Oklahoma Office of Rural Health
Critical Access Hospitals
2007

Data Source: U.S. Census Bureau (2000); FLEX Monitoring Team (January 2007); Oklahoma State Office of Rural Health (February 2007) (c) 2007 Oklahoma State University

Map Produced by OSU Center for Rural Health OSU Center for Health Sciences Tulsa, Oklahoma September 24, 2007
http://ruralhealth.okstate.edu
Hospitals Eligible for the Small Hospital Improvement Program
2007
Community Health Engagement Process
2007

Counties eligible for the Community Health Engagement Process
Counties ineligible for the Community Health Engagement Process
Communities that completed the Community Health Engagement Process
Communities currently undergoing the Community Health Engagement Process

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

Map Produced by OSU Center for Rural Health
OSU Center for Health Sciences
Tulsa, Oklahoma
September 24, 2007
http://ruralhealth.okstate.edu
Oklahoma Office of Rural Health

- CAH HIT Grant
- Hospital Board Training/Performance Improvement
- USDA Grant (Panhandle)
- Network Grant (Stigler)
  - Enhanced Services
  - Telemedicine
OKAHEC Regional Centers

NW AHEC, Enid

SW AHEC, Lawton

NE AHEC, Tulsa

SE AHEC, Poteau

© 2007 Oklahoma State University
The AHEC Path

Awareness & Exploration

(Elementary - College)

Camps
Q&A
Academic Support
Shadowing
Mentoring
Field Trips

Get ‘Em
Matriculation of OSU-COM Students from Oklahoma Rural Regional Universities
Accepted from 2003 through 2007

Panhandle State Univ. (Goodwell) 1

NW Oklahoma State Univ. (Alva) 2

Oklahoma Wesleyan Univ. (Bartlesville) 1

Roger’s State Univ. (Claremore) 4

NE Oklahoma State Univ. (Tahlequah) 36

Bacone College (Muskogee) 0

SW Oklahoma State Univ. (Weatherford) 17

Langston Univ. (Langston) 2

St. Gregory’s Univ. (Shawnee) 3

Univ. of Science & Arts of Oklahoma (Chickasha) 2

Oklahoma Baptist Univ. (Shawnee) 2

East Central Univ. (Ada) 7

SE Oklahoma State Univ. (Durant) 1

Map Produced by
OSU Center for Rural Health
OSU Center for Health Sciences
Tulsa, Oklahoma
September 27, 2007
http://ruralhealth.okstate.edu

(c) 2007 Oklahoma State University
The AHEC Path

Train ‘Em

Health Professional Student Training
- Community-based
- Rural/Underserved
- Primary Care
- Housing Assistance
- Preceptor Support
- Interdisciplinary

Get ‘Em

Awareness & Exploration
(Elementary - College)
- Camps
- Q&A
- Academic Support
- Shadowing
- Mentoring
- Field Trips
AHEC Support of Clinical Education

- Housing
- Preceptor recruitment and support
- Community experiences
- Course lectures, case presentations, small group discussions
- Most of the work is with OSU-CHS medical students – 40% of the students and 57% of the time.
- Other disciplines: PA, nursing, optometry, various allied health, pharmacy, mental health, public health & health promotion.
- Other universities/colleges – OSU-Tulsa, NSU, NWOSU, SWOSU, OU, ORU, Cameron, TCC, TTC, Autry Tech, out of state (8 last year). Also, assisted 3 rural family medicine residency programs.
The AHEC Path

Get ‘Em

Awareness & Exploration
(Elementary - College)
Camps
Q&A
Academic Support
Shadowing
Mentoring
Field Trips

Train ‘Em

Health Professional Student Training
Community-based
Rural/Underserved
Primary Care
Housing Assistance
Preceptor Support
Interdisciplinary

Keep ‘Em

Rural and Underserved Communities
Continuing Education
Health Promotion
Disease Prevention
Community Task Forces

© 2007 Oklahoma State University
## Community Support

<table>
<thead>
<tr>
<th>Northwest AHEC</th>
<th>Northeast AHEC</th>
</tr>
</thead>
<tbody>
<tr>
<td>Tobacco</td>
<td>Tobacco</td>
</tr>
<tr>
<td>Care giving</td>
<td>Palliative care</td>
</tr>
<tr>
<td>GEC/aging</td>
<td>GEC/aging</td>
</tr>
<tr>
<td>Careers</td>
<td>Careers</td>
</tr>
<tr>
<td>Rural health</td>
<td>Mental health</td>
</tr>
<tr>
<td><strong>Southwest AHEC</strong></td>
<td><strong>Southeast AHEC</strong></td>
</tr>
<tr>
<td>Mental health</td>
<td>Family planning</td>
</tr>
<tr>
<td>Child abuse/welfare</td>
<td>GEC/aging</td>
</tr>
<tr>
<td>GEC/aging</td>
<td>Public health</td>
</tr>
<tr>
<td>Careers</td>
<td>Clinical Topics</td>
</tr>
<tr>
<td>Immunizations</td>
<td>Multicultural</td>
</tr>
</tbody>
</table>

© 2007 Oklahoma State University
OSU Center for Rural Health
USDA Grant

- **Cimarron County**
  - Boise City (Cimarron Memorial Hospital)
  - Felt (school)

- **Texas County**
  - Guymon (Memorial Hospital of Texas County)

- **Beaver County**
  - Beaver (Beaver County Memorial Hospital)
  - Balko (school)

- **Harper County**
  - Buffalo (Harper County Community Hospital)
Community Campus

A Community Campus unites the leadership of a city/town by encouraging and empowering its citizens to actively be involved in the recruitment, education, and ultimate support of local students who will become their own healthcare resource and leadership; including physicians and other health professionals/technologists. Key to a community campus are:

1) Faculty – healthcare preceptors and community leadership
2) Classrooms – clinics, hospitals, and healthcare agencies and their patients
3) Recruiters – middle schools, high schools, and regional universities
4) Adjunct Faculty – Center for Rural Health including AHEC and the State Office of Rural Health
Community Campus

Active Partners

- OSU CHS/CRH
- OSU Cooperative Extension
- Oklahoma Office of Rural Health
- OkAHEC
- CareerTech
Policy Issues of Interest

- **State**
  - SB55 – Tax Credit
  - HBxx – Loan repayment ($25,000/yr for 5 years)

- **Federal**
  - Hospitals
    - Necessary Provider for CAH
    - FQHC with a Hospital as Grantee
State of the State’s Rural Health
Topical Themes of Future Editions

State of the State’s Rural Health

- A Snapshot of Current Conditions (2007)
- Workforce Issues: Non-Physician Clinicians (2009)
- Risk Factors and Roadblocks (2010)
- Special Interest Topics (2011)
State of the State’s Rural Health – 2008 Edition

Workforce Issues: Physicians and Hospitals

January 2008
Designation of Counties by Urban/Rural/Mixed
Based on Rural-Urban Commuting Area Codes

County Designation
By Rural/Urban/Mixed
- Rural (68)
- Mixed Urban & Rural (5)
- Urban (4)

[Data Source: WWAMI Rural Health Research Center (2006)]

Population by Urban/Rural/Mixed
- Urban: 1,546,759 (45%)
- Rural: 1,629,676 (47%)
- Mixed: 274,219 (8%)

[Data Source: U.S. Census Bureau (2000)]
Physicians

- Based on the underlying premise that Oklahoma is facing a shortage of physicians now and in the future.
- How does the physician supply in rural Oklahoma differ vis-à-vis urban Oklahoma?
- Some of the topics addressed:
  - Distribution of medical specialties
  - Demographic characteristics (gender, age, race/ethnicity)
  - Medical education including GME
  - Licensure trends
Age Profile of Active Physicians

Over 85

Urban Physicians

- 80 to 84: 0.43%
- 85 to 84: 1.01%
- 75 to 79: 2.11%
- 70 to 74: 3.84%
- 65 to 69: 5.29%
- 60 to 64: 8.60%
- 55 to 59: 12.94%
- 50 to 54: 15.01%
- 45 to 49: 14.22%
- 40 to 44: 12.59%
- 35 to 39: 12.65%
- 30 to 34: 9.55%
- 25 to 29: 1.76%

Rural Physicians

- 80 to 84: 0.50%
- 85 to 84: 1.18%
- 75 to 79: 2.24%
- 70 to 74: 4.65%
- 65 to 69: 6.67%
- 60 to 64: 11.15%
- 55 to 59: 15.36%
- 50 to 54: 18.22%
- 45 to 49: 13.45%
- 40 to 44: 11.38%
- 35 to 39: 10.09%
- 30 to 34: 4.82%
- 25 to 29: 0.28%
Physicians Approaching Retirement Age

Year Active Physicians Reach Age 65

- **All Physicians**
- **Urban Physicians**
- **Rural Physicians**

Number of Active Physicians

<table>
<thead>
<tr>
<th>Year</th>
<th>All Physicians</th>
<th>Urban Physicians</th>
<th>Rural Physicians</th>
</tr>
</thead>
<tbody>
<tr>
<td>2025</td>
<td>208 (2025)</td>
<td>158 (2025)</td>
<td>48 (2025)</td>
</tr>
</tbody>
</table>

© 2007 Oklahoma State University
Number of Patient Care Physicians in Oklahoma & Bordering States Per 100,000 Population

- Colorado: 236
- Kansas: 204
- Missouri: 215
- New Mexico: 215
- Texas: 194
- OK: 158
- Ark: 189

U.S. = 239

Number of Primary Care Physicians in Oklahoma & Bordering States Per 100,000 Population

- Colorado: 116.6
- Kansas: 101.6
- Missouri: 106.2
- New Mexico: 113.6
- Texas: 95.5
- OK: 79.7
- Ark: 98.7

U.S. = 119.9

Hospitals

- To better describe the issues facing hospitals in rural Oklahoma and how they compare to their urban counterparts.
- Some of the topics addressed:
  - Capacity
  - Discharges
  - Length of stay
Hospital Beds per 1,000 Population

Beds per 1,000 Population
- 9.5 to 19.4
- 5.0 to 9.4
- 3.2 to 4.9
- 2.0 to 3.1
- 0.7 to 1.9
- No Data

Health Resources Service Administration (2007)

Comparison of Hospital Beds per 1,000 Population 2007

<table>
<thead>
<tr>
<th>Type</th>
<th>Beds per 1,000 Population</th>
</tr>
</thead>
<tbody>
<tr>
<td>Oklahoma</td>
<td>4.1</td>
</tr>
<tr>
<td>Urban Oklahoma</td>
<td>5.4</td>
</tr>
<tr>
<td>Rural Oklahoma</td>
<td>3.4</td>
</tr>
<tr>
<td>Mixed</td>
<td>1.2</td>
</tr>
</tbody>
</table>

[Data Source: HRSA (2007)]
© 2007 Oklahoma State University
For Additional Information…

Please visit our website

http://ruralhealth.okstate.edu
## Contact Information

**Oklahoma State University – Center for Rural Health**

### Tulsa Office

**OSU Center for Health Sciences**

1111 West 17th Street

Tulsa, OK 74107-1898

Phone: 918.584.4310

Fax: 918.584.4391

### Oklahoma City Office

**900 N. Portland Ave.**

Suite BT200

Oklahoma City, OK 73107

Phone: 405.945.9197

Fax: 405.945.9186

http://ruralhealth.okstate.edu
Individual Contact Information

William Pettit, D.O.
Associate Dean and Assistant Professor for Rural Health
918.584.4379
william.j.pettit@okstate.edu

Val Schott, M.P.H.
Director, Center for Rural Health
405.945.9197
val.schott@okstate.edu

C. Michael Ogle, D.O.
Director, OSU Physicians Rural Clinic Services
580.977.5000
rockino@hotmail.com

Richard Perry, M.A.
Director, OkAHEC
918.584.4378
richard.r.perry@okstate.edu

Jeff Hackler, M.B.A., J.D.
Director, Grants and Resource Development
918.584.4611
jeff.hackler@okstate.edu

Kaleb Bennett
Director, Rural Health Marketing and Policy Development
918.584.4323
kaleb.bennett@okstate.edu

Vicky Pace, M.Ed.
Clinical Training Coordinator
918.584.4332
vicky.pace@okstate.edu

Chad Landgraf, M.S.
GIS Analyst
918.584.4376
chad.landgraf@okstate.edu

Toni Hart
Program Coordinator
918.584.4368
toni.hart@okstate.edu

Matt Janey
Program Coordinator
918.584.4377
matt.janey@okstate.edu

Rod Hargrave
FLEX Program Coordinator
405.945.9196
rod.hargrave@okstate.edu

Corie Kaiser
Health Consultant
405.945.9194
corie.kaiser@okstate.edu

Jan Barber
Administrative Coordinator
918.584.4360
jan.barber@okstate.edu

Sherry Eastman
Program Specialist II
918.584.4375
sherry.eastman@okstate.edu

Dora J. Johnson
Administrative Assistant
918.584.4310
dora.johnson@okstate.edu

Billie Bowman
Administrative Assistant
405.945.9197
billie.bowman@okstate.edu

© 2007 Oklahoma State University