

### Center for Rural Health Established in 1980, at The University of North Dakota (UND) School of Medicine and Health Sciences in Grand Forks, ND · One of the country's most experienced state rural health offices • UND Center of Excellence in Research, Scholarship, and Creative Activity · Home to seven national programs • Recipient of the UND Award for Departmental Excellence in Research Focus on - Educating and Informing Policy Research and Evaluation - Working with Communities - American Indians - Health Workforce - Hospitals and Facilities ruralhealth.und.edu 2



Center for Rural Health
The Importance of Values
Ultimately our values guide our perceptions toward health,
health care, our view of the importance of "community",
and the development of public health policy
"It is not what we have that will make us a great nation, it is how we decide to use it"
Theodore Roosevelt
"Vision is the art of seeing things invisible"
Jonathan Swift
"Americans can always be relied upon to do the right thing...after they have
exhausted all the other possibilities"
Sir Winston\_Churchill



What is this whole "community thing" and rural health?

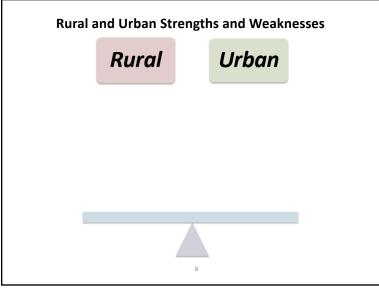
#### What Is Rural Health?

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- Rural health focuses on population health ("community") and improving overall health status for rural community members
- Rural health relies on infrastructure the organizations, resources, providers, health
  professionals, staff, and other elements of a health delivery system working to improve
  population health (the rural health delivery system)
- Rural health is not urban health in a rural or frontier area
- Rural health focuses on heath equity and fairness
- Rural health is very COMMUNITY focused and driven interdependent and collaborative
- Rural health is inclusive of COMMUNITY SECTORS 1) health and human services, 2) business and economics, 3) education, 4) faith based, and 5) local government
   Center for Rural Health

Rural Health The University of North Dakota School of Medicine & Health Sci

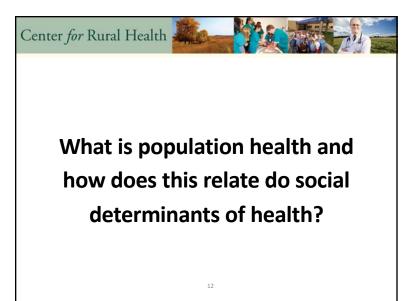


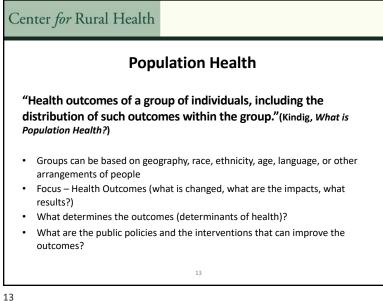


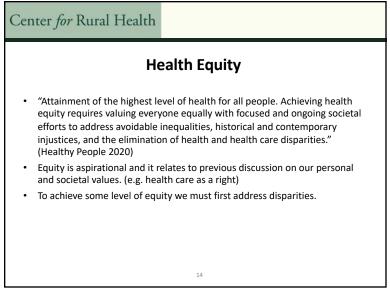
### Center for Rural Health Why is Community Engagement Important to Rural Health for Population Health Improvement · Health care providers and organizations cannot operate in isolation • The US Health System is Changing, in fact it has changed - new payment models - movement from volume payments to value based payments as more and more providers are assessed and reimbursed on outcomes and patient satisfaction. ND Rural Health Value and RRHVN • Community members input on needs, issues, and solutions more critical than ever community involvement in finding solutions (CHNA) that reflect their needs - community ownership not just the health providers. • Building local leadership and local capacity - think of the next generation of community leadership. • Communication – listening to the community – educating the community. 9 9

Center <i>for</i> Rural Health				
		Rural ND on a Pathway to Value (Structural Changes for Population Health)		
•	No	th Dakota Rural Health Value (ND RHV)		
	0	CDC Health Equity funds –CRH over \$3 million -5 projects.		
	0	Volume to Value is one – 2022-2023.		
	0	ND RHV – U of. IA, Stratis Health, HealthPoint Health – 1 year project.		
	0	5 CAHs intensive, all 37 overview, Environmental Scan, Community Engagement, modeling of ND CAH data on various value models.		
•	Rou	igh Rider High Value Network.		
	0	23 CAHs – independent (will grow)		
	0	Non-Profit.		
	0	Maintain independence and autonomy but work as a network.		
	0	Shared services -new services difficult for one hospital to establish on own.		
	0	Joint purchasing.		
	0	Develop value-products/process, prepare for contracts		
	0	Population health focus – improve health, better care, lower cost		









## Center for Rural Health

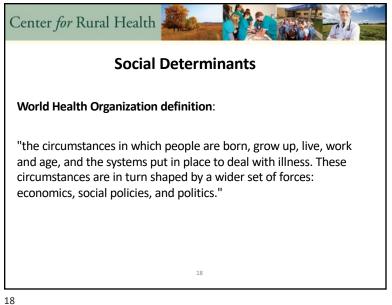
### **Health Disparity**

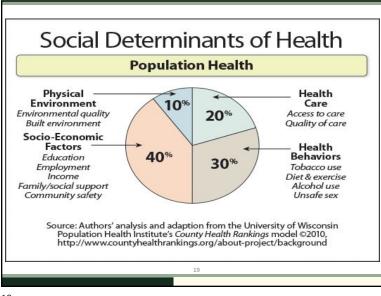
- "a particular type of health difference that is closely linked with social, economic, and/or environmental disadvantage. Health disparities adversely affect groups of people who have systematically experienced greater obstacles to health based on their racial or ethnic group; religion; socioeconomic status; gender; age; mental health; cognitive, sensory, or physical disability; sexual orientation or gender identity; geographic location; or other characteristics historically linked to discrimination or exclusion." (Healthy People 2020)
- Social Determinants of Health are factors to consider.
- We work to address SDOH to address disparity so as to achieve health equity and to improve population health (very simple <sup>(C)</sup>).

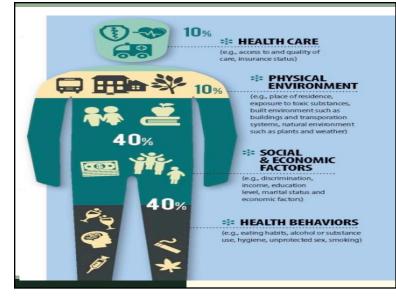
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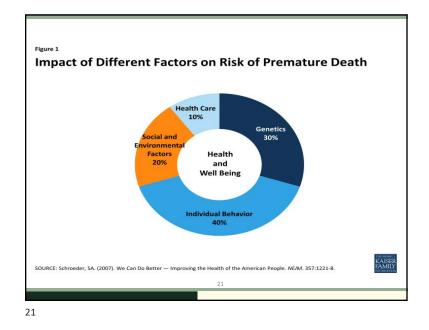
Outside Health Care System	Related to the Health Care System		
Societal Factors	Care Delivery	Regulatory Environment	
Societal Pactors Food Safety Health food availability Housing conditions Neighborhood violence Open space and parks/recreation availability Genetic inheritance Disease prevalence Income levels Poverty rates Geographic location Unemployment rate Uninsured/underinsured rate Median age Sex Race/ethnicity Pharmacy availability Care-seeking behaviors Health literacy Patience choice Morbidity rates Transportation availability	Quality of care     Efficiency     Access     Physician training     Health IT system availability     Distance to and number of     hospitals, primary and urgent     care centers, retail clinics, etc.     Provider supply (MDs, RNs, etc.)     Physician mix (primary versus	Regulatory Environment           • Medicare payment rates and policies           • Medicare and Medicaid care delivery innovation           • CON regulation           • Medicaid/CHIP policies (payment rates, eligibility)           • Implementation of ACA           • Local coverage determinations (LCDs)           • Other local, state, and federa laws that impact the way health care is delivered and which treatments are provided	

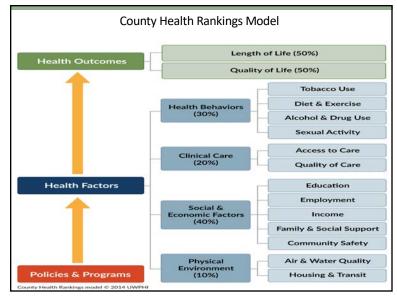




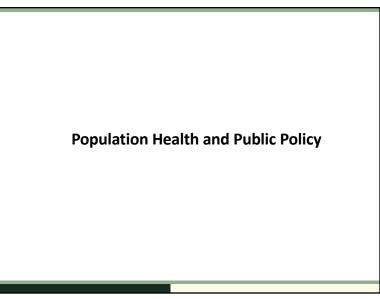






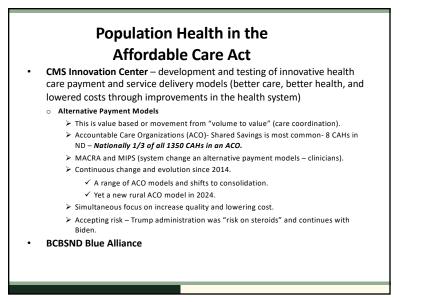


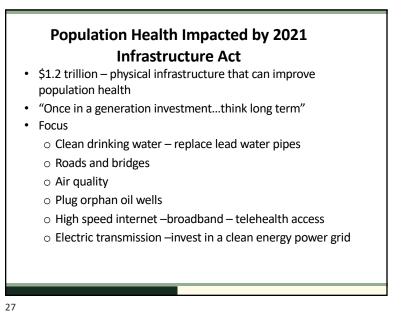




# Population Health in the Affordable Care Act (2010)

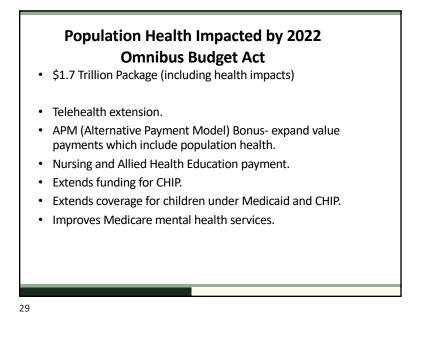
- Provisions to expand insurance coverage by improving access to the health care delivery system (Medicaid expansions, state insurance exchanges "Marketplace", support for community health centers, NHSC, safety net)
- Improving the quality of the care delivered (National Strategy for Quality Improvement, CMS Center for Medicare and Medicaid Innovation, and establishment of the Patient-Centered Outcomes Research Institute)

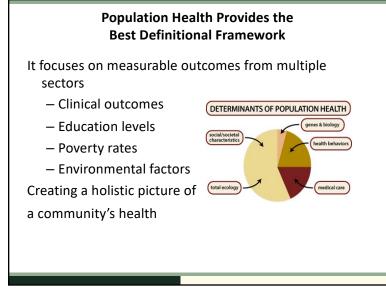




Population Health Impacted by 2022 Inflation Act

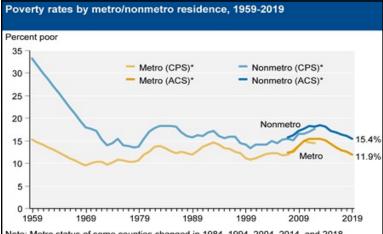
- Lower prescription costs Medicare –cap of \$2,000 yearly.
- Insulin cost capped at \$35 a month (Medicare) and no deductible.
- Medicare can negotiate prices with drug manufacturers.
- Lower health insurance costs in Marketplace. Caps on out of pocket costs
- Reduce carbon emissions by 40 percent.
- Reduce deficit minimum large business tax.





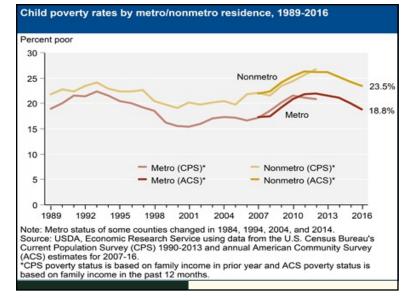




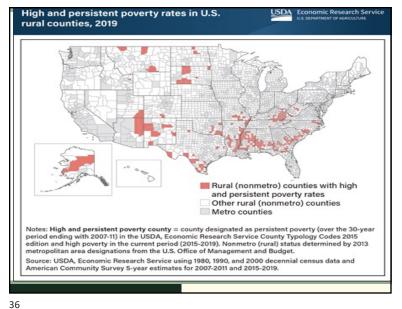


Note: Metro status of some counties changed in 1984, 1994, 2004, 2014, and 2018. \*CPS poverty status is based on family income in prior year and ACS poverty status is based on family income in the past 12 months. Sources: USDA, Economic Research Service using data from U.S. Department of Commerce, Bureau of the Census, Current Population Survey (CPS) 1960-2013 and

annual American Community Survey (ACS) estimates for 2007-19.



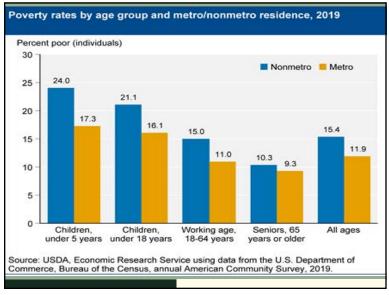


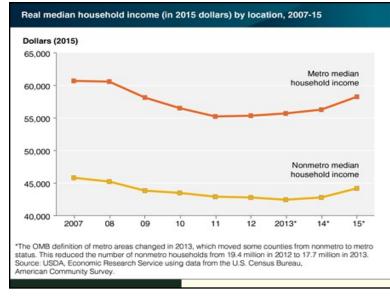


### **SDOH for Rural American Indian and Alaska Natives** Rural American Indian/Alaska Native (AI/AN) populations experience • both personal and community disadvantages. In 2016, rural AI/AN were: • More likely to live in poverty (29%) than their rural white peers (10%). o More likely to live in counties falling into the highest quartile in the US for the proportion of households in poverty (61% or rural AI/AN rural residents versus 46% of rural white residents). • More likely to live in persistent poverty counties (37%) of rural AI/AN versus 9% of rural white residents). $\circ~$ Rural Al/AN adults were much more likely to live in counties where > 16% of the population lacked health insurance (55% versus 19%). • Rural AI/AN age adjusted mortality rates were higher than those of white residents. $\circ$ $\;$ Prevalence of self reported poor/fair health was 23% for Al/AN versus 16% for $\;$ white residents. • Higher obesity – 35% vs. 31%. • (Source: Rural and Minority Health Research Center, University of South Carolina, July 2019). Center *for* Rural Health iversity of North Dakota of Medicine & Health Sci

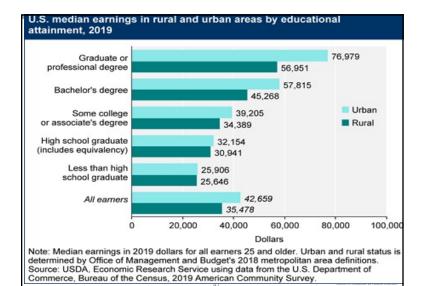
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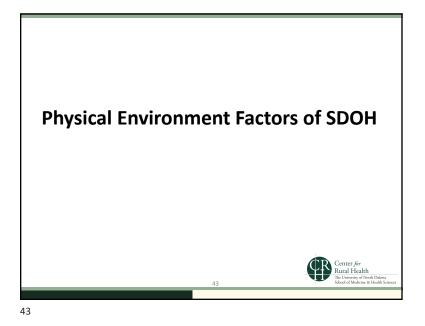




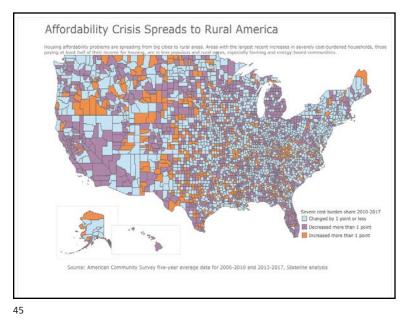


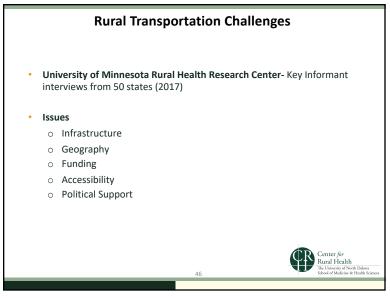






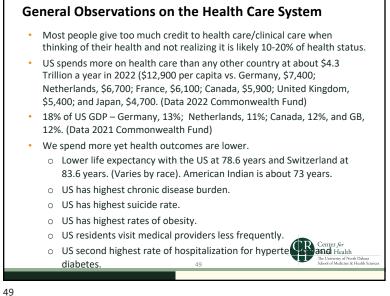
#### **Rural Housing Challenges** Some of the key housing concerns that impact health include: Plumbing and wastewater systems (or lack thereof), which can impact water quality • and contribute to illness. Heating and cooling methods, which impact indoor air quality and safety, for . example through the use of kerosene heaters. Lack of smoke alarms, carbon dioxide, and carbon monoxide detectors. • Weatherization needs and energy costs, which impact whether a house can be . maintained at a temperature healthy to its inhabitants. Safety concerns such as lead-based paint, mold, and pests. . Overcrowding, which can spread communicable disease and also negatively . influences issues such as substance abuse and domestic violence. Rural minorities are twice as likely as non-Hispanic whites to live in substandard . housing. Rural renters are more likely to live in substandard housing and to experience . multiple housing problems related to affordability, quality deficiencies, and crowding, compared to rural homeowners. (Source: Rural Health Information Hub -RHI Hub The University of North Dakota School of Medicine & Health Sci

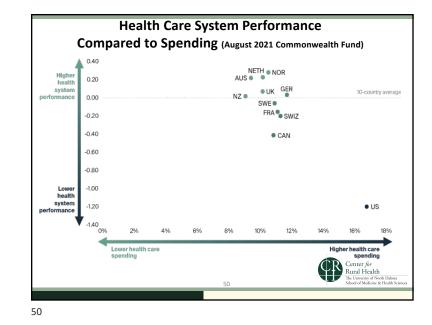
















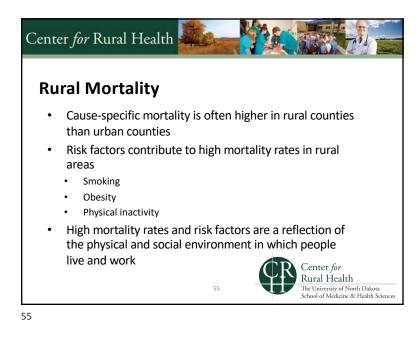
### **General Observations on Rural Health Behaviors**

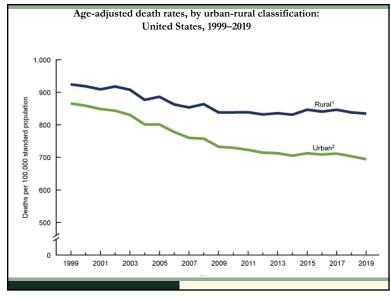
- Health behaviors include activities like physical activity, diet and nutrition, social engagement, safety, avoiding tobacco and other harmful substances, and other actions that contribute to general health and quality of life (Determinants of Health in Rural Communities, Henning-Smith).
- Rural have **limited access to healthy food** and fewer opportunities to be physically active compared to urban.
- Rural residents higher rates of smoking, higher risk jobs, higher sedentary life style, and lower rates of maintaining healthy body weight (Henning-Smith).
- Can lead to greater rates of obesity, high blood pressure, diabetes, and cancer.
- Can lead to higher rates of poor health outcomes and mortality (Henning-Smith).
- Consider how socio-economic, physical, and heath care all influence health
   behaviors.



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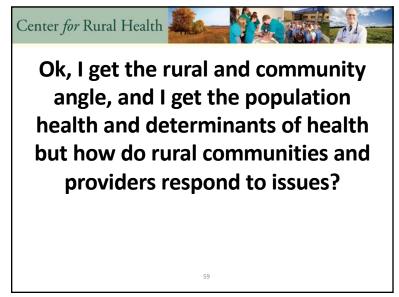






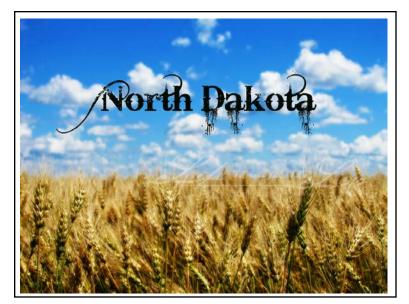


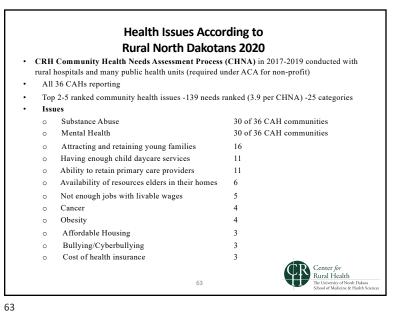




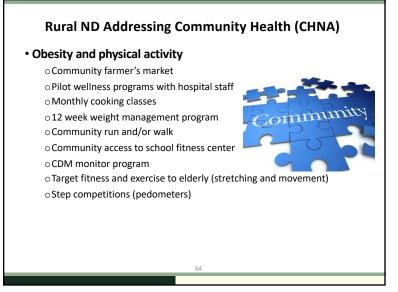








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### Rural ND Addressing Community Health (CHNA)

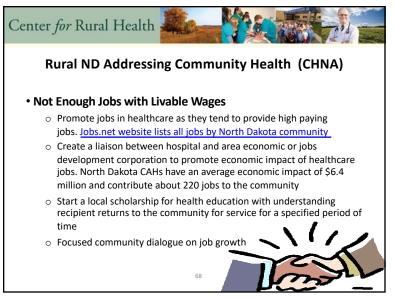
#### Healthcare workforce













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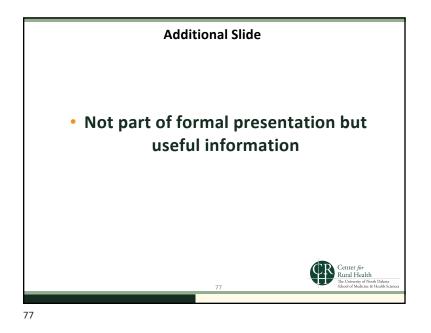






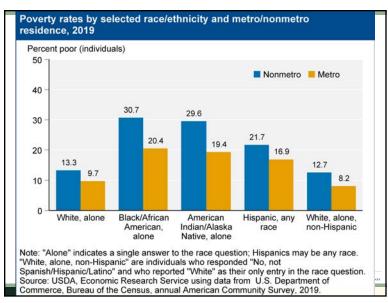


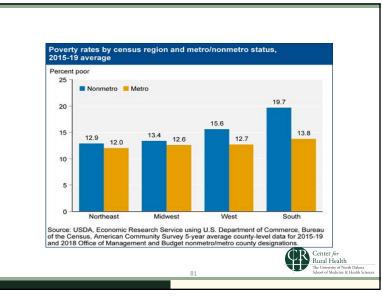


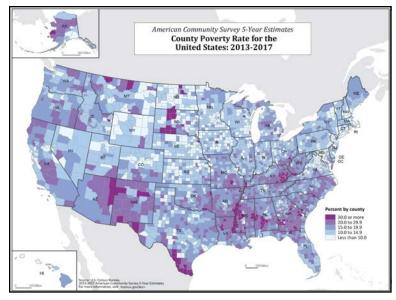


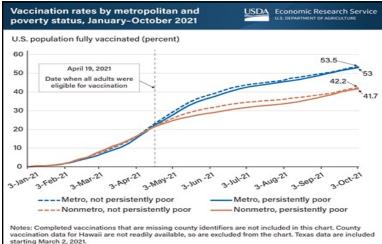












starting March 2, 2021.

Sources: USDA, Economic Research Service using 2015 County Typology codes and data from the U.S. Centers for Disease Control and Prevention, Texas Department of State Health Services, and the U.S. Census Bureau's 2020 decennial census.



