

Oklahoma's Rural Stroke Initiative

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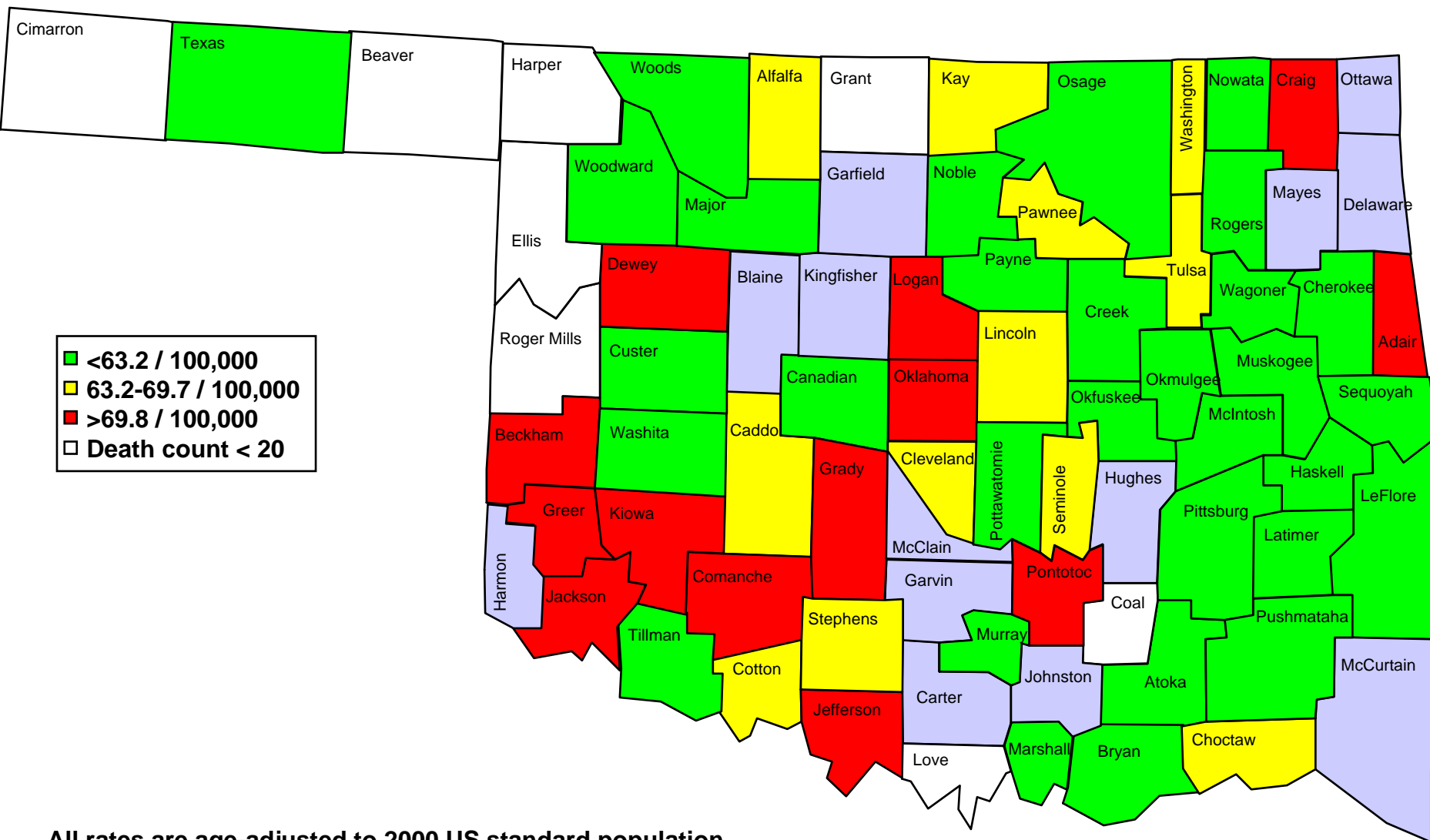
Chief, Chronic Disease Service

Rural Stroke Initiative Goal

To improve the mortality and morbidity from stroke events by partnering with the Oklahoma Stroke Coalition, Oklahoma Foundation for Medical Quality, American Heart Association and rural communities.

Oklahoma Stroke Mortality By County

Vital Statistics 1996-1998



All rates are age-adjusted to 2000 US standard population
 US stroke mortality for this time period is 61.5/100,000

Rural Stroke Initiative Partners

- American Heart Association, Oklahoma
- EMSA – Emergency Services for the Oklahoma City Area
- Oklahoma Stroke Coalition
- Ardmore Mercy Memorial Hospital
- St Mary's Memorial Hospital of Enid
- OK Cardiovascular Health Program
- Oklahoma Foundation for Medical Quality

Rural Stroke Initiative

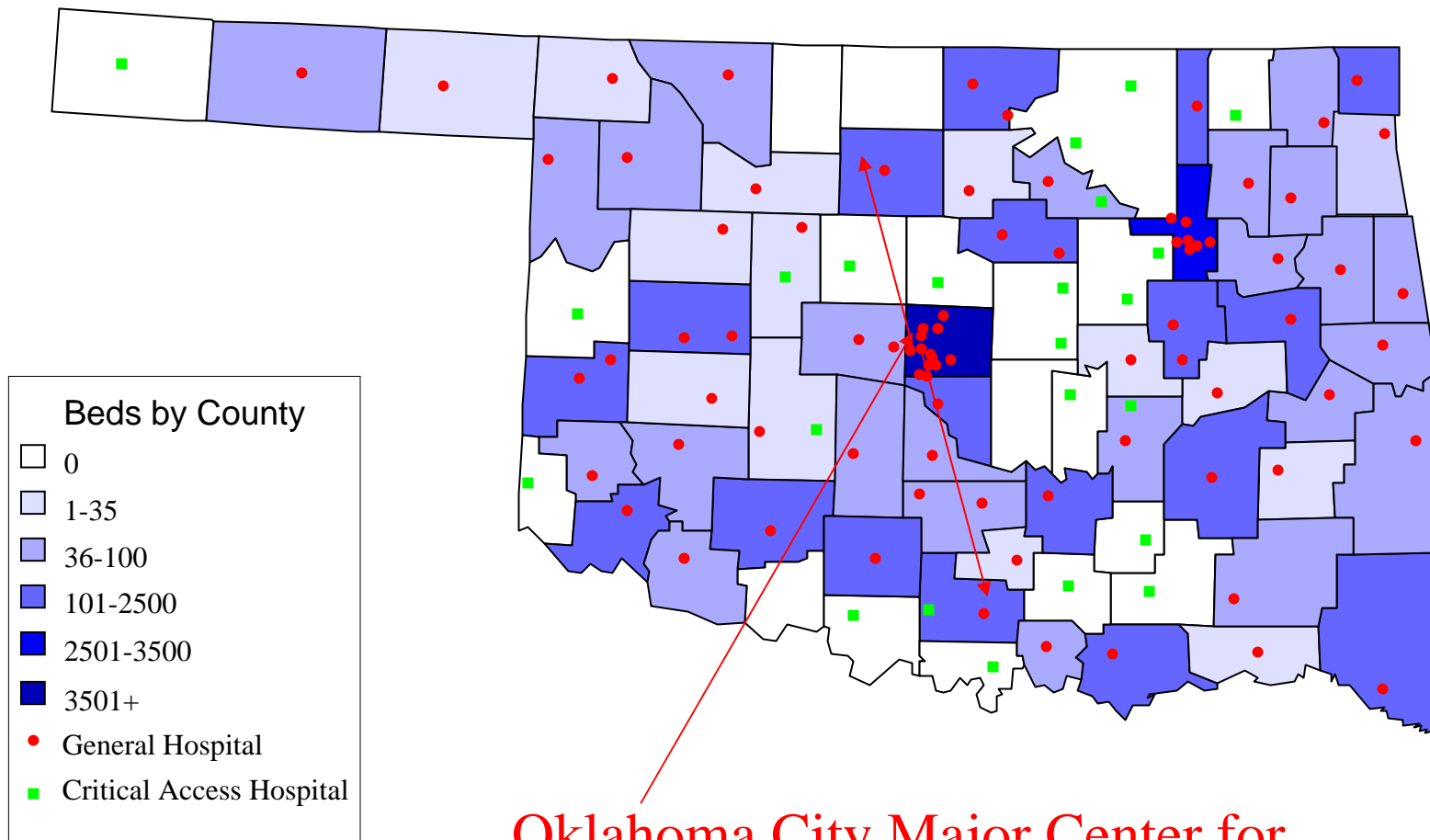
Activities

- Implement OPERATION STROKE in rural areas through assistance from the Oklahoma City area hospitals
- Develop protocols for assessment
- Develop protocols for rapid transport
- Develop protocols for tele-medicine
- Develop stroke survivor networks

Rural Stroke Initiative Cardiovascular Program's Role

- Provide the data on stroke morbidity based on hospital discharge data for state, rural areas and Oklahoma City by major geographical areas
- Provide data on stroke mortality based on vital statistics for state, rural areas, and Oklahoma City by major geographic area
- Data plotted on Oklahoma City map
- Policy and statutes research related to hospitals, national guidelines, and trauma rules

Number of Beds by County and Location of General Medical Surgical Hospitals and Critical Access Hospitals Oklahoma 2003

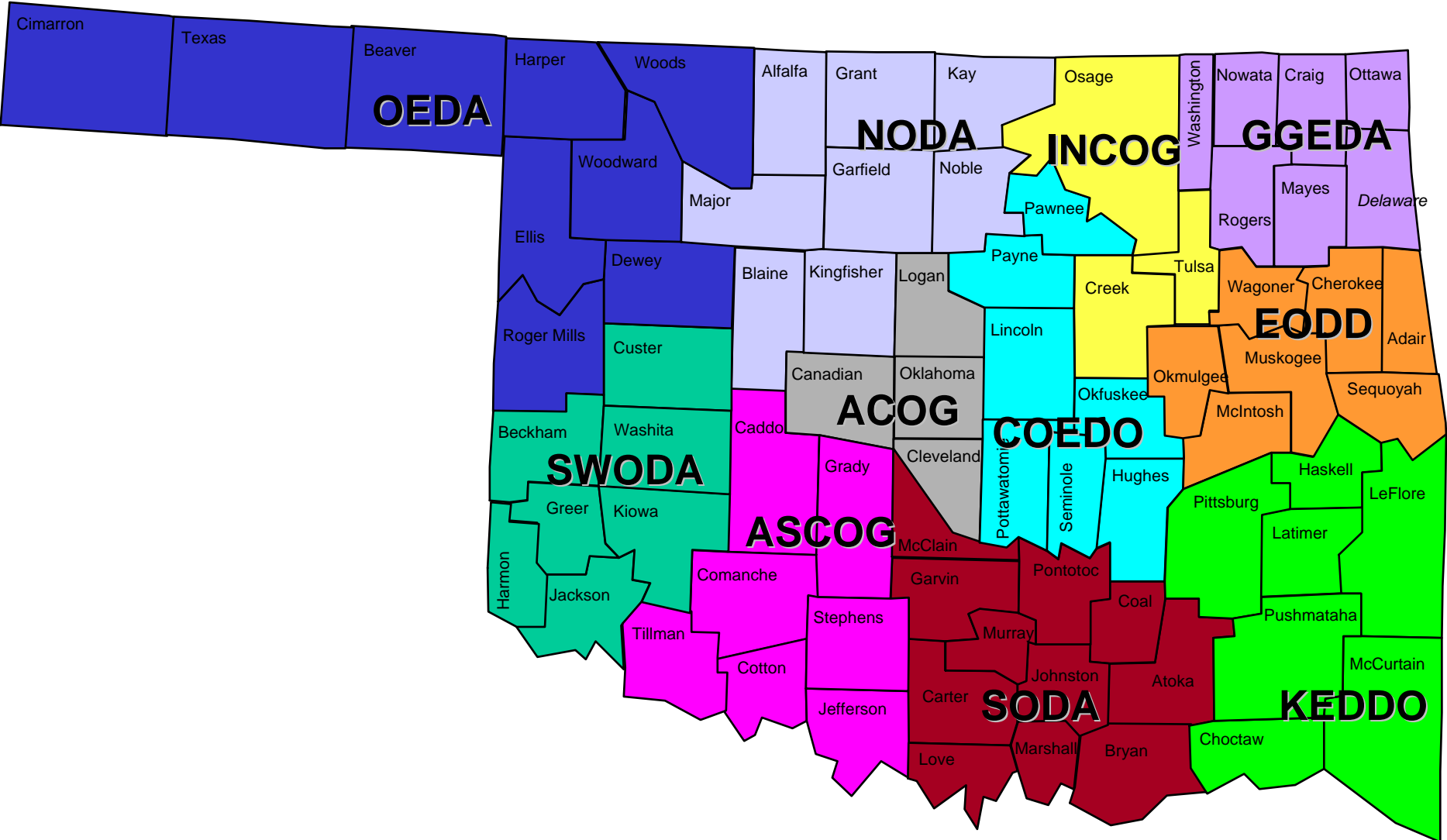


Oklahoma City Major Center for Heart/Stroke Care

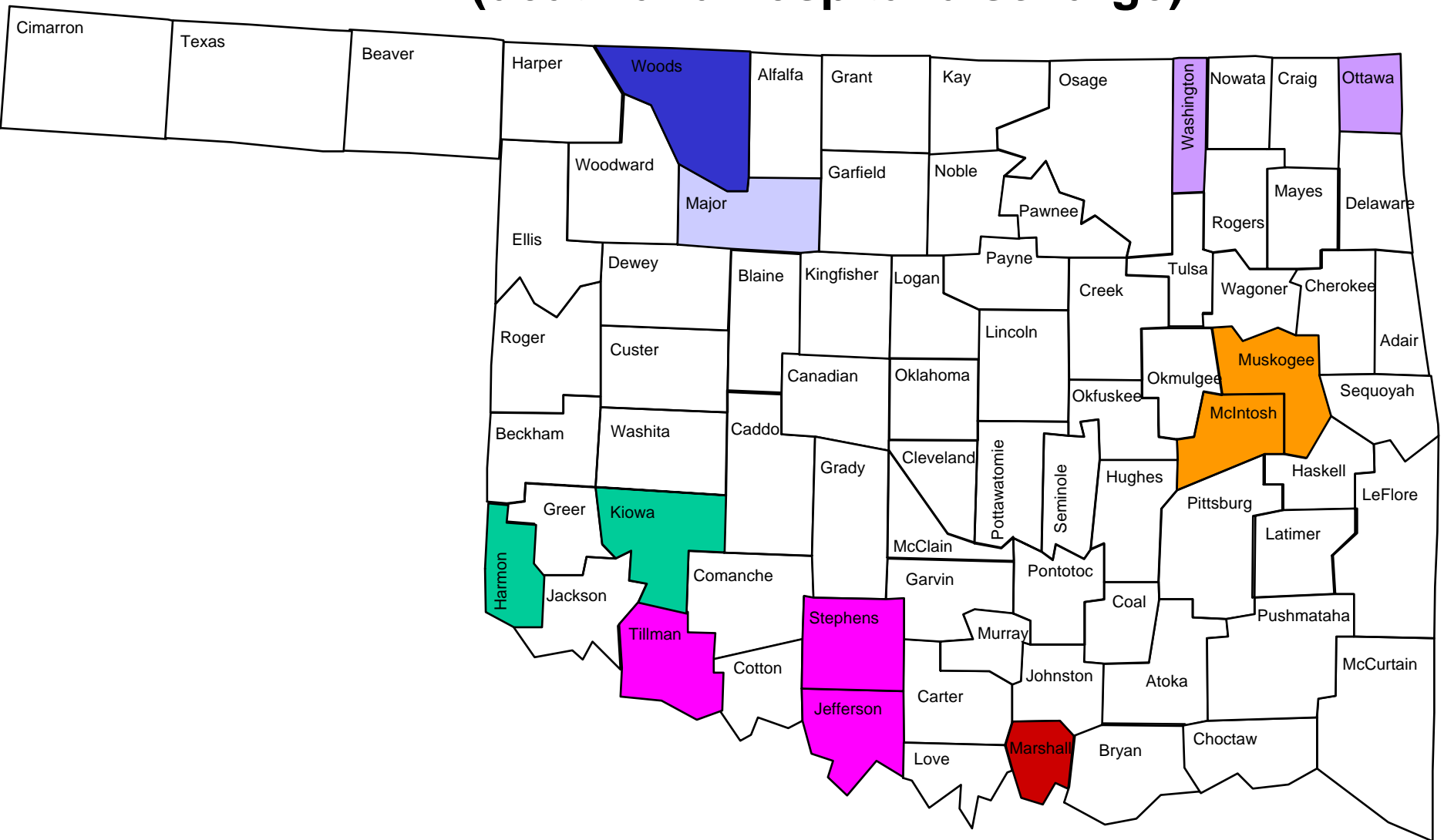
Rural Heart/Stroke Collaborative Partners

- **American Heart Association, OK**
- **Council of Regional Governments**
- **Cardiovascular Health Program, OSDH**
- **OK Association of Firefighters**
- **Office of Rural Health**
- **Emergency Medical Services, OSDH**
- **EMSA – emergency services of OKC**
- **Career Tech**
- **Oklahoma Association of Chiefs of Police**
- **OK Association of County Sheriffs**

11 Planning Districts



More than 40 CVD events per 1000 population (death and hospital discharge)



Lessons Learned

- Be prepared to make waves – as one community makes change in their system does not mean the whole system changes equally
- Make sure data systems have capability of measuring the outcomes desired
- Make sure policy is supportive not restrictive