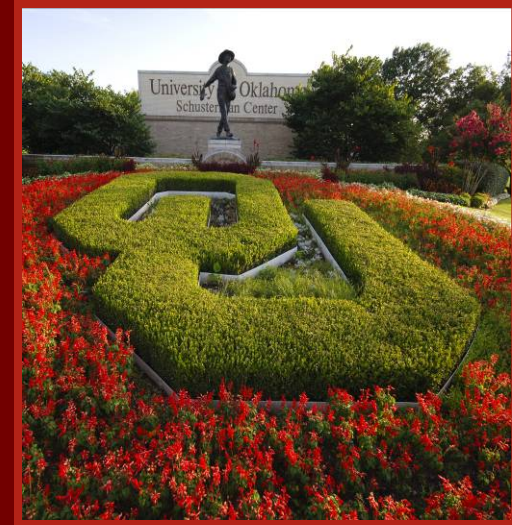
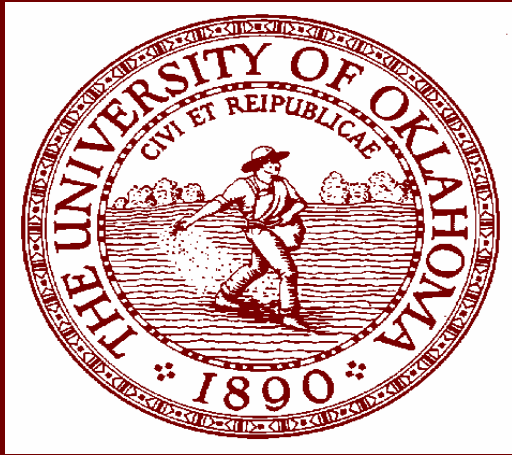


# Botswana on the Arkansas: Addressing savage inequalities in Tulsa, Oklahoma



University of Oklahoma-Tulsa

The Bedlam Alliance for Community Health

John M. Gaudet, MPH, BS, ADN

Linda Smith, MPH, CMPE

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# Botswana



## *On the Arkansas*

Presented by the Bedlam Alliance for Community Health

# “Poor no more” Tulsa World Editorial

By Julie DelCour,  
Associate Editor



September 2, 2007

“If each of the 50 states were a country ranked by poverty levels, Oklahoma would stack up as a Third World nation.”

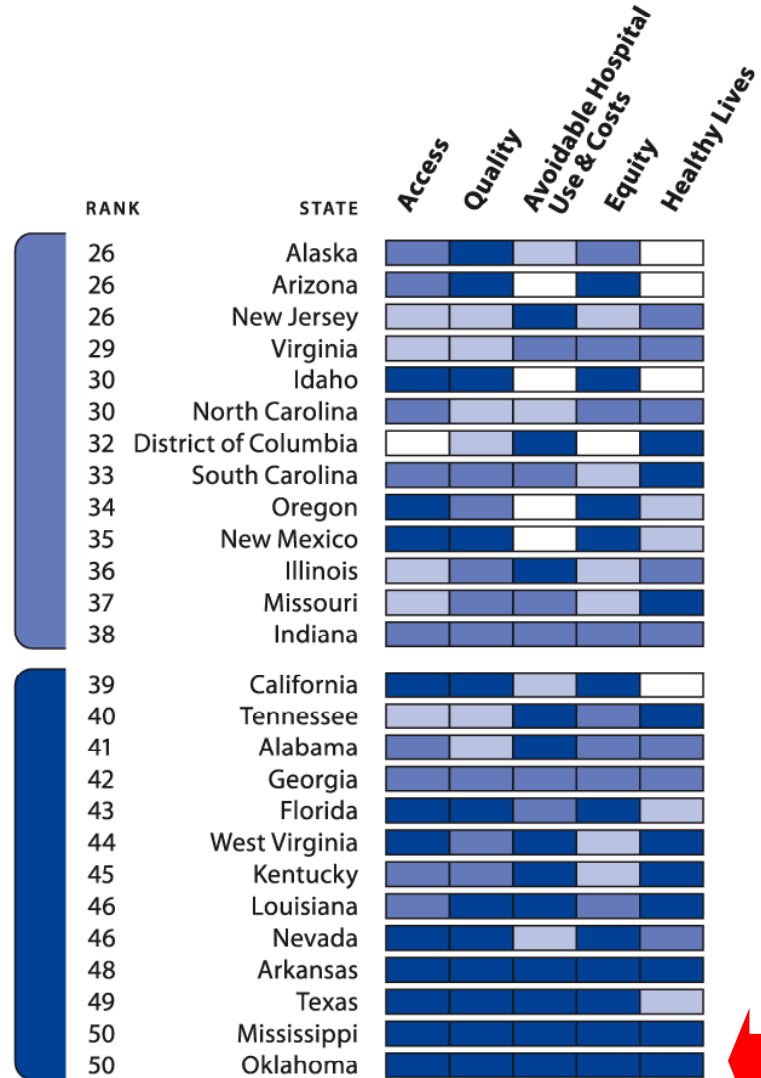
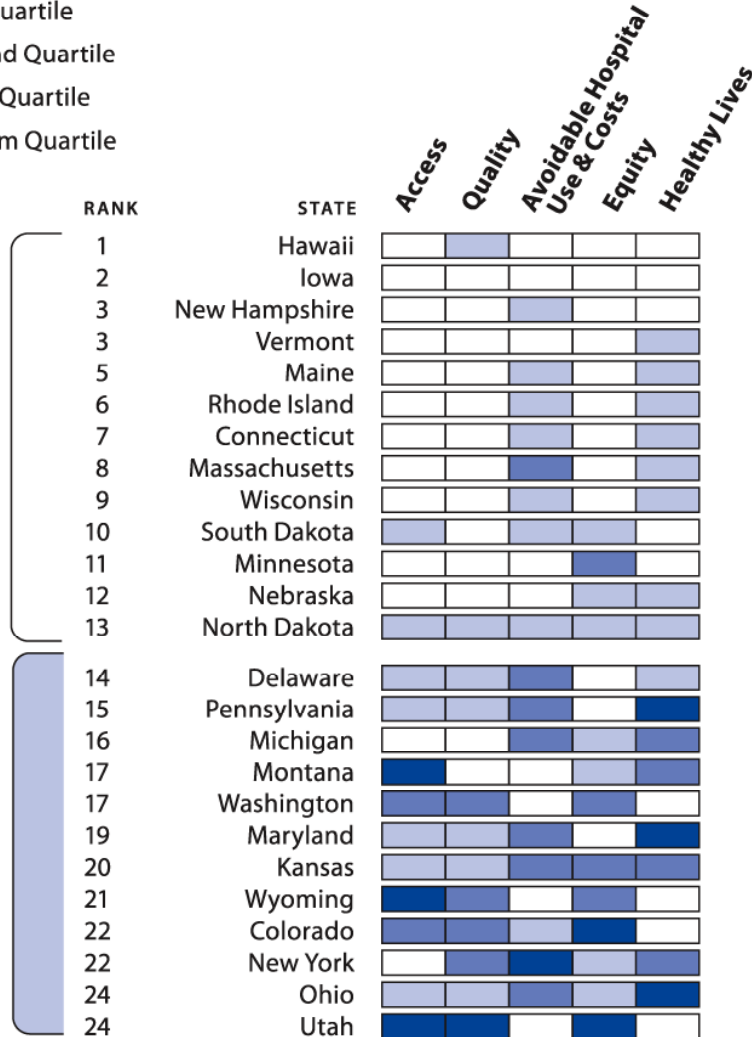
“Comparatively speaking, our state and almost all of the South are the Sub-Saharan Africa of poverty in America.”

# COMMONWEALTH FUND

## State Scorecard Summary of Health System Performance

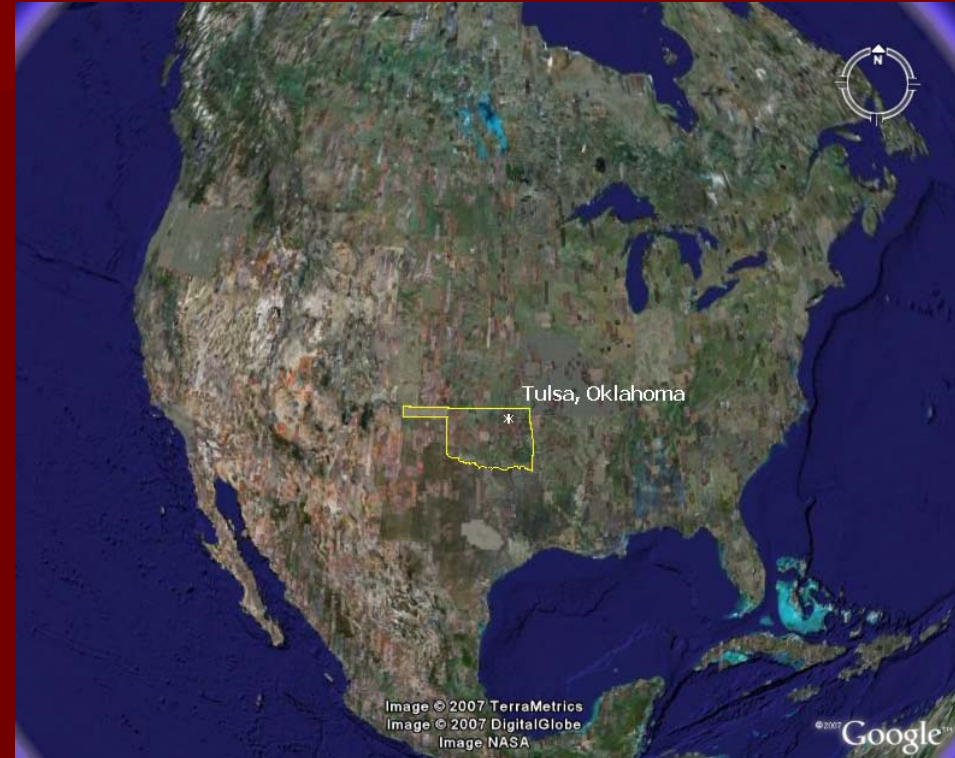
### State Rank

- Top Quartile
- Second Quartile
- Third Quartile
- Bottom Quartile





# Botswana *On the Arkansas*



Population: 1,815,508  
Area: 231,732 sq miles  
A developing country in sub-Saharan Africa

Population: 577,795  
Area: 570 sq. miles  
The 2<sup>nd</sup> largest city in Oklahoma.  
The 55<sup>th</sup> largest metro area in the U.S.



## From Botswana

- Income Per Capita in Botswana: \$10,250 USD
- Median age in Botswana: 21 years.
- Life expectancy: 51 years
- 12% without access to health facilities

Sources: The United Nations &  
CIA World Factbook



## To Tulsa

- Income per Capita in Tulsa zip code 74126: \$10,986
- Median age in Tulsa: Caucasian- 40 years; Black- 28 years; Hispanic- 25 years.
- Life expectancy for Tulsa's vulnerable population 61.3 years.
- 19.5% of Tulsans could not see a doctor in 2004 due to cost.

Sources: U.S. Census Bureau &  
The Commonwealth Fund

# Botswana Statistics



- Healthy life expectancy at birth: 36/35  
male/female
- Life expectancy at birth: 41/42  
male/female per 1,000 births
- Probability of dying under 5 years old: 120  
Per 1,000 live births
- Probability of dying between 12-60 years old: 758/750  
male/female per 1,000 population



# Botswana's Response to the HIV/AIDS Crisis



- First African country to establish a national antiretroviral therapy program
- Treatment provided free of charge
- The implementation of antiretroviral therapy started in 2002 and expanded to 32 sites in 2005
- Established a National AIDS Council chaired by the head of state to take responsibility for a multisectoral response to AIDS.



# Challenges



- The lack of trained human resources is the most significant challenge as Botswana continues to scale up the provision of antiretroviral therapy
- Nongovernmental organizations and community based organizations engaged in the national response face the challenge of scarcity of available funding and limited capacity
- Coordination among initiatives of various partners and stakeholders needs to be strengthened, including partnerships with the private sector.

# Tulsa/Oklahoma Statistics...



## Third-World Healthcare Equity in the United States

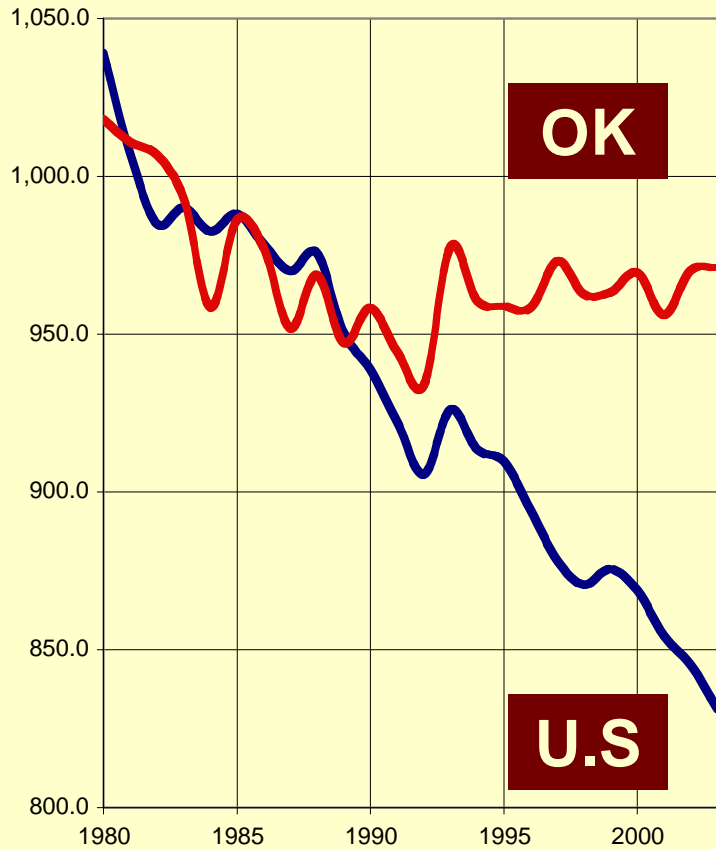
- 50<sup>th</sup>- The Commonwealth Fund ranks Oklahoma WORST in Healthcare Equity.
- 47<sup>th</sup>- for healthcare equity gaps based on income.
- 49<sup>th</sup>- for healthcare equity gaps based on insurance status.
- 50<sup>th</sup>- for healthcare equity gaps based on race/ethnicity.

# Tulsa's Most Vulnerable



- Tulsa's children, older adults, racial/ethnic minorities, those living in poverty, and the uninsured.
- 73% of uninsured children in OK were unable to visit a doctor in 2004 due to cost.
- 86% of uninsured adults in OK age 50+ did not receive recommended screening or preventative care in 2004.
- 66% of black children and 79% of Hispanic children in Oklahoma do not have a medical home.

# AGE ADJUSTED DEATH RATE



## Oklahoma A State of Health?

“We are the **ONLY** state where our age-adjusted death rates became **WORSE** through the 1990s and into this century.”

“If we had the same adjusted death rate as the nation, we would have about 3,700 fewer people dying each year.”

*Oklahoma State Board of Health “2006 State of the State’s Health” Graphic: University of Oklahoma College of Public Health. Data Source: U.S. Centers for Disease Control and Prevention*



# Health Disparities by Class

## ■ Tulsa's Poor

- Poor health status – die **14** years earlier
- Limited access to care – 4% of doctors near homes

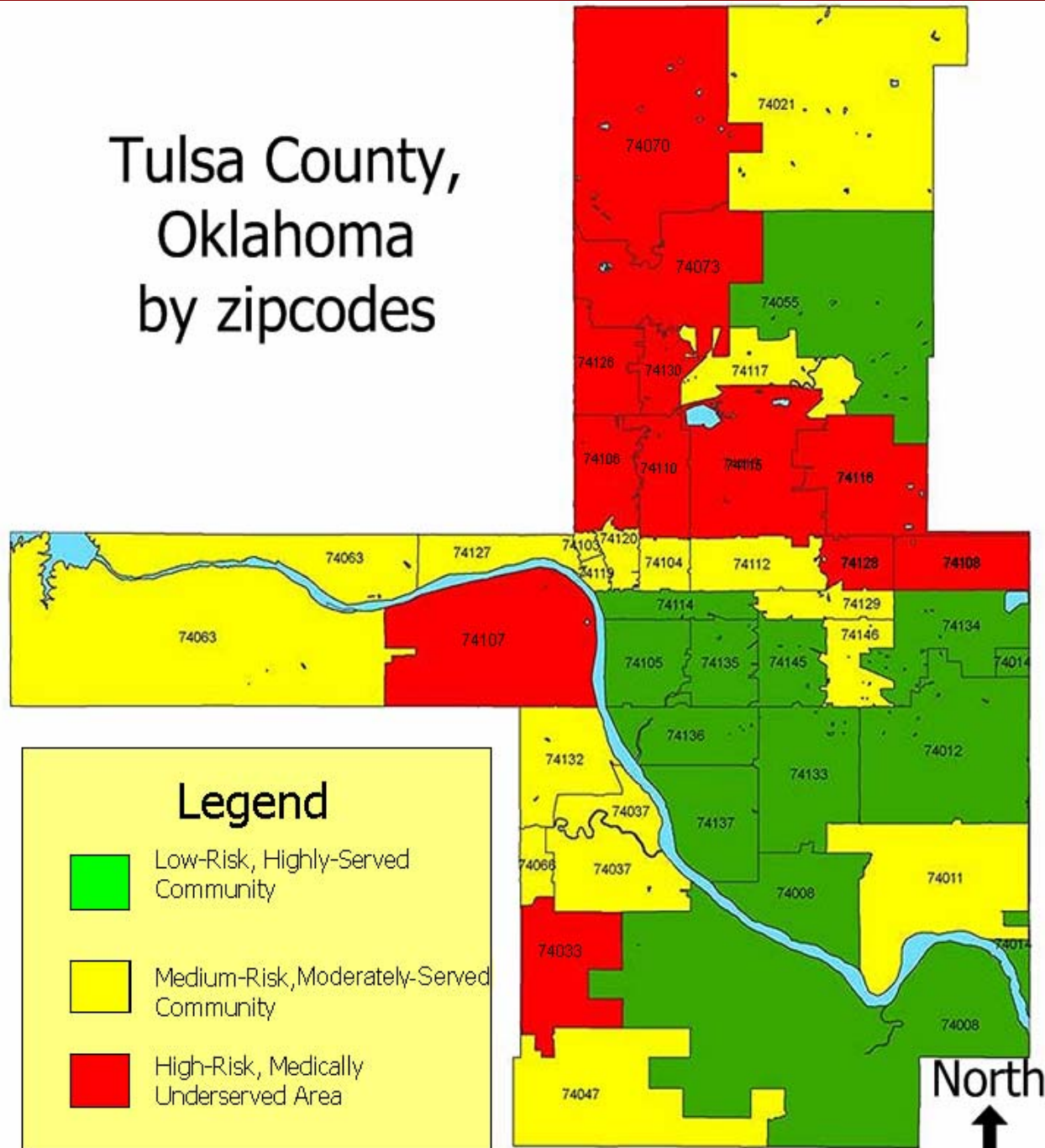
## ■ Tulsa's Middle Class

- Low healthcare quality
- High cost health care

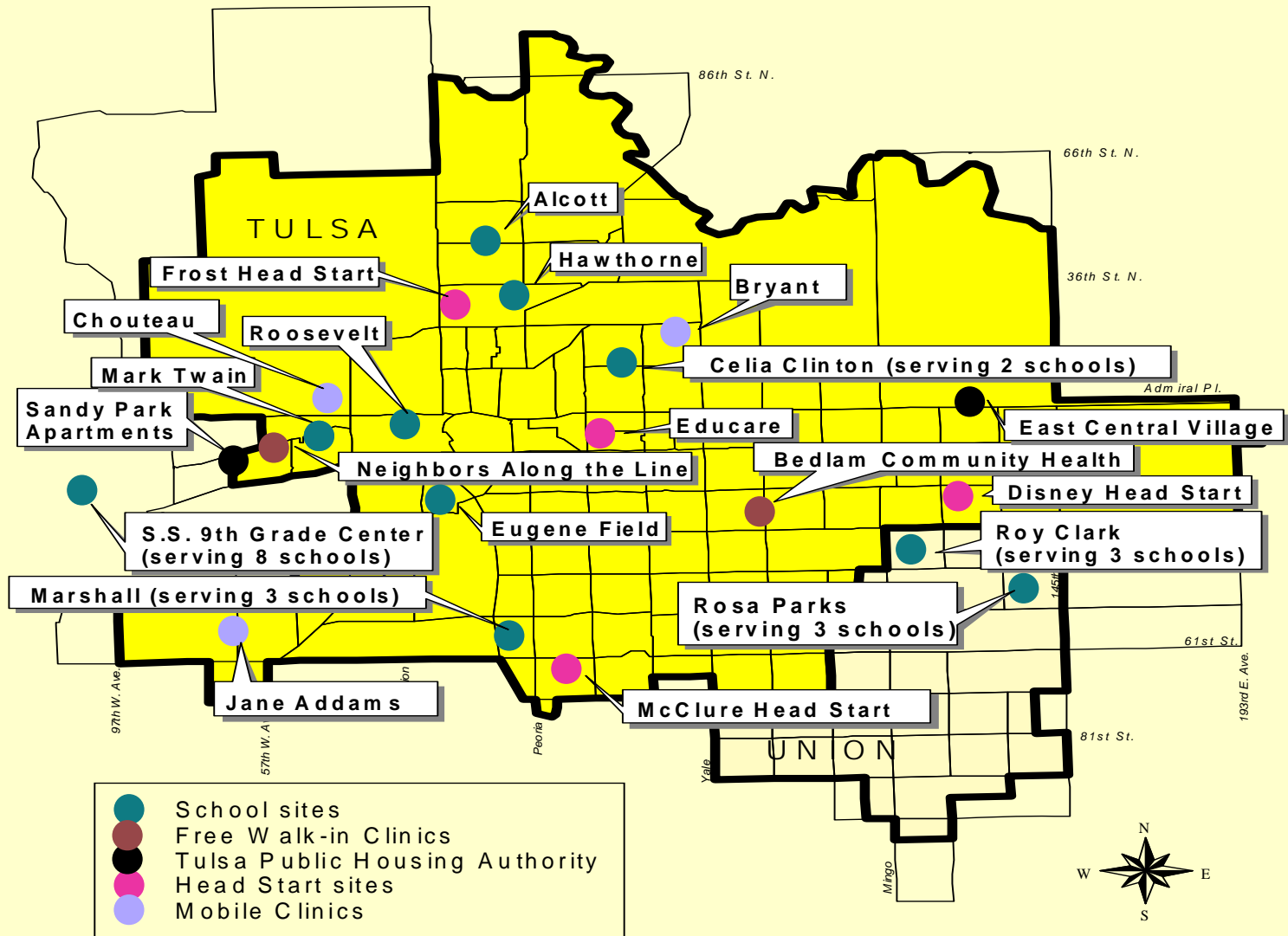
## ■ Tulsa's Wealthy

- Low health care quality and high cost
- High cost of charity care

# Tulsa County, Oklahoma by zipcodes



# Tulsa Area Bedlam Clinic Sites (school-based and other locations) October 2007



*Prepared by the Community Service Council of Greater Tulsa (10/2007).  
Supported by the Metropolitan Human Services Commission.*

# Livable Income

- What is the national average for livable income?
  - \$12-14.00 / hour
- The current minimum wage is
  - \$5.68 / hour
- Tulsa cost of living
  - 15.65 / hour to live in Tulsa



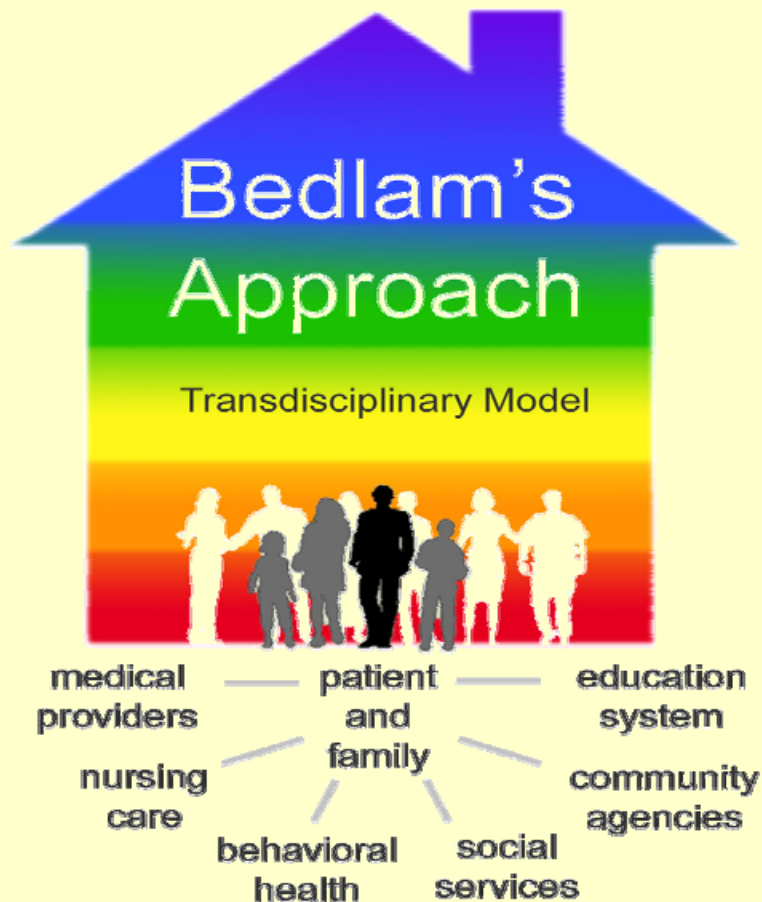
# New Way to Look at Concepts in Health and Disease

- Allostatic load
  - Additive burden of psychosocial stresses produces physiological damage
- Weathering Phenomenon
  - Stressed people age faster
- Physiological Capital
  - Genes – Environment – Behavior
    - Neighborhoods (community schools)
    - Education to change behavioral norms

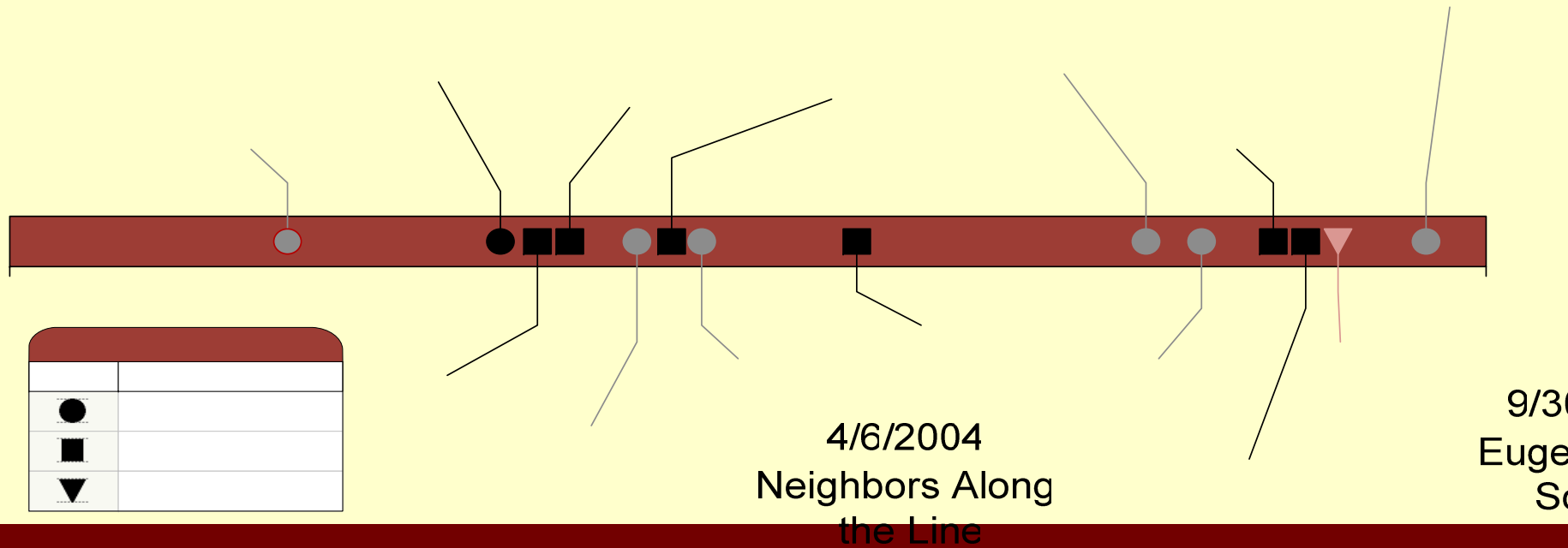
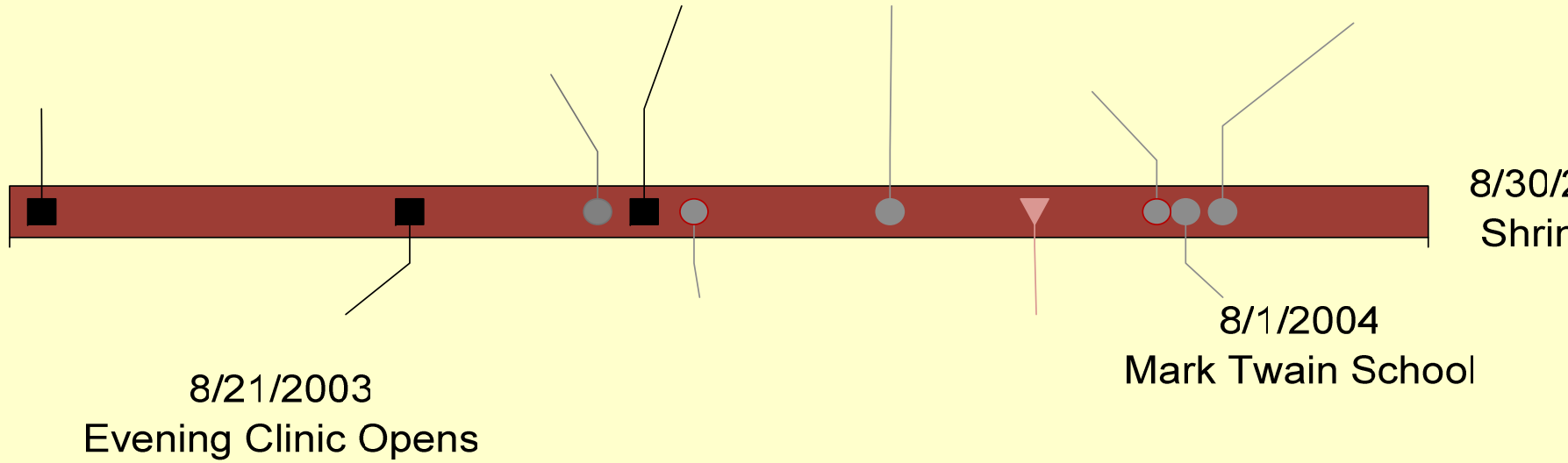
# Overview of Bedlam

- University based program
- Under the College of Medicine
- Provides medical care regardless of ability to pay
- Provides medical care in multiple settings – free evening clinic, public housing, school-based clinics and mobile unit
- Interprofessional Education (Medical, Nursing, Pharmacy, Social Work students)
- Funded by: Philanthropic dollars, Medicaid, Third party insurance, Medicare.
- No direct State or Federal dollars

# Bedlam Innovation: A Transdisciplinary Approach

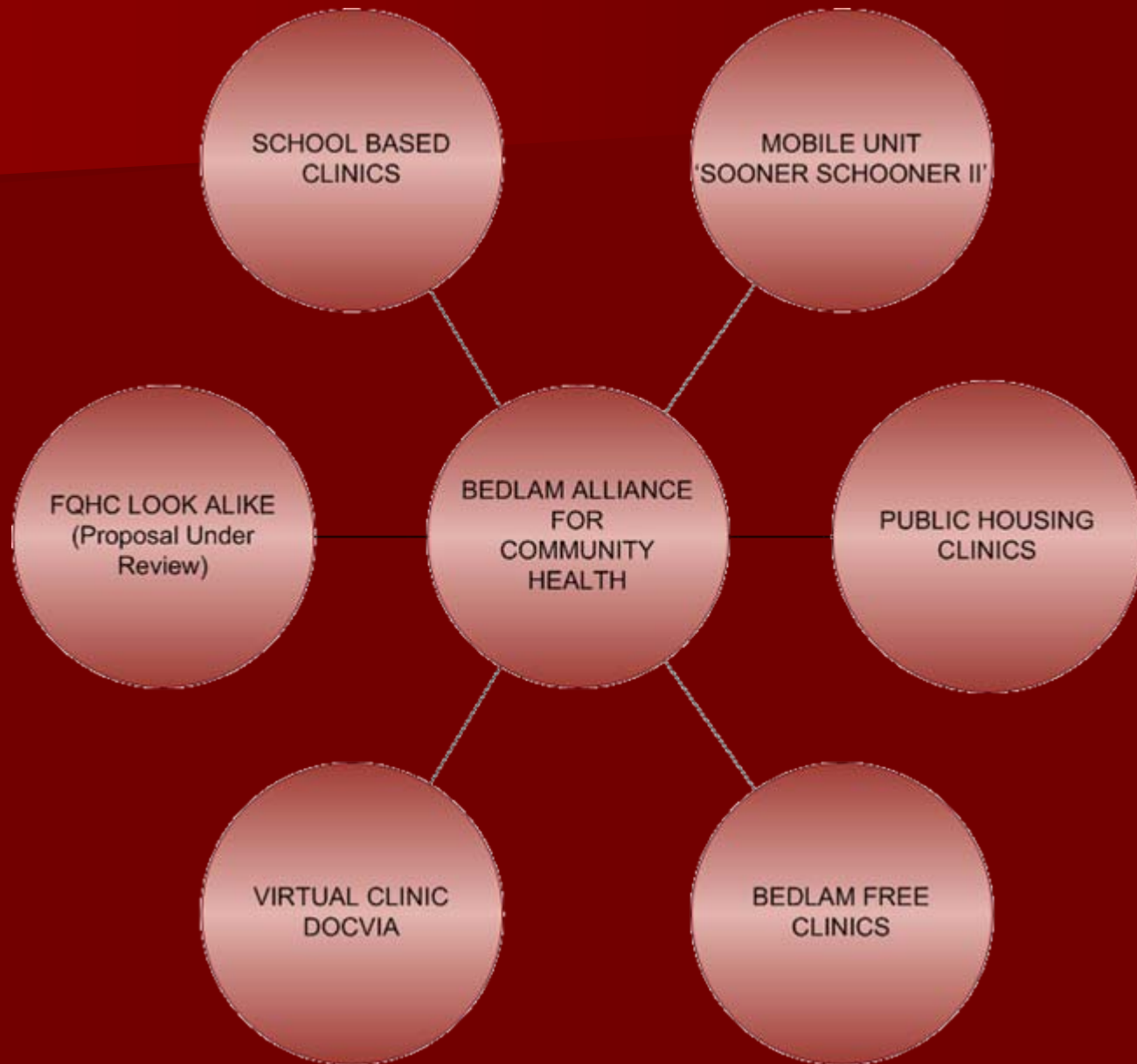


# History of Bedlam Alliance for Community Health

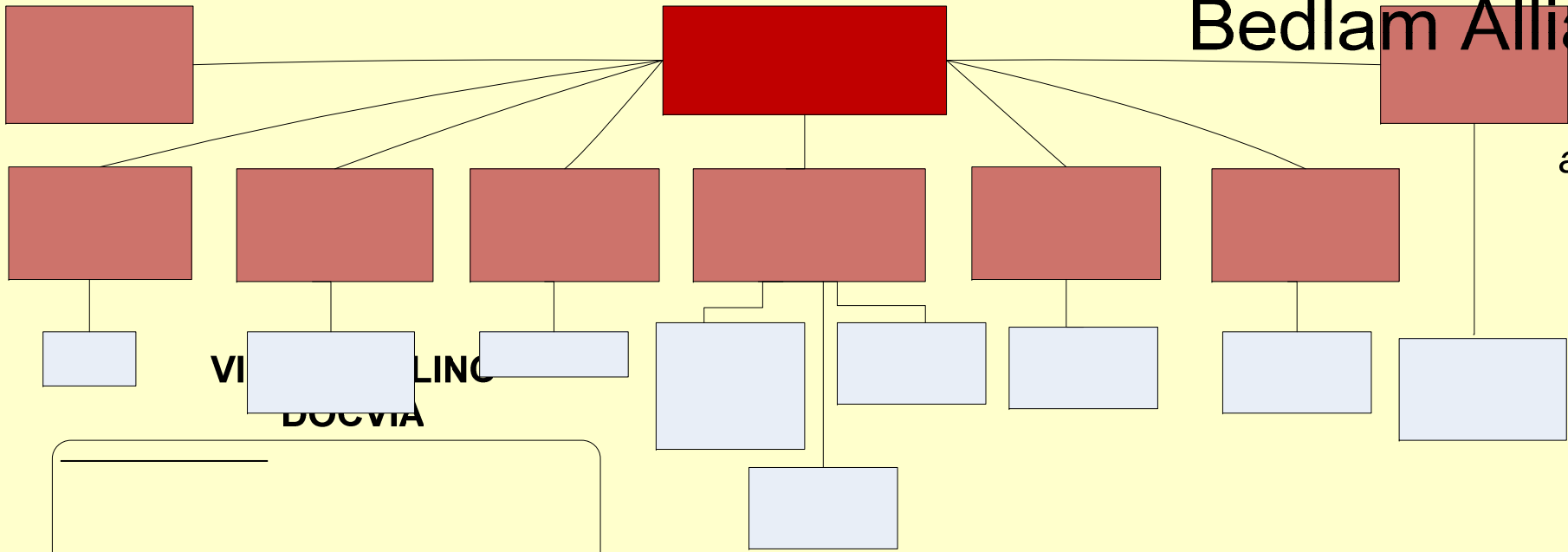




# Types of Bedlam Clinic Sites



# Bedlam Allia



VI  
 DOCVIA  
 LINC

Head Start Clinics

Frost

Combination Head  
 Start/Elementary  
 School Clinics

Native American  
 Head Start Clinics

McClure (CS)  
 Disney  
 Rosa Parks

Mark Twain  
 Sand Springs

Tulsa Pu  
 Commu  
 Euge  
 Mar  
 Celia

# Bedlam Alliance For Community Health



Free Clinics

as of Thursday, June 07, 2007

## BEDLAM FREE CLINICS

**Mobile Unit**

**Virtual Clinic  
Docvia**



Bedlam Internal  
Medicine  
(Dr. Weisz)

Shriners

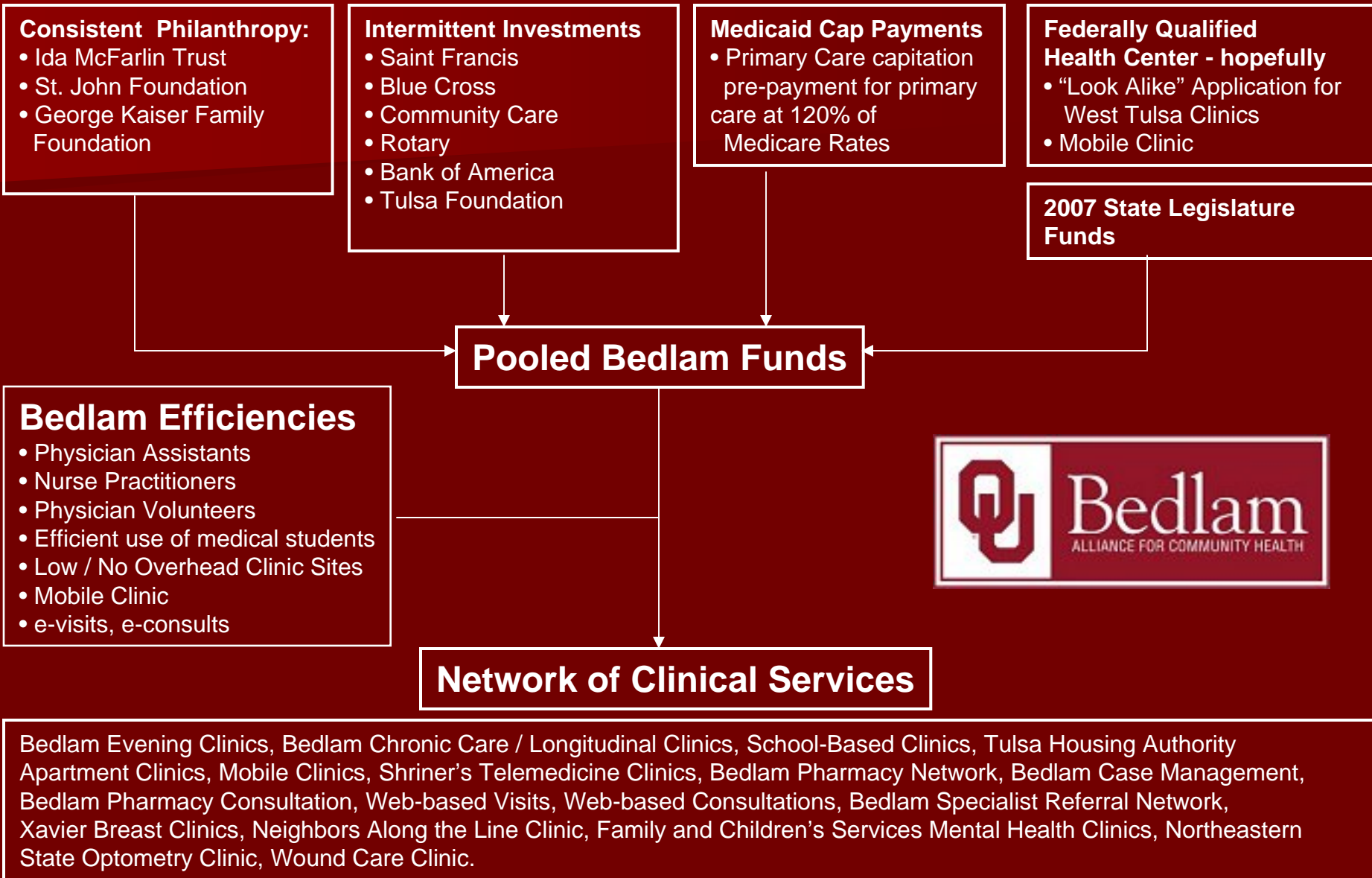
Xavier Breast  
Clinic

Evening Clinic  
(Primary Care)  
& Specialty  
Care

Neighbors  
Along the  
Line  
(Pharm, PC,  
Acute Care)

Bedlam  
Longitudinal  
(TFM)

# Bedlam Financing Model:



# Past Year in Bedlam:

- Total Visits to OU Bedlam Services = 27,799.
- This compares to 10,004 in 2005 and 16,512 in 2006.
- For this past year:
  - Bedlam had a total of 11,231 patient visits in Primary Care / School-based and Mobile Clinics.
  - Bedlam had a total of 14,201 patient visits in Evening and Longitudinal Clinics.
  - Bedlam made 4,201 referrals for specialty care – with 2,367 to OU Physician Specialists.
  - Uncompensated Care: \$ 1,606,996 per year or \$ 133,916 per month.
  - Uncompensated care in Bedlam is 10% of OU Physicians – Tulsa overall uncompensated care in OU Clinics.
- Patient Demographics:
  - 52% under 18 years old.
  - 54% female
  - 50% Caucasian
  - 27% Hispanic
  - 11% African American
- Patient Behaviors:
  - Bedlam continues to have a 96% compliance rate for treatment recommendations across all Bedlam programs.
  - Extremely appreciative patients.

# Bedlam 2006 – 2007 Progress

## **New Clinics -**

### 1. School-based Clinics

- Increased from 9 fixed sites to 16.
- Added - Alcott Elementary, McClure Head Start, Frost Head Start, Disney Head Start, Addams Elementary, Bryant Elementary, Choteau Elementary.
- Serving 32 schools.
- Now moving into middle school level services.

### 2. Longitudinal / Chronic Care Clinics

- 6 weekly clinics provide ongoing care for patients with chronic diseases referred from evening clinic.
- This is complex group of patients with multiple medical problems.

### 3. Tulsa Housing Authority

- Now with 2 apartment based clinics.
- Added East Central Village

### 4. Mobile Clinic – Sooner Schooner II

- Union and Tulsa Public Schools
- Housing Authority Clinics

### 5. Specialty Clinics

- Xavier Breast Cancer Clinic
- Optometry Clinic with NSU

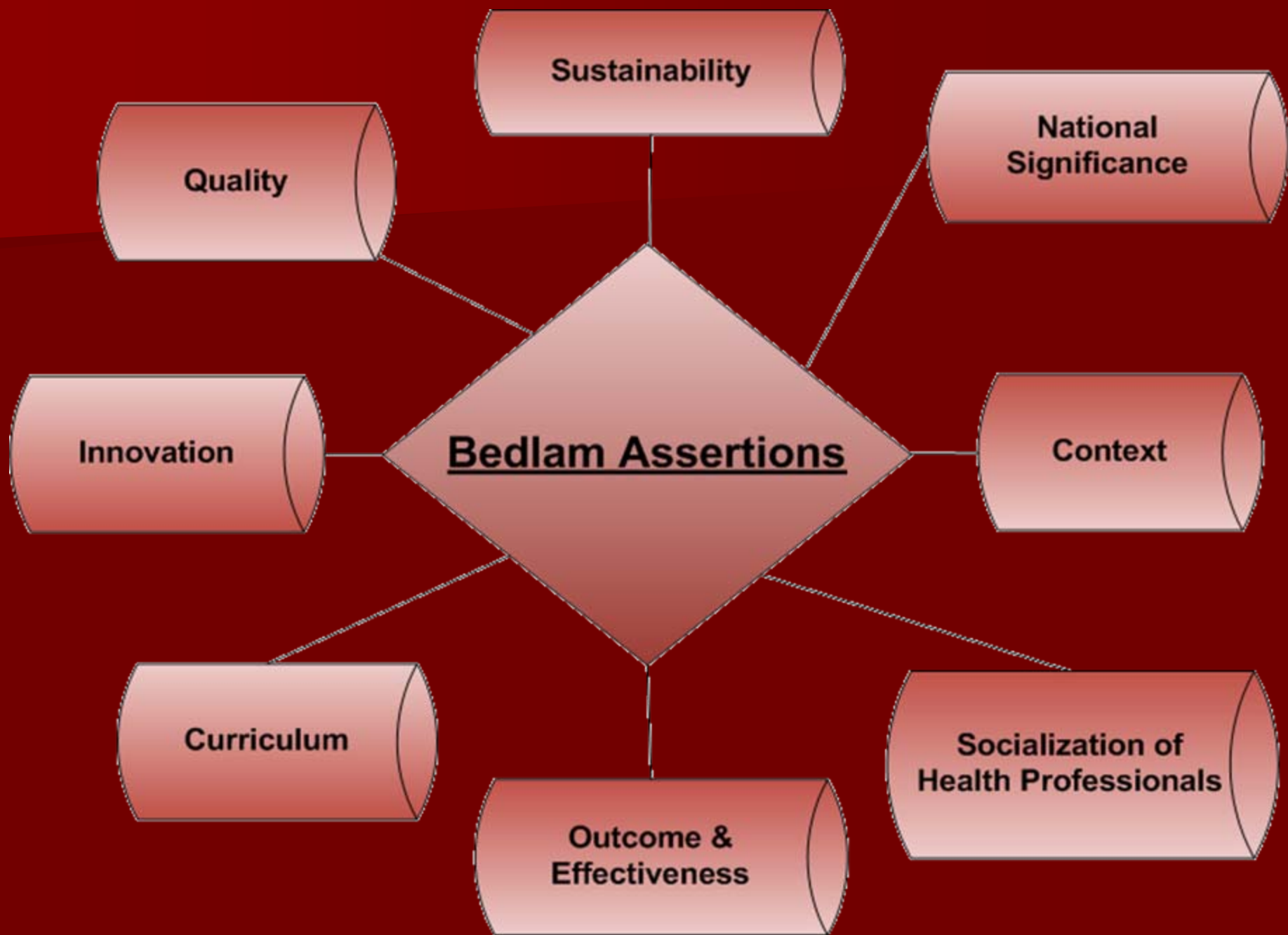
## **New Platform for Medical School:**

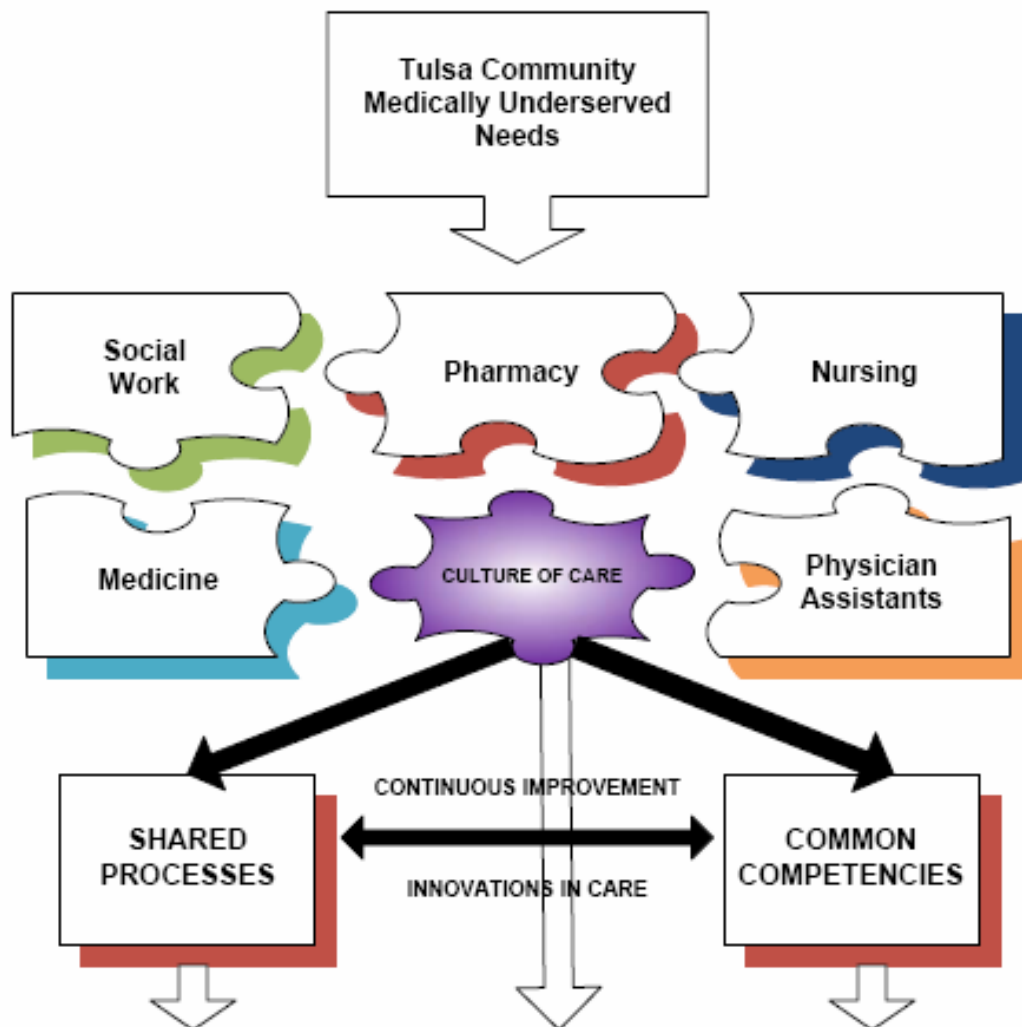
- 4 Year Medical School – “School of Community Medicine”.
- 4 times Blue Cross Champion of Health Award winner.
- National Recognition – contracted with Tulane, LSU and State of Louisiana to assist in rebuilding New Orleans Health Care System.



## Bedlam 2006 – 2007 Struggles

1. Temporary loss of “community school” contract for care of parents and siblings with TPS based clinics. Dramatically dropped degree of Medicaid capitation patient income.
2. Conflict between Medicaid contracts on what services need to be provided and what TPS lawyers will allow in school-based clinics.
3. Losing Medicaid capitation patients to OSU for West Tulsa Clinics.
4. Kendall Whittier – efficiency of EduCare and KW school clinics.
5. Roosevelt Elementary dropped as a fixed clinic site.
6. Support from Oklahoma Department of Health and getting some Bedlam services to FQHC status. To date – some individuals within department have been recommending to Federal officials to NOT approve our application.





- Ability to interact successfully within an inter-professional team
- Possess an understanding and appreciation of the different professions involved in health care settings
- Ability to listen to and appreciate contributions to care from multiple perspectives
- Understand the complexity of population health and the basic group process skills needed to successfully practice in this environment.
- Demonstrate a shift in attitudes toward the importance of serving the poor.
- Practice "at the top of their license" and appreciate the strengths and efficiencies of systems-based practice
- Ability to collaborate around improvement of services offered and delivered by Bedlam clinics.

# The Future of Bedlam & Evaluation Efforts to Date

- Bedlam @ 5 evaluation
- Future plans for services
- Continued evaluation, research & development



# Schusterman Center University of Oklahoma





