

System for Health Assessment and Population Equity (SHAPE): A Data Visualization Tool

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1. Background

Huntsman Cancer Institute did not have a robust method for monitoring the catchment area and the impact institutional efforts have on the area. The System for Health Assessment Population Equity was created to address this. A community health assessment assessing rural and frontier populations was developed in tandem with this effort after finding primary data collection methods have no frontier representation. The poster outlines SHAPE and the results from the survey.

2. Goals

Our goal's are to 1) develop a data visualization platform and 2) understand the needs within rural and frontier populations.

3. Solutions and Methods

The System for Health Assessment Population Equity was created to address this. A community health assessment assessing rural and frontier populations was developed in tandem with this effort after finding primary data collection methods have no frontier representation

4. Outcomes

SHAPE: The system has been created and is being used for our upcoming CCSG renewal.

CHAS: A total of 1600 respondents from Rural and Frontier populations across the 5-state Mountain West region were assessed.

- The first cancer control-focused data and knowledge base on frontier populations will be generated.
- In addition to the results above, 70 percent indicated visiting specialists were key to improving health care access in their community followed by more primary care providers, improved or better quality of care, and availability of walk-in clinics.
- Results indicate that 48 percent of women within the screening age were current with breast cancer screening and is even lower for the most remote women. A similar trend is seen for Colonoscopies/Sigmoidoscopies screenings with the most frontier individuals most likely to never be screened or be current with screening.

5. Lessons Learned and Future Directions

We would have hired our own data analyst earlier in lieu of utilizing the institutions IT group. We also would have included specific questions around smokeless tobacco and vapes.