FOR DISEASE SURVEILLANCE

Weighting and Modeling statistical and geospatial methods provide in-depth analyses of the source data since these data are non-random and not representative of the total populations. The methods produce more reliable local, state, and national estimates.

Authorized data users create analyses with RiskScape or send custom queries through the PopMedNet™ portal.

Electronic medical record Support for Public health (ESP) software puts data in standardized tables and runs disease detection algorithms.

Data Contributor* extracts electronic health record (EHR) data captured during healthcare encounters.

EHR data are updated monthly or quarterly by ESP for use by RiskScape or for weighting and modeling methods.

ESP awaits custom queries, using Query Builder or SQL code, from PopMedNet™ authorized data user.

Weighting and modeling methods produce reliable local and national prevalence estimates.

MENDS Data Products leverage data and analysis from RiskScape data visualizations, PopMedNet™ queries, and weighting and modeling methods.

* Data contributors include health information exchanges and other data aggregators that are stewards of data from their healthcare organization partners.

Potential Use Cases for MENDS Data Products

To Improve the Health of the Population

- Monitor Trends
  - Track healthcare use (e.g., chronic disease screening), diagnoses, and disease comorbidities

- Inform Policy
  - Estimate major risk factors like uncontrolled hypertension and hidden conditions like undiagnosed hypertension

- Plan Programs
  - Analyze racial/ethnic and socioeconomic disparities

- Evaluate Outcomes
  - Estimate size of population affected by a policy and/or program and likely related impact
  - Identify high risk communities and subpopulations for intervention
  - Compare control and intervention ZIP codes

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RiskScape is an interactive, web-based data visualization platform with pre-programmed and custom analyses.

PopMedNet™ accepts custom queries and distributes them to data contributors. Data contributors must approve all queries.

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