## INTRODUCTION

Objective: This study explores health care disparities in rural America, with particular emphasis on rural communities in South Carolina. We describe the demographics of rural communities, the degree to which
rural citizens are at risk for health disparities, and some of the unique rural citizens are at risk for health disparities, and some of the unique halicy recome , of state-wide data, and interviews with key individuals.

Definitions: According to the Office of Management and Budgets, a "metropolitan" area is a city with greater than 50,000 people. Anything non-metropolitan is considered rural, so according to this definition a city with less than 50,000 people is rural.
In figure 1 , showing the demographics of rural America and South Carolina, we see that a surprising high percentage of surface area in the US is indeed considered rural.

Figure 1


US Burcau of Census; Office of Management and Budget, 1998.
Disparities in healthcare between rural and urban residents are well documented. Not only do rural residents as a whole have less access to healthcare, but also have worse health outcomes due to a delay in getting appropriate care. Rural residents have higher rates of uncontrolled diabetes, higher death rates from acute MIs and higher rates of being uninsured than their urban counterparts, although differences by race and ethnicity exist (See Figures 2-4).
 Diabetes Without Complications per 100,000
Population, by Race




Source: Agency for Healthcare Research and Quality,
"Fact Sheet on Health Care Disporitits in Rural Areas:
Selected Findings From the 2004 National Selected Findings From the 2004
Heatitcorar Disparties
Keport."
 Micropolitan=10,000 to 50,0000
not metropolitan or micropolitan.

Figure 4. Poople Under Age 65 With Any
Period of Uninsurance in Past Year, by Period of U
Ethnicity

## METHODS

A literature review was performed to determine the definition of rural and identify rural health disparities and in addition, raw data was analyzed from the SC State Budget and Control Board. The remainder of the information for this poster was collected mainly patients and healthcare providers and community leaders and patients an foral health advocates for rural health.

## RESULTS

We discovered that the main barriers to healthcare for rural residents are transportation, lack of education, and low income/lack of health insurance, and access to specialists (Figure 5). Therefore, in an effor to work towards parity in rural healthcare, we have attempted not only to document the aforementioned causes of the problems, but also to offer solutions to help solve them.


## 1. Transportation

Factors Affecting Rural Residents:

- $67 \%$ lower socioeconomic class
- $43 \%$ less likely to own a vehicle
- $40 \%$ higher injury rates
- more chronic health conditions

Transportation Issues:

- $80 \%$ rural areas have no public bus service
$40 \%$ rural population lives in area without any
type of public transportation system federal dollars for public transportation of federal dollars for public transportation on rural area
Rural Policy Pesearch Institute www.rupri.org
Rural barriers to attending Diabetes Self Management Education

Figure 6


## 2. Education

Rural Citizens and their education (See Figure 6): - less likely to receive preventative screening services - minorities visit health care providers less often and receive less education because of limited access to high quality speciaty care and specialists. limilic equality educational facilities public educational system is under funded, which facilities are often outdated certified teachers, and the facilities are often outdated and poorly maintained higher percentages of high school drop

- tend to be less likely to have attended/graduated fr com from colleges/universities
it's important to remember that "access is not everything. ducation starts at childhood to change ingrained al health policy maker at SC's ural Health)


## 3. Access to Specialists

Patients in rural areas travel $\mathbf{2}$ to $\mathbf{3}$ times farther to see medical and surgical specialists than those living in urban medical and surgical specialists than those living in urban 39 SC counties have mental health professional shortage reas; all 46 SC counties have dental health professional shortage areas | $\begin{array}{c}\text { shortage areas. } \quad \text { (US Department of Health and } d \text { Human Services; HRS } \\ \text { Figure } 7\end{array}$ |
| :---: |



Charsston county


## 4. Cost and Insurance

-Although $15.7 \%$ of the US population was without - health insurance coverage in 2004, approximately $\cdot 20 \%$ of rural residents were uninsured. (Figures 8 and 9 ) Health insurance and income level: - "For the most part, rural = poorer. The most frustrating thing about caring for a poor, rural population is that they are poorly funded and a majority lack insurance or means to pay for the care they need. - from a Family Medicine Doctor in Kingstree, SC
There is a larger prevalence of uninsured citizens in rural communities than in urban communities. Each day in rural SC, 112 people receive medical services that they cannot pay for

- Medicare and Medicaid accounted for $55 \%$ of rural inpatient hospitalization payments in 1999 Medicaid pays for a larger portion of emergency room visits and hospitalizations in rural SC than


## 4. Cost and Insurance (continued)

## The rising costs of healthcare are

## due to the following:

- Advancements in technology population, increased obesity, etc.)
Increases in healthcare provider costs (mainly in-patient hospitalization, office-based visits and prescription costs) (www.ahrq.gov)


HEALTH POLICY RECOMMENDATIONS

1. To Resolve Transportation Issues Incorporate the use of Healthcare Coaches:
Make transportation arrangements

- Provide referrals
- Make appointments for patients

2. To Resolve Education Issues

- Explore collaborative, university based specialty consults for rural community healthcare centers. - Reform funding mechanism for public education

3. To Resolve Specialist Issues Extend scholarships and grants for healthcare providers willing to practice in rural areas Explore feasibility of using telemedicine to provide primary care practitioners in rur
. To Resolve Cost/Insurance Issues - Rural communities tend to have a prominent number of small businesses therefore it would be beneficial to implement the program to help insure the employees of those small businesses The South Carolina Small Employer Health Plan provides a state-wide small employer coverage option that covers all employees in a group

- (wuws.covertheuninnsureasc.org onicy.asp), individuals/families who are underinsured - State or federal government health insurance reform

