Chairwoman Stabenow, Ranking Member Boozman, and distinguished members of the Committee, thank you for the opportunity to provide testimony in today’s hearing. I’m honored to have this opportunity. I am currently an Associate Professor in the Division of Health Policy and Management at the University of Minnesota School of Public Health, Deputy Director of the University of Minnesota Rural Health Research Center, and Associate Director of the University of Minnesota Rural Health Program.

I have devoted my career to rural health, working to ensure that everyone has the opportunity for good health and quality of life, no matter where they live. Unfortunately, though, for many rural residents today, living in rural areas means fewer opportunities for good health, increased barriers to timely access to affordable and high-quality health care, and more limited access to the basic infrastructure necessary to participate in our current economic and social systems. Altogether, these rural-specific challenges are costing lives and limiting the prosperity of our entire nation.

**Rural Health Disparities**

Rural residents have worse health and greater risks of mortality than urban residents. On average, residents of large metropolitan areas live 2.5 years longer than residents of rural areas, and that disparity has gotten worse in the past two decades. From 1999-2019, the rural-urban difference in mortality rates tripled. Compared to urban residents, rural residents have higher death rates from all five leading causes of death: cancer, cardiovascular disease, chronic lower respiratory disease (COPD), stroke, and unintentional injury.

Those grim statistics predate the COVID-19 pandemic, which only made rural health inequities worse. While the very beginning of the pandemic was a distinctly urban phenomenon in the United States, the situation quickly became worse for rural residents. By September of 2020, the COVID-19 death rate was higher in rural places than in urban places, and it has remained higher for most of the pandemic. According to research from the RUPRI Center for Rural Health Policy Analysis, as of March 15, 2022 the cumulative mortality rate for COVID-19 in rural places remains higher than in urban places.
America was 370 per 100,000 people, compared with 281 per 100,000 people in urban America.\(^8\)

**Access to Health Care in Rural America**

There are many reasons that rural residents experience health inequities, including differences in access to the social drivers of health, like housing, transportation, education, and job opportunities. I will return to some of these later in my testimony, however, when talking about rural health, it makes sense to start with a discussion of rural health care.

I’ll start by outlining the realities facing rural communities when it comes to accessing health care. Since 2010, 138 rural hospitals have closed their doors.\(^10,11\) For years, rural health care providers and patients have faced workforce challenges, low patient volumes, and long travel distances to obtain treatment. Unfortunately, these issues have only been exacerbated by the COVID-19 pandemic. Because of this, the Chartis Center for Rural Health also estimates that 453 rural hospitals are currently operating at margins like those that closed throughout the last decade, meaning that they are particularly vulnerable to closure.\(^11\)

In addition to hospitals, rural areas have also seen a decline in other health care services in recent decades. These include nursing homes,\(^12–14\) pharmacies,\(^15,16\) and obstetric units.\(^17–20\) Today, fewer than half of all rural counties have a hospital in which you can give birth. Ten percent of rural counties have no nursing home.\(^12\) Between 2003-2018, 1,231 rural pharmacies closed, amounting to 16.1% of all rural pharmacies.\(^16\) From birth to end of life, it is more difficult to access the care you need in rural areas.

There are many causes for the decline in rural health care services. In some cases, it is difficult to afford the necessary overhead costs of keeping the lights on and the staff employed and well-trained in low-volume settings. Reimbursement rates, uncompensated care, and access to health insurance are also large contributors to hospital and health services vulnerability.\(^21\) There have fewer been hospital and unit closures in states that have expanded Medicaid,\(^10,18,21\) and we have seen a particularly pernicious loss of services in the southeast.\(^10,19\) As rural America begins to emerge from the COVID-19 pandemic, addressing these longstanding issues is more urgent and important than ever.

In addition to the issues mentioned above, health care workforce availability is a huge contributor to the challenge of maintaining rural health care services, and is one that has been amplified by the COVID-19 pandemic. Health professional shortage areas (HPSAs) are disproportionately located in rural areas.\(^22,23\) According to the Bureau of Health Workforce, as of the first quarter of this year (2022), 68.3% of all primary care HPSAs are in completely or partially rural areas, as are 68.5% of all dental HSPAs and 66.4% of all mental health HPSAs.\(^23\) Solutions for this may include training and pipeline programs, as well as financial incentives for providers. However, solutions must also focus on the overall vitality and appeal of rural communities, including strong infrastructure, job opportunities, housing, child care, and educational opportunities.\(^24\)
Over the last few years, hospitals in rural communities have been tested to their limits. Often, they were providing crisis care in dated facilities. In fact, one in ten Critical Access Hospitals is more than 25 years old. This means that rural providers are working with an influx of patients in dated buildings, and are often not equipped with the best technology and devices. The United States Department of Agriculture’s Community Facilities Programs is a key source of infrastructure funding for rural communities and their health care providers. The program offers direct loans, loan guarantees, and grants to improve essential public services across rural America. Many rural health care providers have taken advantage of this program.

As the Committee continues to consider ways to enhance access to and quality of health care in rural America, Rural Development programs like Community Facilities and the Rural Business-Cooperative Service programs have been essential programs for resources, as well as associated technical assistance and trainings, that should be used as a blueprint. These have been successful. They have improved health care infrastructure and as we prepare for future public health emergencies, these programs should be part of our public health response for rural communities.

Rural Infrastructure and Health

The issue of rural health and quality of life is not limited to health care services, facilities, and providers. Infrastructure policy is health policy. For example, transportation infrastructure poses long-standing and complex challenges in rural areas, including quality of roads and bridges, access to personal vehicles, fuel and vehicle maintenance affordability, and availability of public transportation, especially for people with physical limitations. In our work at the University of Minnesota Rural Health Research Center, we found that rural residents who develop a medical condition that makes driving difficult – or dangerous – are less likely than urban residents with similar conditions to give up driving. This is likely reflective of fewer available alternatives, and may also be associated with the overall higher rates of motor vehicle fatalities in rural areas.

To support rural health and quality of life, infrastructure policy also needs to include access to reliable and affordable broadband Internet. At the beginning of the COVID-19 pandemic, both Congress and the executive branch took decisive actions to ensure that health care was continued throughout the pandemic. The result was an unprecedented increase in utilization of telehealth services, which rural communities uniquely benefit from. As mentioned previously, rural patients often face longer drive times to routine medical visits. The advent of telehealth creates a new option for health care delivery that is essential beyond the duration of the public health emergency. Therefore, I was pleased to see Congress include an extension of these provisions until the end of the year in the recent appropriations package. Ensuring rural providers and their patients can utilize this health care delivery system into the future will only increase patient satisfaction and quality of life.

Despite gains in telehealth, I cannot go ten minutes talking with a provider in a rural community without hearing about the need for sufficient broadband connectivity. Inclusion of $65 billion in funding for broadband connectivity buildout in the Bipartisan Infrastructure Law was needed, but implementation will be critical. The United States Department of Agriculture has a unique
role in working with partners like the FCC and National Information and Telecommunications Administration (NITA) to ensure that broadband connectivity is built out equitably, particularly in rural communities. While broadband is important to all things rural: farms, commerce, schools, and work, it has special importance for rural health care. Efficient connectivity will allow rural health care providers to have the ability to communicate with other health systems, have sufficient and up-to-date electronic health records, and the ability to provide telehealth services to their patients.

As the Committee works to strengthen rural communities, broadband must be front of mind. Society is increasingly reliant on technology for every facet of life and as an economic driver, which is particularly true with health care. To ensure rural communities are capable of being part of the health care delivery system of the 21st century, effective broadband build out is critical. Such a build out must also be coupled with an emphasis on affordability and equitable access to devices with which to use broadband.

**Within-Rural Disparities in Health and Health Care**

No discussion of rural health should go without mentioning that rural areas and rural residents are not monolithic. One in five rural residents today is Black, Indigenous, or a person of color (BIPOC). Health outcomes for rural BIPOC residents are significantly worse than for rural white residents and for all urban residents. In my research, I’ve found that rural counties with a majority of Black or Indigenous residents are especially vulnerable to poor health outcomes, with the highest premature death rates of any counties in the country.

Looking at individual-level data, research shows higher premature death rates among communities of color in rural communities compared to their urban counterparts. In Georgia, for example, a black individual living in a rural community is 30 percent more likely to die prematurely than their urban counterpart. In Mississippi, a black rural resident is 20 percent more likely to die prematurely. The same statistics are prevalent in the Hispanic community. In Texas, a Hispanic rural resident is 30 percent more likely to die from premature death than their urban counterpart. In Arizona, a Hispanic rural resident is ten percent more likely to die prematurely.

Further, according to data from the Center for Disease Control and Prevention, rural areas have a pregnancy-related mortality rate of 29.4 per 100,000 live births versus 18.2 in urban areas, but inequities are more severe if you look among rural residents. In Georgia for example, rural black women have a 30 percent higher maternal mortality rate than urban black women, and rural white women have a 50 percent higher risk than urban white women. These statistics are devastating.

Despite what we know about these inequities, it can sometimes be difficult to access data with sufficiently detailed measures of rurality, race, ethnicity, and other socio-demographic characteristics with which to illuminate disparities. As we move forward, data availability is critical. The United States Department of Agriculture is a trusted source of research and data collection in our rural communities. Proper data must be collected if we hope to understand the full impact the last several years have had on rural residents. To improve rural health
outcomes we must know the statistics; the United States Department of Agriculture should have a hand in this collection effort.

Rural places are also heterogeneous. Rural land areas cover the vast majority of the country (>90%, depending on the measure used) and the challenges that people have around distance, transportation, connectivity, and climate vary considerably from place to place. Rural Alaska is not rural Georgia is not rural Vermont is not rural Minnesota is not rural New Mexico…. As such, programs and funding for rural areas need to have built-in flexibility to adapt to the particular needs of specific rural places, which will vary by region and demographic composition.

The Role of the United States Department of Agriculture in Rural Health

The United States Department of Agriculture (USDA) has a critical role to play in rural health. Fundamentally, agriculture is the backbone of our country’s health. Moreover, the USDA is a trusted resource on rural economic development and rural demographics. At a time when divisiveness is palpable and trusted messengers can be hard to come by, especially in some rural communities, the USDA is in a unique position to support good health among rural residents.

I was honored to consult on the development of the Rural Health Liaison in 2018, and I thank members of this Committee for their leadership in that important work. The creation of that position symbolized and strengthened the importance of the USDA in rural health, although the USDA has long been doing work that has improved health and quality of life. For example, the USDA’s Cooperative Extension Service has been supporting the health and well-being of rural residents for more than a century. Extension agents are trusted sources of information across rural America and represent a solid foundation that could be built on in USDA’s rural health work. In addition to its traditional role in nutrition and agricultural education, Extension currently plays a critical role in farmer mental health, education and outreach, and overall community vitality.

Building on Rural Strengths

Despite the challenges I’ve laid out in rural health and health care, rural areas also have considerable strengths. Whether because of size or necessity, rural residents and organizations can be incredibly resourceful and innovative. Many rural areas also have particularly strong social capital and social cohesion. In research I’ve done, I’ve found that rural older adults report larger social networks – both more family members and more close friends – than urban older adults. This social fabric provides a tapestry on which strong health and health can be built, given the right support through investment in infrastructure and resources.

The last few years have tested rural residents and rural health care providers. While the challenges facing rural communities are different from those facing their urban counterparts, so are the innovation opportunities. The United States Department of Agriculture plays a significant role in ensuring that rural providers are equipped to provide care in the 21st century. Whether this is through ensuring adequate rural broadband access, accurate data and research, or investment in capital infrastructure, the USDA is a needed ally for rural health. Ultimately, a
strong rural economy starts with good health. Good rural health outcomes cannot be achieved without supporting the vitality of rural communities, including strong, modern infrastructure and a thriving health care system.

Thank you again for the opportunity to testify today. I look forward to any questions you might have.

References


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