



**Community Profile Snapshots
for Emergency Management:
Using FEMA’s Resilience
Analysis Planning Tool (RAPT)
to Enhance Planning and
Response.**

*A data-driven approach to vulnerability
identification, targeted communication,
and resource allocation.*

Darrell Small, MS, CEM
Prince George’s County, OHS/OEM
February 18, 2025

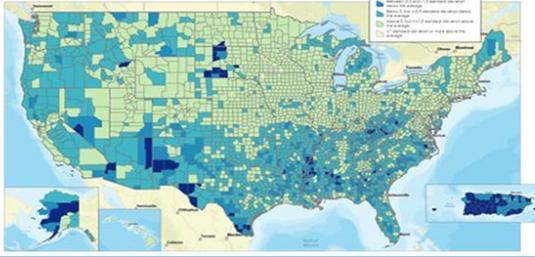


**NATIONAL CAPITAL REGION
PUBLIC HEALTH PREPAREDNESS &
RESPONSE ACADEMY 2026**

PURPOSE AND OBJECTIVE

- **Objective:** Demonstrate how FEMA's Resilience Analysis and Planning Tool (RAPT) enhances Emergency Management planning and response
- **Focus areas:** data-driven insights, actionable snapshots, and inclusive planning
- **Outcome:** Ready-to-use Community Profile Snapshots for decision-making

Source: Prince George's County, OHS/OEM



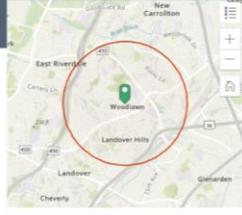
Resilience Analysis and Planning Tool (RAPT)

Community Resilience Indicator Analysis:
Commonly Used Indicators from Peer-Reviewed Research: Updated for Research Published 2003-2021
September 2022
FEMA

Resilience Indicator - Correlation Relationships

Indicator	Positively Correlates With	Negatively Correlates With
Age (adults over 65)	<ul style="list-style-type: none"> Disability ($r = 0.41$) 	<ul style="list-style-type: none"> Population Change ($r = -0.34$) Single-Parent Households ($r = -0.31$) Household Income ($r = -0.59$) Medical Professional Capacity ($r = -0.49$) (access to healthcare)
Lack of High School Diploma	<ul style="list-style-type: none"> Single-Parent Household ($r = 0.53$) Unemployment Rate ($r = 0.50$) Lack of Health Insurance ($r = 0.46$) Presence of Mobile Homes ($r = 0.45$) Population with a Disability ($r = 0.43$) Limited English Language Proficiency ($r = 0.43$) Income Inequality ($r = 0.37$) 	<ul style="list-style-type: none"> Household Income ($r = -0.66$) Medical Professional Capacity ($r = -0.34$) (access to healthcare)
Disability	<ul style="list-style-type: none"> Presence of Mobile Homes ($r = 0.48$) Lack of High School Diploma ($r = 0.43$) Unemployment Rate ($r = 0.41$) Age ($r = 0.41$) 	<ul style="list-style-type: none"> Household Income ($r = -0.51$)
Limited English Language Proficiency	<ul style="list-style-type: none"> Unemployment Rate ($r = 0.52$) Lack of High School Diploma ($r = 0.43$) Lack of Vehicle ($r = 0.33$) 	<ul style="list-style-type: none"> Medical Professional Capacity ($r = -0.41$) (access to healthcare)
Lack of Health Insurance	<ul style="list-style-type: none"> Lack of High School Diploma ($r = 0.46$) Presence of Mobile Homes ($r = 0.37$) Single-Parent Households ($r = 0.59$) Unemployment Rate ($r = 0.50$) Income Inequality ($r = 0.39$) Lack of High School Diploma ($r = 0.34$) Limited English Language Proficiency ($r = 0.33$) 	<ul style="list-style-type: none"> Home Ownership ($r = -0.32$) Household Income ($r = -0.30$)
Lack of Vehicle	<ul style="list-style-type: none"> Single-Parent Households ($r = 0.66$) Limited English Language Proficiency ($r = 0.52$) Lack of High School Diploma ($r = 0.50$) Lack of Vehicle ($r = 0.50$) Disability ($r = 0.41$) 	<ul style="list-style-type: none"> Household Income ($r = -0.50$)
Unemployment Rate	<ul style="list-style-type: none"> Single-Parent Households ($r = 0.66$) Lack of Vehicle ($r = 0.59$) Lack of High School Diploma 	<ul style="list-style-type: none"> Household Income ($r = -0.48$) Age ($r = -0.31$)
Single-Parent Household (of all)	<ul style="list-style-type: none"> Unemployment Rates ($r = 0.66$) Lack of Vehicle ($r = 0.59$) Lack of High School Diploma 	<ul style="list-style-type: none"> Household Income ($r = -0.48$) Age ($r = -0.31$)

AT RISK POPULATION PROFILE
Feature 34



23,318	7,212	3.23	34.9	\$80,957	\$369,257
Population	Households	Avg Size Household	Median Age	Median Household Income	Median Home Value

AT RISK POPULATION

1,884	2,619	774
Households With Disability	Population 65+	Households Without Vehicle

POVERTY AND LANGUAGE

9%	647	113
Households Below the Poverty Level	Households Below the Poverty Level	Pop 65+ Speak Spanish & No English

POPULATION AND BUSINESSES

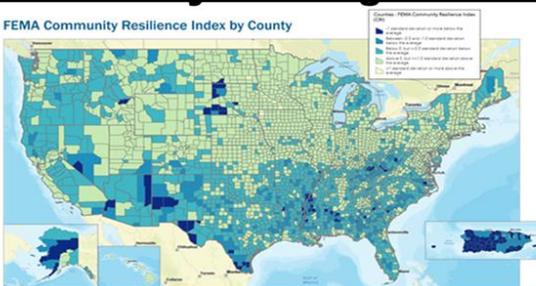
15,283	430	4,918
Captive Population	Total Businesses	Total Employees

Language Spoken (ACS)

- English Only
- Spanish
- Spanish & English Well
- Spanish & English Not Well
- Spanish & No English
- Indo-European
- Indo-European & English Well
- Indo-European & English Not Well
- Indo-European & No English
- Asian-Pacific Island
- Asian-Pacific Is & English Well
- Asian-Pacific Is & English Not Well
- Asian-Pacific Is & No English
- Other Language
- Other Language & English Well
- Other Language & English Not Well
- Other Language & No English

FEMA's Resilience Analysis and Planning Tool (RAPT)

Data



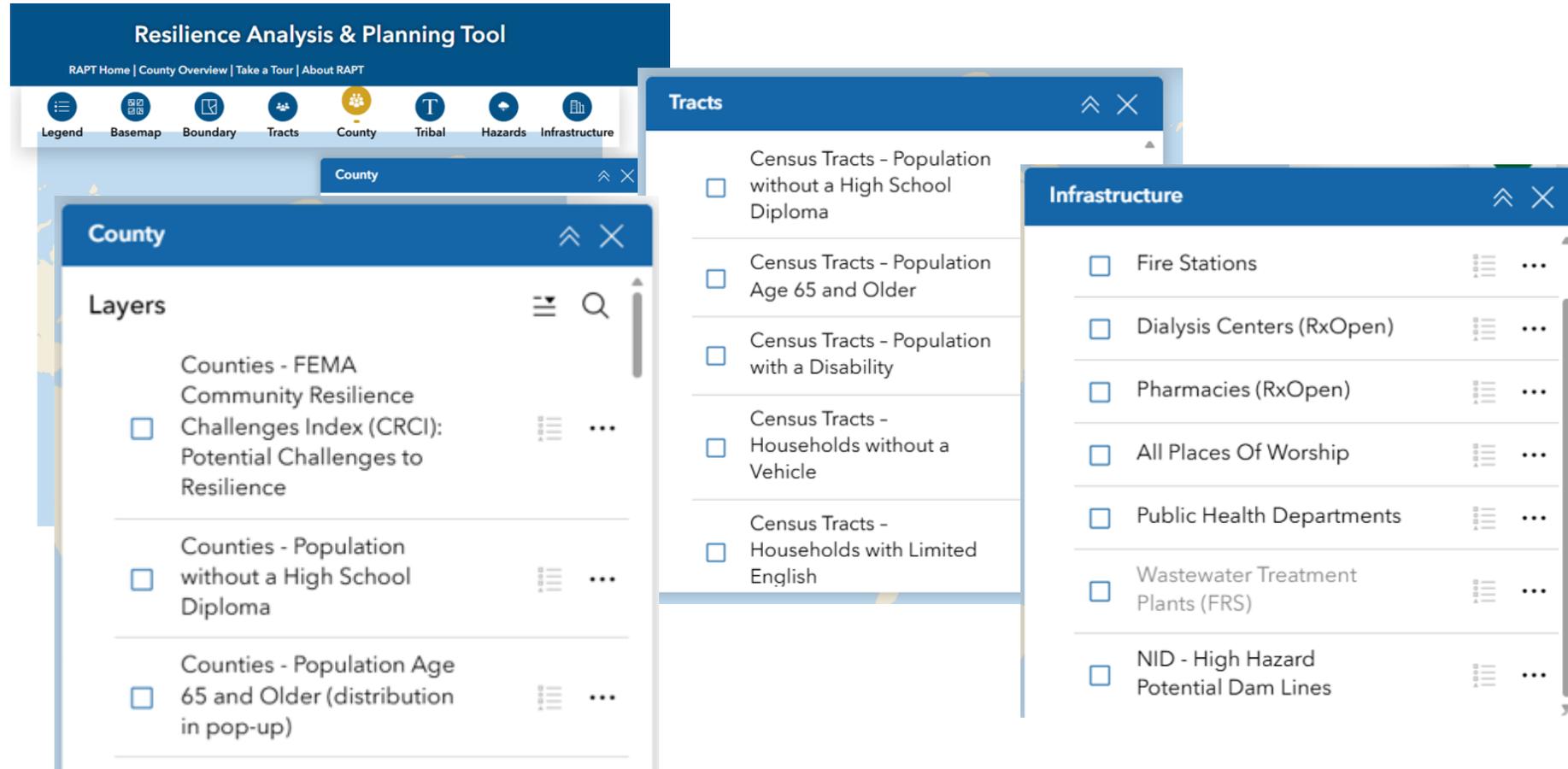
FEMA Community Resilience Index by County

Resilience Analysis and Planning Tool (RAPT)

Community Resilience Indicator Analysis:

Commonly Used Indicators from Peer-Reviewed Research:
Updated for Research Published 2003-2021

September 2022



Resilience Analysis & Planning Tool

RAPT Home | County Overview | Take a Tour | About RAPT

Legend Basemap Boundary Tracts County Tribal Hazards Infrastructure

County

Layers

- Counties - FEMA Community Resilience Challenges Index (CRCI): Potential Challenges to Resilience
- Counties - Population without a High School Diploma
- Counties - Population Age 65 and Older (distribution in pop-up)

Tracts

- Census Tracts - Population without a High School Diploma
- Census Tracts - Population Age 65 and Older
- Census Tracts - Population with a Disability
- Census Tracts - Households without a Vehicle
- Census Tracts - Households with Limited English

Infrastructure

- Fire Stations
- Dialysis Centers (RxOpen)
- Pharmacies (RxOpen)
- All Places Of Worship
- Public Health Departments
- Wastewater Treatment Plants (FRS)
- NID - High Hazard Potential Dam Lines

RAPT Data Collection

Resilience Analysis and Planning Tool (RAPT) Data Layers: People and Community

Population Characteristics

- Population without a High School Education
- Population 65 and Older
- Population with a Disability
- Population by Race and Hispanic Origin

Household Characteristics

- Households without a Vehicle
- Households with Limited English
- Single-Parent Households
- Households without a Smartphone
- Households without Broadband Subscription

Housing

- Mobile Homes as Percentage of Housing
- Owner-Occupied Housing
- Rental Housing Costs
- Residential Structures in SHFA with Flood Insurance



Healthcare

- Number of Hospitals
- Medical Professional Capacity
- Population without Health Insurance
- Medicare Recipients with Power-Dependent Devices



Economic

- Population Below Poverty Level
- Median Household Income
- Unemployed Labor Force
- Unemployed Women Labor Force
- Income Inequality
- Workforce in Predominant Sector



Connection to Community

- Presence of Civic and Social Organizations
- Population without Religious Affiliation
- Percentage of Inactive Voters
- Population Change



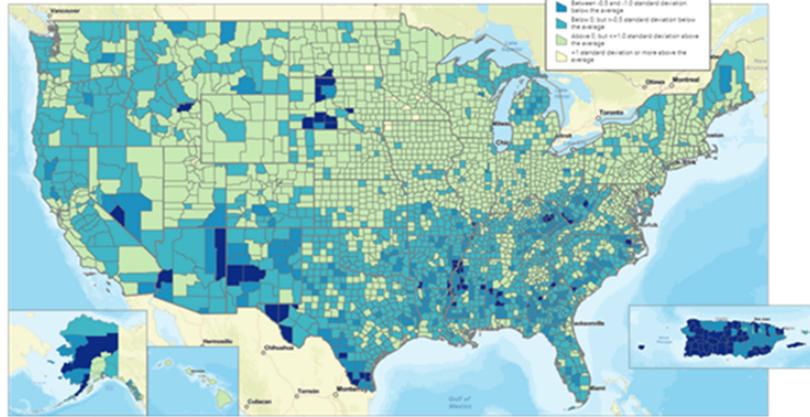
FEMA

County and Census Tract Community Resilience Index (CRI) combining 22 indicators.

Community Resilience focused Indicators

Community Resilience Indicator Analysis using the

FEMA Community Resilience Index by County



Resilience Analysis and Planning Tool (RAPT)

Population-focused Indicators

CRIA Indicators	Indicator Focused	Category
1 Unemployed labor force	Population-Focused	Economic
2 Population without a high school diploma	Population-Focused	Population Characteristics
3 Households without a vehicle	Population-Focused	Household Characteristics
4 Population age 65 and older	Population-Focused	Population Characteristics
5 Population with a disability	Population-Focused	Population with a Disability
6 Households with limited English	Population-Focused	Household Characteristics
7 Single-parent households	Population-Focused	Household Characteristics
8 Unemployed women labor force*	population-Focused	Economic
9 Median household income	Population-Focused	Economic
10 Income inequality	Population-Focused	Economic
11 Owner-occupied housing	Population-Focused	Housing
12 Workforce in predominant sector*	Population-Focused	Economic
13 Households without a smartphone*	Population-Focused	Household Characteristics
14 Population below poverty level*	Population-Focused	Economic

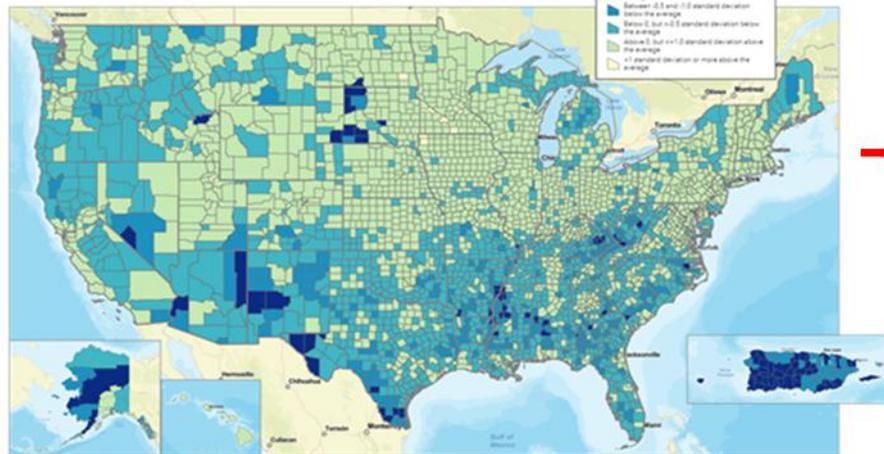
Community-focused Indicators

CRIA Indicators	Indicator Focused	Category
1 Percent of inactive voters*	Community-Focused	Economic
2 Number of hospitals	Community-Focused	Healthcare
3 Medical professional capacity	Community-Focused	Healthcare
4 Population without health insurance	Community-Focused	Healthcare
5 Presence of civic and social organizations	Community-Focused	Connection to Community
6 Population change	Community-Focused	Connection to Community
7 Population without religious affiliation	Community-Focused	Connection to Community
8 Mobile homes as percentage of housing	Community-Focused	Housing
9 Public school capacity	Community-Focused	Connection to Community
10 Rental property capacity	Community-Focused	Housing
11 Hotel/motel capacity	Community-Focused	Housing

RAPT Data Collection

Community Resilience Indicator Analysis using the

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Single-Parent Household (of all family households)	<ul style="list-style-type: none"> Unemployment Rates (r = 0.66) Lack of Vehicle (r = 0.59) Lack of High School Diploma (r = 0.53) Income Inequality (r = 0.49) 	<ul style="list-style-type: none"> Household Income (r = -0.48) Age (r = -0.31)
Presence of Mobile Homes	<ul style="list-style-type: none"> Disability (r = 0.48) Lack of High School Diploma (r = 0.45) Lack of Health Insurance (r = 0.37) 	<ul style="list-style-type: none"> Household Income (r = -0.42) Medical Professional Capacity (r = -0.39) (access to healthcare)

Community Profile Snapshot

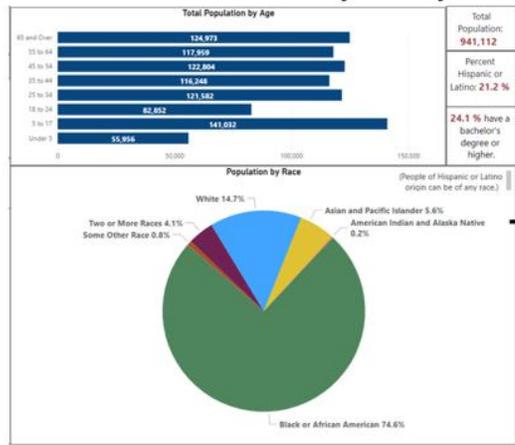
Use Case

Community Resilience Initiative – Lessons Learned

Assessment



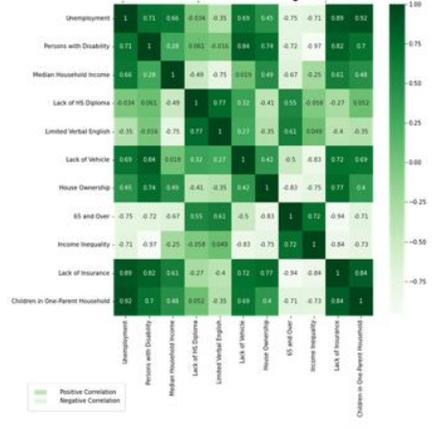
U.S. Census Bureau's American Community Survey



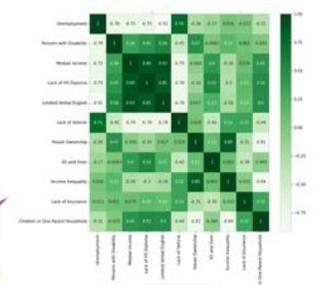
Resilience Indicators Correlation Matrix

Indicator	Age 65 and Over	Persons with Disability	Median Household Income	Lack of HS Diploma	Limited Verbal English	Lack of Vehicle	House Ownership	65 and Over	Income Inequality	Income Insecurity	Lack of Insurance	Children in One-Parent Household
Age 65 and Over	1	0.12	-0.04	0.08	-0.16	-0.13	-0.10	0.30	0.07	-0.11	0.13	0.08
Persons with Disability	0.12	1	0.08	-0.04	0.02	0.01	0.01	0.01	0.01	0.01	0.01	0.01
Median Household Income	-0.04	0.08	1	-0.04	-0.04	-0.04	-0.04	-0.04	-0.04	-0.04	-0.04	-0.04
Lack of HS Diploma	0.08	-0.04	-0.04	1	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08
Limited Verbal English	-0.16	0.02	-0.04	0.08	1	0.16	0.16	0.16	0.16	0.16	0.16	0.16
Lack of Vehicle	-0.13	0.01	-0.04	0.08	0.16	1	0.13	0.13	0.13	0.13	0.13	0.13
House Ownership	-0.10	0.01	-0.04	0.08	0.16	0.13	1	0.10	0.10	0.10	0.10	0.10
65 and Over	0.30	0.01	-0.04	0.08	0.16	0.13	0.10	1	0.30	0.30	0.30	0.30
Income Inequality	0.07	0.01	-0.04	0.08	0.16	0.13	-0.04	0.30	1	0.07	0.07	0.07
Income Insecurity	-0.11	0.01	-0.04	0.08	0.16	0.13	0.10	0.30	0.07	1	-0.11	-0.11
Lack of Insurance	0.13	0.01	-0.04	0.08	0.16	0.13	0.10	0.30	0.07	-0.11	1	0.13
Children in One-Parent Household	0.08	0.01	-0.04	0.08	0.16	0.13	0.10	0.30	0.07	0.07	0.13	1

Highlighted Correlation Relationships

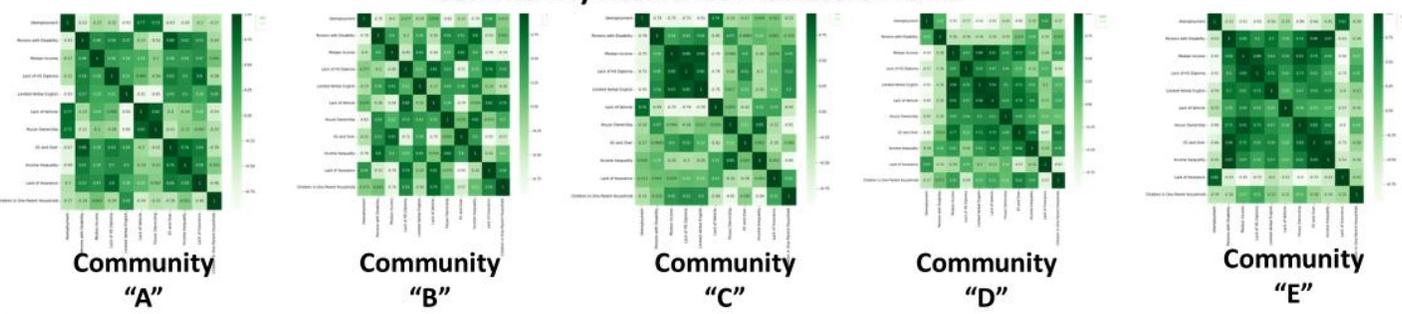


Community Resilience Indicator Analysis



Community Resilience Profile

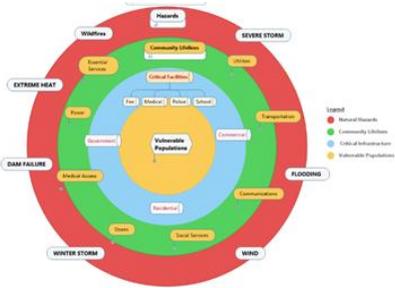
Community Resilience Indicators Profile



Community Resilience Initiative – Lessons Learned

Assessment

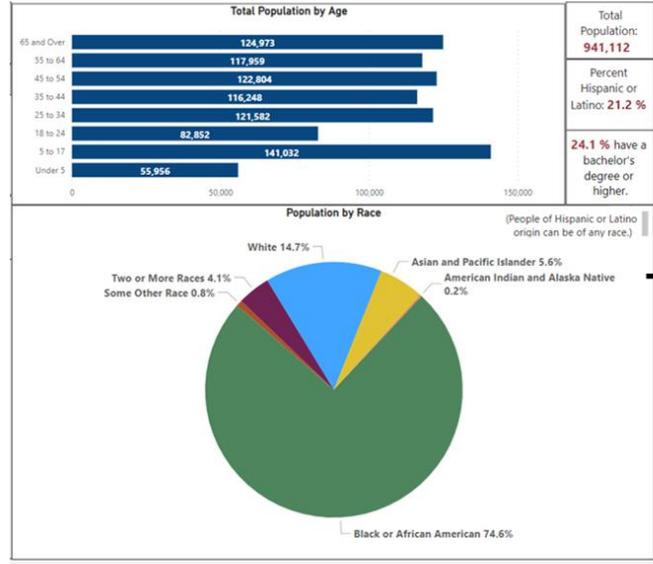
Hazard & Vulnerability



Risk Assessment



U.S. Census Bureau's American Community Survey

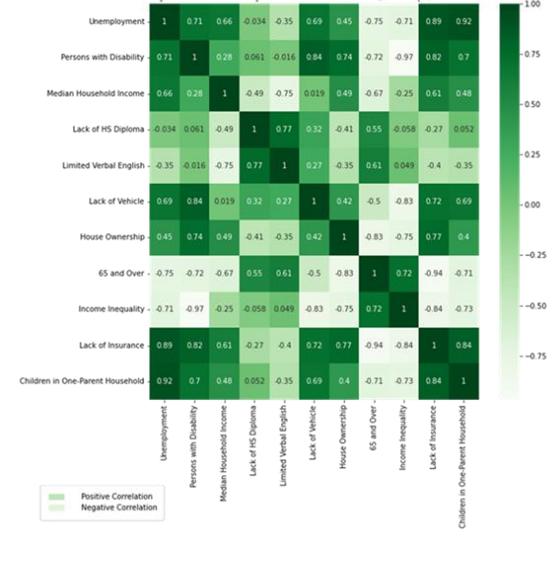


Resilience Indicators Correlation Matrix

	Age 65 and Older	Lack of HS Diploma	Disability	Limited English Language Proficiency	Lack of Health Insurance	Lack of Vehicle	Unemployment Rate	Home Ownership	Income Inequality	Household Income	Homelessness	Presence of Mobile Home	Lack of School Capacity	Medical Professional Capacity	Hospital Capacity	Hotel/Motel Capacity	Rental Property Capacity	Affiliation with Religion	Connection to Civic and Social	Population Change
Age 65 and Older	1.00	-0.12	0.40	-0.06	-0.15	-0.10	-0.20	0.02*	-0.11	-0.13	0.13	0.23	-0.08	0.25	0.13	0.09	0.01*	0.20	0.12	
Lack of HS Diploma	-0.12	1.00	0.42	0.47	0.32	0.48	-0.58	0.35	-0.21	0.26	0.45	-0.09	-0.48	-0.01*	-0.11	-0.01*	0.02*	-0.15	-0.19	
Disability	0.40	0.42	1.00	0.08	0.16	0.40	-0.45	0.26	-0.19	0.19	0.47	-0.01*	-0.31	0.05	-0.06	0.02*	-0.02*	-0.02*	-0.05	
Limited English Language Proficiency	-0.06	0.47	0.08	1.00	0.11	0.36	-0.26	0.15	-0.28	0.17	0.35	0.09	-0.40	0.07	0.10	0.13	0.08	-0.07	-0.04	
Lack of Health Insurance	0.15	0.32	0.16	0.32	1.00	0.49	-0.30	0.38	-0.33	0.34	-0.05	-0.01*	-0.10	-0.08	-0.05	-0.04	-0.02*	0*	-0.34	
Lack of Vehicle	-0.10	0.48	0.40	0.52	0.16	1.00	-0.49	0.40	-0.25	0.35	0.36	-0.12	-0.28	-0.11	-0.06	-0.03*	-0.11	-0.12	-0.12	
Unemployment Rate	-0.20	-0.58	-0.45	-0.31	-0.26	-0.30	-0.49	1.00	-0.42	0.35	-0.38	-0.42	-0.09	0.42	-0.13	0.01*	-0.06	-0.05	-0.02*	
Home Ownership	0.02*	0.35	0.26	0.27	0.15	0.38	0.40	-0.41	1.00	-0.14	0.40	0.16	-0.10	-0.05	-0.06	-0.08	0.04	-0.02*	-0.10	
Household Income	-0.11	-0.21	-0.19	-0.12	-0.28	-0.33	-0.25	0.35	-0.34	1.00	-0.30	-0.11	0.29	-0.08	-0.31	-0.28	0.02*	-0.11	0.15	
Homelessness	0.13	0.26	0.19	0*	0.17	0.34	0.35	-0.38	0.40	-0.30	1.00	0.16	-0.21	-0.11	-0.15	-0.06	0*	-0.01*	-0.09	
Presence of Mobile Home	0.13	0.45	0.47	-0.20	0.35	-0.05	0.16	-0.42	0.16	-0.11	0.16	1.00	0*	0.43	0.02*	0*	0.01*	-0.11	-0.08	
Lack of School Capacity	0.23	-0.09	-0.01*	1.00	0.01*	-0.12	-0.09	-0.10	-0.21	0*	1.00	-0.18	0.37	0.32	0.10	0.21	0.27	-0.21	-0.23	
Medical Professional Capacity	0.08	-0.48	-0.33	-0.13	-0.40	-0.10	-0.28	0.43	-0.05	0.29	-0.11	-0.41	-0.18	1.00	-0.09	-0.07	-0.06	0.01*	0.13	
Hospital Capacity	0.25	-0.01*	0.05	-0.01*	0.07	-0.06	-0.11	-0.11	-0.06	-0.15	0.02*	0.17	-0.00	0.09	1.00	0.21	0.10	0.26	0.29	
Hotel/Motel Capacity	0.13	-0.11	-0.06	-0.02*	0.10	-0.05	-0.08	0.01*	-0.08	-0.31	-0.06	0*	0.32	-0.07	0.33	1.00	0.25	0.05	0.24	
Rental Property Capacity	0.09	-0.02*	0.02*	0.01*	0.13	-0.04	-0.03*	-0.06	0.04	-0.28	0*	0.03	0.10	-0.06	0.10	0.25	1.00	0.00	0.07	
Affiliation with Religion	0.01*	0.02*	-0.07	0.02*	0.09	-0.07	-0.11	-0.05	0.02*	-0.01*	-0.11	0.21	0.01*	0.26	0.05	0.09	0.01*	1.00	0.14	
Connection to Civic and Social	0.20	-0.15	-0.02*	-0.05	-0.07	0*	-0.12	-0.02*	-0.10	-0.11	-0.09	-0.08	0.27	-0.02*	0.29	0.24	0.07	0.14	1.00	
Population Change	0.12	-0.19	-0.05	-0.01*	-0.04	-0.24	-0.11	0.25	-0.05	0.15	-0.19	-0.01*	-0.23	-0.13	-0.20	-0.08	-0.10	-0.23	-0.15	

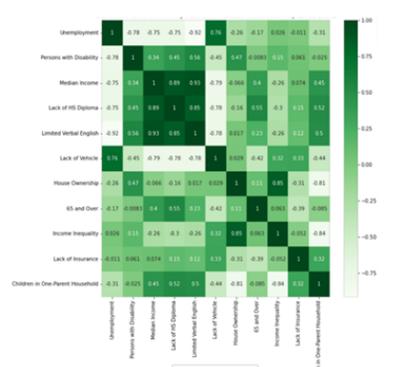
*not statistically significant
Positive relationships have green shading (no minus sign)
Negative relationships have blue shading (with minus sign)

Highlighted Correlation Relationships



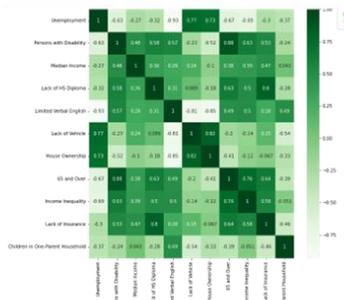
Community Resilience Indicators Profile

Community Resilience Indicator Analysis

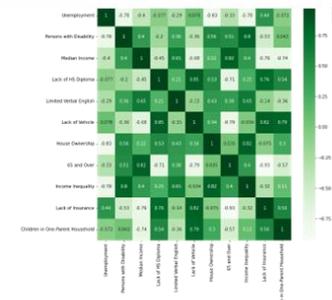


Community Resilience Profile

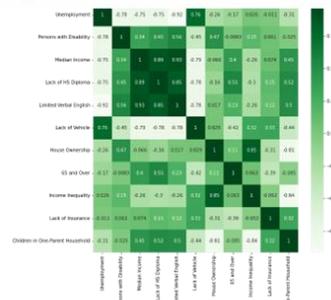
Community "A"



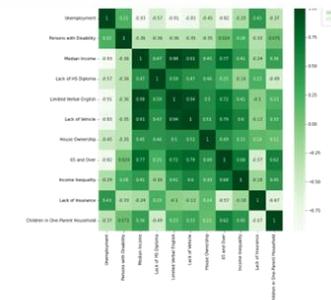
Community "B"



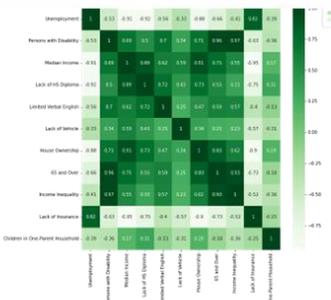
Community "C"



Community "D"



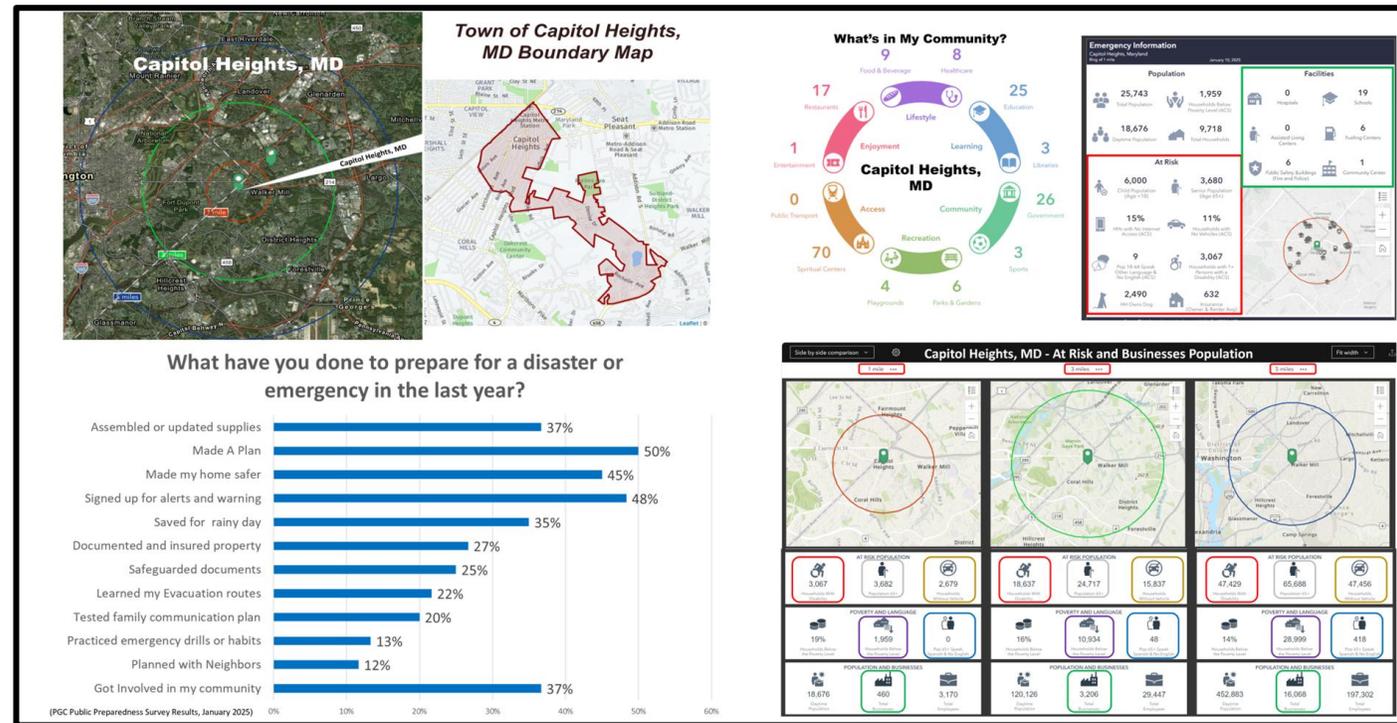
Community "E"



What is a Community Profile Snapshot?

- A concise, data-driven view of a community's emergency management landscape
- Integrates four components: GIS Mapping, Community Demographic Profile, At-Risk Population Profile, Preparedness Survey Profile.
- Designed to support targeted actions and resource allocation

Community Profile Snapshot



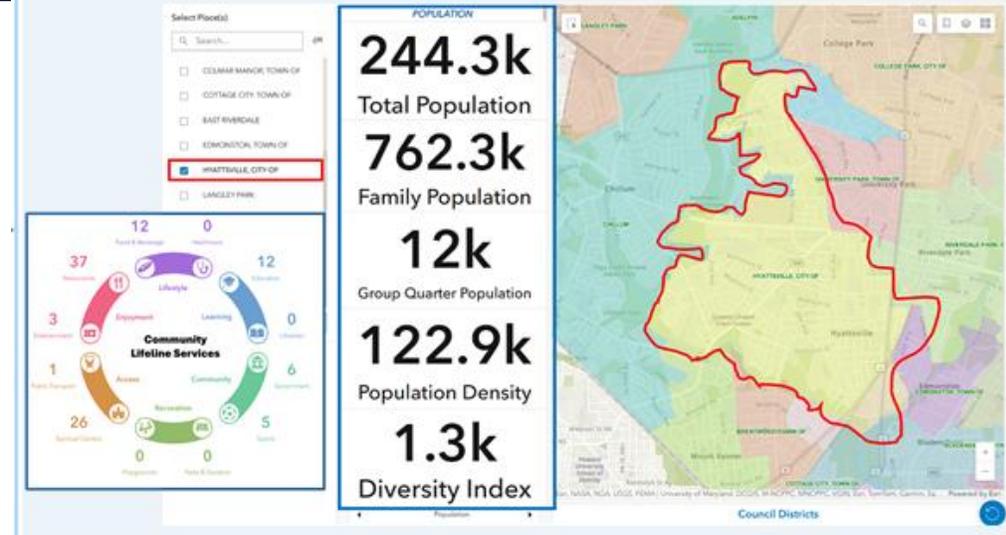
Community Profile Snapshot

Components

Geographic Information System (GIS) Mapping



Community Demographic Profile



At Risk Population Profile



Emergency Preparedness Survey Profile

What have you done to prepare for a disaster or emergency in the last year?

Taking Action to Prepare for a Disaster



Source: Prince George's County, MD/EM

Community Profile Snapshot

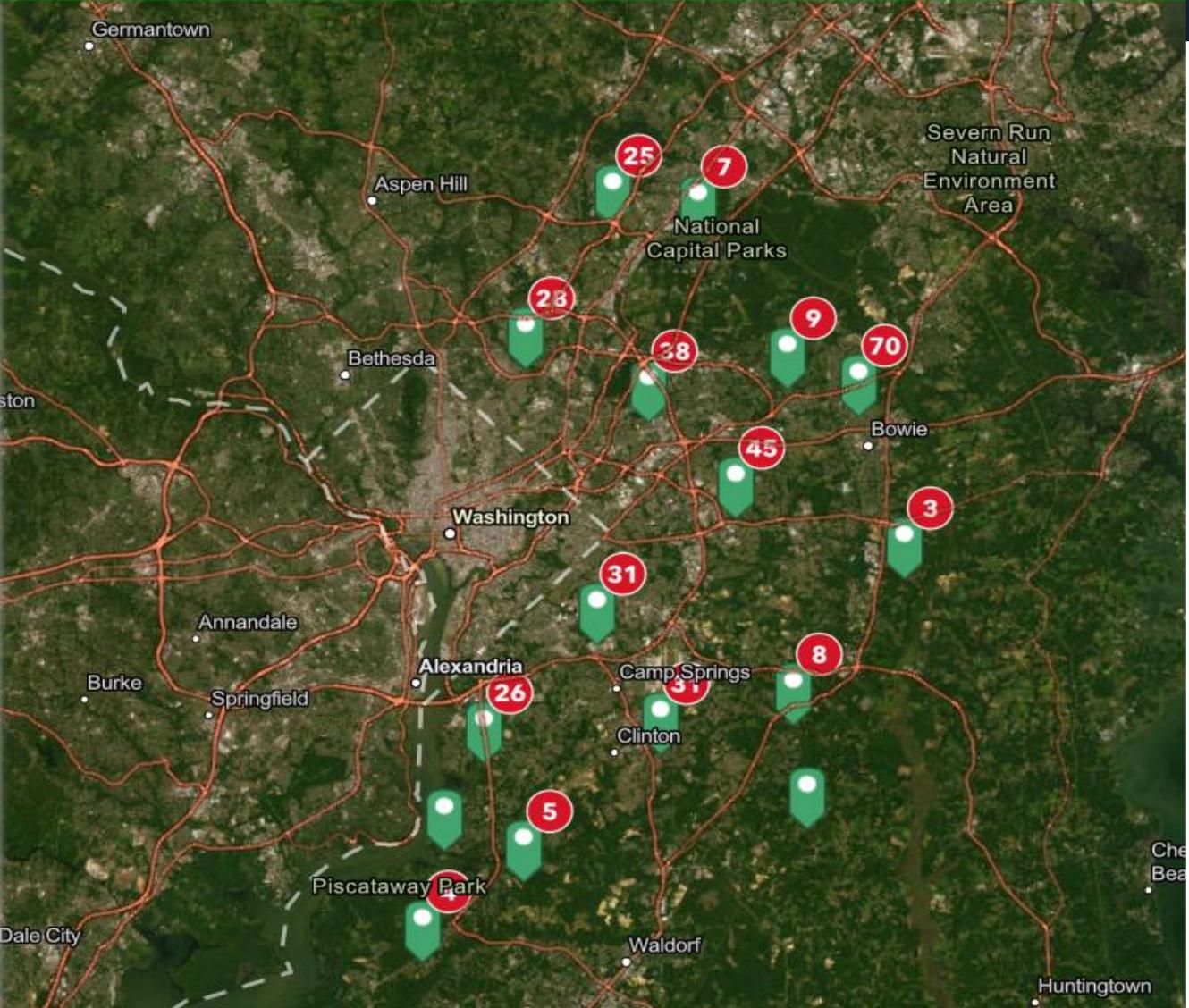
GIS Mapping

Community Lifelines ▾ Add data Create maps Define areas Run analysis Share results

projects > Community Lifelines 🔍 🏠 📄 ↻

Time	Date	...
> <input type="checkbox"/> 📍 Public Health Departme...	09/30/2023	...
> <input type="checkbox"/> 📍 Private Schools (1)	09/30/2023	...
> <input type="checkbox"/> 📍 Hospitals	09/30/2023	...
> <input checked="" type="checkbox"/> 📍 Nursing Homes (1)	09/30/2023	...
> <input type="checkbox"/> 📍 Prison Boundaries (1)	09/30/2023	...
> <input type="checkbox"/> 📍 Places of Worship (1)	09/30/2023	...
> <input type="checkbox"/> 📍 High Hazard Dam Lines	09/30/2023	...
> <input type="checkbox"/> 📍 Urgent Care Facilities (1)	09/30/2023	...
> <input type="checkbox"/> 📍 Mobile Home Parks (1)	09/29/2023	...

View full table

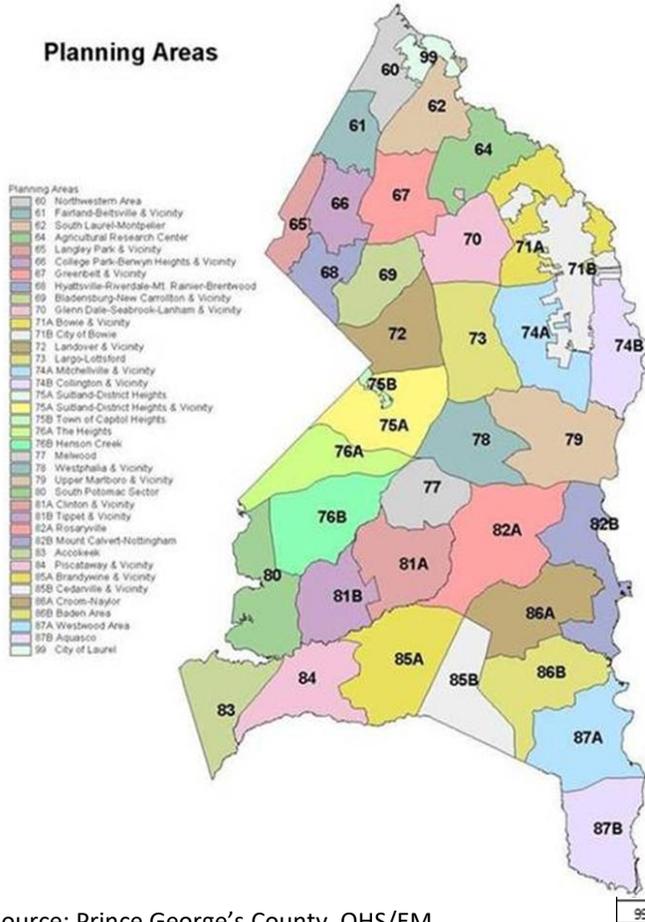


Community Profile Snapshot

Application

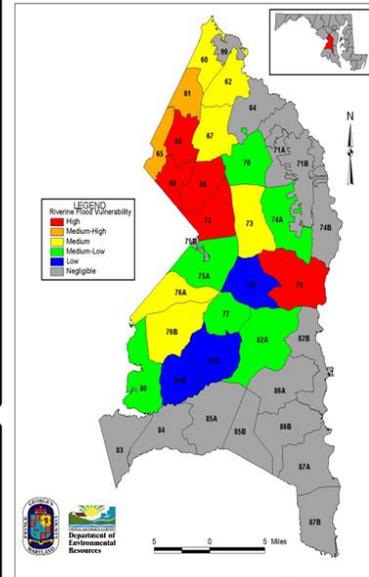
Prince George's County Threat and Hazard Identification and Risk Assessment (THIRA)

Planning Areas

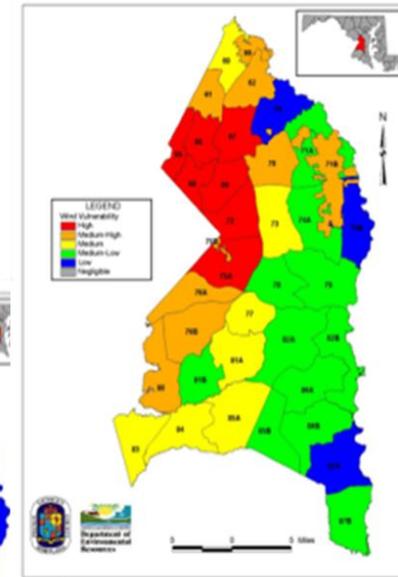


Name	Multi-Hazard Vulnerability Ind
Northwestern Area	Medium-Low
Fairland-Beltsville & Vicinity	Medium-High
South Laurel-Montpelier	Medium
Agricultural Research Center	Low
Langley Park & Vicinity	Medium-High
College Park-Berwyn Heights & Vicinity	High
Greenbelt & Vicinity	High
Hyattsville-Riverdale-Mt. Rainier-Brentwood	Medium-High
Bladensburg-New Carrollton & Vicinity	High
Sienn Dale-Seabrook-Lanham & Vicinity	Medium-High
Bowie & Vicinity	Medium-Low
City of Bowie	Medium-High
Landover & Vicinity	High
Largo-Lottsford	Medium-High
Mitchellville & Vicinity	Medium
Collington & Vicinity	Low
Suitland-District Heights & Vicinity	High
Town of Capitol Heights	Low
The Heights	High
Henson Creek	High
Melwood	Low
Westphalia & Vicinity	Medium
Upper Marlboro & Vicinity	Medium-High
South Potomac Sector	High
Clinton & Vicinity	Medium
Tippett & Vicinity	Medium-Low
Rosaryville	Medium-High
Mount Calvert-Nottingham	Medium-Low
Accokeek	Medium
Piscataway & Vicinity	Medium-Low
Brandywine & Vicinity	Medium-Low
Cedarville & Vicinity	Low
Croom-Naylor	Low
Baden Area	Medium-Low
Westwood Area	Low
Aquasco	Medium-Low
99 City of Laurel	Medium-Low

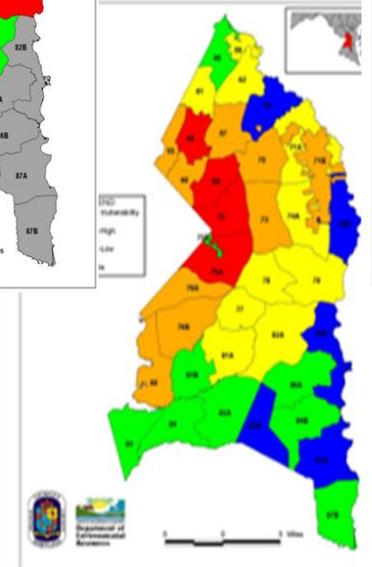
RIVERINE FLOODING



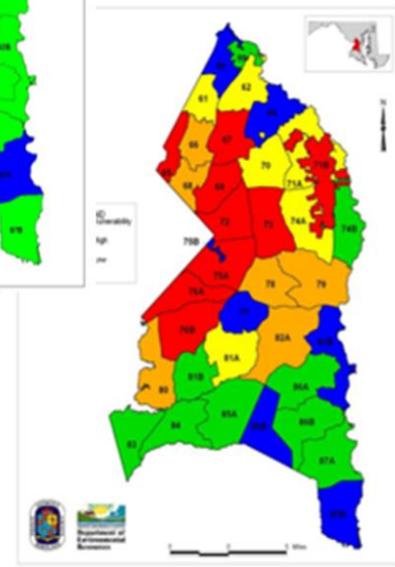
WINTER STORM



SEVERE STORM



EXTREME HEAT

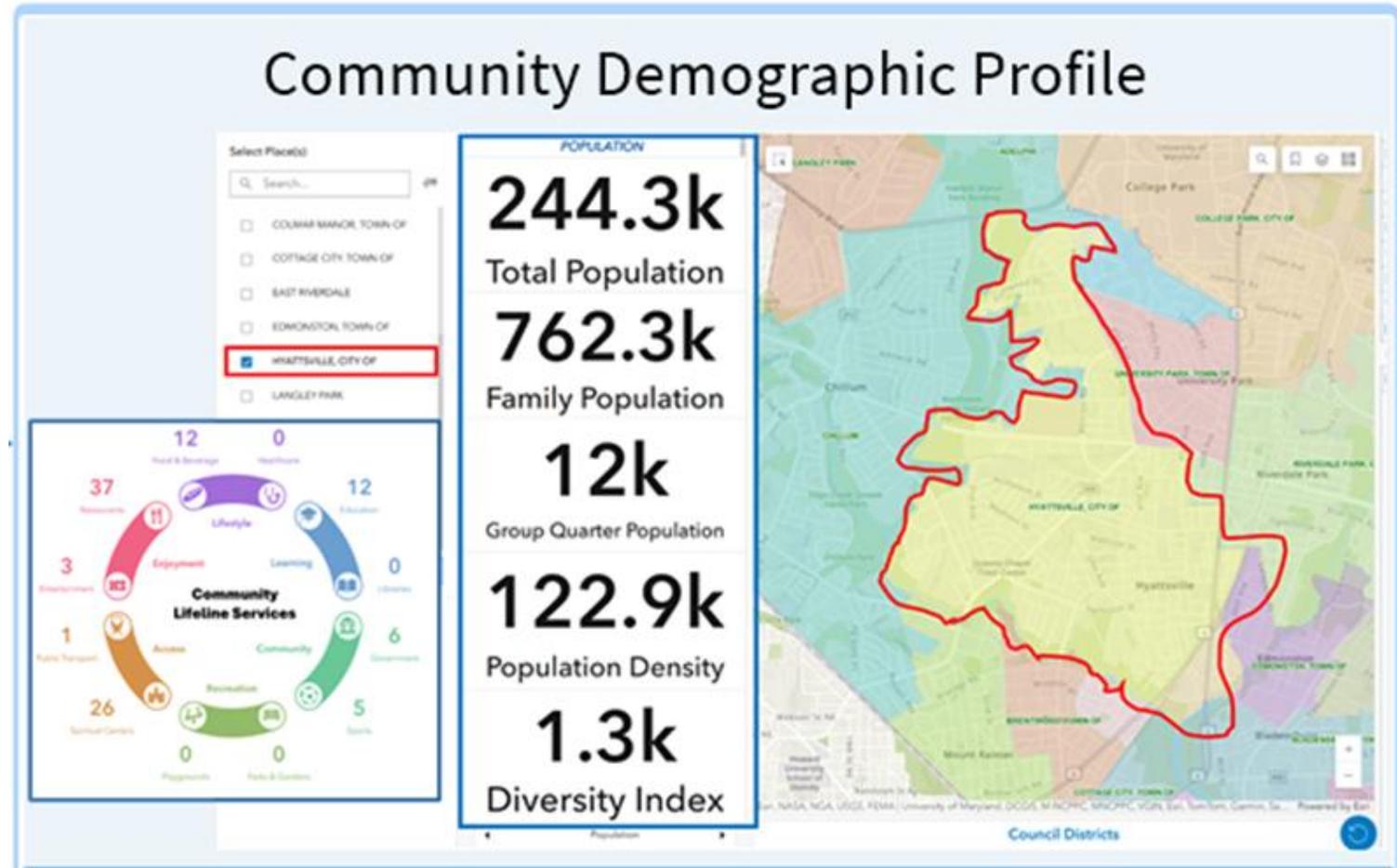


Source: Prince George's County, Department of Environment Resources

Source: Prince George's County, OHS/EM

Community Profile Snapshot Demographic

- **Purpose:** understand population characteristics (age, language, income, housing)
- **Key factors:** age distribution, language needs, access to services
- **Use:** tailor messages, prioritize supports, identify language-access gaps



Community Engagement:



Whole 
Community
Emergency
Management
Planning

A promotional poster for the Public Preparedness Survey. The background is a collage of emergency supplies like a fire extinguisher, first aid kit, and tools. A central image shows a woman and two children looking at a box. Text includes "Office of Homeland Security", "PUBLIC PREPAREDNESS Survey", and a QR code. A Prince Georges Proud logo is in the top right.



It's time to take action! We can save lives during a disaster by being ready!
Complete the survey: oem.mypgc.us/GetPrepared



**Creating Resilient Community through Outreach,
Preparedness Assessment and Training**

Community Profile Snapshot Preparedness

Public Preparedness Survey Results

Taking Action to Prepare for a Disaster or Emergency

What have you done to prepare for a disaster or emergency?



Source:

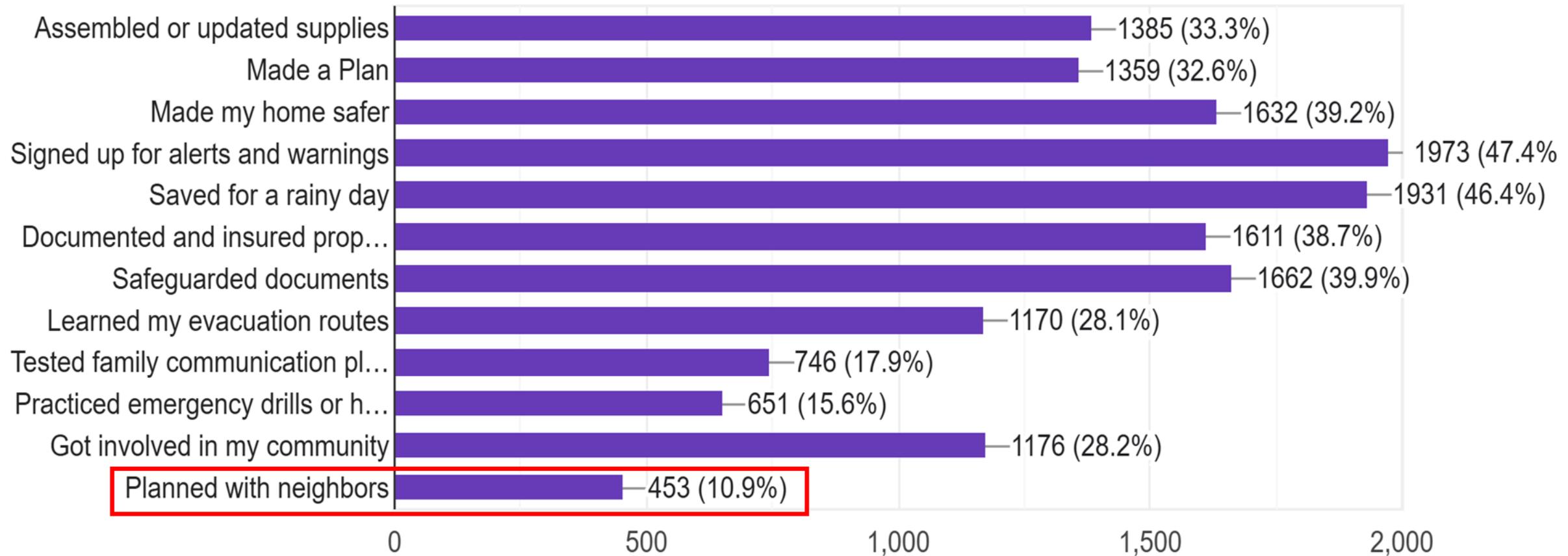
Legend: **Gold #** represent: Local Response; **Black #** - represent: National response

The Value of Snapshots

Lessons Learned

What have you done to prepare for a disaster or emergency in the last year?

4,163 responses



The Value of Snapshots

- Improves vulnerability identification of specific groups (elderly, non-English speakers, low-income households)
- Enables tailored communication and outreach
- Guides efficient resource deployment (transportation, supplies, shelter)
- Supports culturally sensitive training and protocols

At-Risk Populations



Children



People who live in institutional settings



People with Disabilities



People with Chronic Conditions



Limited English Proficiency and Non-English Speakers



People of Low Socioeconomic Status



Older Adults



Pregnant Women



People with Pharmacological Dependency



People with Limited Access to Transportation



Individuals Experiencing Homelessness

At-Risk Population Profile

How RAPT Supports Each Component



At-Risk Populations



Children



People who live in institutional settings



People with Disabilities



People with Chronic Conditions



Limited English Proficiency and Non-English Speakers



People of Low Socioeconomic Status



Older Adults



Pregnant Women



People with Pharmacological Dependency



People with Limited Access to Transportation



Individuals Experiencing Homelessness

How RAPT Supports Each Component

Practical Workflow (Example)

Step 1: Define geographic scope (county, city, or neighborhood)

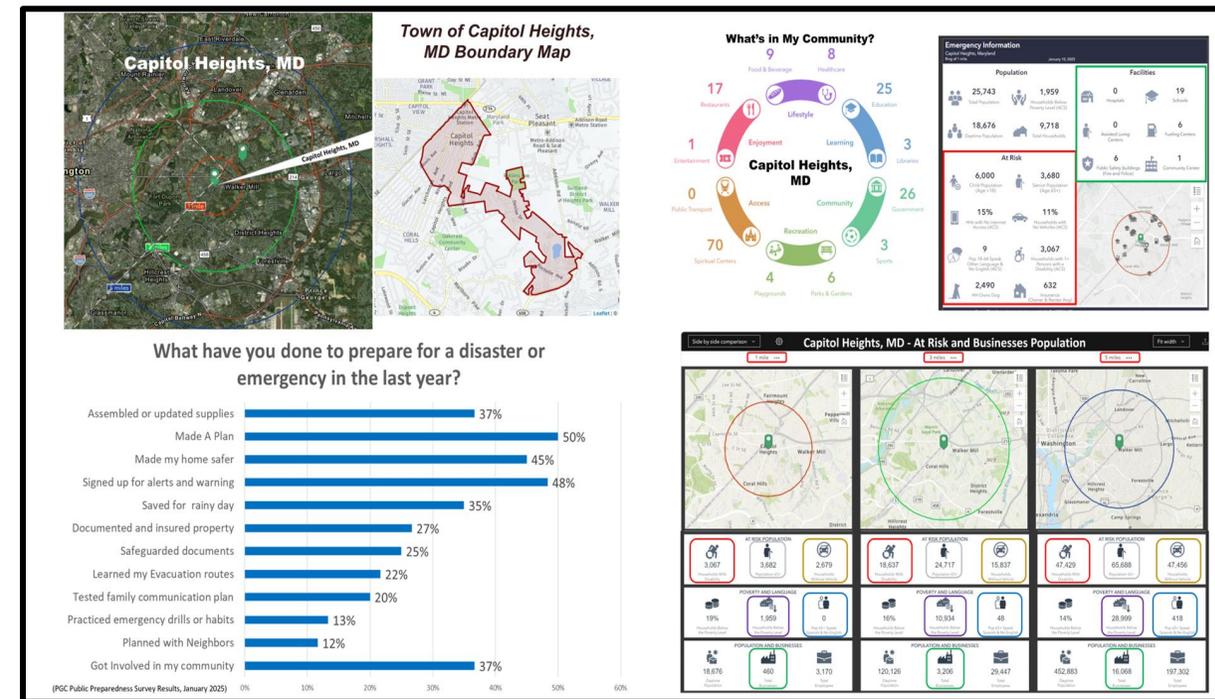
Step 2: Generate GIS overlays for hazards and resources

Step 3: Build Demographic and At-Risk Profiles

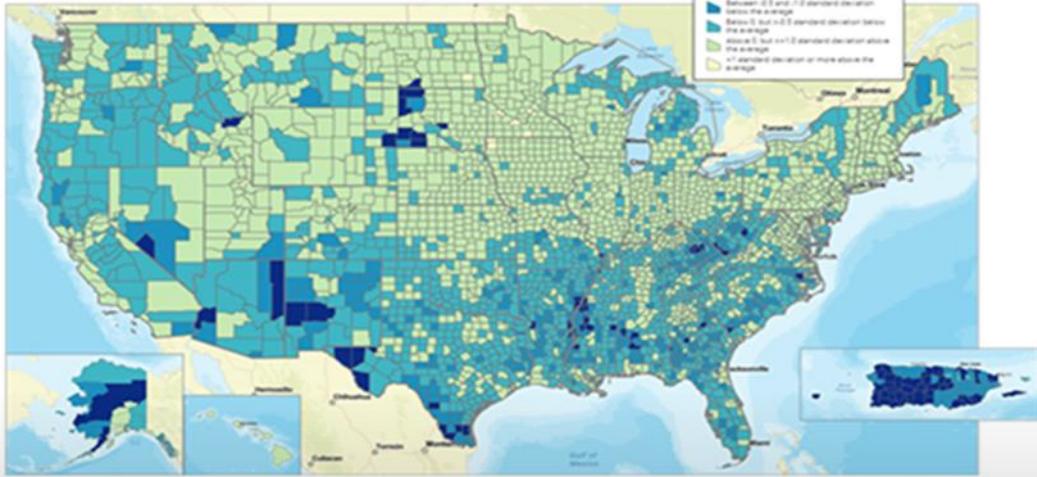
Step 4: Incorporate Preparedness Survey results

Step 5: Produce actionable Snapshot reports for leadership and field teams

Community Profile Snapshot



FEMA Community Resilience Index by County

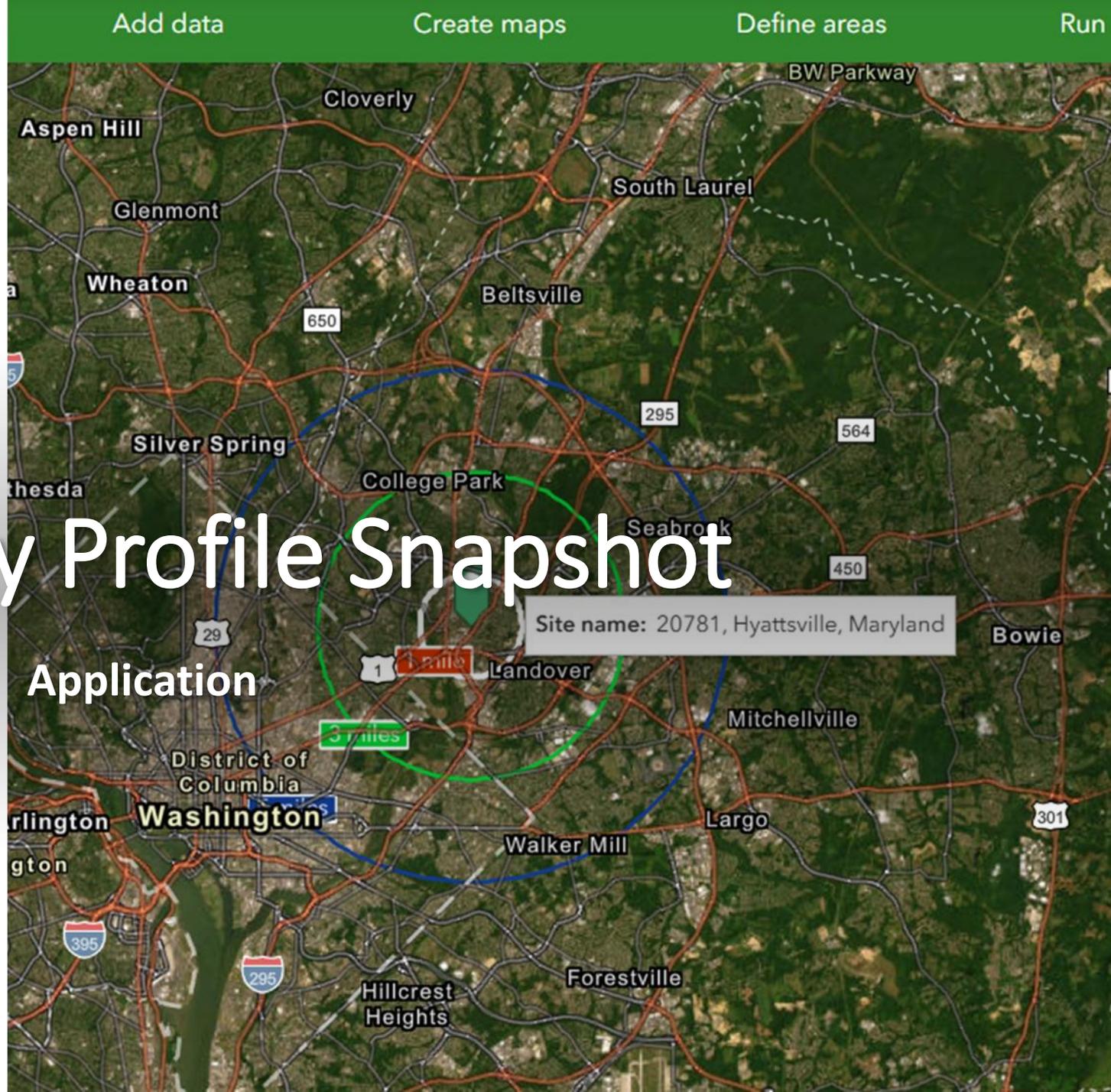


Resilience Analysis and Planning Tool (RAPPT)

Community Profile Snapshot

Community Resilience Indicator Analysis:

Emergency Management Information and Mapping



RAPT Data Collection

The screenshot displays the FEMA Resilience Analysis and Planning Tool (RAPT) interface. The top left shows the FEMA logo and the tool's name. A search bar contains "Prince George's County, MI" with a search icon and a "Show search results for Prince ..." dropdown. Below the search bar are navigation icons for zooming in (+), zooming out (-), home, and refresh. The main map area shows a map of Prince George's County, MI, with a 6-mile scale bar and coordinates (-76.520 38.829 Degrees). The right side of the interface features a "County Indicators" panel with a list of indicators. Three indicators are highlighted in a yellow box:

- Population without Health Insurance
- Medicare Recipients with Power-Dependent Devices
- Population Below Poverty Level

Other indicators in the list include:

- Residential Structures in SFHA with Flood Insurance
- Counties - Number of Hospitals per 10,000 people
- Counties - Medical Professional Capacity: Practitioners per 1,000 people
- Counties - Median Household Income
- Counties - Unemployed Labor Force
- Counties - Unemployed Women in the Labor Force
- Counties - Workforce Employed in Predominant Sector
- Counties - Income Inequality
- Counties - Presence of Social/Civic Organizations per 10,000 people
- Counties - Population without Religious Affiliation

At the bottom right of the panel, there is a "Fit Map (Ctrl+F5)" button and a note: "Zoom the page so that document fits in the win".

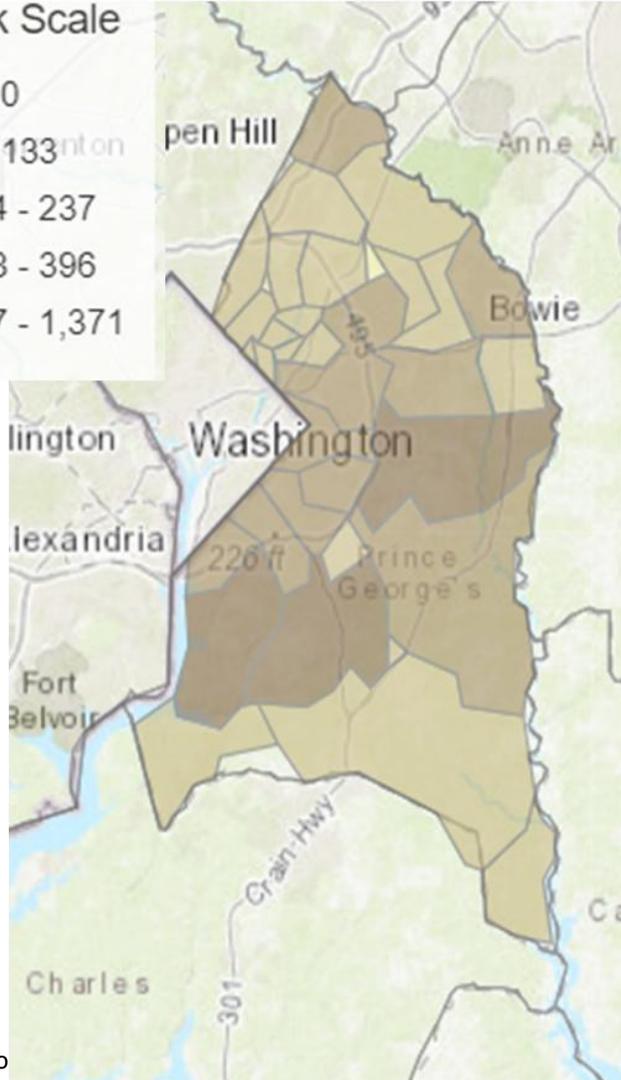
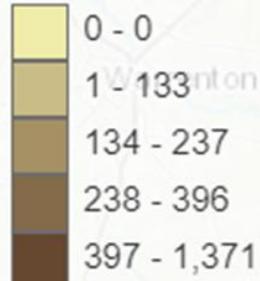
Source: Prince George's County, OHS/OEM

Community Profile Snapshot

Application

Brownouts

At-Risk Scale



Community Lifelines | Add data | Create maps | Define areas | Run analysis | Share results

Community Lifelines: Power & Water

2 locations in this cluster
Layer: Power Plant in PGC

Click on link to zoom in.

[KIRBY ROAD SOLAR, LLC](#)
[SYNERGEN PANORAMA, LLC CSG](#)

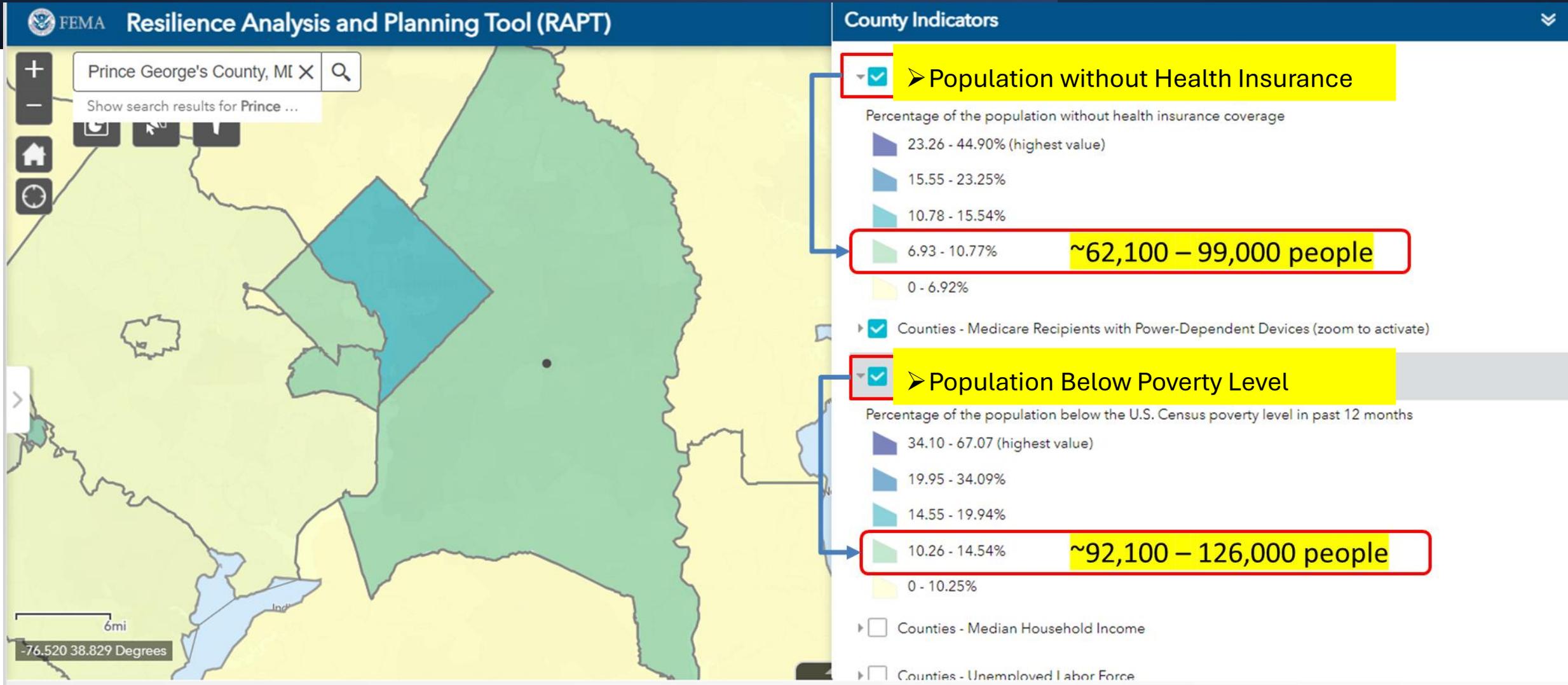
Feature 1
Bowie, Maryland
Layer: Wastewater Treatment Plant_PGC

Attributes

Address
CWP_ST
City
State
ZIP
CWP_COUNTY Prince George's
Original a... THE CITY OF BOWIE ...

Create buffers
Zoom to

RAPT Data Collection

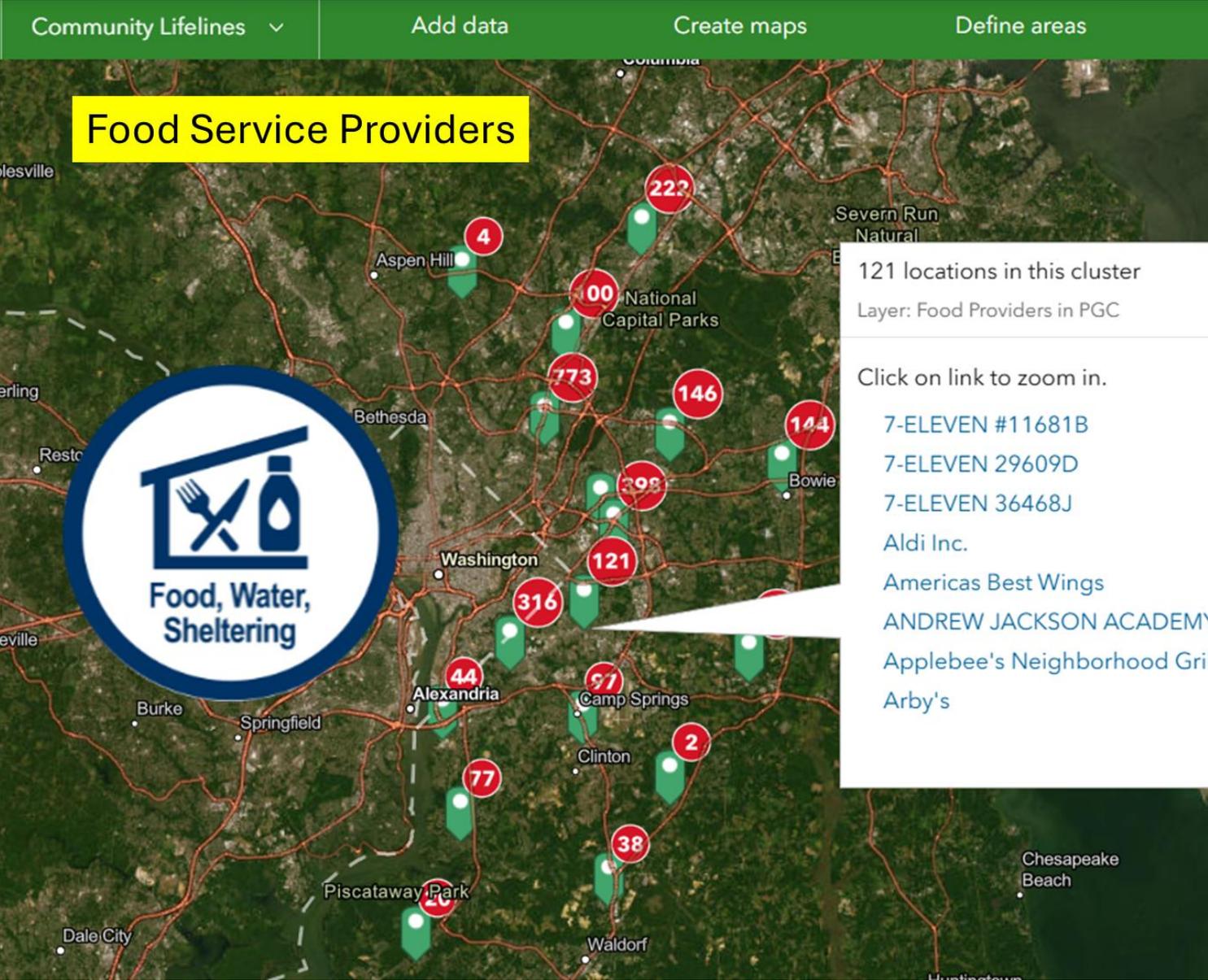
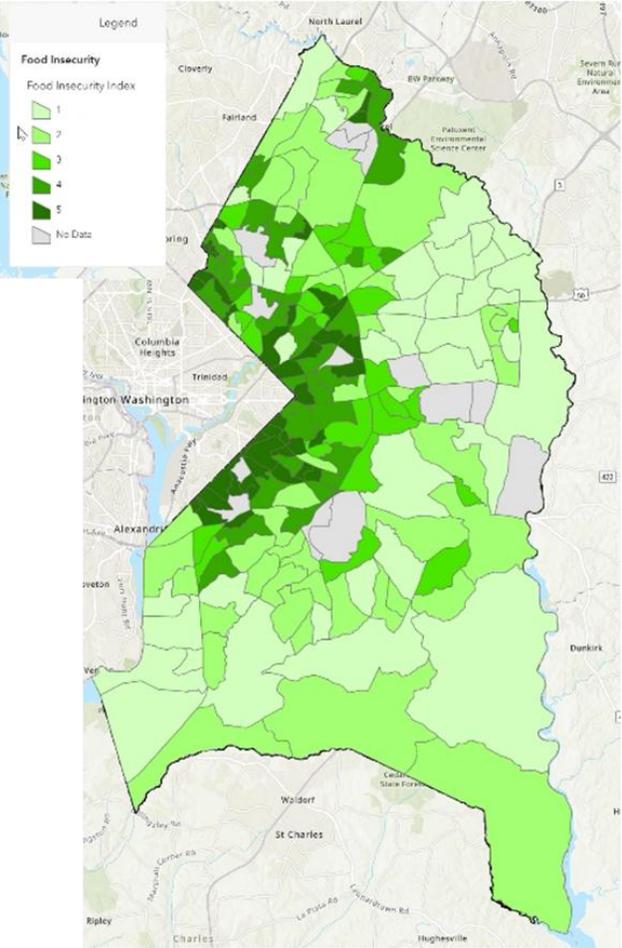


Source: Prince George's County, OHS/OEM

Community Profile Snapshot

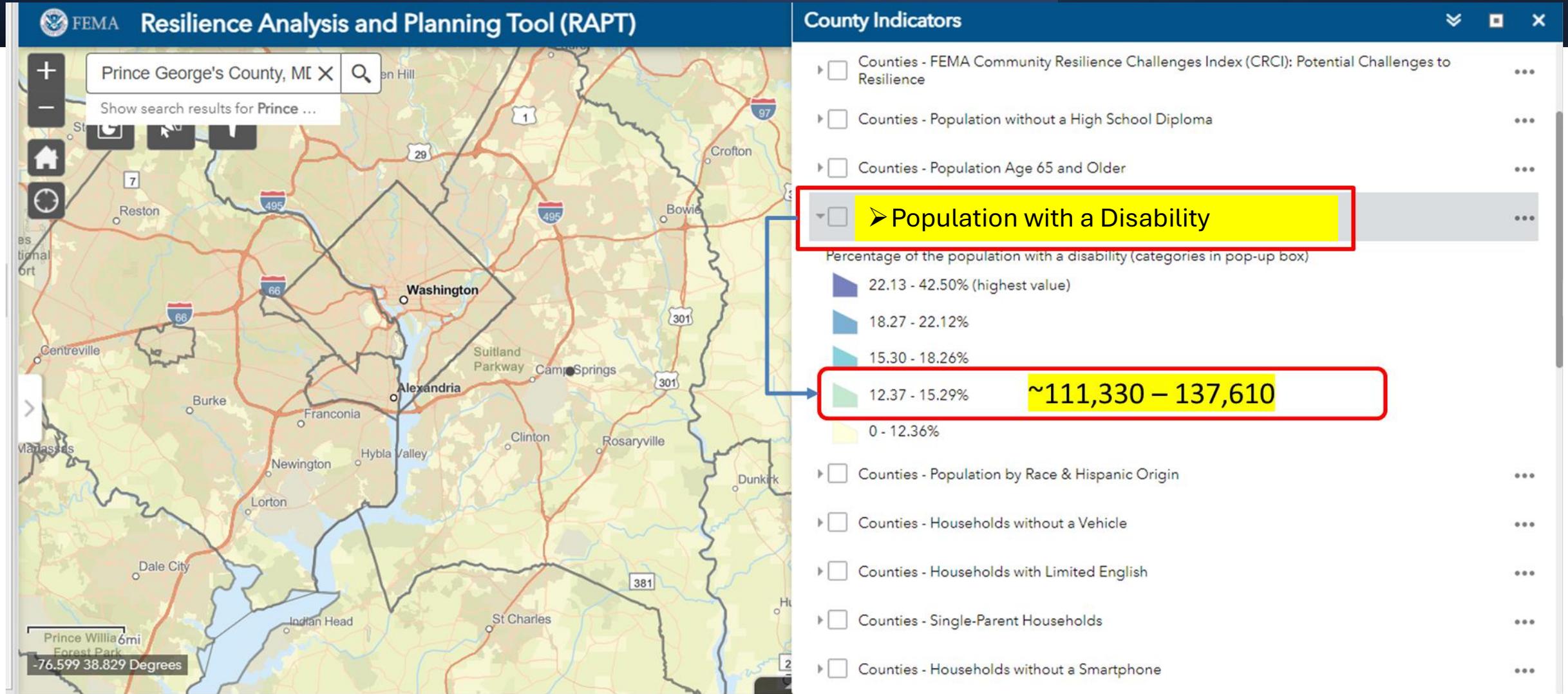
Application

Food Insecurity



Source: Prince George's County, OHS/EM

RAPT Data Collection



Source: Prince George's County, OHS/OEM

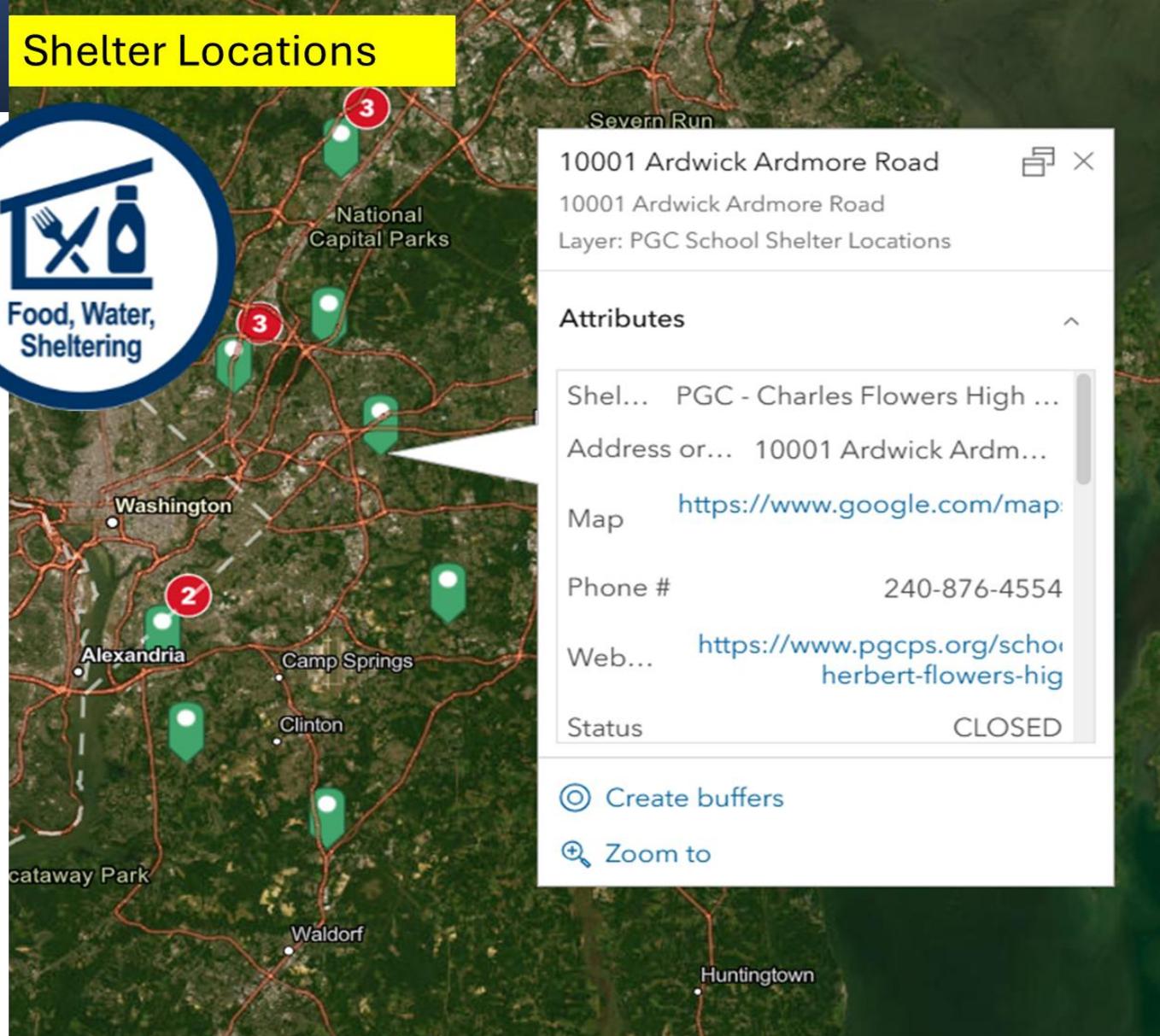
Community Profile Snapshot

Application

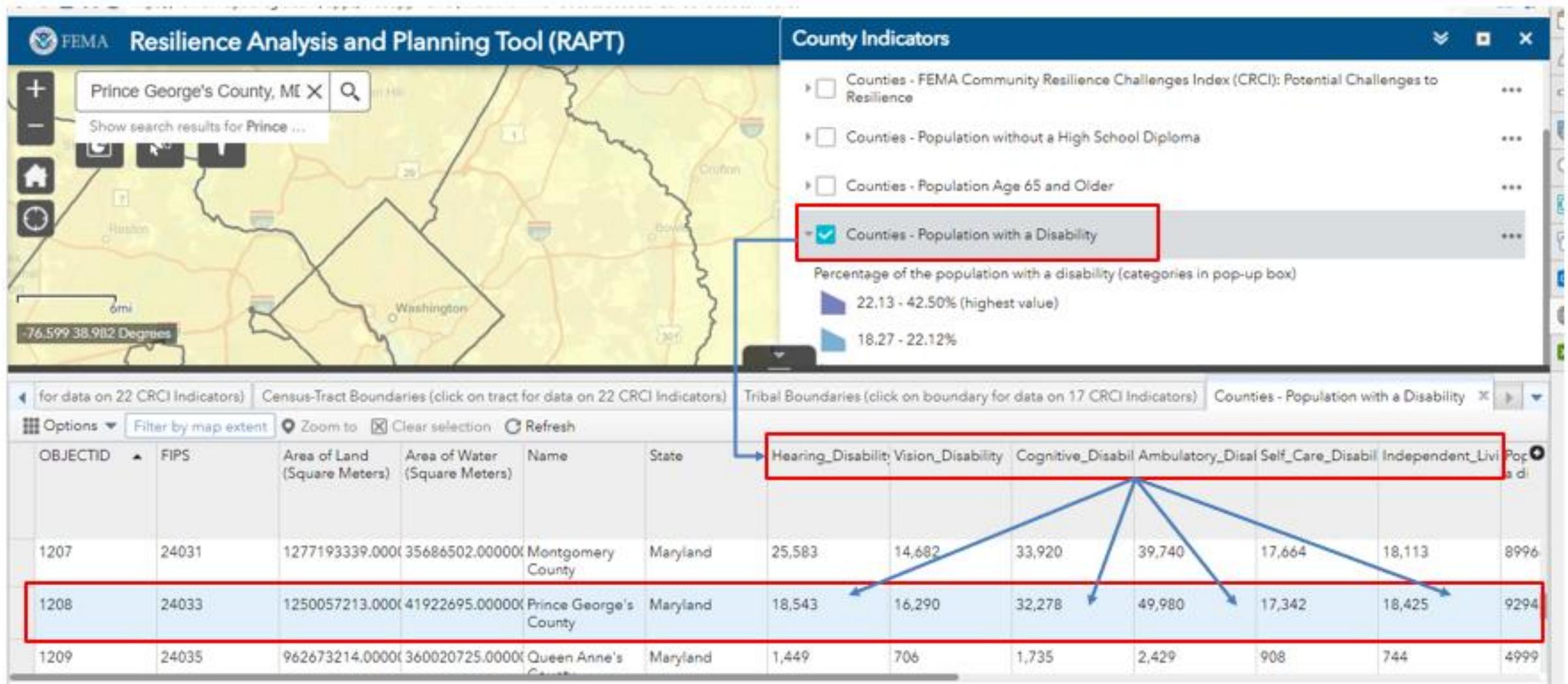
Shelter Locations

Planning Areas

- 60 Northwest Area
- 61 Fairland-Beltsville & Vicinity
- 62 South Laurel-Montpelier
- 64 Agricultural Research Center
- 65 Landry Park & Vicinity
- 66 College Park-Berwyn Heights & Vicinity
- 67 Greerbelt & Vicinity
- 68 Hyattsville-Riverdale-Mt. Rainier-Brentwood
- 69 Bladensburg-New Carrollton & Vicinity
- 70 Glenn Dale-Seabrook-Lanham & Vicinity
- 71A Bowie & Vicinity
- 71B City of Bowie
- 72 Landover & Vicinity
- 73 Largo-Lottsford
- 74A Mitchellville & Vicinity
- 74B Colington & Vicinity
- 75A Suitland-District Heights
- 75B Suitland-District Heights & Vicinity
- 75B Town of Capitol Heights
- 76A The Heights
- 76B Hanson Creek
- 77 Melwood
- 78 Westphalia & Vicinity
- 79 Upper Marlboro & Vicinity
- 80 South Potomac Sector
- 81A Clinton & Vicinity
- 81B Tipton & Vicinity
- 82A Rosaryville
- 82B Mount Calvert-Nottingham
- 83 Accokeek
- 84 Piscataway & Vicinity
- 85A Brandywine & Vicinity
- 85B Cedarnville & Vicinity
- 86A Croom-Naylor
- 86B Baden Area
- 87A Westwood Area
- 87B Aquasco
- 89 City of Laurel



RAPT Data Collection



Community Profile Snapshot

Application

Community Lifelines ▾ Add data Create maps Define areas Run analysis Share results

projects > Community Lifelines 🔍 🏠 📄 🔄

Time	Date	...
> <input type="checkbox"/> 📍 Public Health Departme...	09/30/2023	...
> <input type="checkbox"/> 📍 Private Schools (1)	09/30/2023	...
> <input type="checkbox"/> 📍 Hospitals	09/30/2023	...
> <input checked="" type="checkbox"/> 📍 Nursing Homes (1)	09/30/2023	...
> <input type="checkbox"/> 📍 Prison Boundaries (1)	09/30/2023	...
> <input type="checkbox"/> 📍 Places of Worship (1)	09/30/2023	...
> <input type="checkbox"/> 📍 High Hazard Dam Lines	09/30/2023	...
> <input type="checkbox"/> 📍 Urgent Care Facilities (1)	09/30/2023	...
> <input type="checkbox"/> 📍 Mobile Home Parks (1)	09/29/2023	...

[View full table](#)

Community Profile Snapshot

Application (DEMO)

Hyattsville Community Profile Snapshot

Hyattsville (zip code: 20785) - Community Lifeline Services within 5 miles

[Hyattsville Community Profile](#)

Hyattsville, MD - Demographics

POPULATION

- 244.3k Total Population
- 762.3k Family Population
- 12k Group Quarter Population
- 122.9k Population Density
- 1.3k Diversity Index

Hyattsville Demographic Snapshot.pdf

At Risk Populations

AT RISK POPULATION PROFILE

Hyattsville Demographic Snapshot.pdf

- 20785_Hyattsville_At Risk Population.html
- 20785_Hyattsville_Risk Population.pdf

Emergency Preparedness Survey Profile

What have you done to prepare for a disaster or emergency in the last year?

Taking Action to Prepare for a Disaster

45%	27%	16%	28%	43%	45%
Assemble or Update Supplies	Document and Insure Property	Get Involved in Your Community	Know Evacuation Routes	Make a Plan	Make Your Home Safer
15%	22%	34%	44%	40%	25%
Plan with Neighbors	Practice Emergency Drills or Routs	Subguard Documents	Save for a Rainy Day	Sign up for Alerts and Warnings	Test Family Communication Plan

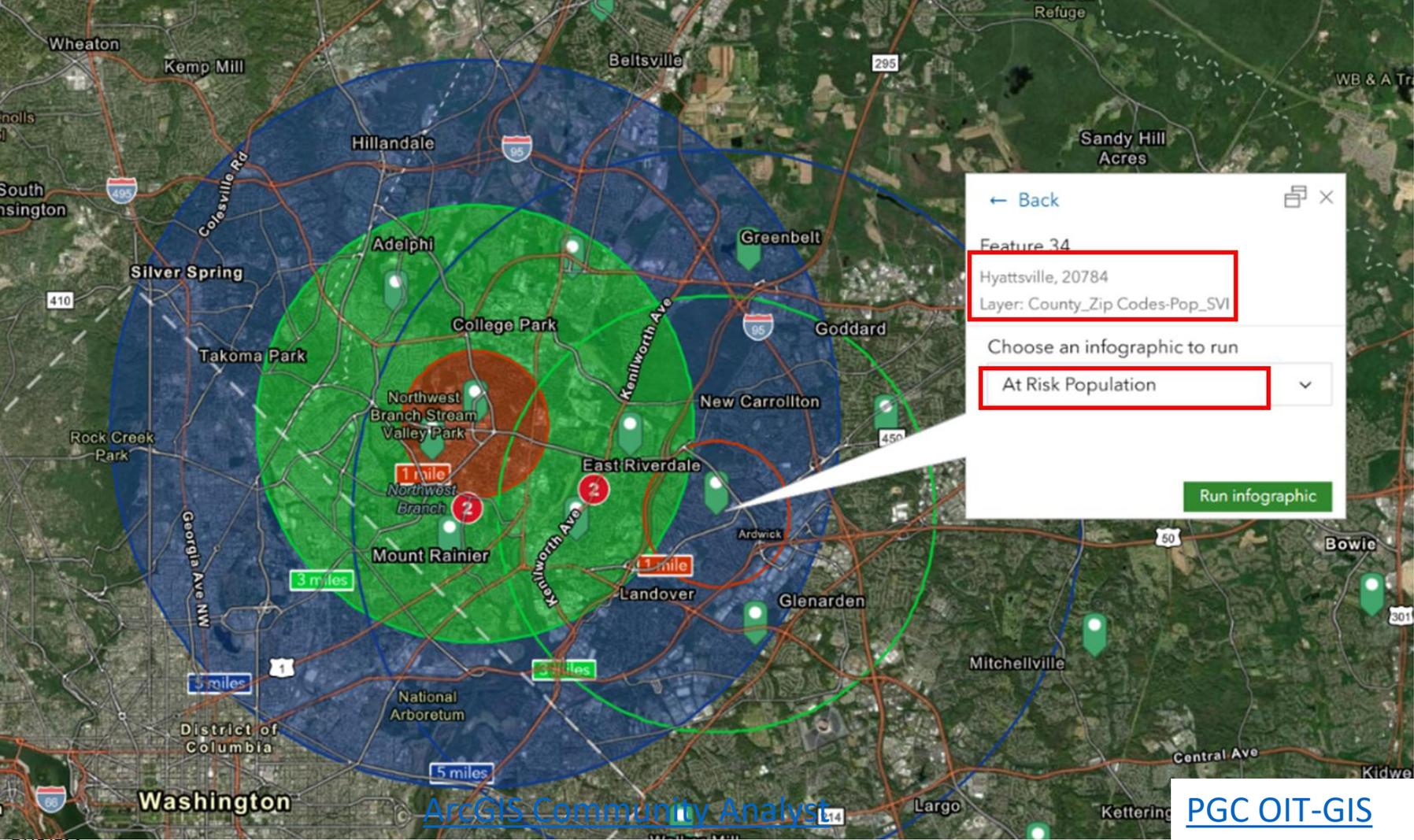
Hyattsville Survey Comparison by ZipCode_Act...

Hyattsville Survey Comparison by ZipCode_De...

Hyattsville MD Public Preparedness Survey Results_12-15-25.pdf

Community Profile Snapshot Application (DEMO)

GIS Mapping



Source: Prince George's County, OHS/EM

Community Profile Snapshot Application (DEMO)

Demographic Profile

Geographic Information System (GIS) Mapping



Community Demographic Profile



Select Place(s)

Search...

- GLENN DALE
- GODDARD
- GREENBELT
- GREENBELT, CITY OF
- HILLANDALE
- HILLCREST HEIGHTS
- HYATTSVILLE, CITY OF
- KENTLAND
- KETTERING
- KONTERRA
- LAKE ARBOR

Reset

Select all

POPULATION

972k

Total Population

762.3k

Family Population

19.7k

Group Quarter Population

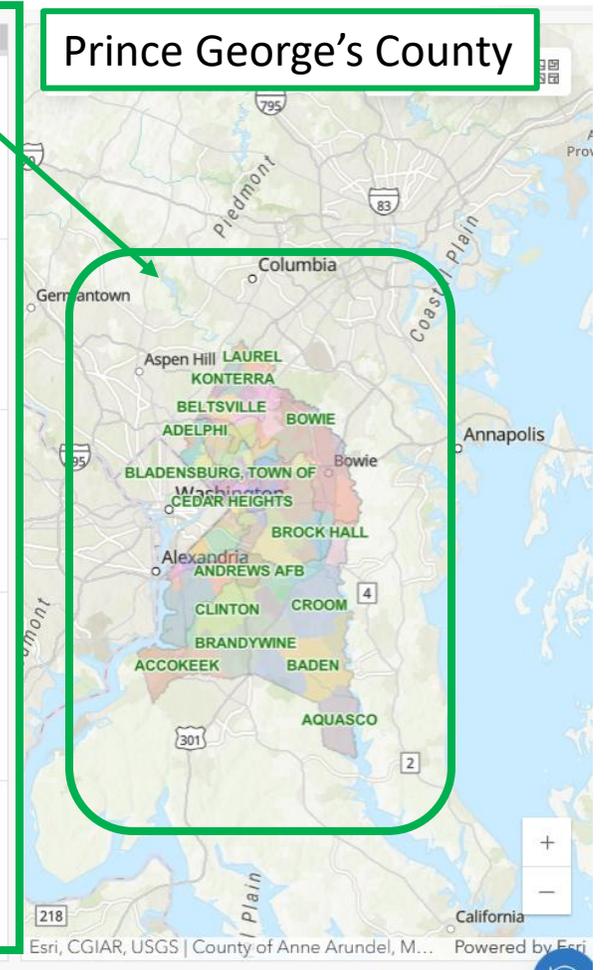
403k

Population Density

6.6k

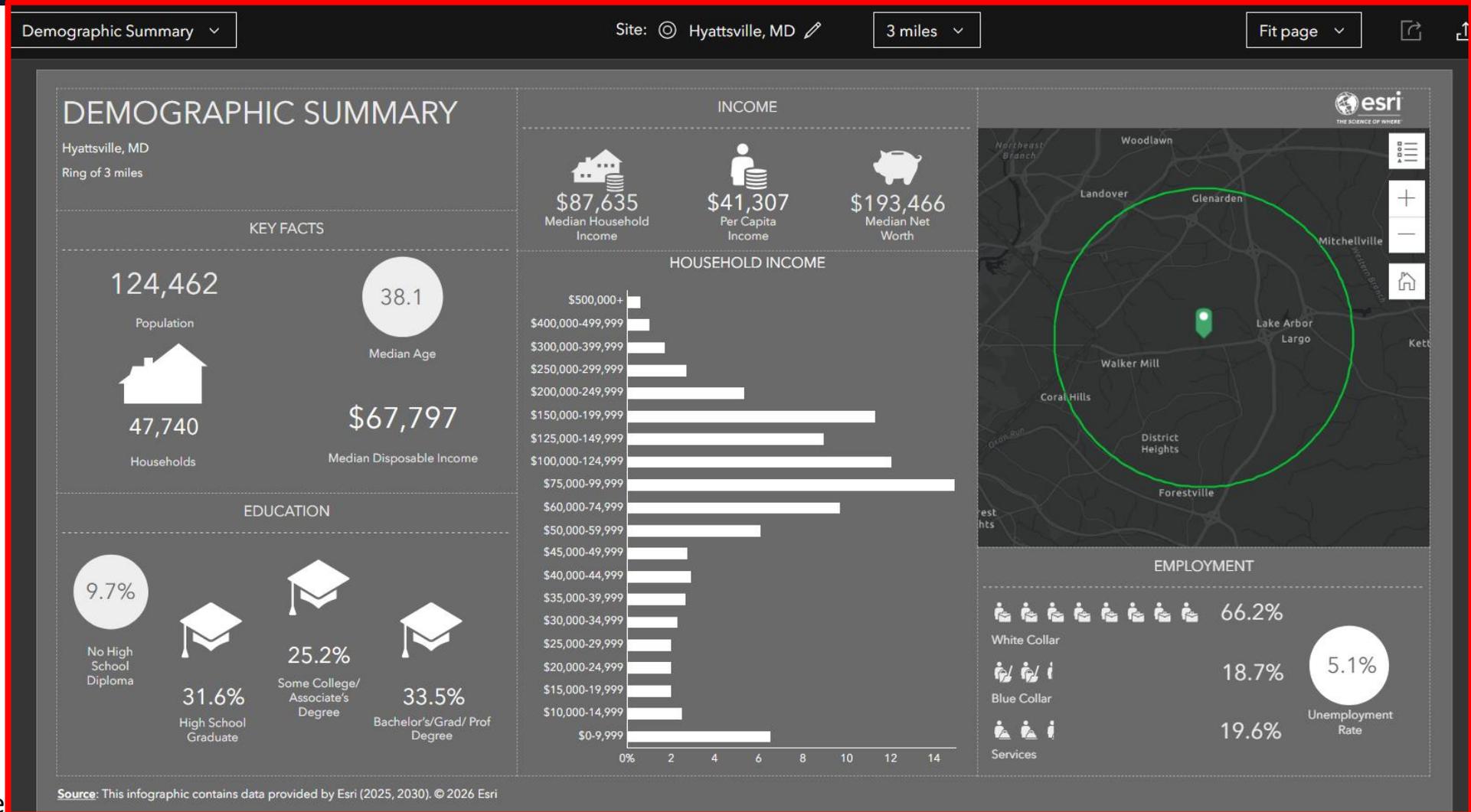
Diversity Index

Prince George's County



Community Profile Snapshot Application (DEMO)

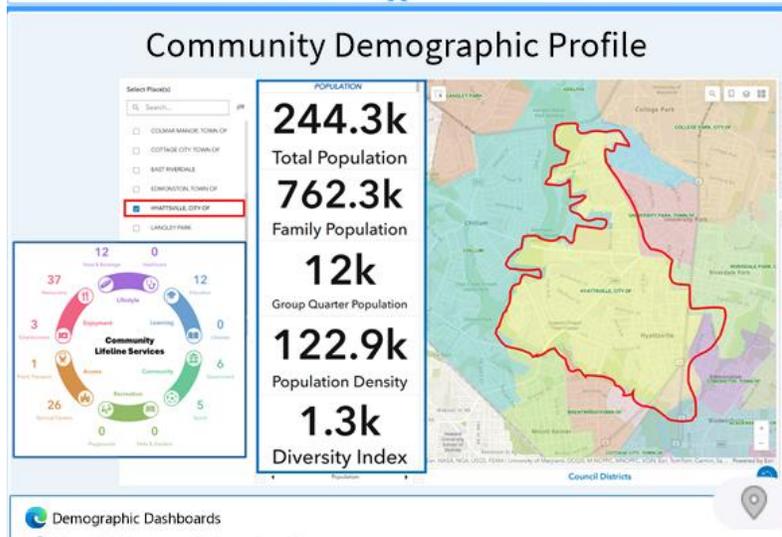
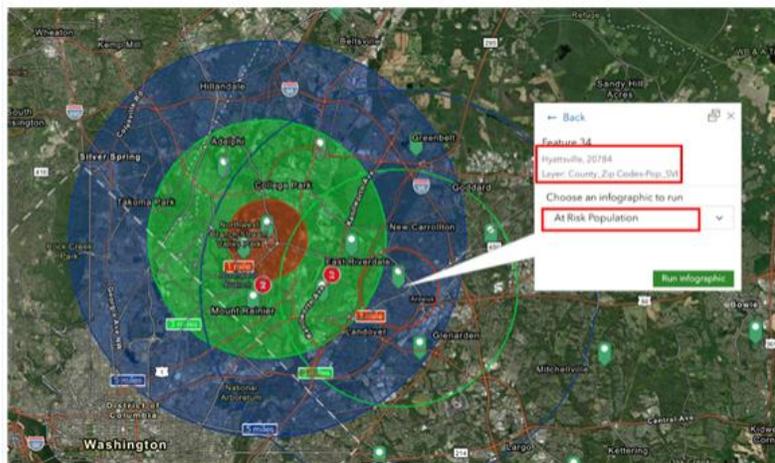
Demographic Profile



Community Profile Snapshot Application (DEMO)

Demographic Profile

Geographic Information System (GIS) Mapping



Select Place(s)

Search...

- EDMONSTON, TOWN OF
- GREENBELT, CITY OF
- HYATTSVILLE, CITY OF
- LANDOVER
- LANGLEY PARK
- MOUNT RAINIER, TOWN OF
- NORTH BRENTWOOD, TOWN OF
- RIVERDALE PARK, CITY OF
- UNIVERSITY PARK, TOWN OF

Reset

Select all

AT RISK

130.6k

30.5k

62

18-64 Other Language / No English

75.1k

HHs With 1+ Disability

204.3k

145.6k

Child Population

Senior Population

118.7k

70.2k

HHs With 1+ Dogs

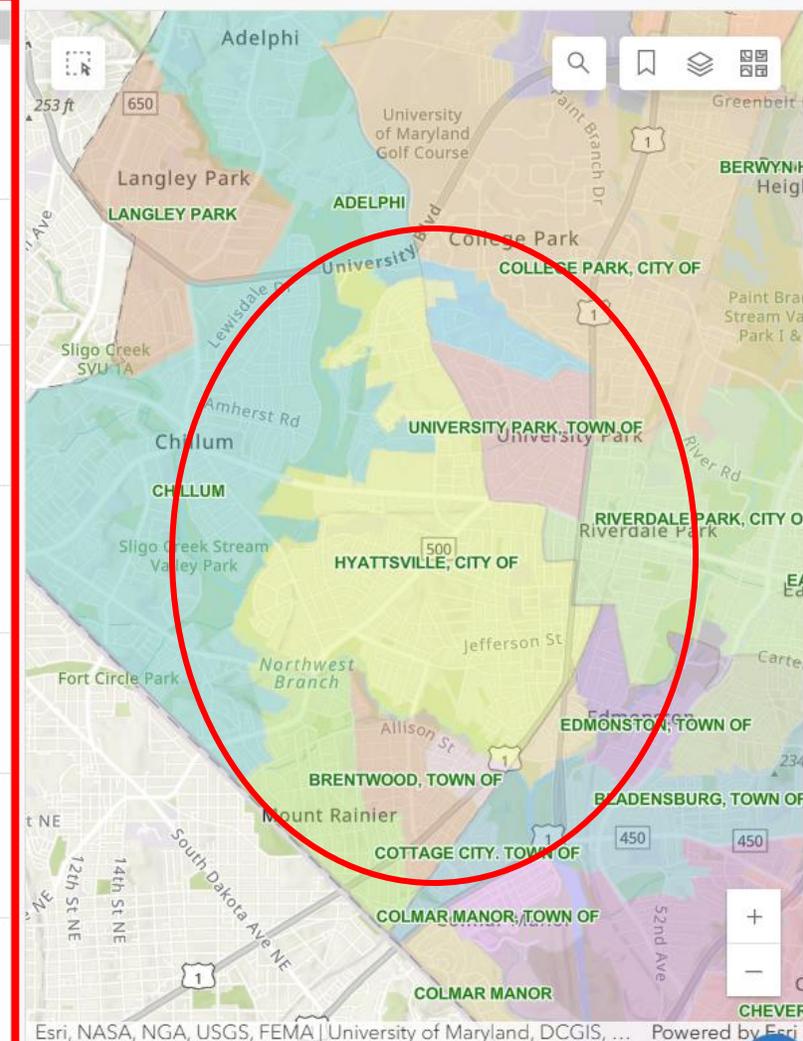
HHs With 1+ Cats

7.5k

HHs Owns No Cars

19.6k

HHs With No Internet



Demographic Dashboards

Council Districts

Community Profile Snapshot

Application (DEMO)

What's in My Community



What's in My Community?

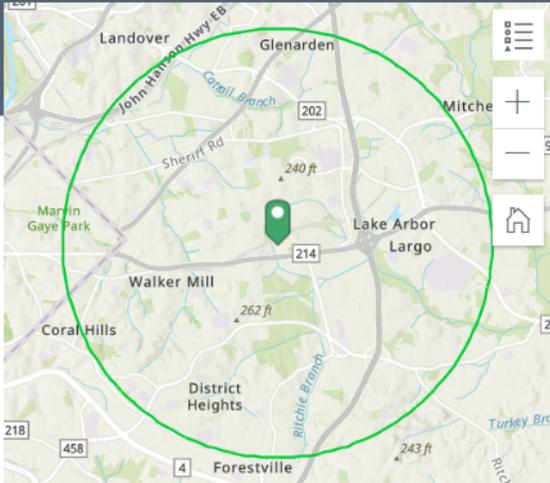
Places that make your life richer and community better

Hyattsville, MD
1 mile



Community Profile Snapshot Application (DEMO)

Emergency Information



AT RISK POPULATION PROFILE

Hyattsville, MD

124,462 Population
47,740 Households
2.59 Avg Size Household
38.1 Median Age
\$87,635 Median Household Income
\$403,061 Median Home Value
81 Wea Ind.

AT RISK POPULATION



12,436

Households With Disability (ACS)



19,789

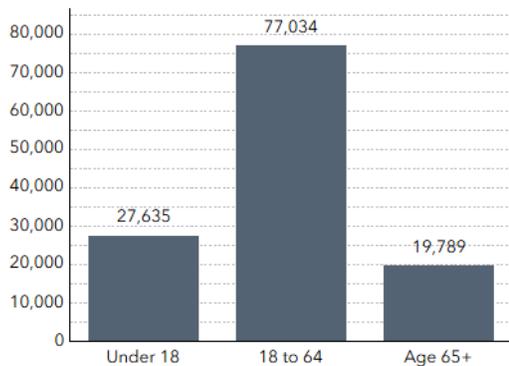
Population 65+ (Esri)



5,442

Households Without Vehicle (ACS)

POPULATION BY AGE



POVERTY AND LANGUAGE (ACS)



12%

Households Below the Poverty Level



5,790

Households Below the Poverty Level



18

Pop 65+ Speak Spanish & No English

POPULATION AND BUSINESSES



107,325

Daytime Population



3,954

Total Businesses



42,543

Total Employees

Language Spoken (ACS)	Age 5-17
English Only	16,175
Spanish	3,002
Spanish & English Well	2,756
Spanish & English Not Well	205
Spanish & No English	41

Indo-European	
Indo-European & English Well	701
Indo-European & English Not Well	127
Indo-European & No English	0

Asian-Pacific Island	
Asian-Pacific Isl & English Well	123
Asian-Pacific Isl & English Not Well	0
Asian-Pacific Isl & No English	0

Other Language	
Other Language & English Well	612
Other Language & English Not Well	0
Other Language & No English	0

Facilities



0

Hospitals



6

Schools



0

Assisted Living Centers



9

Fueling Centers



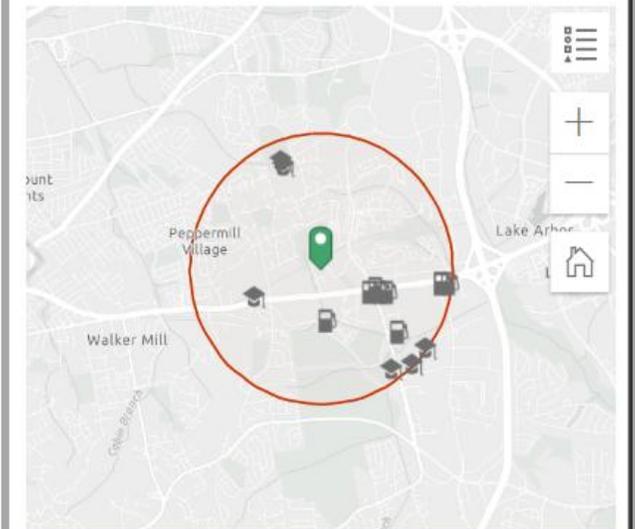
0

Public Safety Buildings (Fire and Police)



0

Community Center



Community Profile Snapshot

Why This Matters for Emergency Management

- **Vulnerability Assessment:** identify who is most at risk
- **Targeted Communication:** reach diverse audiences effectively
- **Resource Allocation:** ensure access to transport, medical supplies, and culturally appropriate needs
- **Tailored Training:** deliver culturally sensitive readiness programs

Community Profile Snapshot

Accessibility and Equity Considerations

- **Language access:** multilingual materials and alternate formats
- **Inclusive design:** represent diverse household types and needs
- **Continuous improvement:** update profiles with new data and feedback

Community Profile Snapshot

How to Use in Practice

- **Planning:** inform hazard mitigation and evacuation planning
- **Response:** guide real-time decision-making and communications
- **Recovery:** identify post-event support needs and resource gaps
- **Training:** tailor drills and exercises to community needs

Community Profile Snapshot

Snapshot Outputs and Handouts

- Interactive Community Profile **Snapshot App**
- **Handout availability:** concise overview and key attachment.
- **QR Code:** links to the interactive Community Profile Snapshot
- **Slide deck** version for briefing with talking points

Community Profile Snapshot

Application – Scan QR Code Provided

Hyattsville Community Profile Snapshot

The dashboard includes a 'Community Lifeline Countywide Dashboard' at the top, followed by icons for Energy/Phone & Fuel, Water Systems, Communications, and Transportation. A central circular chart displays 'Community Lifeline Services' with values: 37, 12, 0, 12, 0, 26, 5, 0, 1, 0. Below the chart is a map of Hyattsville (zip code: 20785) with a 5-mile radius circle around the center, labeled 'Hyattsville (zip code: 20785) - Community Lifeline Services within 5 miles'.

Hyattsville, MD - Demographics

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- Family Population: 762.3k
- Group Quarter Population: 12k
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- Diversity Index: 1.3k

Hyattsville Demographic Snapshot.pdf

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AT RISK POPULATION PROFILE

Hyattsville Demographic Snapshot.pdf

- At Risk Populations
 - 20785_Hyattsville_At Risk Population.html
 - 20785_Hyattsville_Risk Population.pdf
- Emergency Information
 - 20785_Hyattsville_Emergency Information.html
 - 20785_Hyattsville_Emergency Information.pdf
 - Hyattsville Demographic Snapshot.pdf

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Assemble or Update Supplies	Document or Invent Property	Get Involved in Your Community	Know Evacuation Routes	Make a Plan	Make Your Home Safer
15%	22%	34%	44%	40%	25%
Plan with Neighbors	Practice Emergency Evacuation Routes	Substantiated Documents	Sign for an Alarm or Siren	Sign up for Alerts and Warnings	Use Your Community's Plan

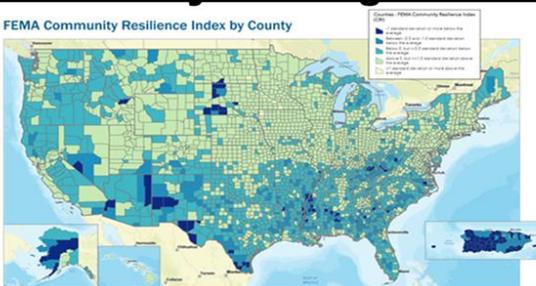
Hyattsville MD Public Preparedness Survey Results, 12-15-25.pdf

- Preparedness Action Taken
 - Hyattsville Survey Comparison by ZipCode_Act...
- Degree of Preparedness
 - Hyattsville Survey Comparison by ZipCode_De...



FEMA's Resilience Analysis and Planning Tool (RAPT)

DEMO



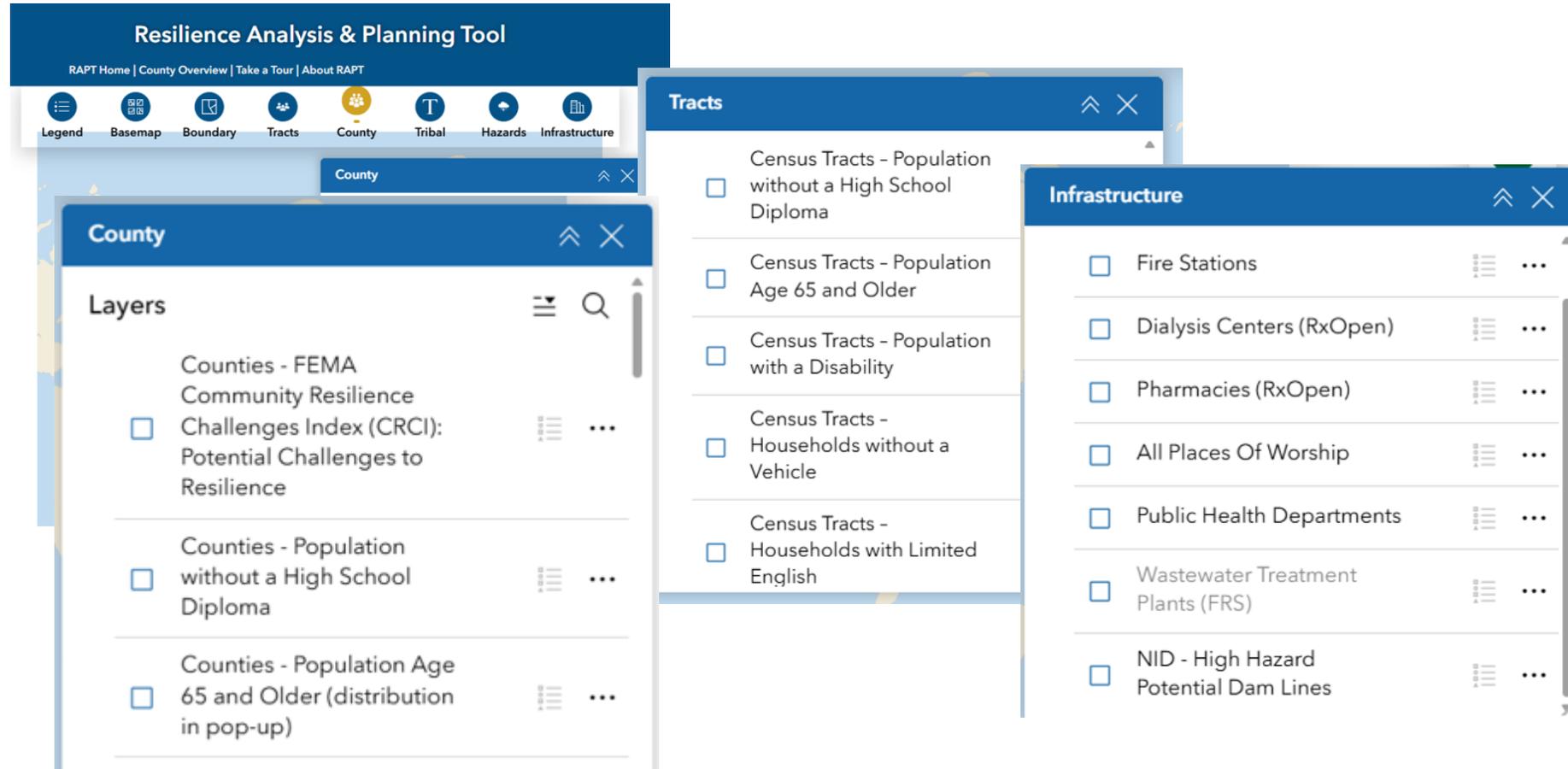
FEMA Community Resilience Index by County

Resilience Analysis and Planning Tool (RAPT)

Community Resilience Indicator Analysis:

Commonly Used Indicators from Peer-Reviewed Research:
Updated for Research Published 2003-2021

September 2022



Resilience Analysis & Planning Tool

RAPT Home | County Overview | Take a Tour | About RAPT

Legend Basemap Boundary Tracts County Tribal Hazards Infrastructure

County

County

Layers

- Counties - FEMA Community Resilience Challenges Index (CRCI): Potential Challenges to Resilience
- Counties - Population without a High School Diploma
- Counties - Population Age 65 and Older (distribution in pop-up)

Tracts

- Census Tracts - Population without a High School Diploma
- Census Tracts - Population Age 65 and Older
- Census Tracts - Population with a Disability
- Census Tracts - Households without a Vehicle
- Census Tracts - Households with Limited English

Infrastructure

- Fire Stations
- Dialysis Centers (RxOpen)
- Pharmacies (RxOpen)
- All Places Of Worship
- Public Health Departments
- Wastewater Treatment Plants (FRS)
- NID - High Hazard Potential Dam Lines



Community Profile Snapshots for Emergency Management: Using FEMA's Resilience Analysis Planning Tool (RAPT) to Enhance Planning and Response.

A data-driven approach to vulnerability identification, targeted communication, and resource allocation.



Metropolitan Washington
Council of Governments

NATIONAL CAPITAL REGION PUBLIC HEALTH PREPAREDNESS & RESPONSE ACADEMY 2026

Questions & Answers

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Thanks for Coming