



September 28, 2021

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Department of Health Management and Policy

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#### Themes to Explore

- What do we want a rural health system to be?
- What challenges do provider systems and communities face?
- What are the headwinds of change?
- How does rural health emerge on the other side?





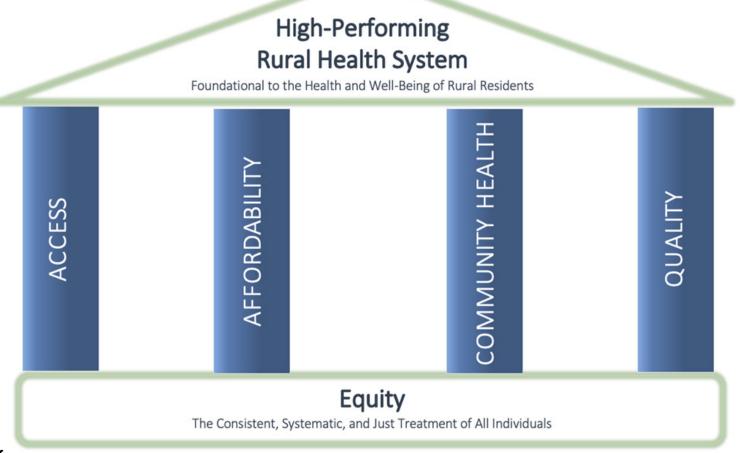
#### What Do We Want?

- Framework developed by Health Panel in 2011, updated 2021: The High-Performing Rural Health System
- The RUPRI Health Panel envisions rural health services that are affordable and accessible for all rural residents through a sustainable health system that delivers high quality, high value services. A high-performing rural health system informed by the needs of each unique rural community and population groups will improve community health and well-being.





### Pillars of a High-Performing Rural Health System





#### **How Do We Get There?**

- Keep the goal of sustainable system achieving those pillars in all planning
- Requires the "bandwidth" to develop integrated systems of care
- Means dealing with the present to achieve the future
- So, first things first





#### Major challenge: A Pandemic

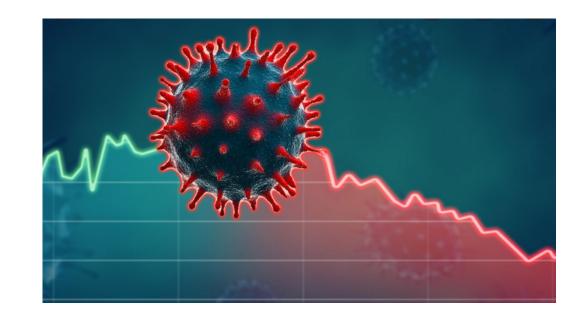
- The Challenges to rural communities and healthcare delivery
- Highlights important role of services currently provided by rural hospitals
- Building from what we learn in responding to this emergency:
  - It is public health
  - It shows us the capacity to absorb increases in demand is more than one place at a time





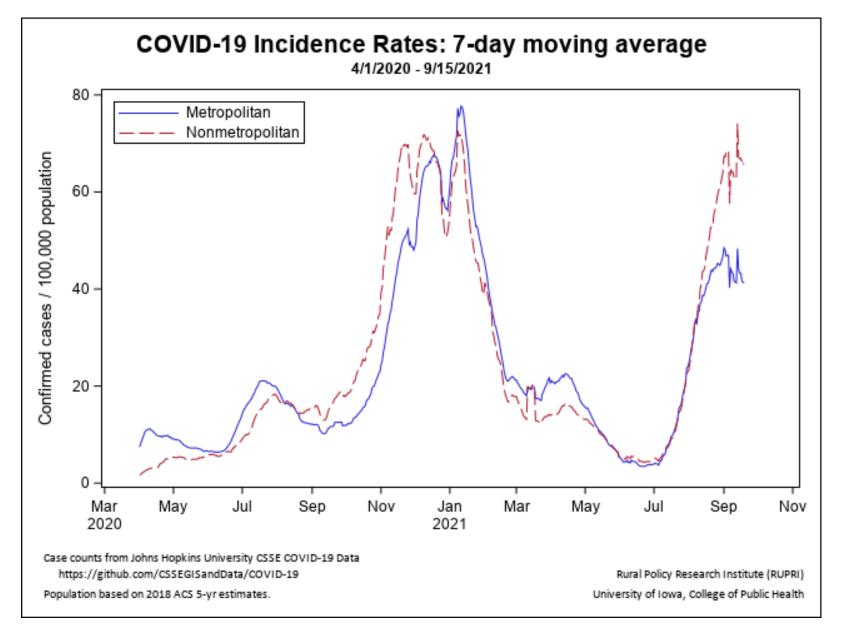
### The Challenge of COVID-19

- Data on the incidence rates,7-day moving average
- Data on the death rates, 7day moving average
- Maps of the Midwest states



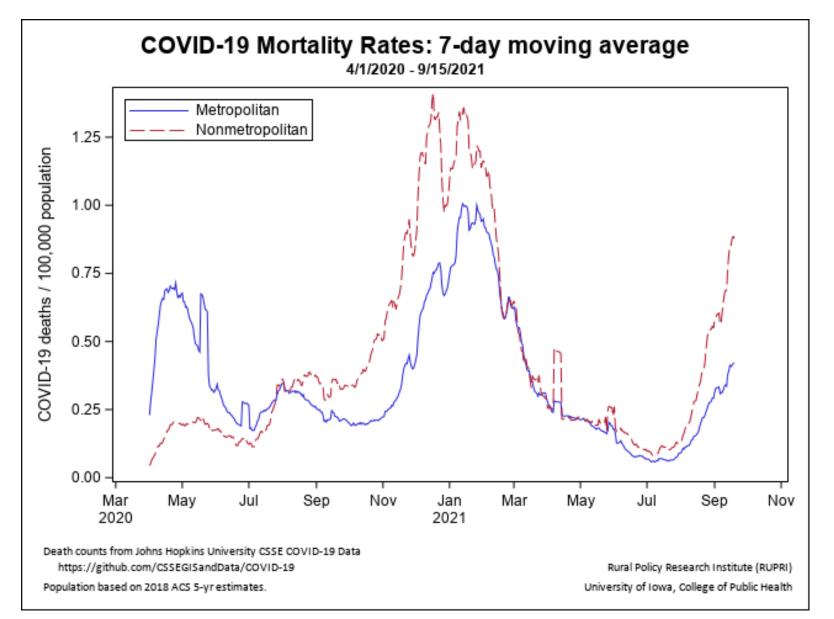












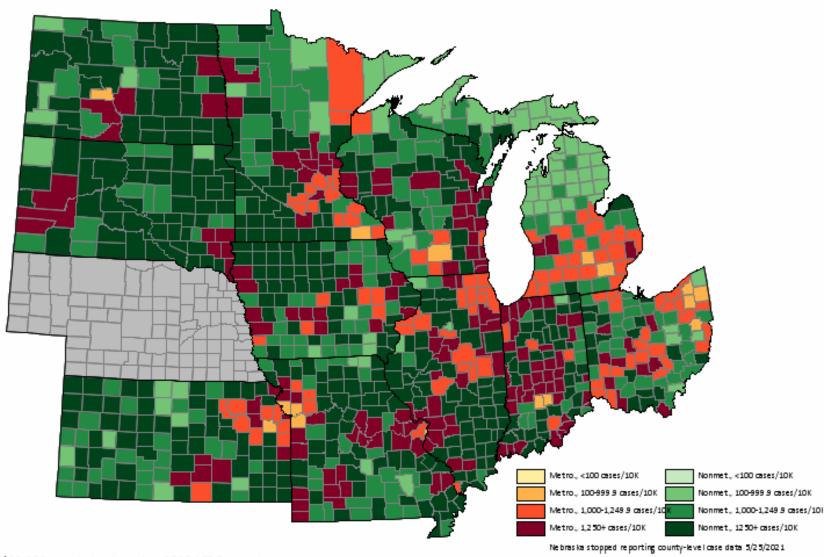




#### Midwest Counties with COVID-19 Cases

September 19, 2021

Metro cases: 6,494,514 Nonmetro cases: 1,962,938 \*Metro rate: 234.61 Nonmetro rate: 425.96





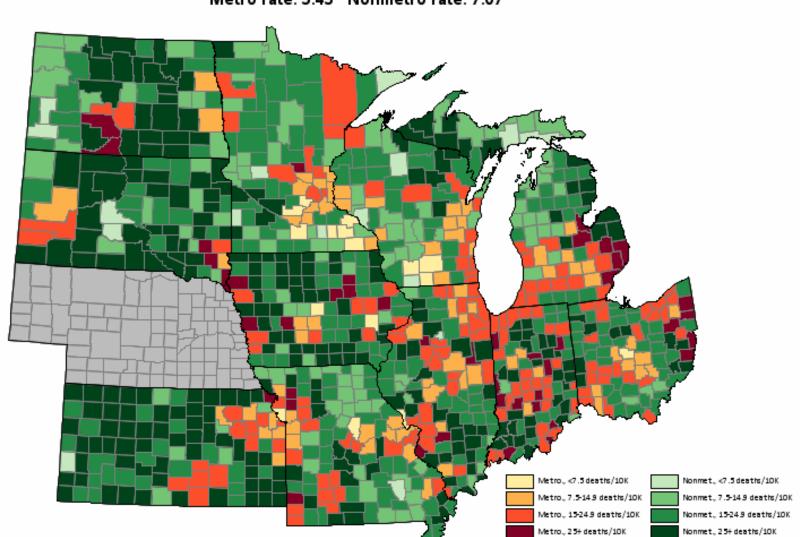
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\* Confirmed cases / 10,000 population based on 2018 ACS 5-yr estimates. Rural Policy Research Institute (RUPRI) University of Iowa, College of Public Health

#### Midwest Counties with COVID-19 Deaths

September 19, 2021

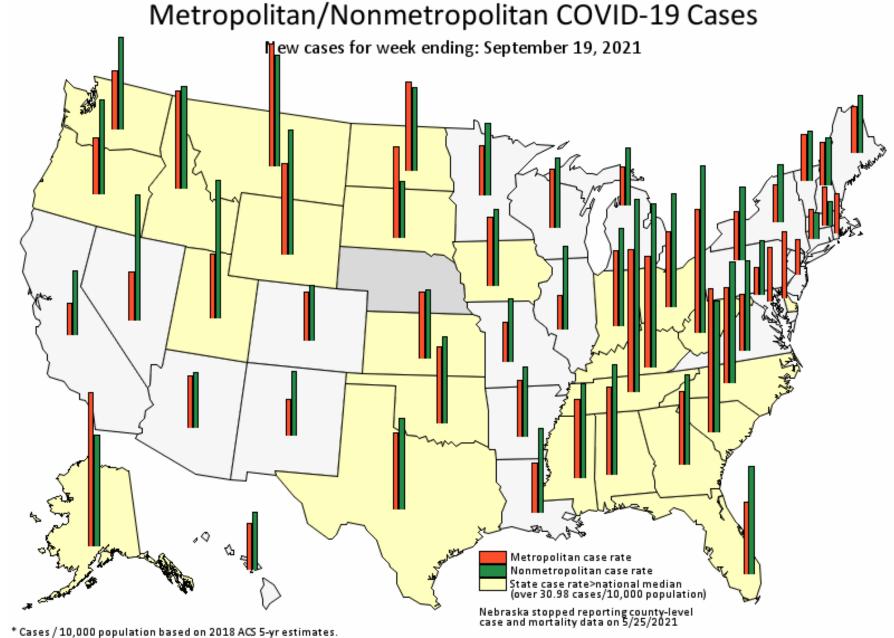
Metro deaths: 95,518 Nonmetro deaths: 32,597 \*Metro rate: 3.45 Nonmetro rate: 7.07





Ne bras ka stopped reporting county-level case data 5/25/2021

<sup>\*</sup> Deaths / 10,000 population based on 2018 ACS 5-yr estimates. Rural Policy Research Institute (RUPRI) University of Iowa, College of Public Health





\* Cases / 10,000 population based on 2018 ACS 5-yr estimates.
Rural Policy Research Institute (RUPRI)
University of Iowa, College of Public Health

# Meeting the Challenge: ICU Bed Capacity



Multiple resource challenges, including equipment (ventilators) and personnel (general nursing, specialists)



Capacity of the facilities to treat advanced cases



Measure the availability of ICU beds





Table 1. General Medical and Surgical Beds and COVID-19 Confirmed Cases

	Counties medical a		_	Counties with general medical and surgical beds					
County Type	Counties	Total Pop.¹	COVID Cases <sup>2</sup>	Counties	Total Pop.¹	COVID Cases <sup>2</sup>	Median Cases/ bed	Counties w/ 1+ case/bed	
Metropolitan (n=1,166)	226	6.26M	4,237.4	940	256.19M	189,839	0.55	209	
Nonmetropolitan (n=1,976)	460	4.71M	2,818.3	1,516	41.59M	24,373	0.33	167	
Nonmetropolitan, micropolitan (n=641)	77	1.04M	600.3	564	26.12M	15,893	0.46	93	
Nonmetropolitan, noncore (n=1,335)	383	3.67M	2,218.0	952	15.47M	8,480	0.26	74	

<sup>1.</sup> Population based on 2010 decennial census.





<sup>2.</sup> Average daily new cases Jan. 9 - Jan. 15 based on data obtained from Johns Hopkins University COVID-19 Data Repository

Table 2. Medical/Surgical ICU Beds and COVID-19 Confirmed Cases

, ,		nties with 'surgical IC		Counties with medical/surgical ICU beds					
County Type	Counties	Total Pop.¹	COVID Cases <sup>2</sup>	Counties	Total Pop.¹	COVID Cases²	Median Cases/ bed <sup>3</sup>	Counties w/ 1+ case/bed	
Metropolitan (n=1,166)	383	12.48M	8,034.3	783	249.96M	186,042	3.69	742	
Nonmetropolitan (n=1,976)	1,207	16.42M	9,361.3	769	29.87M	17,830	2.46	630	
Nonmetropolitan, micropolitan (n=641)	171	4.09M	2,455.1	470	23.07M	14,038	2.91	416	
Nonmetropolitan, noncore (n=1,335)	1,036	12.34M	6,906.1	299	6.80M	3,792	1.90	214	

<sup>1.</sup> Population based on 2010 decennial census.

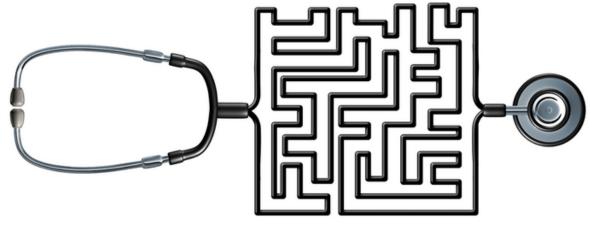




<sup>2.</sup> Average daily new cases Jan. 9 - Jan. 15 based on data obtained from Johns Hopkins University COVID-19 Data Repository

### **Key Issues for Hospitals**

- Capacity to treat
- Managing interruptions in traditional revenue streams
- Adapting to new claims and new technologies

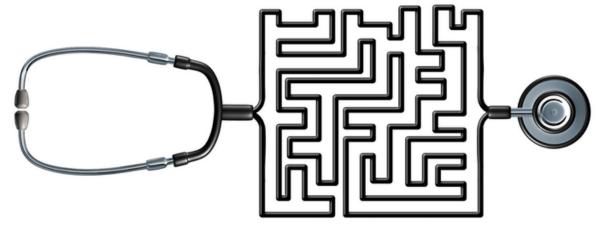






#### **Key Issues for Hospitals**

- Treating underserved populations, including those lacking insurance coverage: rural hospital is the safety net provider in the community for acute care services
- Taking on public health functions







#### The Big Picture

- Nexus of clinical care and public health
- Intersection of public and private policies with demands on healthcare system
- Challenges to models of integrated care
- Challenges to the pillars of the highperforming rural health system





## A more lasting challenge: Behavioral Health

- Higher rates of suicide among rural residents: 19.7 per 100,000 compared to 12.7 per 100,000 among urban residents – deaths of despair
- Higher rates of alcohol-related behavior among rural youth, including binge drinking and driving under the influence of alcohol
- Prevalence of drug use higher opioids, heroin, prescription medications, and methamphetamines (meth)





### **Context: Subpopulations at High Risk**

- Women: double rates of depressive symptoms compared to urban women; higher rates of illicit opiate use
- Children and adolescents: ages 2-8 with higher prevalence of mental, behavioral, or developmental disabilities (18.6 percent vs. 15.2 percent; more likely to exhibit high-risk behaviors
- Veterans: experience higher rates of mental health issues than general population







### **Context: Subpopulations at High Risk**

- Minority, Ethnic, American Indian, and Alaska Native Populations
- Older Adults dealing with issues in transportation, social isolation, shortages of geriatric behavioral health specialists
- Individuals with Co-occurring conditions







### **Consequences of Higher Prevalence**

- Increased risk of substance use disorder because of underlying behavioral health issues
- Impacts on families
- Exacerbating other chronic conditions
- Demand for services on systems with limited capacity
- SUD and overdose leading to death, exposure to HIV and hepatitis C virus



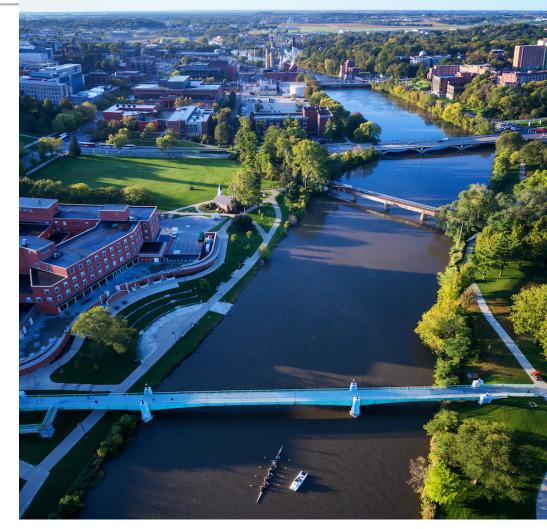


## **Challenging Times**

- Ongoing Opioid and Meth crises
- Economic Dislocation (predates COVID-19) and associated stress levels
- COVID-19 and associated uncertainty clouding immediate and near term future







#### Service Needs: Access Challenges

- 1. Accessibility and Availability: personnel, facilities, technology
- 2. Acceptability: culturally appropriate care
- Affordability: inclusion in insurance coverage; costs of deductibles; cost of medication
- 4. Stigma: stereotypes and visibility of seeking services





# **Services: Element of Comprehensive and Continuous Care**

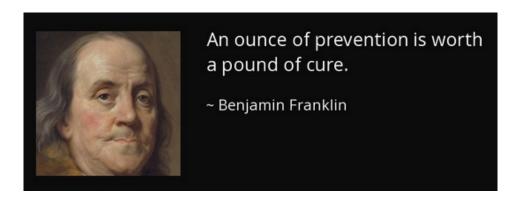
- Community engagement in comprehensive approaches
- Addressing emergent needs
  - Early identification from a variety of organizations including law enforcement, schools, churches, local businesses
  - Collaborations across community organizations to address underlying economics, quality of life in the community (alternatives for personal activities)
  - Counseling (discrete)
  - Longer term needs: support alternative delivery modalities, including peer-to-peer





#### **Prevention**

- Addressing harmful alcohol use through legal means and community education
- Reducing access to lethal means of suicide
- School-based social and emotional learning programs
- Community-based parenting programs
- Training programs to help identify people with mental illness







#### **Treatment and Recovery**

- Integration of behavioral health and general medical care
- Regionalizing services; including use of tele-behavioral health
- Self-help groups in recovery
- Peer recovery services



# Meet the challenges to health amidst changing delivery and finance models

- Pandemic and ongoing behavioral health crisis demonstrate critical need for high-performing system
- These accentuate ongoing challenges in workforce, appropriate use of medical technology, maintaining facilities, integrating services
- Layer on new delivery modalities that may be helpful, or not: telehealth, outpatient procedures, in-home care
- And, last but not least, changes in financing from volume-based feefor-service to value-based payment and global budgets





### Value-based Care and Payment

- Shift emphasis from individual encounter to repair damage to population-based model to prevent damage
- Shift financial risk from a model of insurance reserves absorbing all losses to providers accepting financial risk for keeping "enrolled lives" healthy
- Means changing payment and finance to population-based revenue streams to create incentives to invest in population health





#### **Scary to Change**

- Inertia supports status quo system built to generate volume of services with payment tilted to high-acuity encounters (specialists in hospital settings)
- Healthcare organizations built financial models on that basis, thinking they had control because of negotiated prices for discrete services
- Example of how to think about local hospitals





#### Scary to Stay the Same

- Pandemic exposed weaknesses to old models
- Cannot assume ability to proceed regardless of cost (to individuals, communities, society)
- Headwinds of system consolidation as way of getting to scale could threaten rural systems





#### **Potential for the Future**

- Redirecting a significant percent of over \$3 trillion from much of the waste of unnecessary services and overhead to investments in the health of people in communities
- Redesigning local systems with renewed emphasis on primary care
- Using the advances in technology to bring services to people instead of forcing people to travel long distances to services





# Building Blocks for the High-Performing Rural Health System

- Appropriate use of telehealth
- Primary care as the foundation
- Integrating clinic inside the walls with community-based services outside the walls







# Building Blocks for the High-Performing Rural Health System

- Addressing workforce needs across the continuum
- Use of information systems to integrate patient care; local, regional and beyond
- Community coalitions to address individual and population needs







#### **Policies to Get Us There**

- Regulatory policies to allow changes to delivery models
- Learning from changes made during public health emergency, especially in telehealth
- Adapting new models to rural circumstances, such as Accountable Care Organizations
- New models for rural places, such as Rural Emergency Hospitals and Accountable Health Communities





#### **Addendum: A Myriad of Specifics**

- Accessible on the RUPRI Health Panel web site:
  - www.rupri.org/focus-areas/health/
  - In policy briefs and papers
  - Also in comment letters
- See other organizations: National Rural Health Association,
   American Hospital Association are examples
- Bipartisan Policy Center "bonus" slides follow





# Confronting Rural America's Health Care Crisis: Bipartisan Policy Center Rural Health Task Force Recommendations

Department of Health Management and Policy

Keith J. Mueller, PhD, Task Force Member
Presented in the Roundtable on Population Health,
National Academy of Medicine
June 25, 2020
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#### Acknowledgements

- The Leona M and Harry B Helmsley Charitable Trust provided generous support in funding the work of the Rural Health Task force
- Members of the Honorary Congressional Task force on Rural Health provided special insight: Senator Chuck Grassley (R-IA), Senator Tina Smith (D-MN), Senator Bill Cassidy (R-LA), Senator Angus King (I-ME), Congressman Jodey Arrington (R-TX, and Congresswoman Xochitl Torres Small (D-NM)





#### About the Task Force and Process

#### Task

Task force an array of expertise in rural health delivery, finance, and policy – co-chaired by former U.S. Senators and state Governors

#### Support

Support from highly capable staff

#### Process

Process included roundtables with additional experts and stakeholder groups; site visits; and with congressional staff





# Essential to Health Care Providers Participation in Population Health



Financial stability: short term



Financial sustainability: long term



Flexibility in using resources, including healthcare workforce



Incentives and flexibility: new models of finance and delivery



Infrastructure support





#### Financial Stability: Hospitals

- Sequestration relief (accomplished for immediate term, committee would extend through FY 2023)
- Increase critical access hospital payment 3%
- Re-establish CAH necessary provider designation process
- Make designation of Medicare Dependent Hospitals permanent, and adjustment for low volume rural hospitals





### Financial Stability: Other Providers

- Payment for rural clinicians reporting data under the Quality Payment Program
- Extend bonus payments for new advanced Alternative Payment Model participants
- Leverage patient engagement incentives to decrease rural bypass and incentivize local care utilization





### Financial Stability Long Term

- Grants and loans for capital infrastructure: modify service lines or improve structure or patient safety
- Payment for rural health clinics and expand access to advanced practice clinician services in RHCs
- Increase Medicare-capped reimbursement rate for physician-owned RHCs
- Exclude enrolled accountable care organization beneficiaries when determining regional benchmark in rural areas





#### Flexible Use of Resources

Clarify	Clarify rules around co-location or shared space agreements that allow rural hospitals to partner with other health care providers
Allow	Allow advanced practice clinicians to work up their state scope of practice in RHCs
Exempt	Exempt rural Medicare beneficiaries from prohibition against sameday services
Remove	Remove regulatory and legislative barriers that prevent non-physician providers from practicing at the top of their license





### Incentives and Flexibility

- Establish a process for rural facilities and communities to develop a Hospital Transformation Plan
- New models
  - Rural and Emergency Outpatient Hospital designation
  - Extended Rural Services Program
  - Global budget models
- Decrease qualifying participation thresholds for rural providers in Alternative Payment Models





### Infrastructure Support

- Prioritize connecting rural areas with broadband through anchor institutions and direct-to-home services
- Ensure effective implementation of the Broadband Deployment Accuracy and Technological Availability Act
- Use of telehealth services supported by changes in payment, eligible providers, sites of service, and eligible services – all were included in COVID-19 related legislation and regulatory change; now task is extending beyond current pandemic





#### Additional Recommendations

- Increase number of rural-specific CMMI demonstrations and expedite national expansion of promising models
- Reduce administrative burden for rural providers: use readily available claims data for quality performance
- Improve access to quality maternal care in rural areas (4 specific recommendations)
- Improve utilization of currently available workforce (5 specific recommendations)





#### Additional Recommendations

- Strengthen the Health Resources and Services Administration rural workforce programs (2 specific recommendations)
- Expand federal rural workforce recruitment and retention initiatives (four specific recommendations)
- Authorize licensed clinicians to provide inter-state services to Medicare beneficiaries
- Direct the Office of the National Coordinator for Health Information Technology to prioritize rural-specific training curricula for the health IT workforce





# Necessary Conditions to Address Population Health

- Financially secure delivery system, with predictability
- Payment systems supporting engaging in community-driven population health programming
- Flexibility for how the system is built and how professionals practice and interact
- Flexibility for how patients (persons) interact with a range of providers
- BPC Task Force recommendations are building blocks





# For More Information

- The Task Force Report:
   https://bipartisanpolicy.org/report/confronting-rural-americas-health-care-crisis/
- Bipartisan Policy Center health portfolio: <u>https://bipartisanpolicy.org/policy-area/health/</u>
- Rural Policy Research Institute (RUPRI)
   Health Panel: <a href="http://www.rupri.org/areas-of-work/health-policy/">http://www.rupri.org/areas-of-work/health-policy/</a>





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For more than 30 years, the Rural Health Research Centers have been conducting policy-relevant research on healthcare in rural areas and providing a voice for rural communities in the policy process.



The Rural Health Research Gateway ensures this research lands in the hands of our rural leaders.



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Funded by the Federal Office of Rural Health Policy, Health Resources & Services Administration