

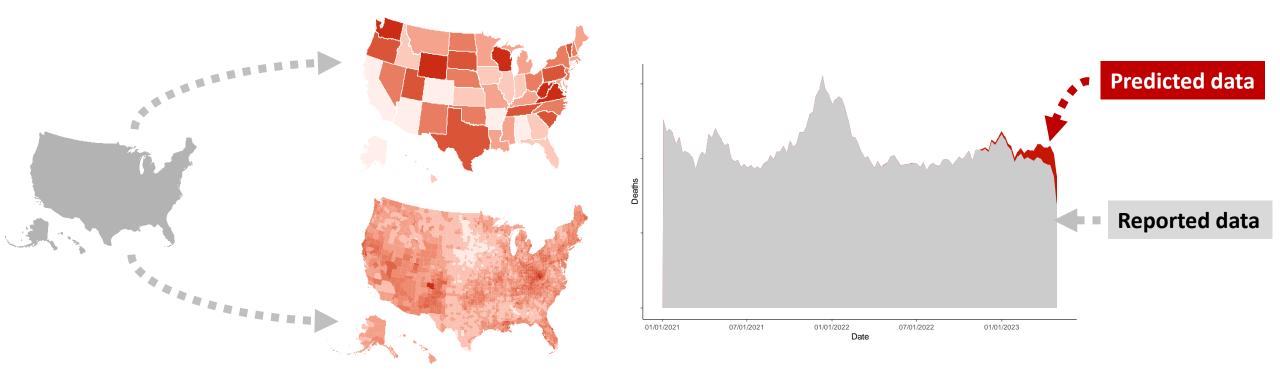
# Model-Based Early Estimates Update: NCHS Board of Scientific Counselors

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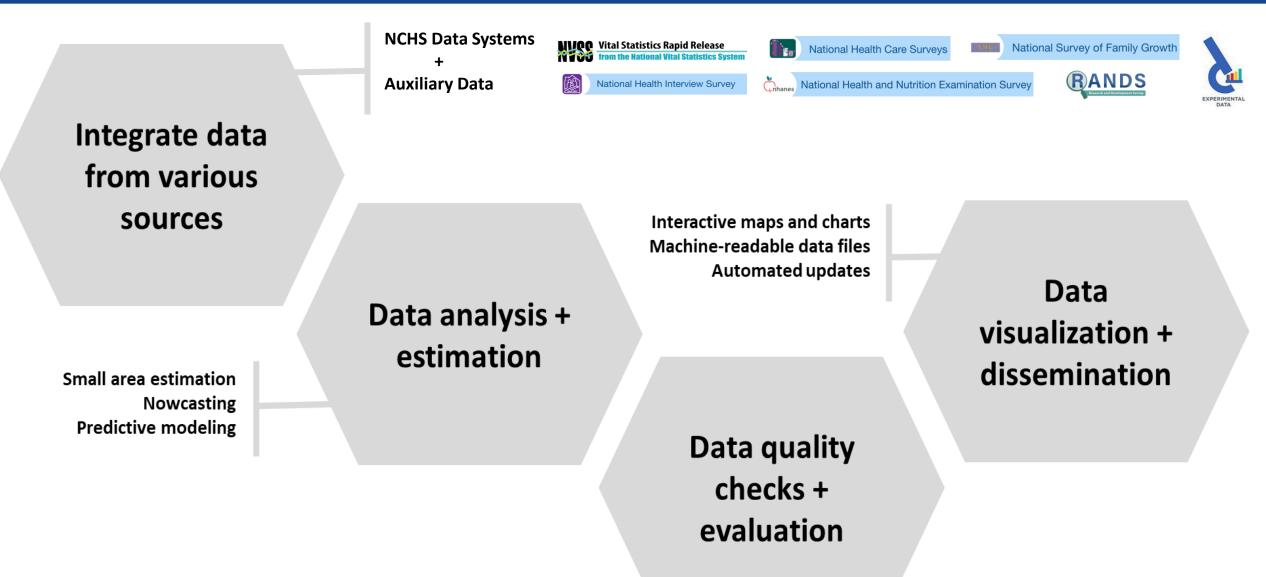
September 14, 2023

### **Model-Based Early Estimates: Goals**

- Improve the timeliness and granularity of data
- Enable data to action

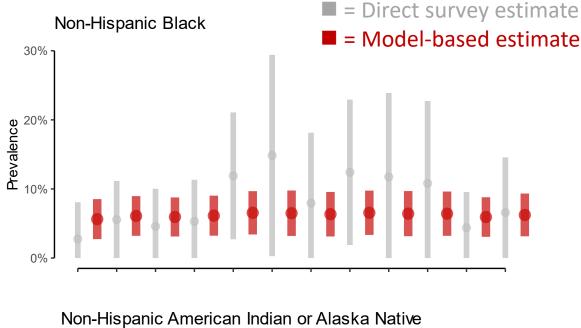


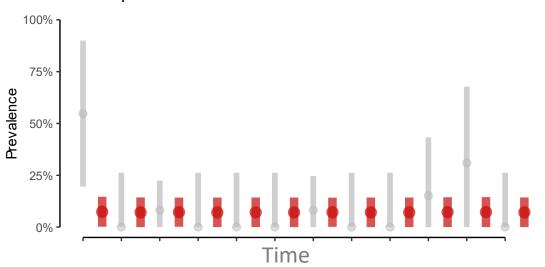
### **Model-Based Early Estimates: Design**



## **Model-Based Early Estimates: First Product**

- Goal: Evaluate methods to produce and disseminate estimates for small subgroups
  - Publish estimates where data are often suppressed
  - Assist measurement and tracking of disparities
- Solution: Enhancements to an existing small domain modeling approach/tool
  - Added functionality
  - Improved transparency
  - Evaluations underway
- Can use this tool to generate model-based estimates for small subpopulations using NCHS data systems





### **Model-Based Early Estimates: Timeline**

#### Implementation and Production

September 2023

Analytic tool for small domain estimation

#### January 2024

County-level estimates of deaths, births
State-level estimates from NHIS

- September 2024
- Analytic pipelines for other data systems
  - Evaluation of methods for combining nonprobability and probability data

#### Ongoing Research and Development

 Continuous evaluation of estimates and methods

Analytic support to data divisions and data users

Research on new and emerging data science methods

## **Questions?**

www.cdc.gov/nchs

For more information, contact CDC 1-800-CDC-INFO (232-4636) TTY: 1-888-232-6348 www.cdc.gov

The findings and conclusions in this report are those of the authors and do not necessarily represent the official position of the Centers for Disease Control and Prevention.

