ruralhealth.okstate.edu
Distance Learning

- Polycom Equipment for Interactive Videoconferences
  - Usually located in the local hospital, to be used for the Videoconference and the Case Presentations
  - Purchase and initial installation usually through OSU Telemedicine and Center for Rural Health
  - Maintenance is through hospital

- Laptop Computers checked out by students
  - Access the Internet to connect to OSU-COM
  - Used by remote sites for interactive participation of the 2nd and 3rd didactics and the Videoconference
  - Increases safety by reducing travel
  - Saves time and expense
Mobile Telemedicine Clinic
Housing for Rural Rotations

- Housing is essential to
  - Welcome the student to the area and keep them in the area during the rotation
  - Increase the recruiting potential for the area
  - Broaden the students’ training options across the state
  - Expand OSU’s presence into rural communities
  - Increase safety by decreasing travel time for students from each site to the associated hubsites

- Housing should provide
  - A safe place with outside lights and locks on the doors
  - A clean place for students to prepare evening meals and sleep
  - A quiet place to rest or work on assignments
Area Health Education Center Assistance

- **AHEC may assist with**
  - Locating and scheduling housing
  - Orientating students to the area
  - Identifying community resources in the area

- **Clinical Coordinator**
  - Toni Hart, OSU Center for Rural Health Office, 918-584-4368
  - Jenny Breeden, SW Area, Lawton Office, 580-581-2792
  - Dianne Bostic, NE Area, Tulsa Office, 918-595-8403
  - Allison Haney, NW Area, Enid Office, 580-213-3166
  - Katherine Koci, SE Area, Poteau Office, 918-647-8611
Preceptor Benefits

- Adjunct faculty appointment
- Continuing Medical Education credits
- Faculty development and education opportunities
- Use of the online OSU-COM Medical Library resources (including MDConsult and STATref)
- Support and assistance with research projects or topics
- Option to participate in the proposed OSU-CHS Practice-Based Research Network
Preceptor Benefits

- May qualify for enrollment into the Medicaid Enhanced Reimbursement Program
  - Cooperative program between OSU and OHCA
  - Increased Medicare reimbursement rates for Medicaid patients
- Opportunities to network with colleagues and potentially recruit primary care physicians
- Professional improvement of skills by continual challenges of educating new physicians
Center for Rural Health Current Reimbursement Schedule

- Volunteer Physicians (non-paid but eligible for all benefits):
  - Elective Preceptors
  - Clinical Preceptors (Community Clinic and Rural Clinic)
  - Emergency Medicine Supervising Physicians

- Paid Physicians (paid $210 per student, per month):
  - Rural Clinic Didactic Coordinators
  - Community Hospital Supervising Physicians

- Paid Hospitals (to help cover cost of housing, meals, facility use, and computer maintenance):
  - Community Hospital sites ($350 per student, per month)
  - Emergency Medicine sites
    - Tulsa: $100 per student, per month (meals only)
    - All other sites: $350 per student, per month
So How is the New Model Different?

Everything needs maintenance, repairs, or adjustments over time
Current Center of Rural Medical Education

TULSA
Distance from the OSU Medical Center of Active Osteopathic Physicians Practicing in Oklahoma who Completed a Residency at the OSU Medical Center

Number and Cumulative Frequency by Distance Interval
0 miles to 12 miles = 265 (50%)
12.1 miles to 30 miles = 61 (61%)
30.1 miles to 41.5 miles = 29 (66%)
41.6 miles to 60 miles = 30 (72%)
60.1 miles to 120 miles = 104 (91%)
120.1 miles to 180 miles = 38 (99%)
180.1 miles to 240 miles = 5 (99%)
240.1 miles to 300 miles = 0 (99%)
300.1 miles to 360 miles = 3 (100%)

Average Distance from OSU Medical Center = 41.5 miles
Median Distance from OSU Medical Center = 12 miles

* Data is current as of September 2005, and does not account for individuals who were participants in an OMECO residency as of September 2005.

Data Sources: U.S. Census Bureau (2000); OSU Medical Center (2005); OOA (2005)

(c) 2005 Oklahoma State University

Map Produced by OSU Center for Rural Health
OSU Center for Health Sciences
Tulsa, Oklahoma
December 14, 2005
Challenges

- Regional academic support

Current OSU-CHS Students from Oklahoma Rural Regional Universities
Challenges

- Regional academic support
- Community support
- Funding for physician faculty and support staff
For Additional Information…

Please visit our website

http://ruralhealth.okstate.edu

Click-on the “Rural Medical Education” link
Contact Information

Oklahoma State University – Center for Rural Health

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http://ruralhealth.okstate.edu
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