



Population Health Assessment Engine



Population Health Assessment Engine Curriculum

BACKGROUND

01

Introduction to
Population Health

02

Introduction to
Geospatial Concepts

BEGINNER

03

Introduction to the
Population Health
Assessment Engine

04

How to use My
Community

05

How to use Community
HotSpots

ADVANCED

06

Getting the Most out of
My Community

07

Getting the Most out of
Community Hotspots



Overall goal for the PHATE Curriculum

To integrate community data, clinical data, and community resources in order to address social determinants of health and improve the health of patients and populations.

Target audience

- Anyone interested in learning about improving the health of populations
 - Providers
 - Staff
 - Learners
 - Residents
 - Medical students

Abbreviations

- PHATE: Population Health Assessment Engine

INTRODUCTION TO THE POPULATION HEALTH ASSESSMENT ENGINE

BEGINNER 03



Nuts and Bolts 03: Introduction to the Population Health Assessment Engine

Learning Objectives

- List two activities that can be done using the PHATE
- Demonstrate competency in navigating the PHATE



Relevant family medicine milestones

Family Medicine Milestone
Integrates practice and community data to improve population health.
Uses an organized method, such as a registry, to assess and manage population health.
Integrates in-depth medical and personal knowledge of patient, family and community to decide, develop, and implement treatment plans.
Uses experience with patient panels to address population health.
Understands the role of registries in managing patient and population health.
Maintains key patient-specific databases, such as problem lists, medications, health maintenance, chronic disease registries.



Relevant nurse practitioner competencies

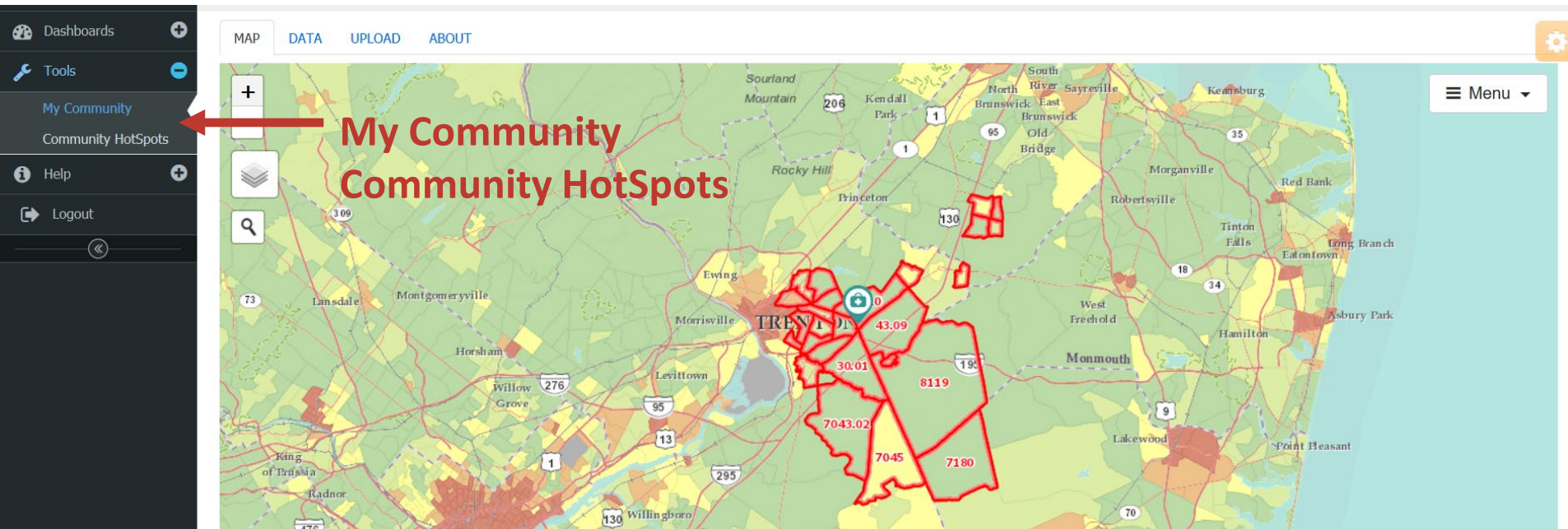
Competency
Uses technology systems that capture data on variables for the evaluation of nursing care.
Use conceptual and analytical skills in evaluating the links among practice, organizational, population, fiscal, and policy
Analyze epidemiological, biostatistical, environmental, and other appropriate scientific data related to individual, aggregate,
Use information technology and research methods appropriately to collect appropriate and accurate data to generate evidence for nursing practice, inform and guide the design of databases that generate meaningful evidence for nursing practice, analyze data from practice, design evidence-based interventions, predict and analyze outcomes, examine patterns of behavior and outcomes, and identify gaps in evidence for practice.
Evaluate care delivery models and/or strategies using concepts related to community, environmental and occupational
Integrates appropriate technologies for knowledge management to improve health care.

Nuts and Bolts 03: Introduction to the Population Health Assessment Engine

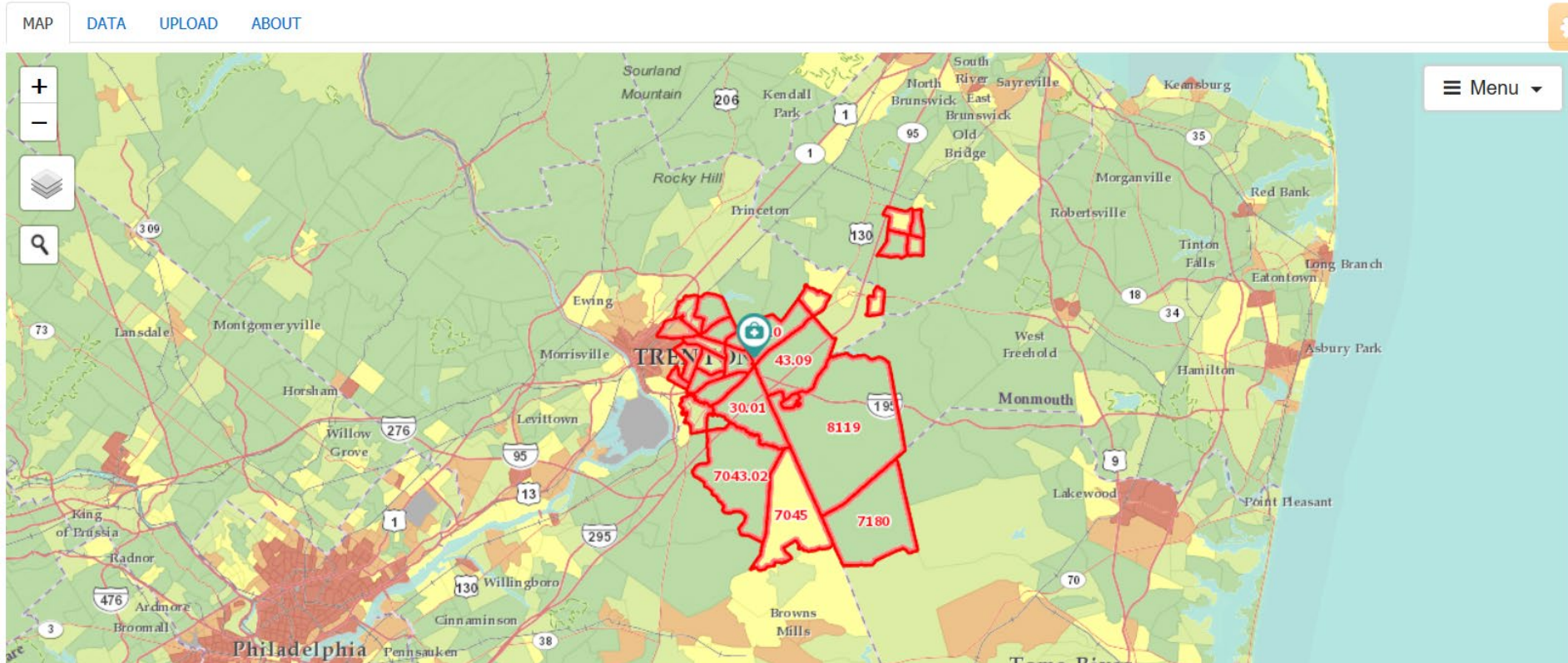
Outline

- I. PHATE Overview
- II. Guide to Navigating PHATE

PHATE Overview: Two Tools in One



My Community



What you can do using My Community:

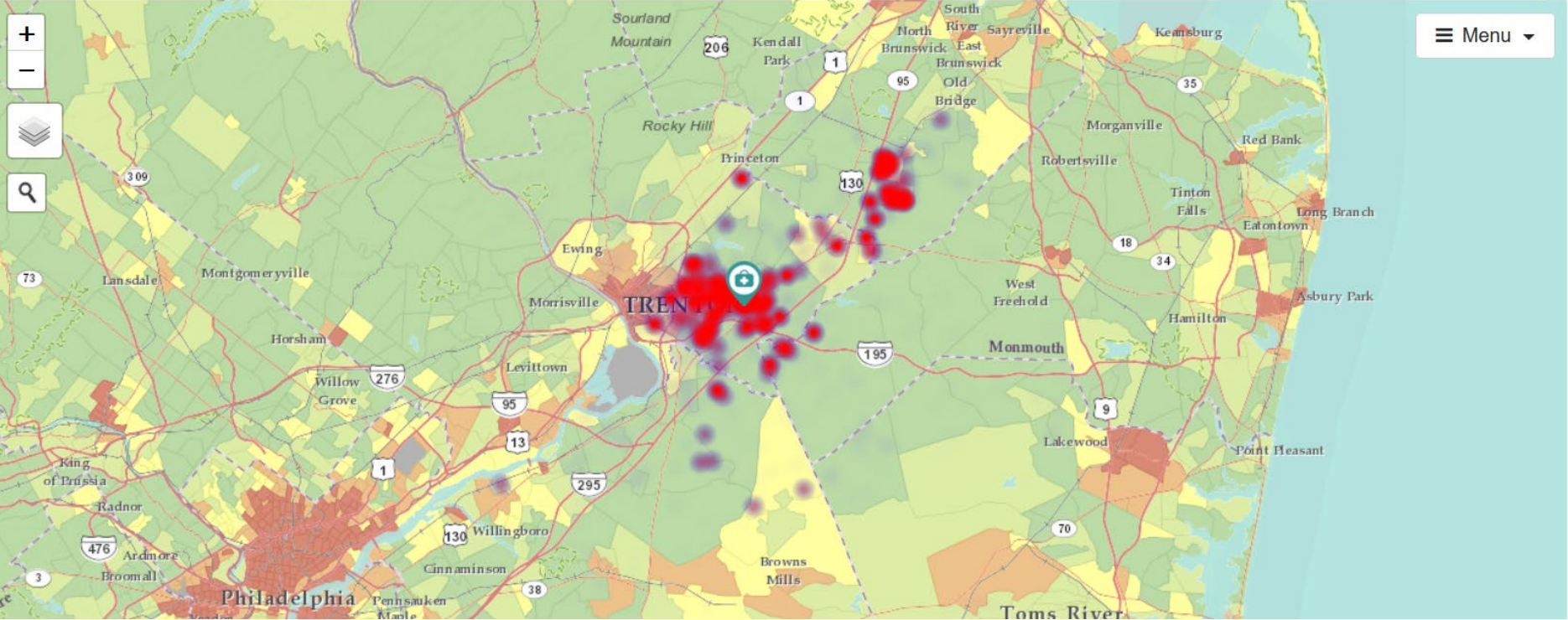
- View community characteristics
- View your clinic's service area
- View how your clinic's service area relates to community characteristics
- Download community characteristics

Community HotSpots

MAP DATA ABOUT



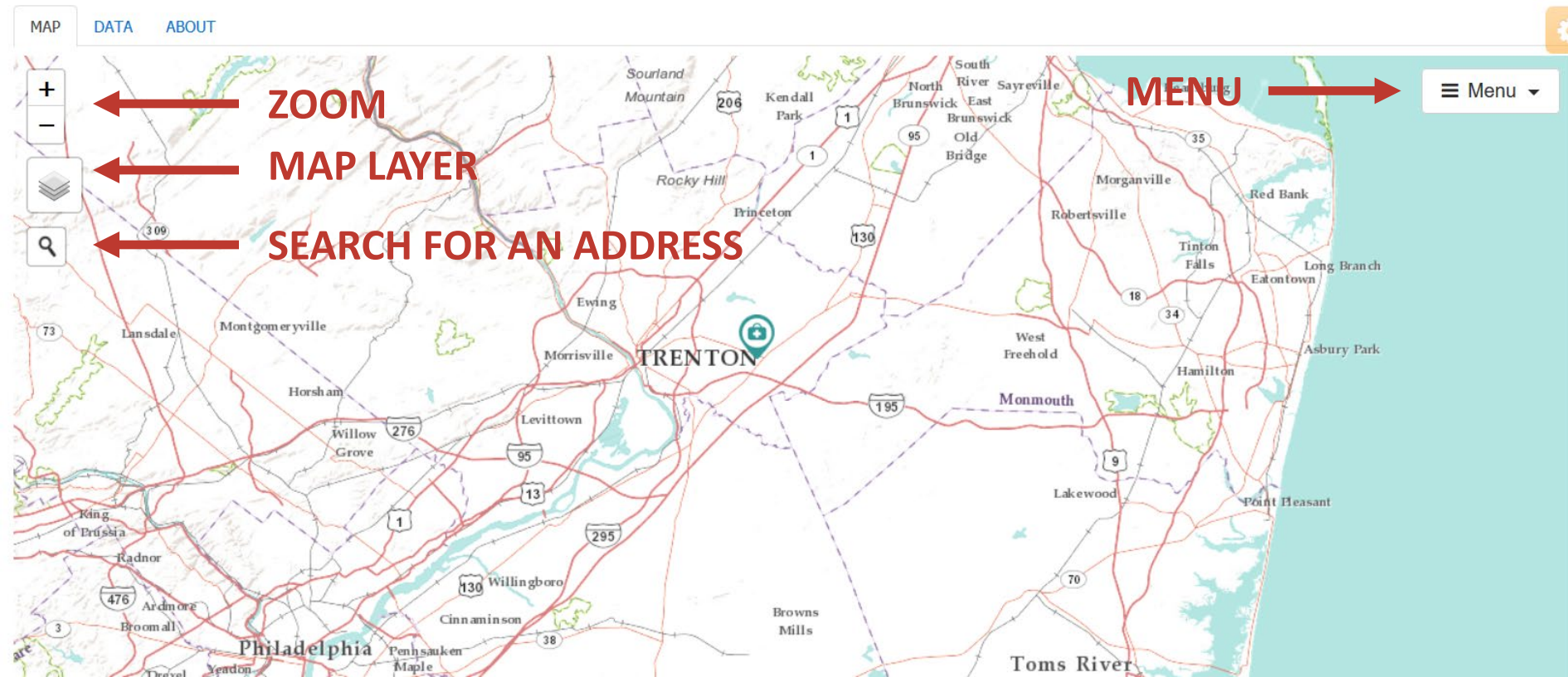
Menu ▾



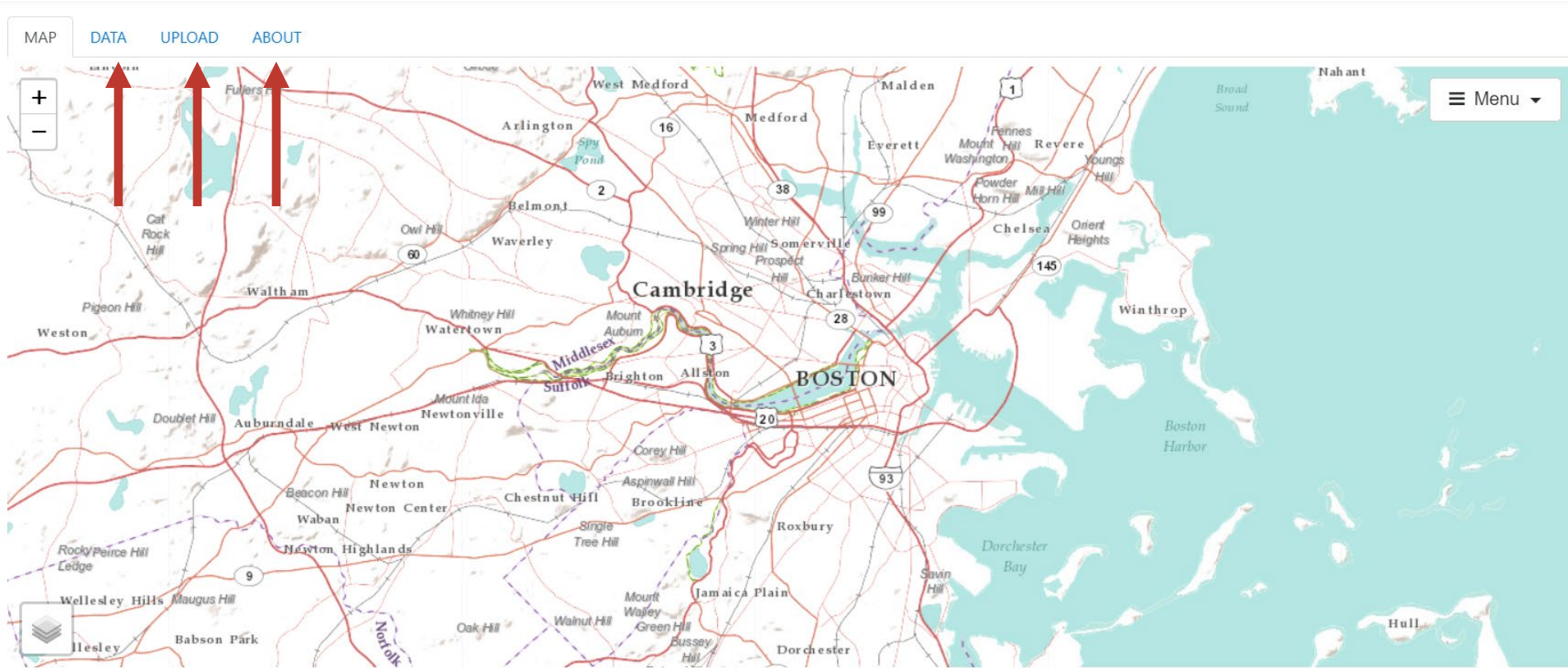
What you can do using Community HotSpots:

- View community characteristics
- View hot spots (clusters of poor disease control or gaps in quality) from your electronic health record data
- View how hot spots relate to community characteristics
- Download community characteristics

Navigation



Tabs



Zoom

MAP DATA UPLOAD ABOUT

+

-

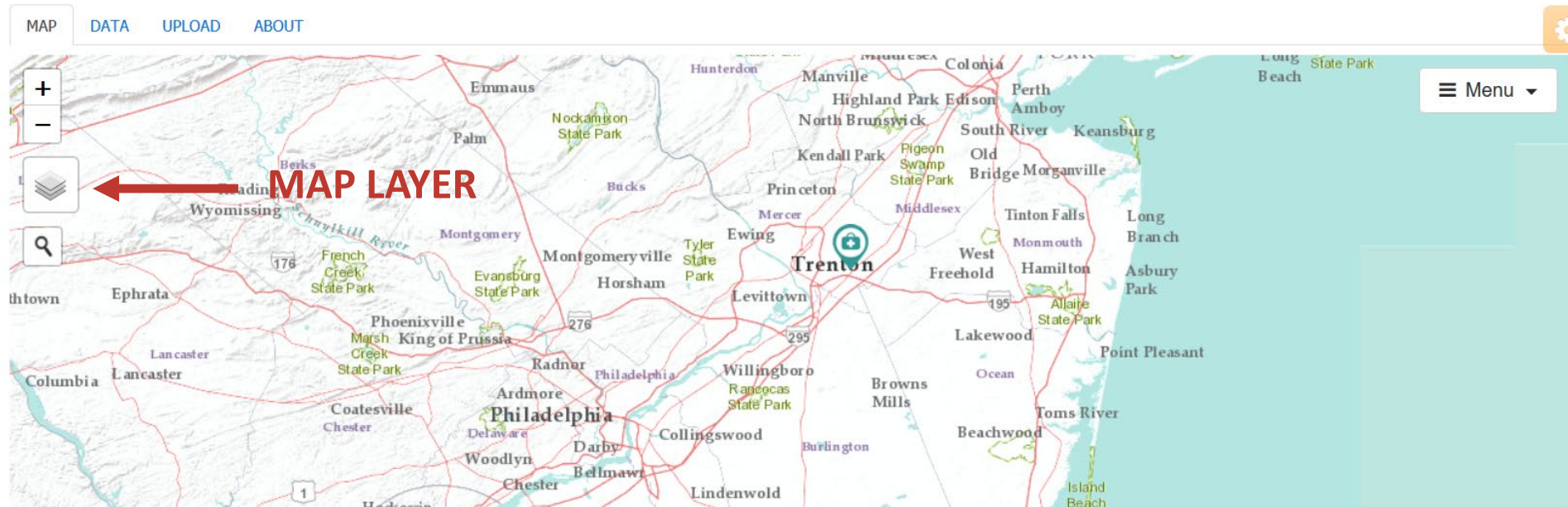
Menu

The map displays the Philadelphia metropolitan area and surrounding regions. A prominent red outline highlights a specific area in the northeast, encompassing parts of Philadelphia, Camden, and Haddonfield. The map includes various geographical features, roads, and place names. A search bar and navigation controls are visible on the left side, and a menu icon is on the right.

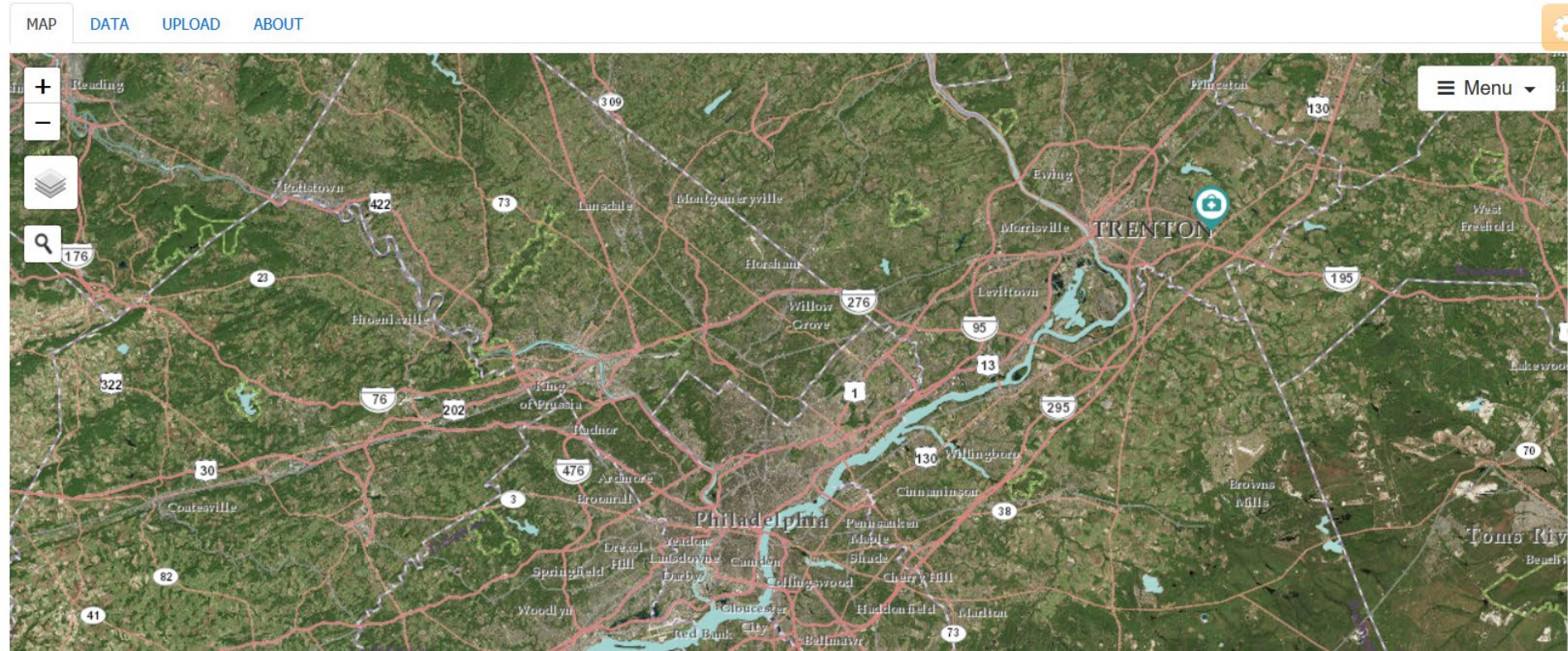
Key locations and features include:

- Philadelphia (center)
- Camden (east of Philadelphia)
- Haddonfield (east of Philadelphia)
- Levittown (north of Philadelphia)
- King of Prussia (northwest of Philadelphia)
- Coatesville (west of Philadelphia)
- Wilmington (southwest of Philadelphia)
- Collingswood (east of Philadelphia)
- Cherry Hill (east of Philadelphia)
- Delaware (north of Philadelphia)
- Montgomery County (north of Philadelphia)
- Delaware County (west of Philadelphia)
- City of Camden (east of Philadelphia)
- City of Haddonfield (east of Philadelphia)
- City of Logan Township (east of Philadelphia)
- City of Marlton Township (east of Philadelphia)
- City of Mount Laurel Township (east of Philadelphia)
- City of Oakton Township (east of Philadelphia)
- City of Pine Hill Township (east of Philadelphia)
- City of Pine Run Township (east of Philadelphia)
- City of Pine Valley Township (east of Philadelphia)
- City of Pine Brook Township (east of Philadelphia)
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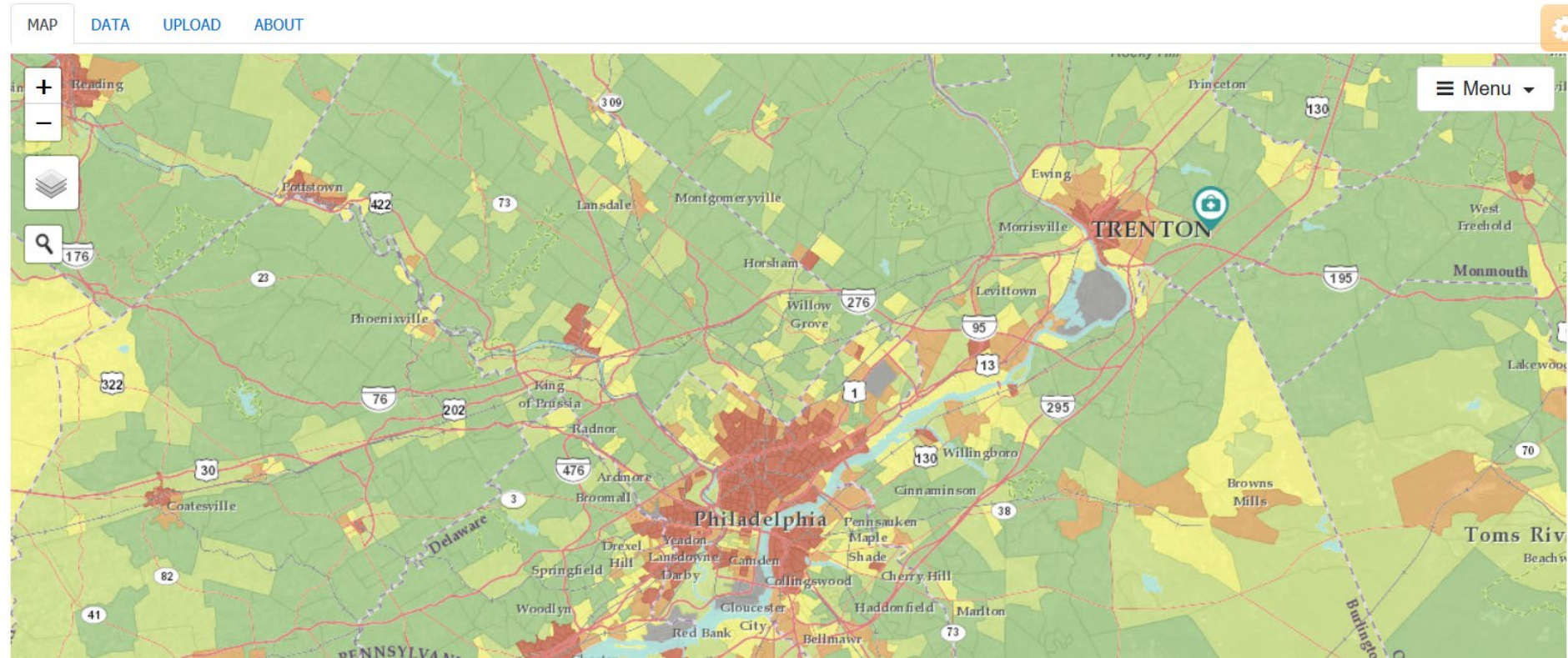
Map Layer



Map Layer - Imagery

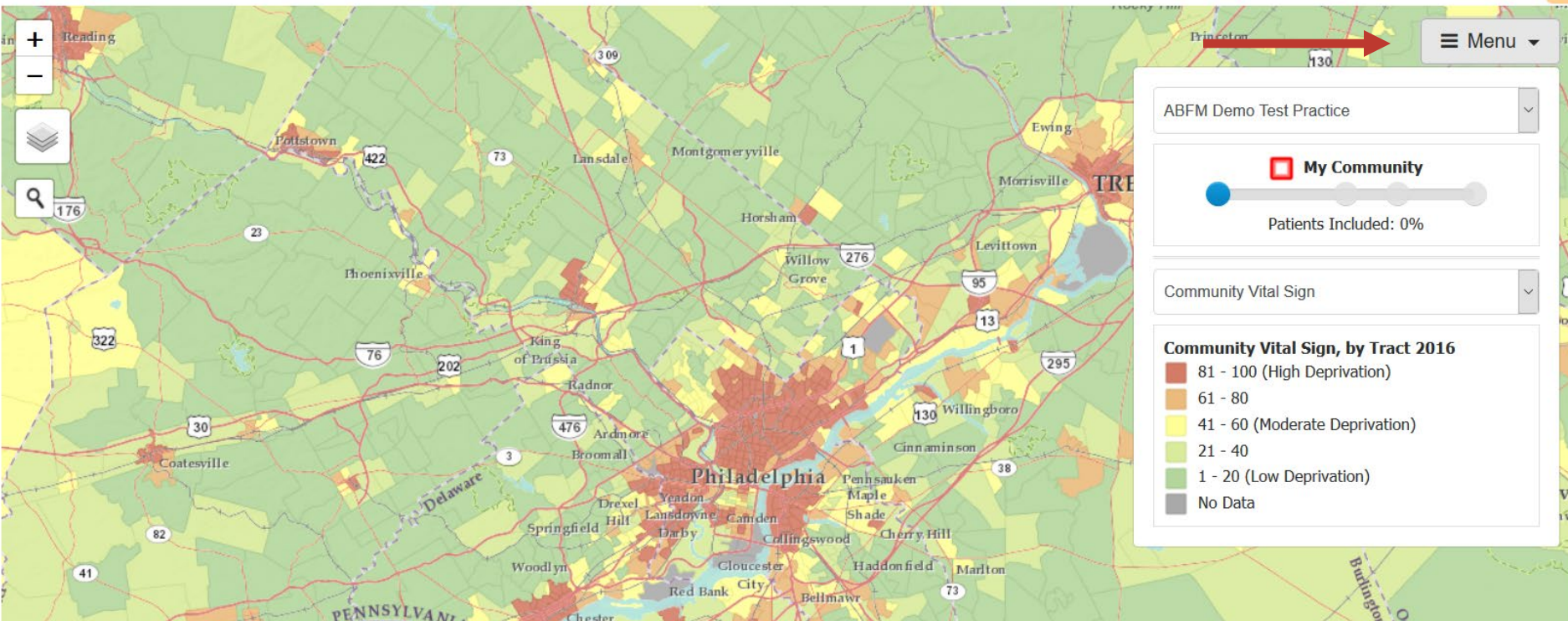


Map Layer – Social Determinant

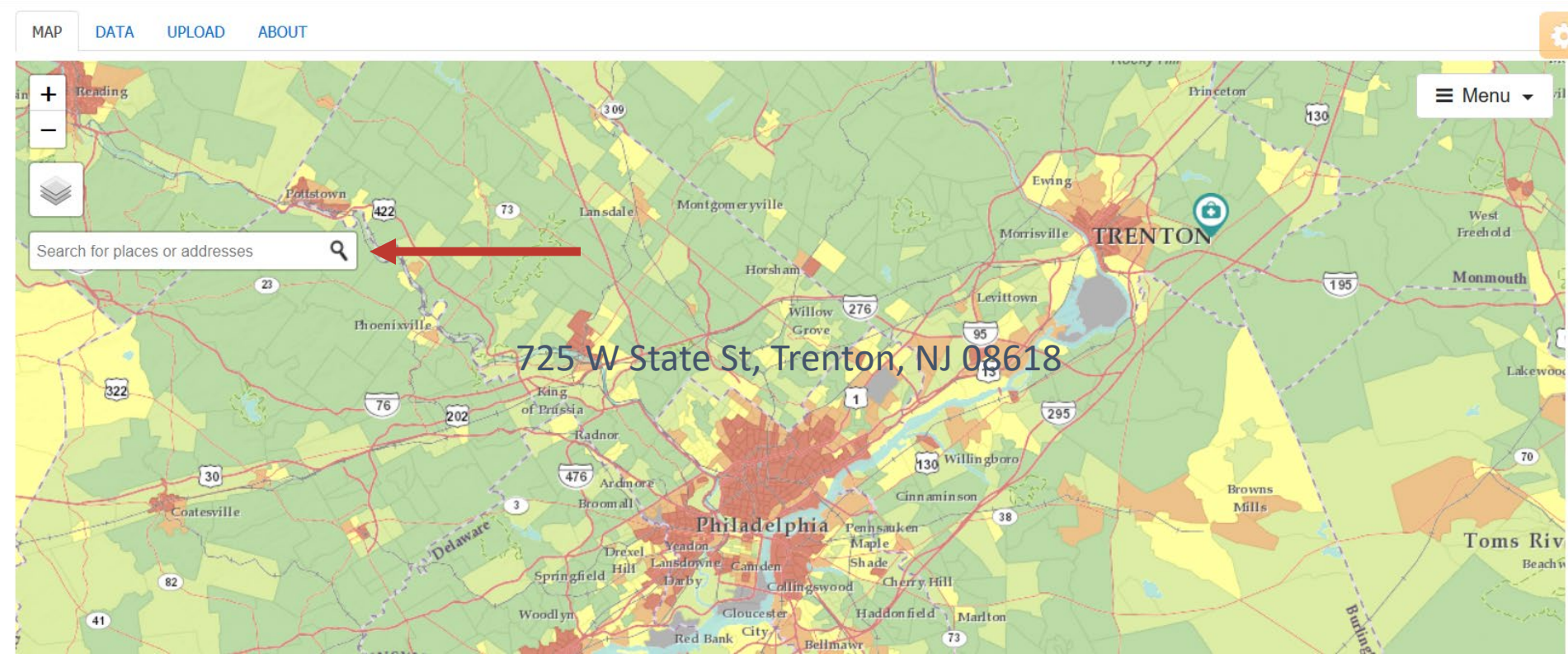


Menu

MAP DATA UPLOAD ABOUT

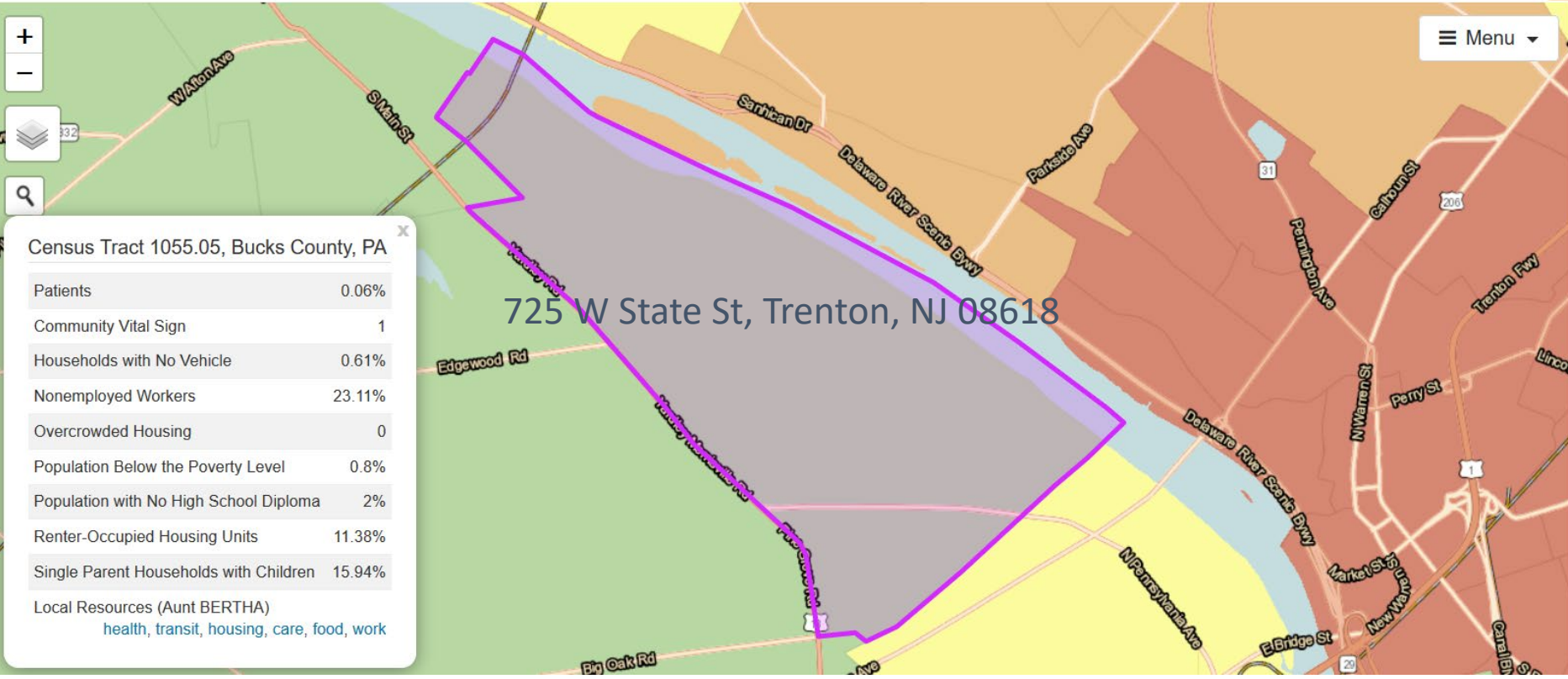


Search



Search

MAP DATA UPLOAD ABOUT





Take home points

- PHATE can be used to:
 - Learn about your community
 - View your service area
 - Identify hot spots of poor disease control or gaps in quality



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