132nd NACNEP Meeting

Population Health:

Issues and Perspectives from the Rural and Frontier



John E. Cech, PhD

Deputy Commissioner of Higher Education Montana University System

Special Recognition to:

Kris Juliar

Director
Office of Rural Health
Montana State University

Dr. Casey Blumenthal

Vice President Montana Hospital Association

Donna Greenwood

Associate Professor
Community and Public Health Nursing
Carroll College

Susan Skillman

Deputy Director
Center for Health Workforce Studies
University of Washington

Definitions - Frontier

Category I

States with more than 15% of their population in frontier counties or with a total frontier population of greater than 250,000

(If a county has a population density of less than seven persons per square mile)

A Look at Category I Counties Meeting Frontier Status

Wyoming: 18

Alaska: 21

Montana: 47

South Dakota: 39

North Dakota: 37

Idaho: 22

Other Category Designations

Category II: States with 5-14% (NM, UT, NV, NE, KS, AZ, CO, and TX

Category III: States with 1-4% (OR, ME, MN, WA, OK, and CA)

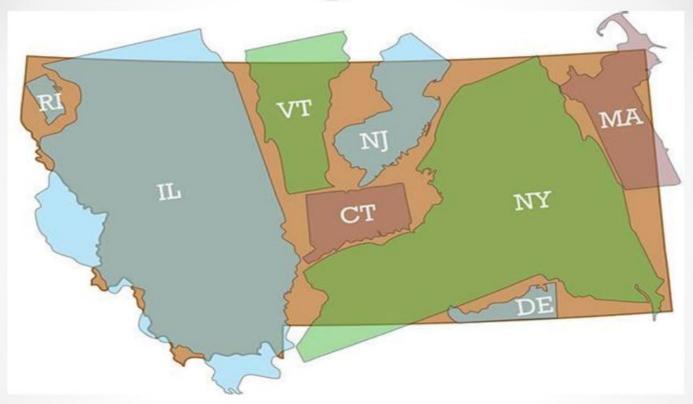
Category IV: States with less than 1%: (MI, MS, VA, FL, GA & NY)

Source: http://www.wiche.edu/MentalHealth/Frontier/letter22.asp

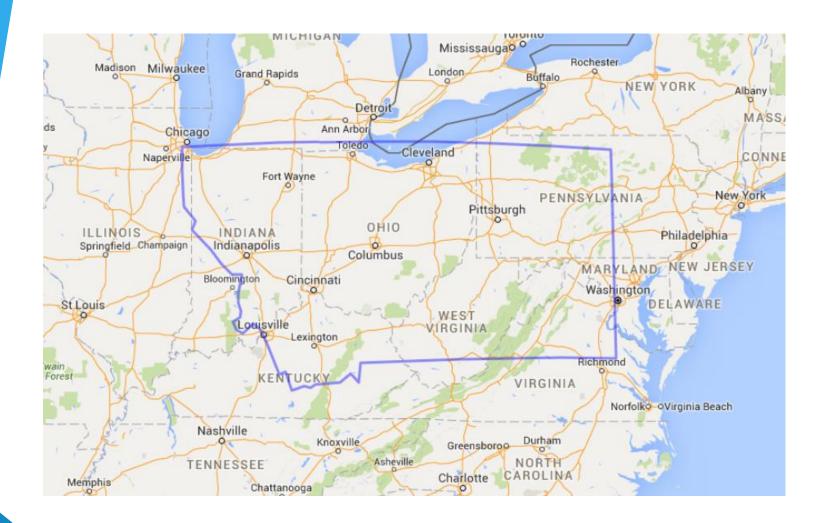
A Look at a Frontier State Montana

- 147,555 square miles with 1 million people
- 6.8 persons per square mile
- 53% of the State's population lives in rural or frontier areas
- 56 counties with 45 classified as frontier
- Montana has 64 acute care facilities spread far and wide in rural areas
 - 48 have been converted to Critical Access Hospitals (25 beds or fewer)

Just how big is Montana?



Population of 9 east coast states – 50 million, Population of Montana – 1 million



Distribution of Physicians in the U.S.

Primary care physicians (2005):

Urban 87% Rural 13%

Generalists per 100,000 population:

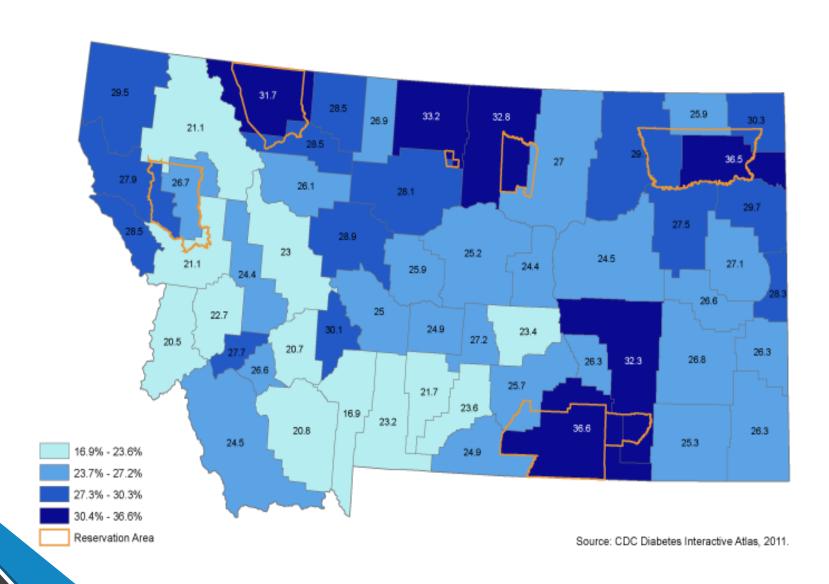
Urban 72 Large Rural 61

Small Rural 59 Isolated Small Rural 36

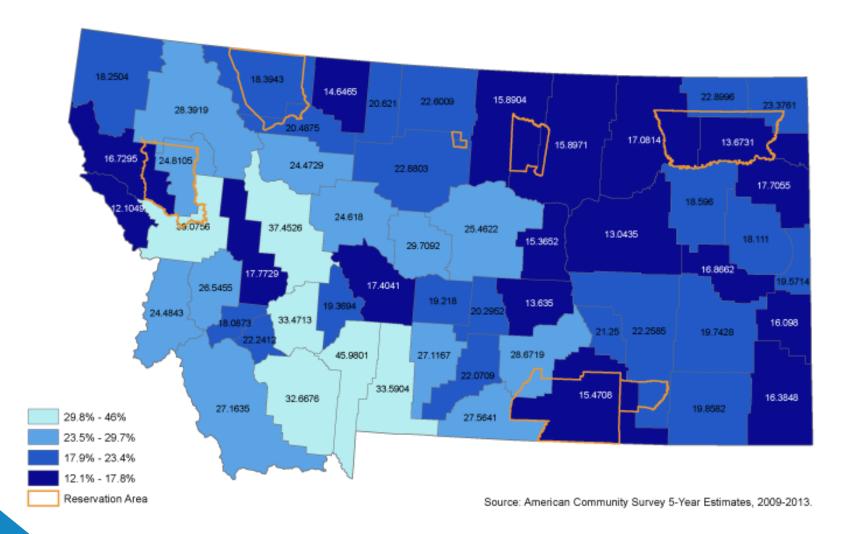
Source: University of Washington Rural Health Research Center. (2007) 2005 Physician Supply and Distribution in Rural Areas of the United States.

http://depts.washington.edu/uwrhrc/uploads/RHRC%20FR116%20Fordyce.pdf

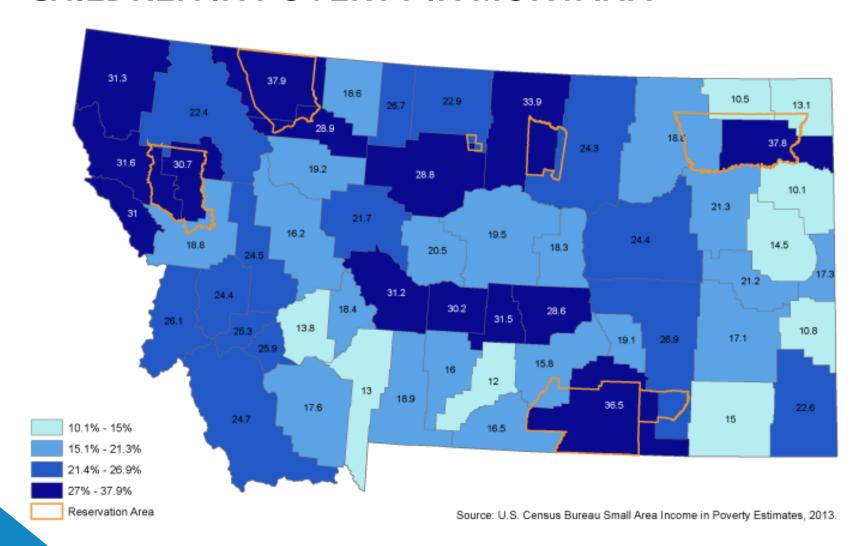
DISPARITIES IN HEALTH CONDITIONS: OBESITY RATE IN MONTANA



EDUCATION = HEALTH B.A. DEGREE OR HIGHER IN MONTANA



A GOOD START IN LIFE MATTERS: CHILDREN IN POVERTY IN MONTANA



Rural and Frontier Health Challenges

- Less likely to have employer-provided health care coverage
- Rural poor less likely to be covered by Medicaid
- Residents must travel long distances to seek specialized treatment
- Per capita income is lower than urban counterparts
- Residents more likely to live below poverty level

More Rural and Frontier Health Challenges

- Increases in health care costs have disproportionate effect
- Residents facing shortage of health care providers
- Health Professional Shortage Area
- Likely to lack mental health services (especially for children)
- Recruitment challenges

More Rural and Frontier Health Challenges

- Nurses, whether BSNs or ADNs, <u>may be the only</u> or one of the only healthcare providers in a frontier setting
- Residents rely on <u>non-hospital based</u> care settings for greater proportion of healthcare
- Public Health Nurses (PHN) must have broad-based knowledge and have the ability to improvise

"Nurses often have to try and patch care together in rural communities where there is a complete lack of post-hospital services. There is likely no home health care of either a skilled or custodial nature, no hospice, and maybe even not a skilled nursing facility that can accommodate a long-term stay"

- *Dr. Casey Blumenthal*, Vice President, Montana Hospital Association

Montana Specific Challenges

- Overcome most significant barrier recruitment of all healthcare personnel to rural/frontier
- Nine Montana counties are without a single physician
- Twelve Montana counties lack a single primary care physician
- Difficulties recruiting and retaining skilled healthcare workers
- Sites tend to be low resource environments with fewer professional development opportunities

Idaho Study

- 15 PHNs who worked in one-nurse offices (15 different counties)
- Counties ranged in population from 2,781 to 28,114 (mean = 11,013)
- County land masses ranged from 450 to 8,485 sq miles (mean – 3,753)

Idaho Study: Summary

- Strong job satisfaction
 - Benefits of autonomy
 - Variety and close community ties
- Frustrations
 - Communication with outside world
 - Feeling out of the loop
 - Communication with other nurses mostly by email/phone

Voices from the Frontier of Montana

What do we hear in Montana – from the MT Office of Rural Health/AHEC

Regional AHECs are conducting multiple needs assessments with small rural communities (critical access hospitals, employers, community organizations)

Findings:

- Move away from hospital-based services focus on improving health throughout the community
- Nurses cradle to grave care vs. specialized focus
- Advising and collaborating with community partners to address the whole person – housing, food, mental health, education
- Picking up the slack in communities with no or limited home health care services <u>impacting</u> their ability to carry out public health roles

Some recommendations from Montana:

- Expand nursing education to include health/population skills at the beginning of the nursing education continuum
- Expansion of rural sites for nursing curriculum & rural training experiences
- Address salary concerns for nurses working in rural/frontier areas
- Create more incentive programs for nurses of all backgrounds (e.g. loan repayment)
- More funding and incentive for masters prepared RNs

Some recommendations from Montana:

- Greater recruitment of rural students into nursing programs
- Create new continuing education strategies for nurses working in rural and frontier areas (focus on pop health)
- Create new e-networking opportunities for frontier nurses
- Address funding levels for public health at the local level
- Increase knowledge of financial aspects/budgets in nursing education or as continuing education
- Promote public health nursing as a career opportunity

National Rural Health Association (NRHA) Recommendations

- Increased resources for rural and public health preparation in nursing education programs
- Strengthening of partnerships between rural and public health agencies and nursing education programs to promote public health nursing recruitment, CE, and research
- Establishment of minimum education standards for public health nursing practice
- Need for enhanced incentive programs, such as a loan repayment programs designed to attract well educated, diverse nurses to rural public health practice

NRHA Recommendations

- Development of creative distance education strategies (accessible PD and CE)
- Exploring strategies to encourage rural young people to pursue nursing careers
- Develop better communication and technological support for rural areas
- Address funding issues to support quality and equitable public health services for rural populations, including support for increasing salaries

Questions?