



UAMS

UNIVERSITY OF ARKANSAS
FOR MEDICAL SCIENCES



ANGELS: Telemedicine in Arkansas

How a successful specialty telemedicine program can support primary care

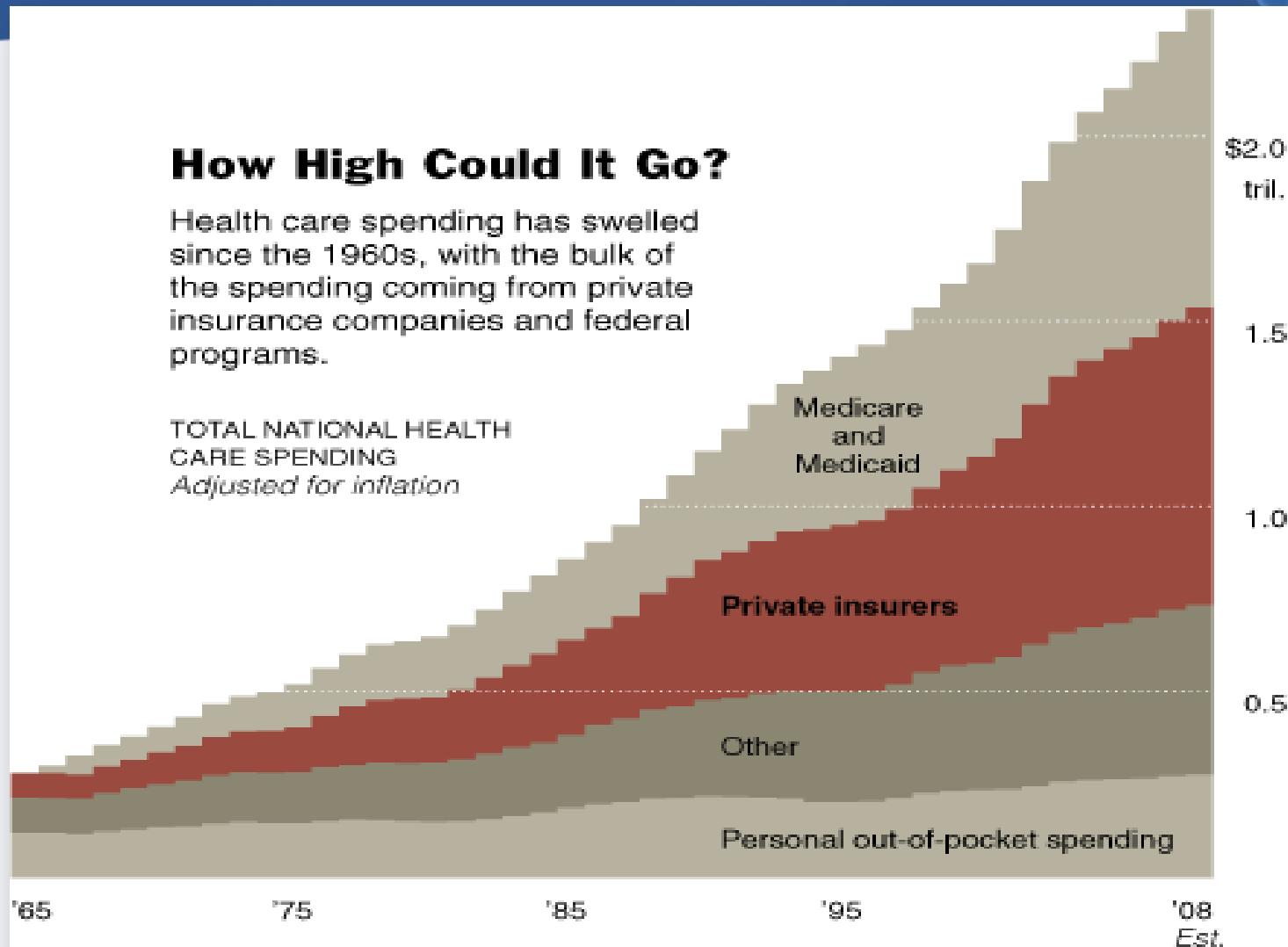
Curtis Lowery, MD, Chair of Obstetrics & Gynecology, UAMS

United States neared \$2.6 trillion in 2010, over ten times the \$256 billion spent in 1980

How High Could It Go?

Health care spending has swelled since the 1960s, with the bulk of the spending coming from private insurance companies and federal programs.

TOTAL NATIONAL HEALTH CARE SPENDING
Adjusted for inflation

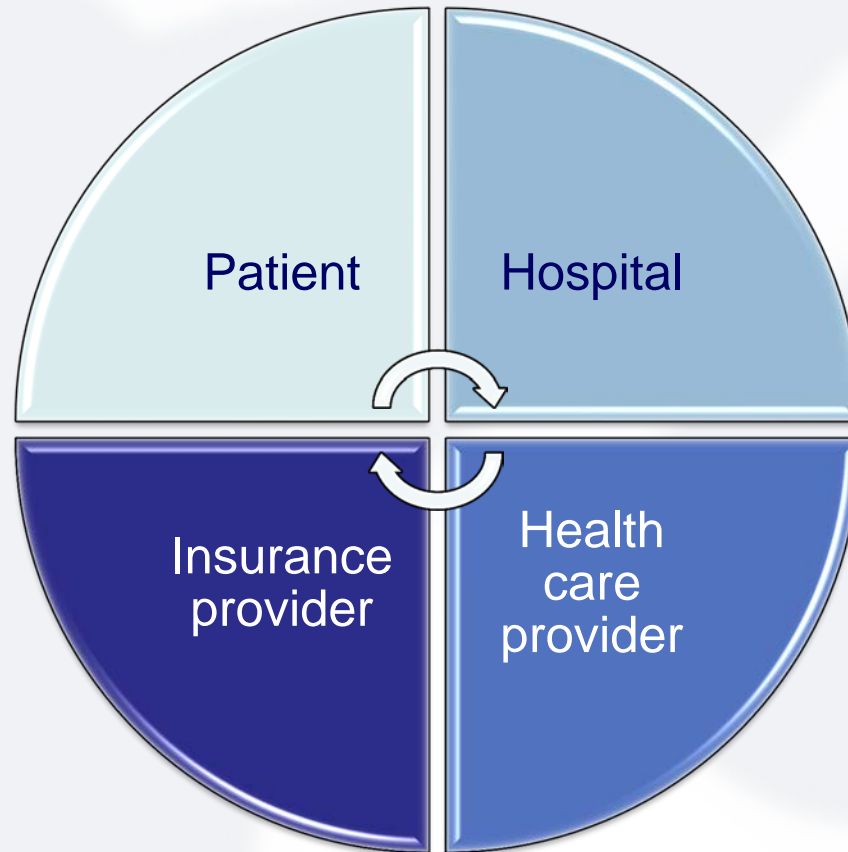


Out-of-pocket spending includes co-payments and deductibles. Other includes spending for the Department of Defense, Veterans Affairs, children's health and other programs.

Source: Centers for Medicare and Medicaid Services, Office of the Actuary

THE NEW YORK TIMES

Factors Driving Spending



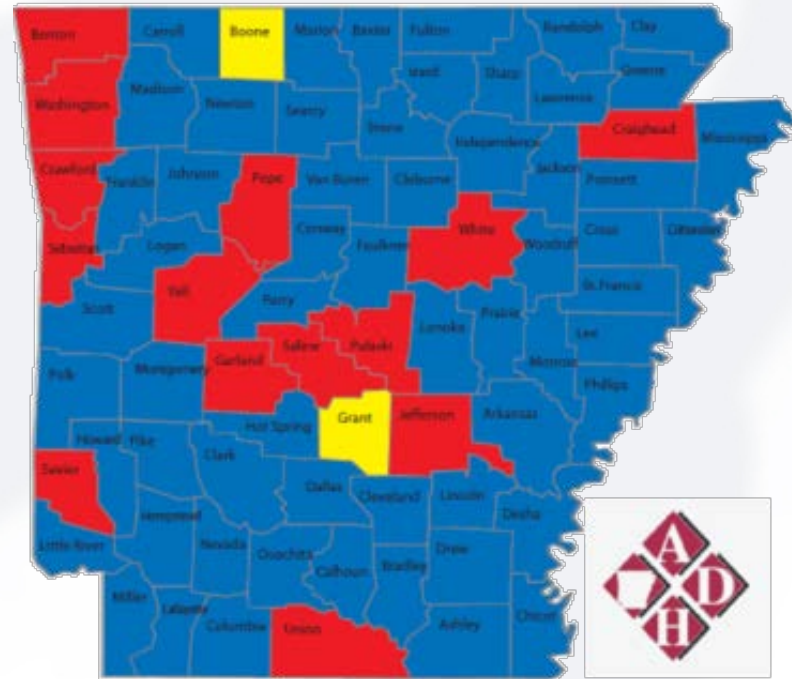
Health Care Disparity

***Where you
live
should not
determine
whether
you live
whether or
die!***



Medically Underserved Areas

In a state where 73 of 75 counties are designated as medically underserved, healthcare access is the most overwhelming reason for Arkansas' poor health standing.



- Entire County Designation
- Partial County Designation
- No Designation

© AR Dept. of Health and Human Services, 2006

How Nature Works



UAMS & ANGELS



- *Virtual care University*
- *Connected Around State*
- *Linked ERs*
- *Linked Ultrasounds*

ANGELS offers the resources of the state's only academic medical center into the rural communities of Arkansas impacting lives of rural women and providers.



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Funding of ANGELS

A federal Medicaid contract that began in 2003 with oversight by Arkansas Medicaid allows ANGELS to make specialized care a reality in rural areas through Telemedicine.

The overall goal is three-fold:

Decrease healthcare disparity

Save the state money

Increase quality of care

ANGELS Sites

Harris Hospital
Arkansas Methodist Medical Center
AHEC Pine Bluff
Jefferson Regional Medical Center
Mercy Medical Center
Millard-Henry Clinic
Pope County Health Department
Saint Mary's Regional Medical Center
White County Medical Center
Miller County Health Department
Southwest AHEC
Wadley Regional Medical

Delta Memorial Hospital
Medical Center of South Arkansas
AHEC South Arkansas
Northwest AHEC
Washington Regional Med Center
Willow Creek
Fort Smith AHEC
St. Edward's Mercy Medical
Sebastian County Health Department
Sparks Health System
North Arkansas Regional Medical Center
Delta AHEC
Helena Regional Med Center
Hempstead LHU
National Park Medical Center
St. Joseph's Mercy Health Center
Willow Creek Women's Center
Northeast AHEC
St. Bernard's Medical Center
Chicot Memorial Hospital
Arkansas Children's Hospital
St. Vincent's Medical Center
UAMS
Mena Medical Center



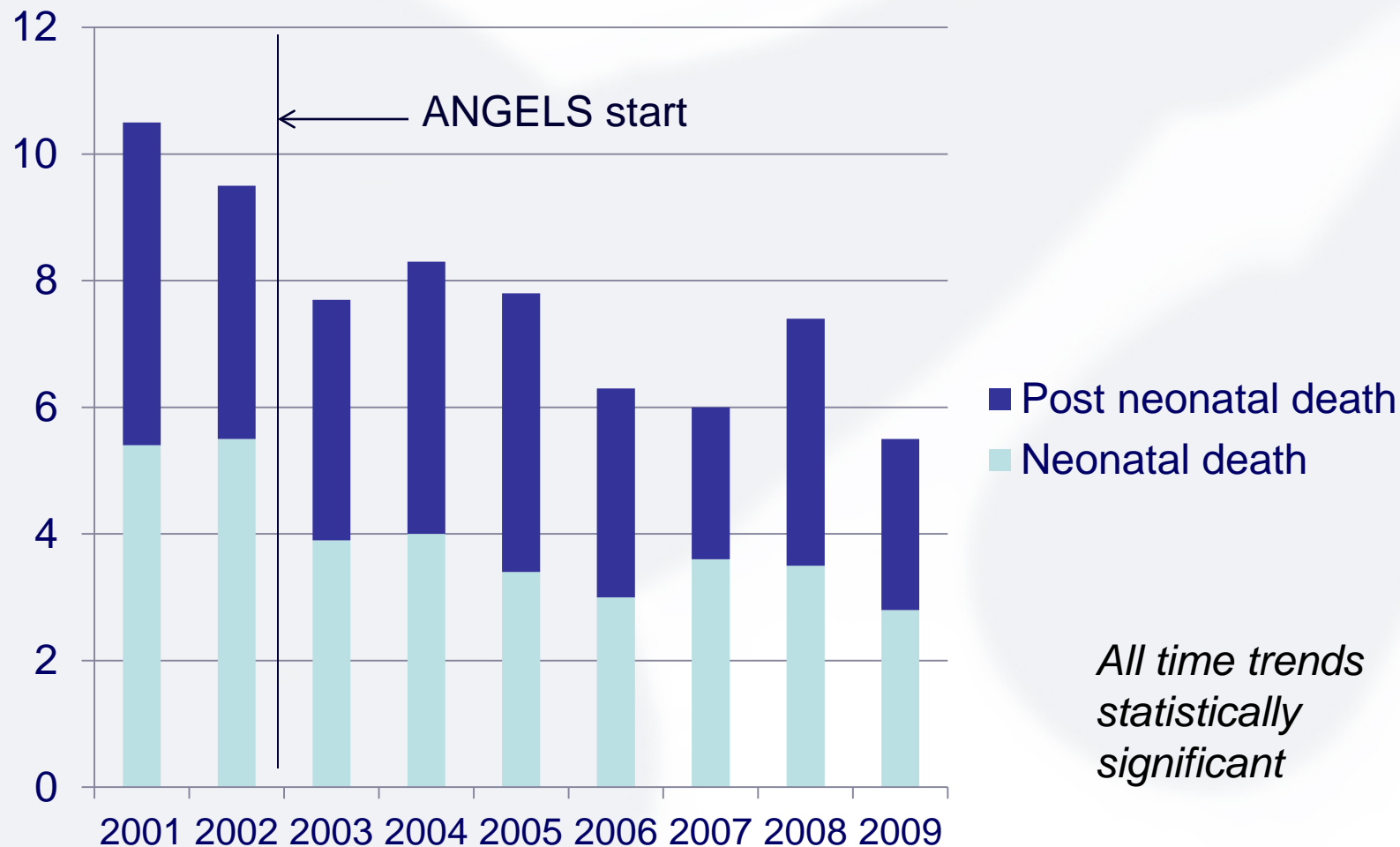
A composite image featuring a blue stethoscope in the foreground and a satellite map of a coastal area in the background. The stethoscope is positioned diagonally, with its chest piece in the upper right and its earpieces extending towards the lower left. The background is a satellite map showing a coastline with a prominent bay or inlet. A small red location pin is visible on the left side of the map, near a yellow area that might represent a beach or a specific land use. The overall image has a blue and white color scheme, with the map showing natural colors like green and brown.



Subspecialty Health Care Access



Mortality per 1000 *Medicaid Maternity Population*



Relation to Primary Care



ANGELS exists as an example of the benefits that could be extended into primary care.



Virtual Handholding
for Local PCPs

Fractional
Ownership for
PCMH

Virtual Resources

- Subspecialists access
- Allied health providers
 - Diabetic educators
 - Pharm D
 - Speech pathologists
- Connections to Large Networks
 - Education
 - Business support



ANGELS Primary Care

Sickle Cell Telemedicine Program



Virtual ED support



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Thank you



For more information

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ANGELS

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Sustainability of Telemedicine

- Infrastructure support
 - Cost redistribution
 - Outsourcing
 - Increasing Members
 - Hospital infrastructure
- Provider support
 - Reduction in traditional Fee/Service
 - Payment for originating site
 - Efficiency driven care
 - New kinds of contracts
 - Less/Loss= Profit
 - Sharing providers hospitals
 - New provider types (NOT Just DOCTORS)

