

Acknowledgements

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Agenda

- Background
- County-level differences in mortality
- Individual differences in self-rated health
- Disparities in access to care
- Implications



Background

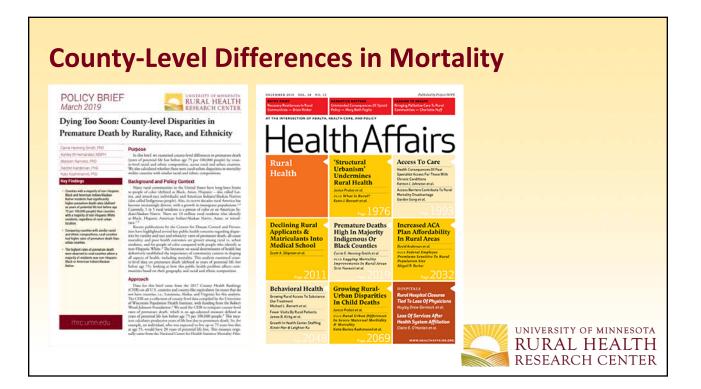
- Rural-urban disparities in health and access to care are well-documented, with rural residents tending to fare worse
- Disparities in health and health care access by race and ethnicity are also well-documented, with many groups faring worse than non-Hispanic White individuals



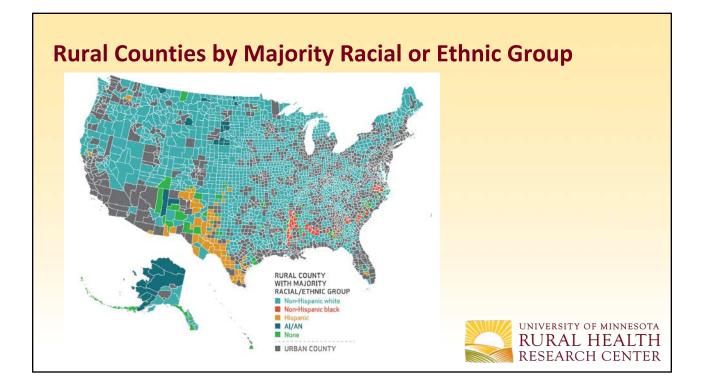
Background, continued

- Rural areas have always been racially and ethnically diverse, and are increasingly so in recent years
- Today, one in five rural residents identifies as a person of color or as Indigenous
- Still, most research on health disparities focuses either on rural-urban differences or on racial and ethnic differences, without a specific focus on *within-rural* differences by race and ethnicity

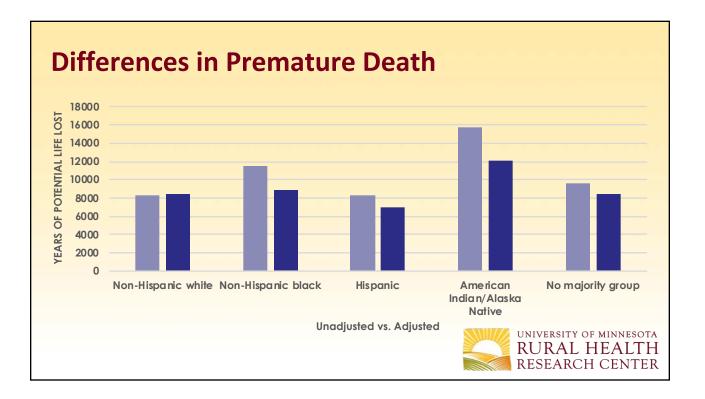




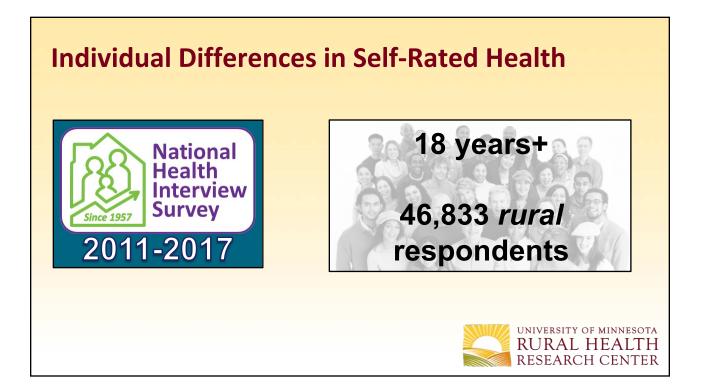
Among rural counties, how does mortality vary by racial and ethnic composition? Methods: Data come from 2017 County Health Rankings Compared rural counties by their majority racial or ethnic group

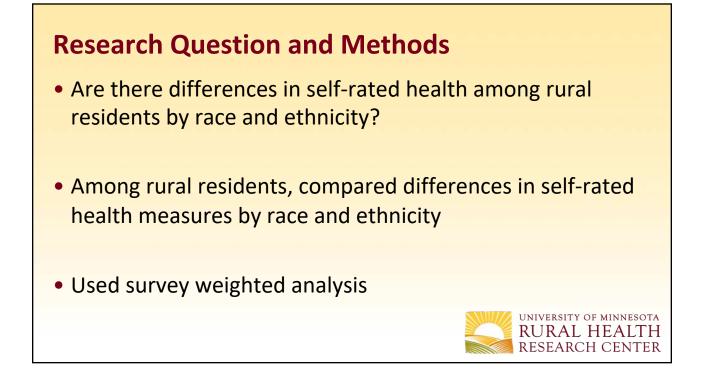


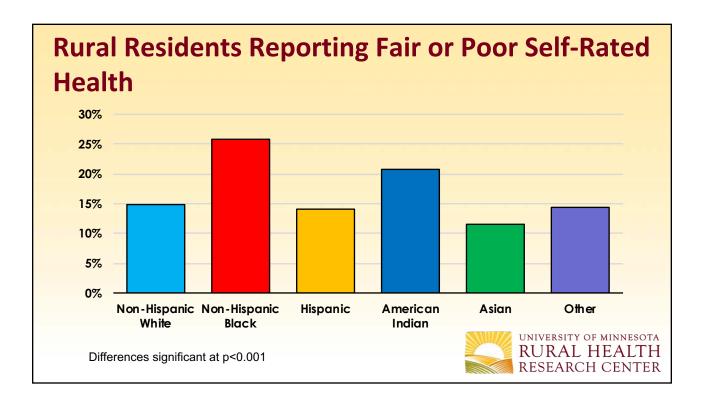
Variation in County-Level Characteristics							
	Non- Hispanic White	Non- Hispanic Black	Hispanic	thnic Group American Indian/Alaska Native	No majority Group		
Median household income	\$45,605	\$30,281	\$43,166	\$39,001	\$41,080		
Unemployment rate	5.4%	9.3%	6.4%	9.0%	6.6%		
Limited food access	9.0%	11.1%	12.8%	29.8%	11.7%		

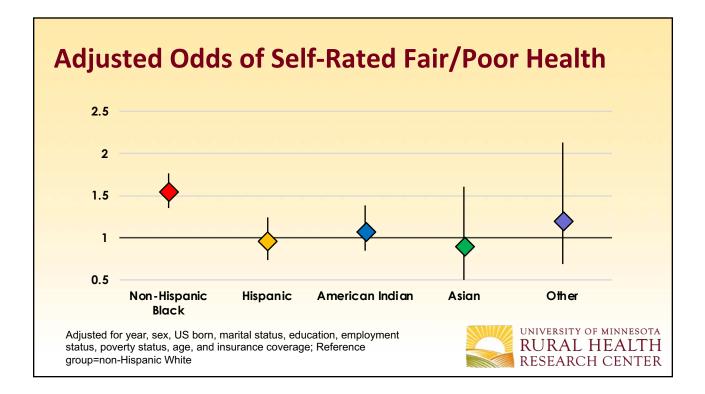


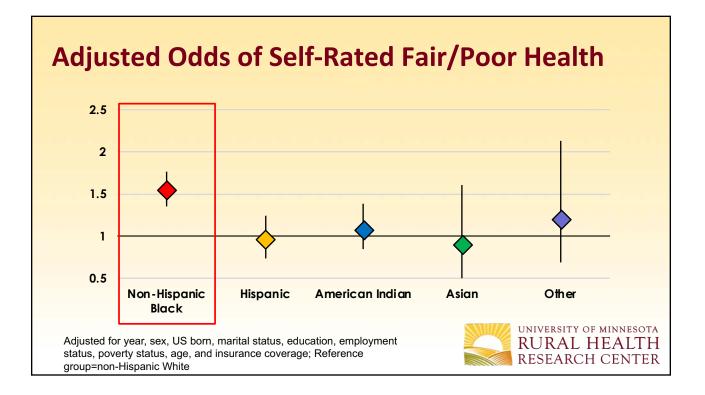


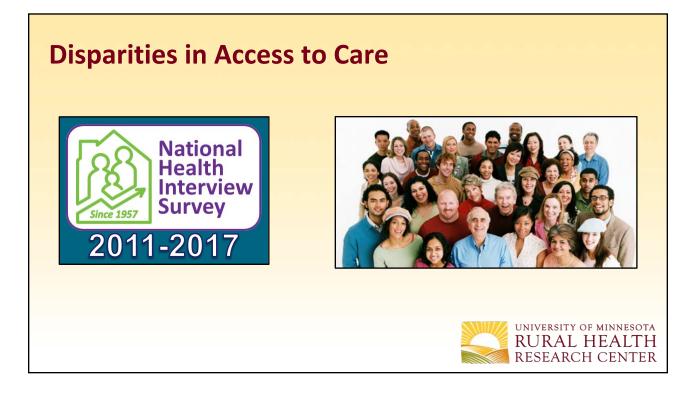


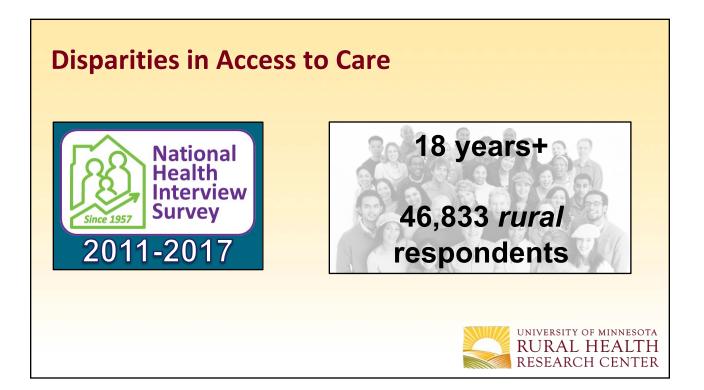




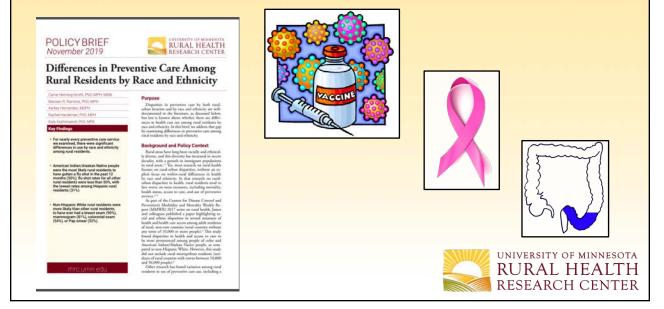


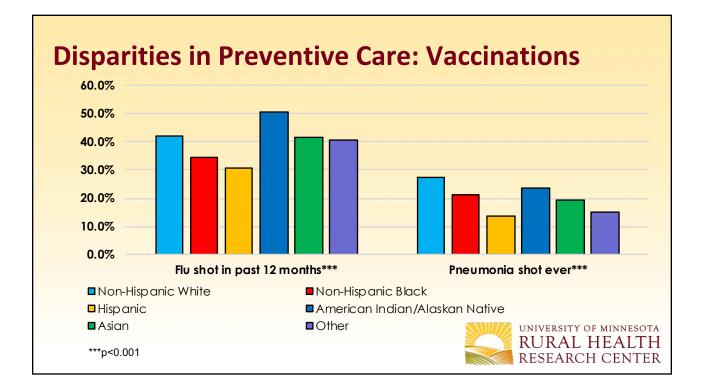


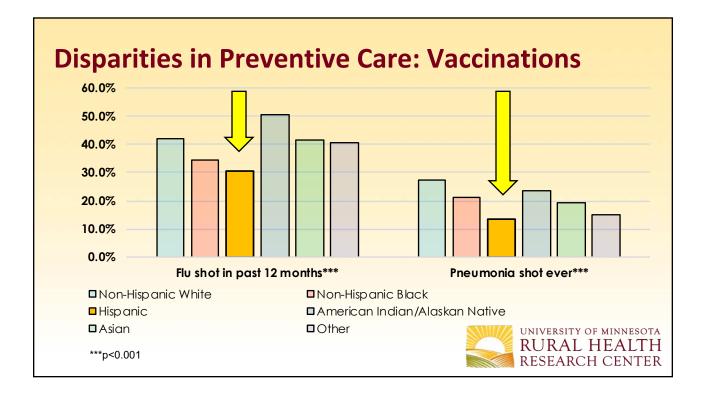


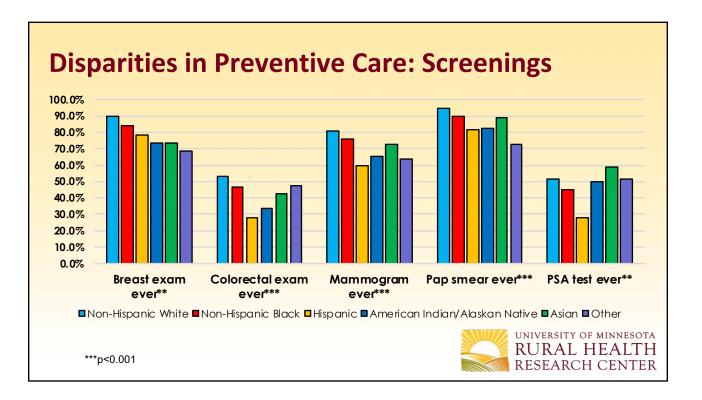


Disparities in Access: Preventive Care Services

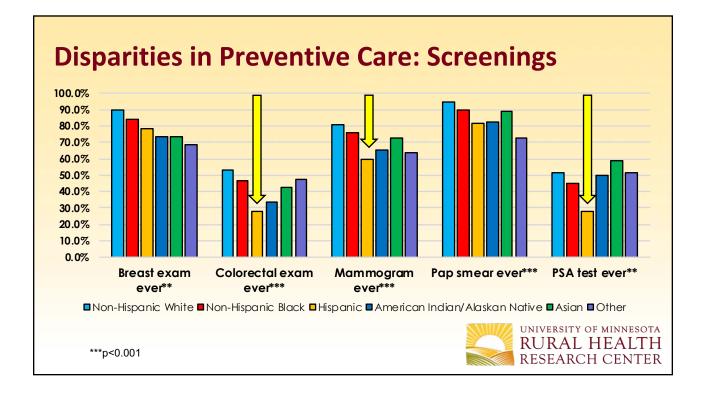


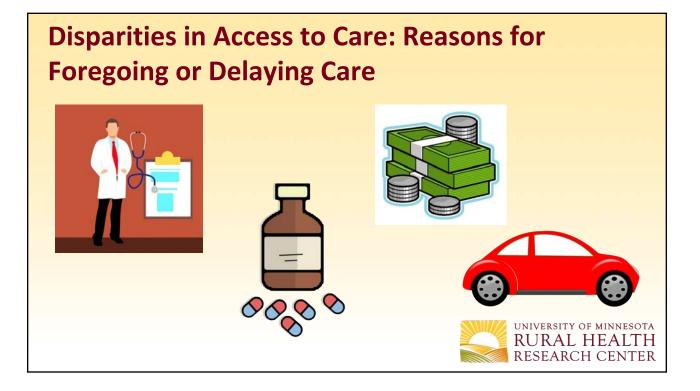


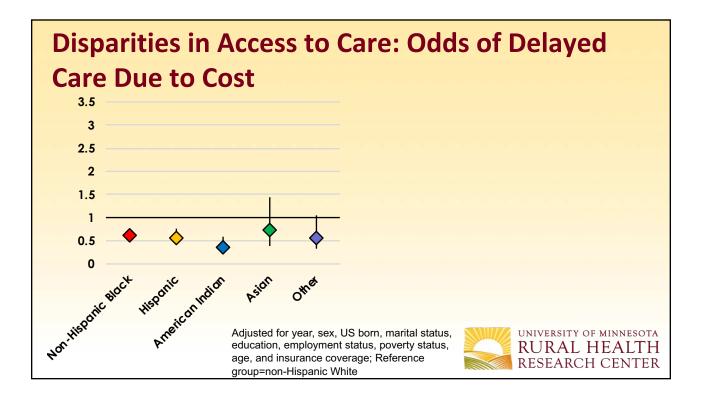


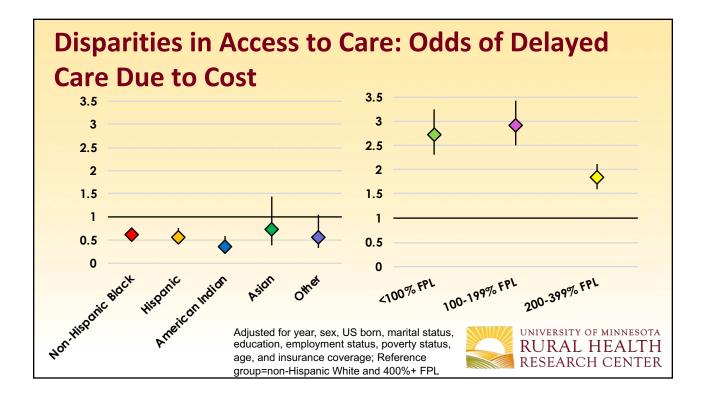


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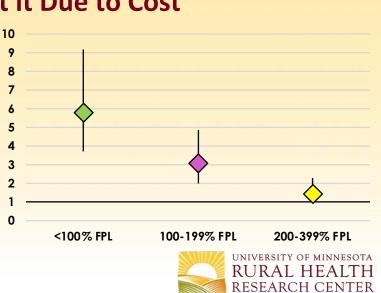




Disparities in Access to Care: Needed Medical Care, but Didn't Get it Due to Cost

	AOR	95% CI
African American	1.38	(1.02, 1.88)
Hispanic	1.07	(0.60, 1.91)
American Indian	1.98	(1.33, 2.95)
Asian	0.42	(0.12, 1.39)
Other	1.44	(0.62, 3.35)

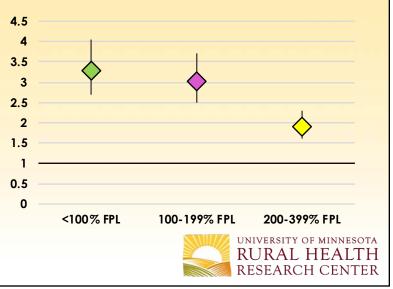
Adjusted for year, sex, US born, marital status, education, employment status, poverty status, age, and insurance coverage; Reference group=non-Hispanic White and 400%+ FPL



Disparities in Access to Care: Needed Medication, but Didn't Get it Due to Cost

	AOR	95% CI
African		
American	1.14	(0.96, 1.36)
Hispanic	0.98	(0.70, 1.38)
American		<i>i</i>
Indian	0.58	(0.39, 0.88)
Asian	0.69	(0.36, 1.34)
Other	0.99	(0.30, 3.27)

Adjusted for year, sex, US born, marital status, education, employment status, poverty status, age, and insurance coverage; Reference group=non-Hispanic White and 400%+ FPL



Key Takeaway Points

- There are disparities among rural counties and rural residents by race and ethnicity, with non-Hispanic Black, Hispanic, and Indigenous rural residents tending to fare the worst
- Some disparities are mediated by differences in socioeconomic status



- Investing in rural communities financially and via employment opportunities may improve access
- Additional work is needed, however, to address lasting impacts of structural racism in order to improve the health of *all* rural residents and communities



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Conclusion

- Research should look beyond just disparities in health and health care by rural/urban location and by race and ethnicity
- The intersection of rurality and race and ethnicity is especially important to address
- With rural populations becoming increasingly diverse, this will only become more urgent



Thank You!

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