



VPFWB



Agency Forum Slides

Addressing Rural Health Disparities in Virginia: A Rural-Urban Gap Analysis

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LinkedIn

Background & Need

- Identifies major rural-urban gaps across clinical, behavioral, and social determinants of health.
- Highlights indicators that align directly with the Virginia Plan for Well-Being, and local VPFWB implementation.
- Provides a foundation for targeted improvement strategies tailored to specific Virginia Plan Areas.
- Helps pinpoint where investments in vital resources can have the greatest impact.

Methodology

Literature Review

Explored surveys, such as BRFSS, U.S. Census, PRAMS, and more.

Read into implications of RUCA identified rural-urban classifications.

Data Collection

Key informant interviews with Office of Health Equity, Eastern Shore and West Piedmont.

Utilized the Virginia Plan for Well-Being data portal for primary data, outsourcing data gaps to external surveys.

Indicator Selection

Organized indicators into the 6 priority areas for the VPFWB.

Looked at accessibility, SDOHs, VPFWB priorities, health outcomes, and EMS data.

Selected based on need and interviews.

Rural-Urban Gap

If using the VPFWB data portal, some data points given urban and rural, others I had to calculate.

Positive or negative difference, based on larger volume in rural or urban areas.

Statistical Analysis

Conducted a margin of error analysis, standard error analysis, Z-score calculation, and P-value for significance.

Conducted a practical significance test, assuming practical significance = gap over 5.

Implications

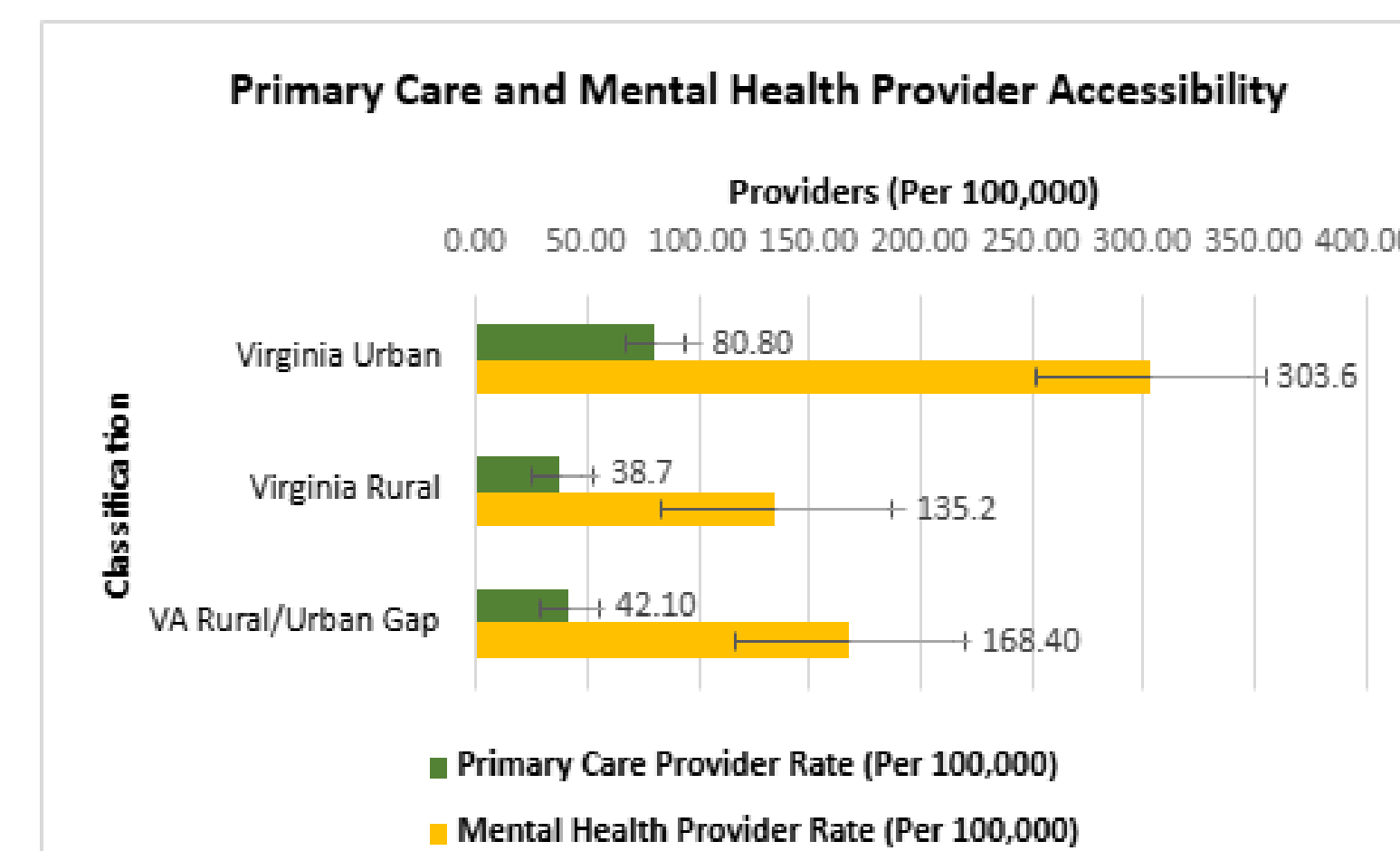
Combined statistical data with qualitative interview data.

Determined major trends and vulnerable populations from both sources.

Looking forward to diving deeper into more indicators and localities.

Analysis

Accessibility



Primary Care Providers
42.1

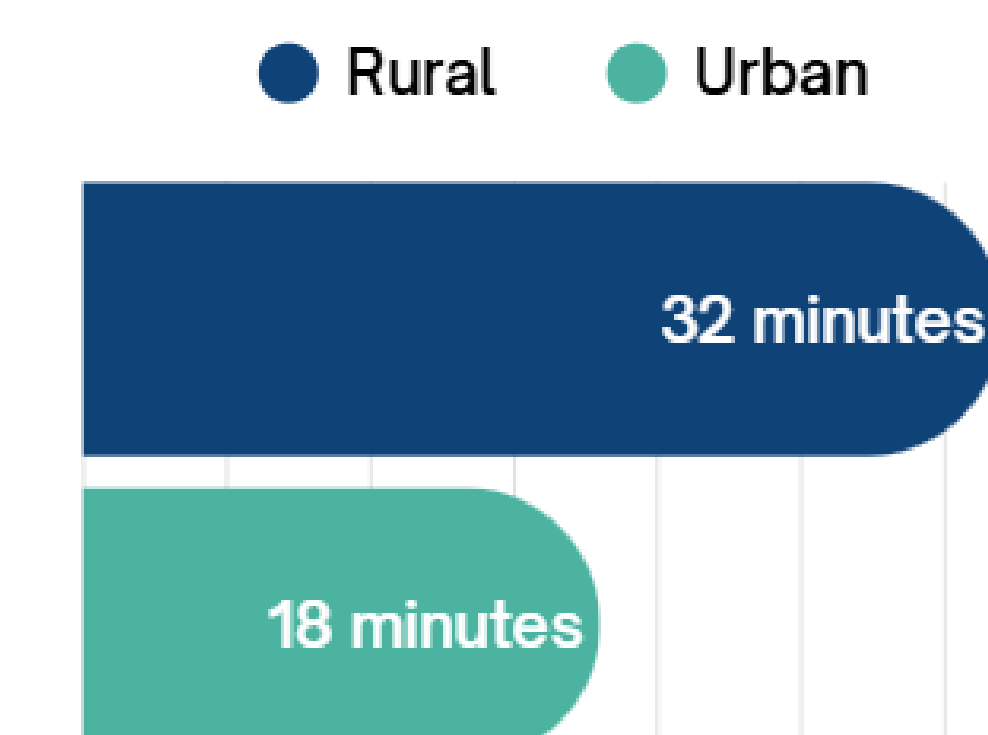
less providers in rural areas vs urban (per 100,000)

Mental Health Providers
168.4

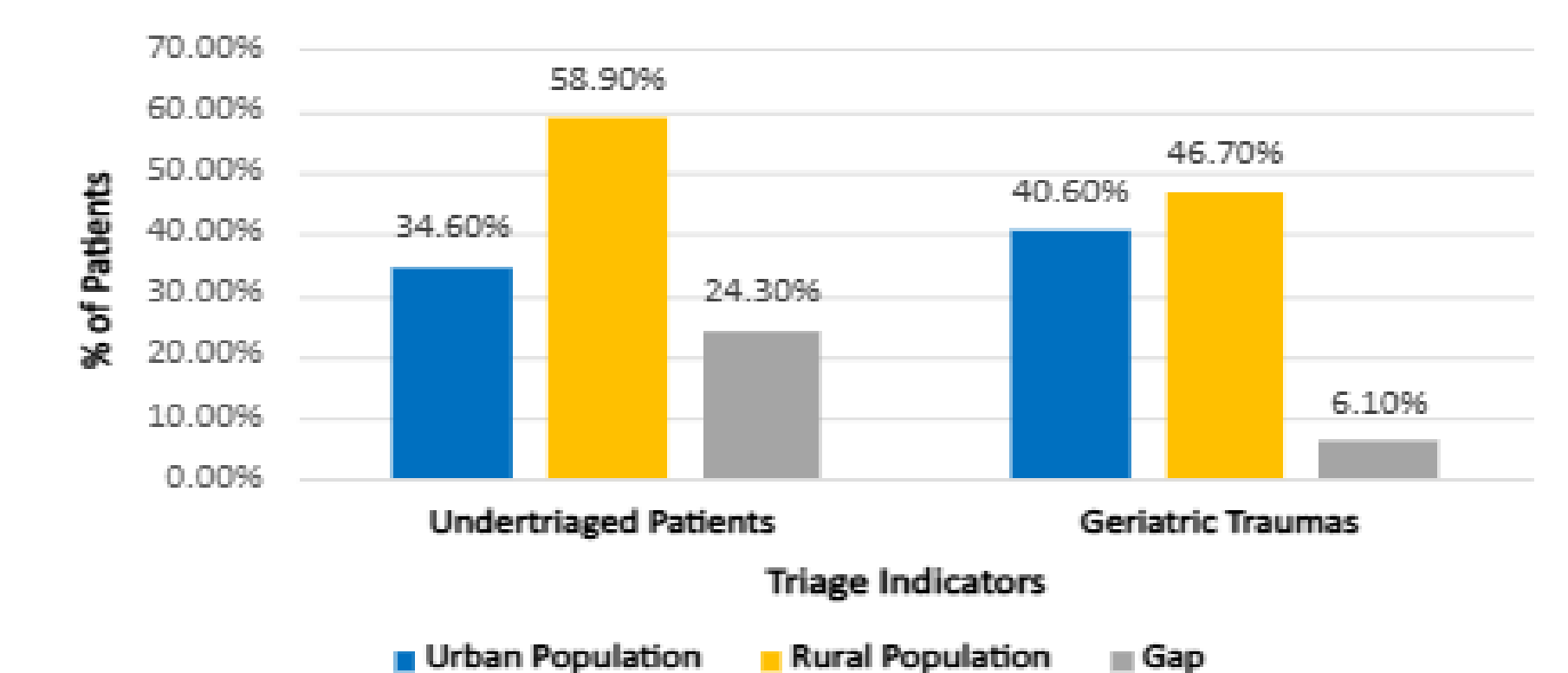
less providers in rural areas vs urban (per 100,000)

Emergency Medical Care

EMS Response Times

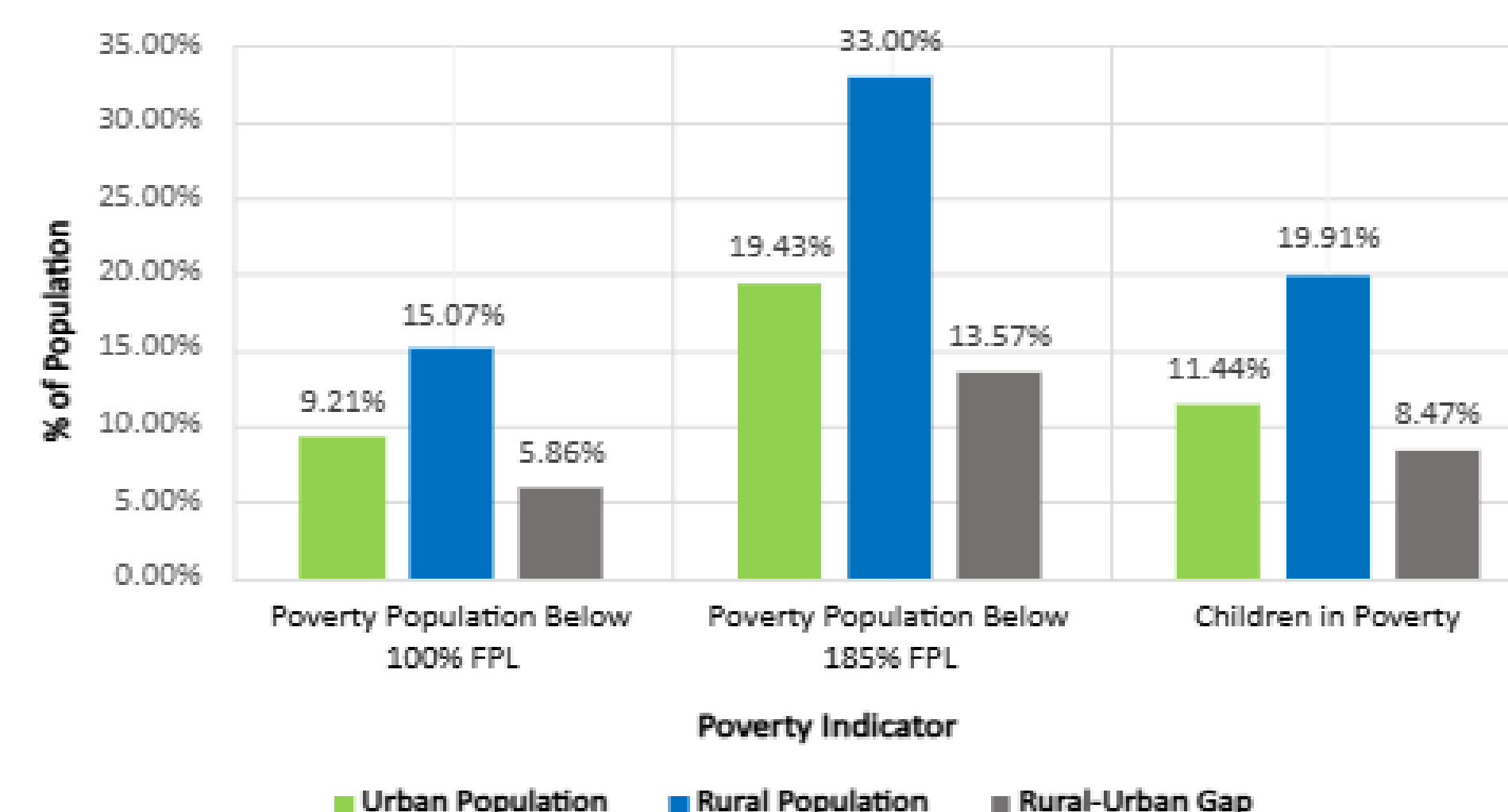


Urban-Rural Triage Gaps



Social Determinants of Health

Rural-Urban Poverty Population Gaps



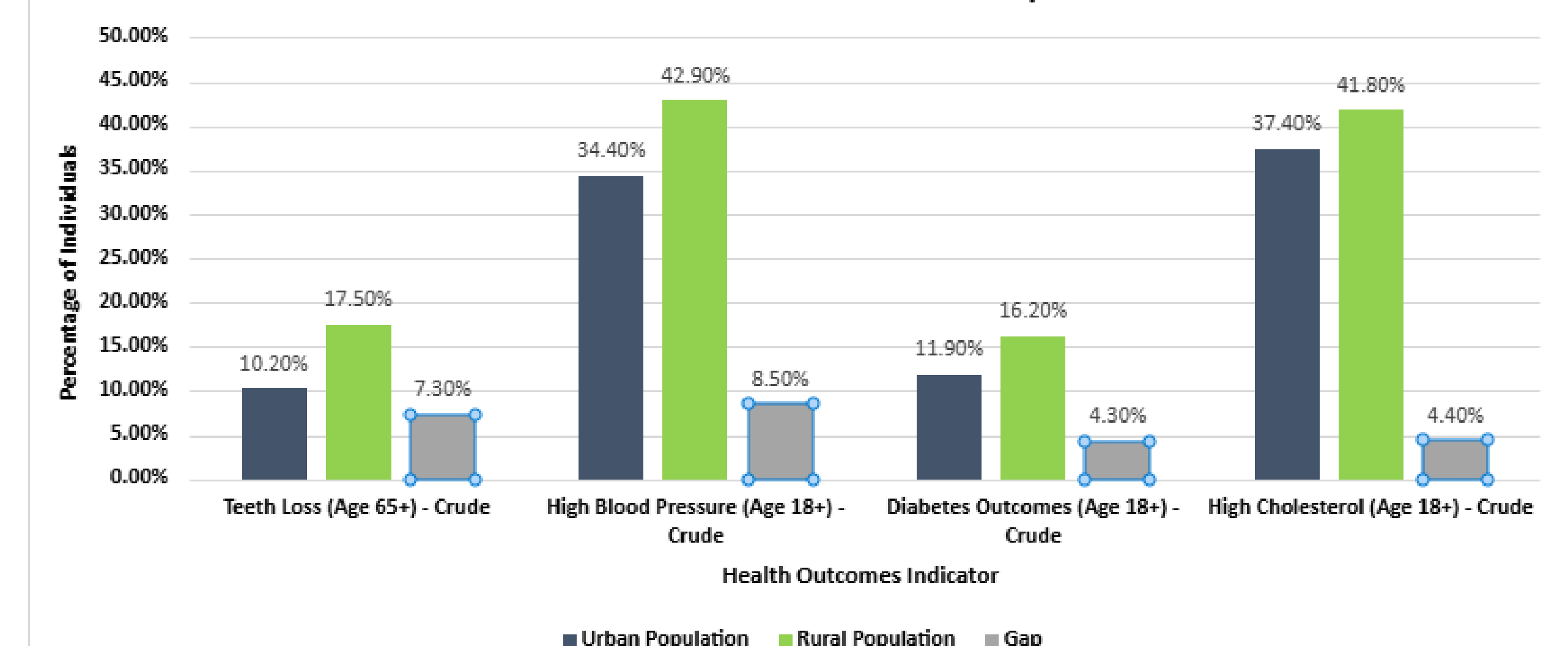
Social Vulnerability Index

Urban
0.36

Rural
0.57

Health Outcomes

Rural-Urban Health Outcome Gaps



Virginia Plan for Well-Being

7.17
per 1,000

more babies are born with neonatal abstinence syndrome in rural areas than in urban.

14.5
per 100,000

more motor vehicle crash deaths occur in rural areas compared to urban.

5.9%

higher obesity prevalence among adults in rural areas compared to urban

9.99
per 100,000

more adults die from suicide in rural areas compared to urban

8.8
per 100,000

more people die from drug overdoses in rural areas compared to urban

11.8%

higher rate of solo commuting in rural areas than in urban.

Key Outcomes

Acknowledgements

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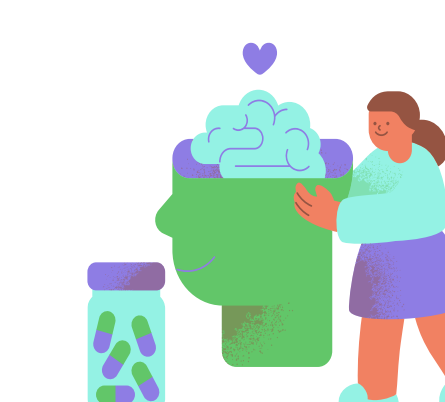
Low Income Rural Families face overlapping barriers in transportation, provider access, and insurance coverage.



Children in High-Poverty Rural Areas face barriers through limited primary care and behavioral health access, affecting long-term wellbeing.



Older Adults in Rural Regions rely heavily on primary care, emergency services, and transportation, while facing significant shortages in all areas.



Rural Residents with Behavioral Health Needs experience the largest accessibility gaps due to provider shortages.



Communities with Limited Transportation face structural barriers due to distance and travel time, reducing access to care.