West Virginia's New Population-Based Public Health Surveillance System

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Introduction

The Mountain State Assessment of Trends in Community Health (MATCH) was established through a partnership between the West Virginia (WV) Department of Health and Human Resources (DHHR) and West Virginia University Health Affairs Institute.

MATCH was formed with the goal of better understanding the health of West Virginians and matching community health needs with resources specifically designed to meet those needs.
- For the topic of mental health, MATCH was designed to help improve the understanding of mental health needs, behaviors, access, and quality in WV.

Methods

MATCH is a biennial, cross-sectional survey designed to collect state-, regional-, and county-level data on WV residents (ages 18 and older) who are non-institutionalized and not living in group housing.

MATCH Topics (104 questions)
- Health status and behaviors
- Illicit drug use
- Mental health
- Social determinants of health
- Coronavirus disease 2019 (COVID-19)

2021 MATCH (Inaugural Year)
- Fielded Aug. 31, 2021 to Feb. 28, 2022
- Stratified random sample (n = 88,004)
- Residents were selected and sent up to four mailings
- Data were collected via:

WEB   PAPER   TELEPHONE

- Results were weighted and are representative of all West Virginians at the state-, regional-, and county-levels.
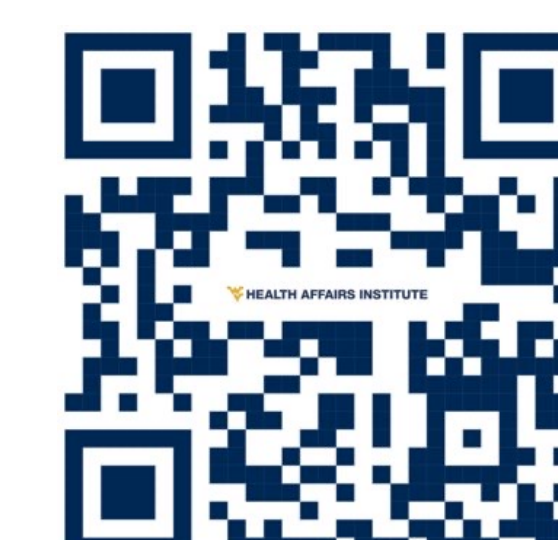
MATCHING NEEDS TO RESOURCES — MATCH
Mountain State Assessment of Trends in Community Health
In partnership with WV DHHR and WVU Health Affairs Institute

State and substate data are publicly available

Access the Data Explorer by scanning this code or at wvmatchsurvey.org/data

Results

MATCH had a 20% response rate (n=16,185; American Association for Public Opinion Research response rate #2).[1]

Novel prevalence estimates, particularly associated with mental health and substance use, were produced at the state and substate levels.

MATCH state and substate data dissemination includes:
- The Data Explorer
- The data dashboard
- Reporting
- A public-use data set

Conclusions

1. MATCH will serve as a continuous health monitoring system for WV.
2. MATCH estimates will enable the identification of health trends and disparities in WV.
3. Findings can be used to develop or inform policy; identify research, resource, and service gaps; and guide health service delivery to improve the health of West Virginians.

References

1. The American Association for Public Opinion Research. 2016. Standard Definitions: *Final Dispositions of Case Codes and Outcome Rates for Surveys. 9th edition.* AAPOR.

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