Using the Climate Vulnerability Index (CVI) Dashboard for grant funding opportunities and community advocacy

Prepared by:
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This template will show you how to use the CVI to help enact the change you want to see in your community and more.

Please feel free to use any of these slides for your next grant application or other advocacy needs!

Your advocacy/grant title here

Your name and organization name here

Name of your advocacy or grant application

Details about your grant application or advocacy efforts.

Hint: Consider things like…

- What grant are you applying for?
- When is the deadline?
- What is the topic area?
- Who is the sponsor?

More details here

Hint: Consider things like…

- What are key things about your community or case study you want to advocate for?
- What lived experiences and harms are people experiencing that are related to climate change?

We will cover applying for Justice40, IRA, and IIJA grants later!

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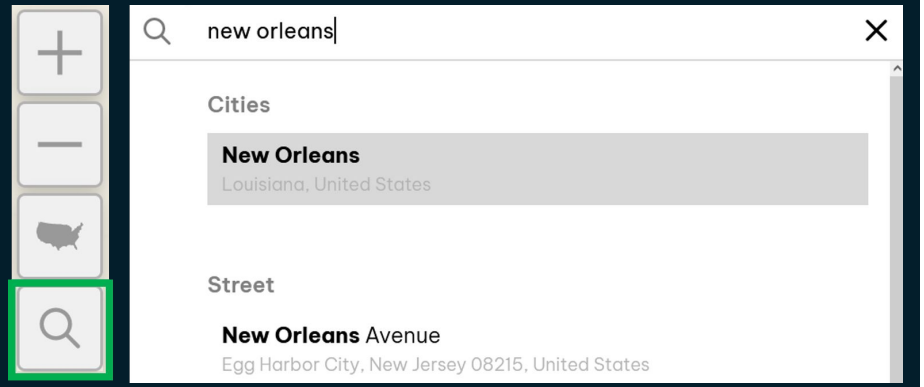
Step 1:

Go to the CVI and enter your location in the search bar



You can search for lots of places, like…

- Address
- Street
- Neighborhood
- Zip Code
- City
- State

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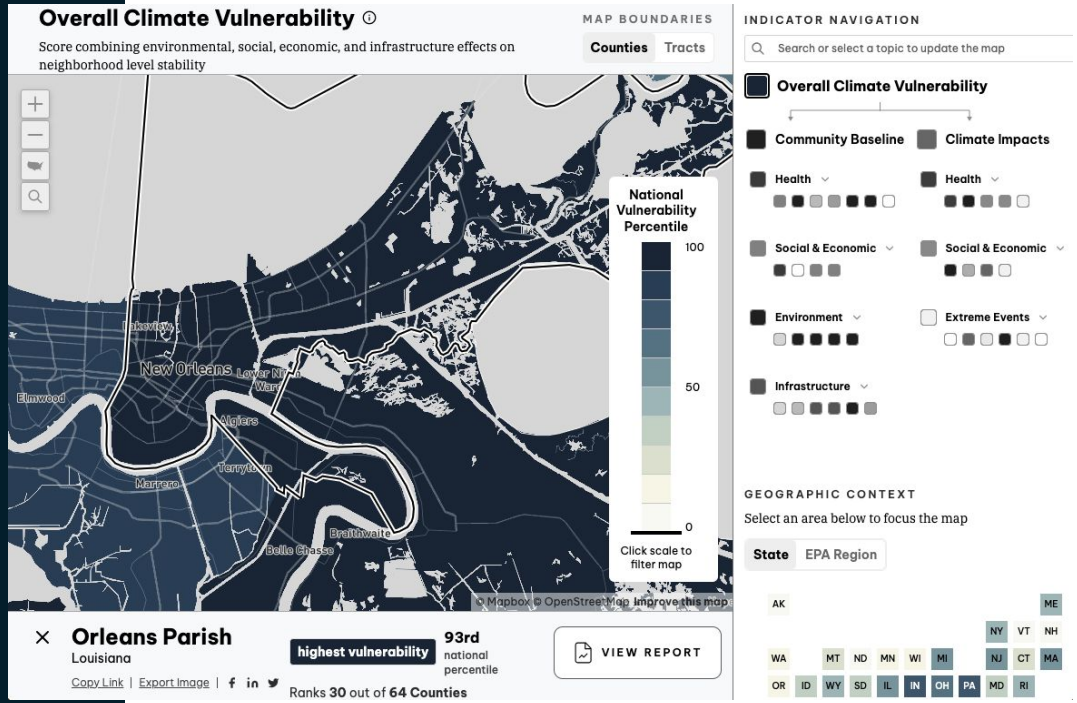
Step 2:
Click on the map to see a summary of vulnerabilities.

Use the right side to explore more metrics, like “Community Baseline” or “Health” or “Infrastructure”



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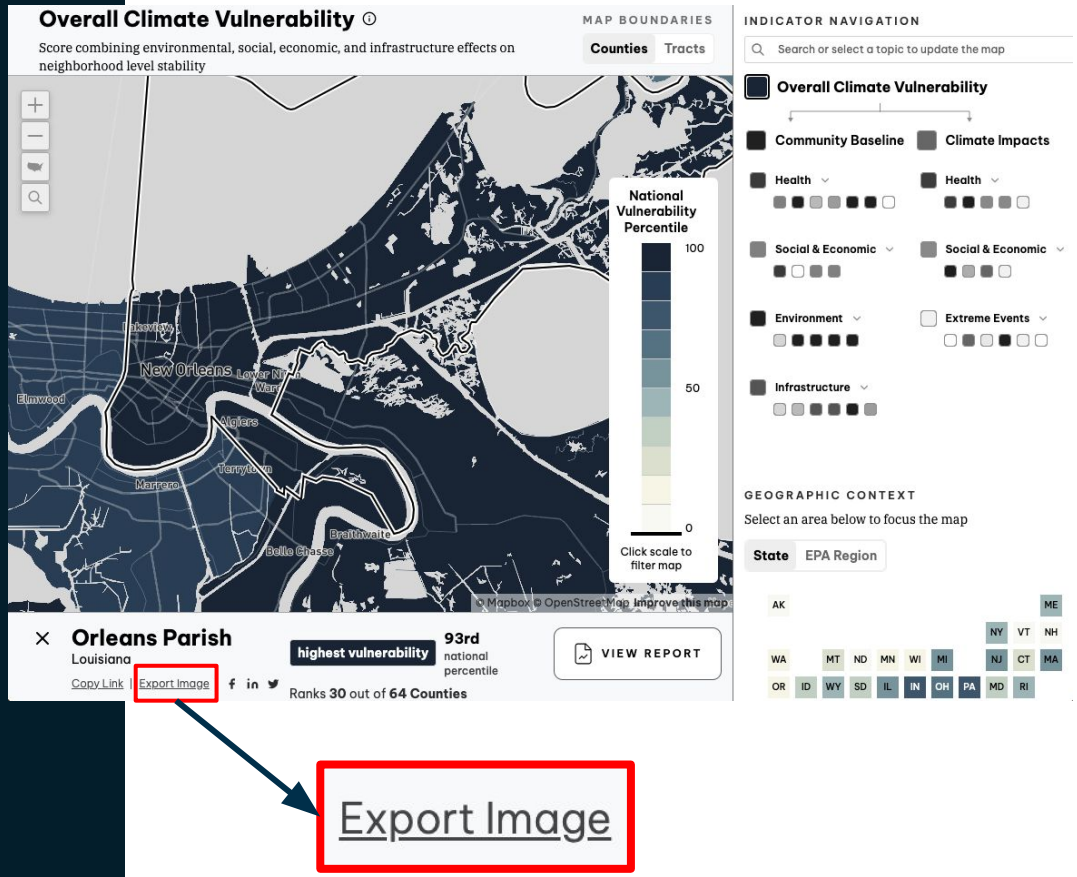
Step 3: Export Images

Hit “Export Image” to view and use images of each metric saved to your computer.



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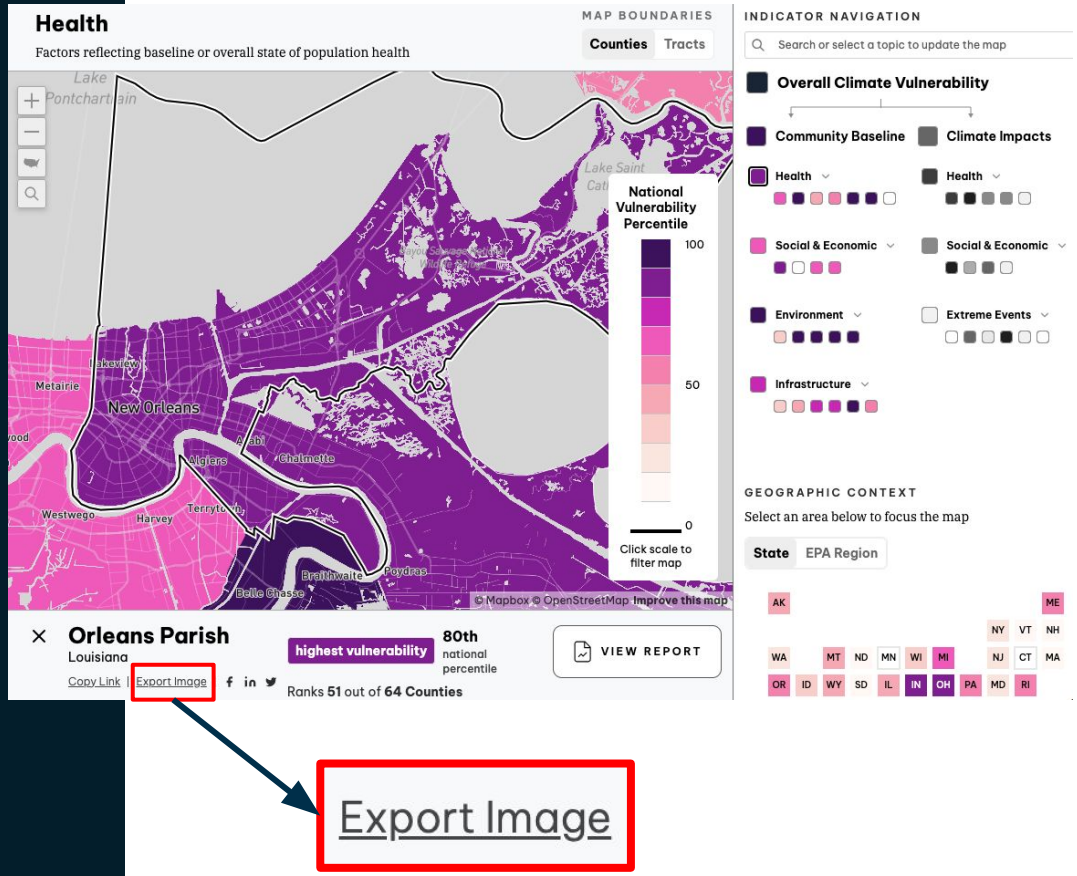
Click on any of the squares to view different indicators like “Health” or “Environment” and keep exporting images.



Drop an exported image of your “Overall Climate Vulnerability” here!

Add a note about this place here. Where is it? What happens here?

Drop an exported image of your “Community Baseline” vulnerability here!

Hint: you can get this screenshot by clicking “Community Baseline,” then “Export Image.”

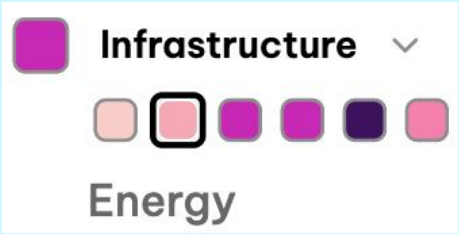
Add a note about this place here. Where is it? What happens here?

Info about this place here

More info can go here

Drop an exported image of another metric here!

Hint: try pressing “Infrastructure,” then perhaps a square under it like “Energy.”



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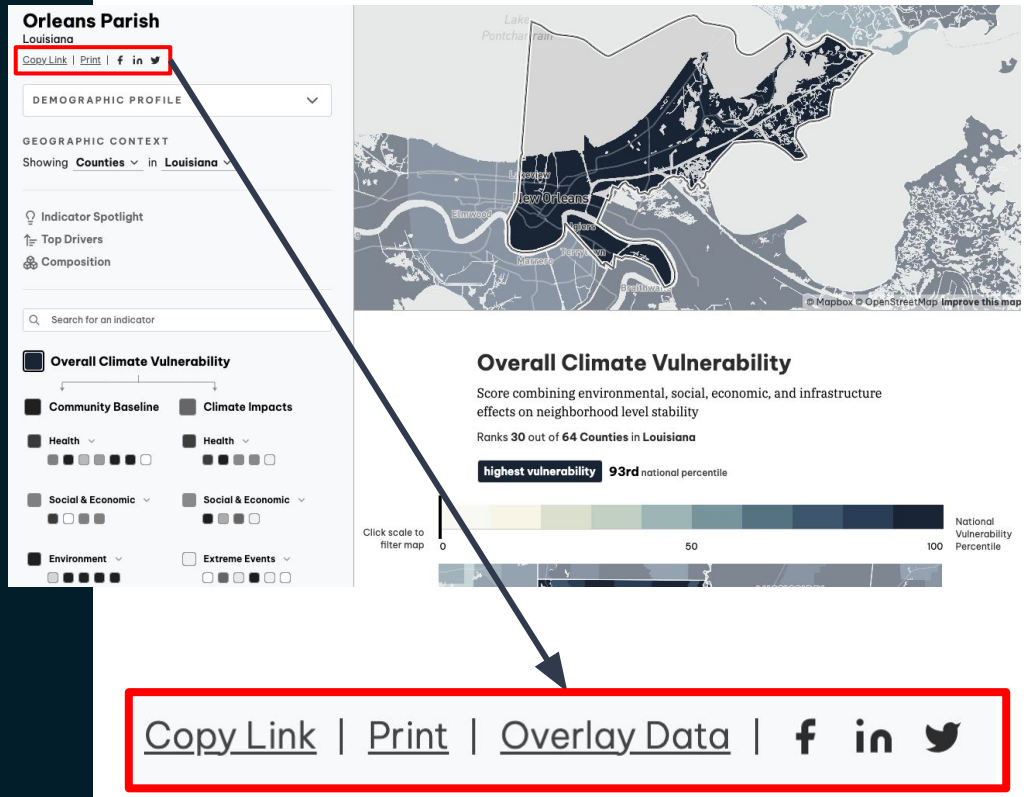
Step 5:
Download a PDF of your report for future reference by hitting “Print” in the upper left.

You can also share a link to this report with the “Copy Link” button or promoting it via social media.



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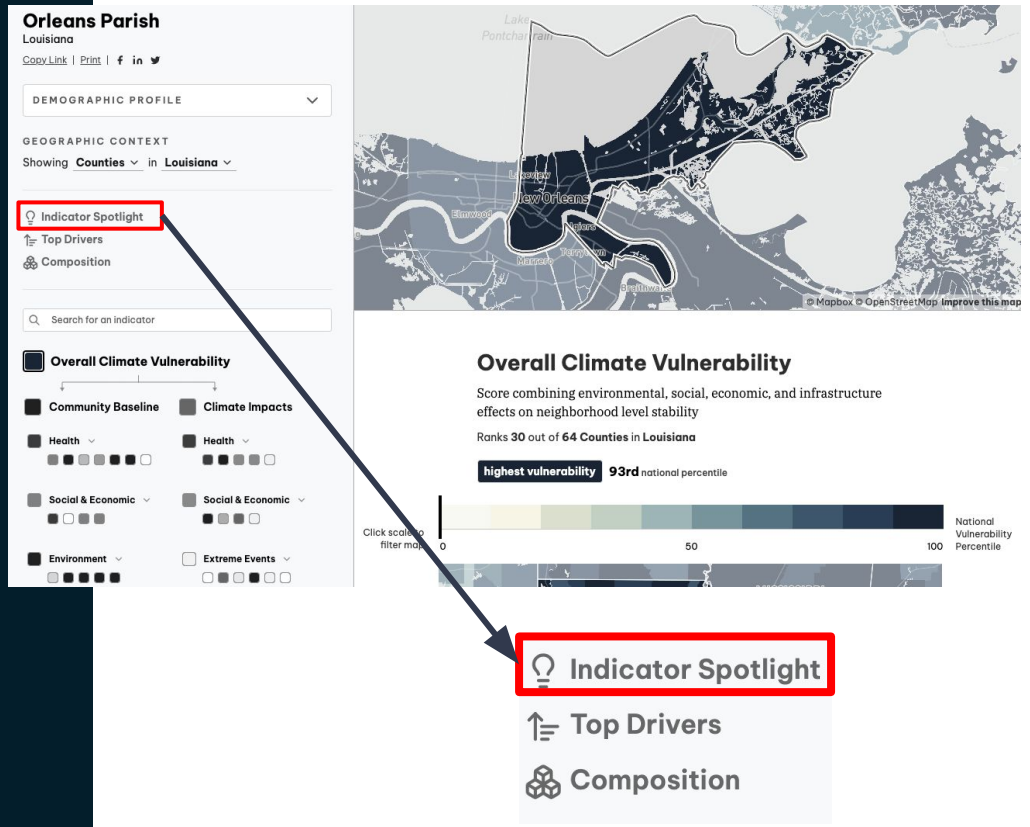
Step 6:
Explore the report data starting with **Indicator Spotlight.**

You can view data for different indicators by clicking on the squares under “Overall Climate Vulnerability”



Your area report info

Consider filling out some of these statistics from your report on this slide.

National Percentile of Overall Climate Vulnerability: *Your statistic here*

Ranking of vulnerability out of the state: *Your statistic here*

Optional: **Consider dropping a screenshot of your report here.**

Hint: you can use any indicators you like for these screenshots. Copy or save an image by right clicking on it.

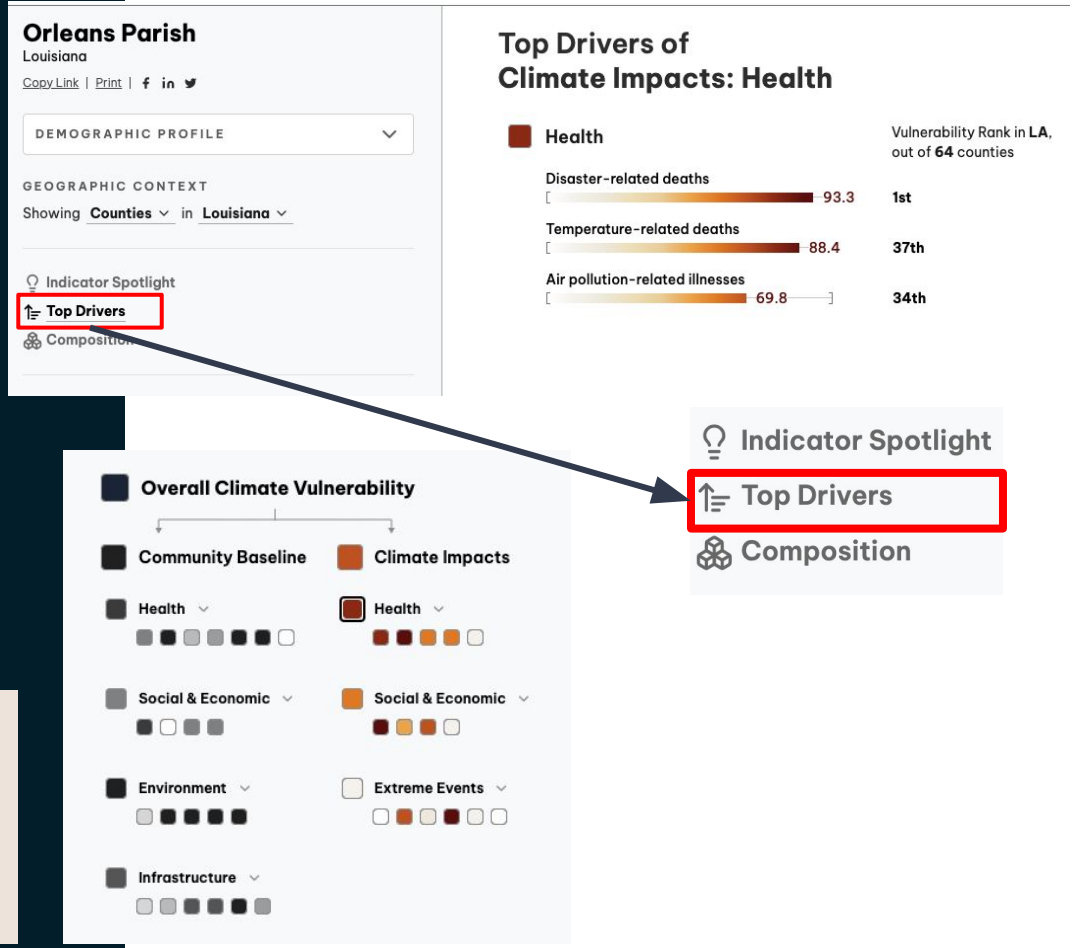
Add a note about this place here. Where is it? What happens here?

I am an instruction slide – you can delete me when you finish!

Step 7:
Explore the report data with **Top Drivers** by clicking "Top Drivers."

This data tells you what is driving this ranking of your indicator.

Note: Not all squares have "Composition" and "Top Drivers" in their reports. If your metric doesn't, that's ok! Consider adding the metric of the category of your data (i.e. "Health", "Infrastructure", etc).

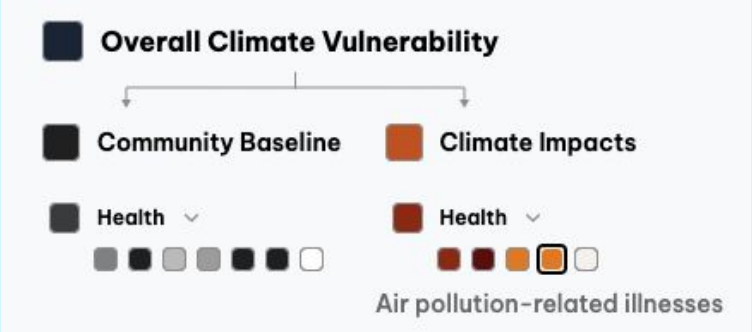


Info about this metric and place here

More info can go here

Optional: **Considering adding a screenshot of your "Top Drivers" here.**

Hint: you can use any indicators you like! For example, try "**Air pollution-related illnesses**" under the right "Health" square.



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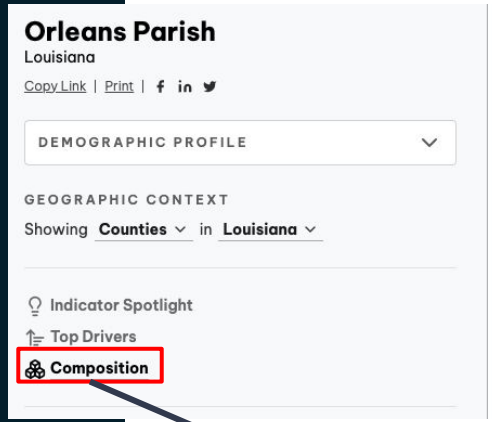
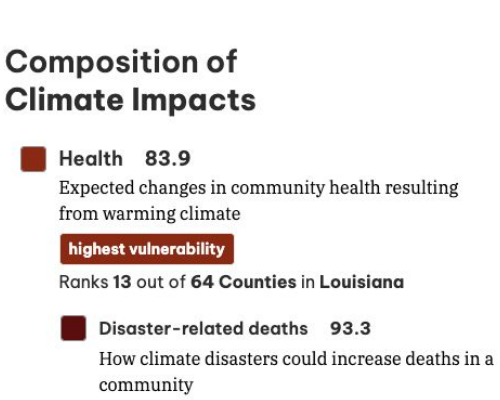
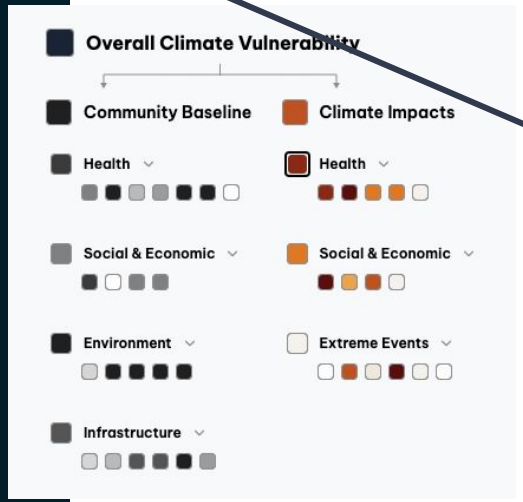
Step 8:
Explore the report data with **Composition.**

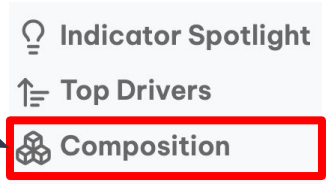
This will give you a summary of the data and the factors that go into it.

Note: Not all squares have “Composition” and “Top Drivers” in their reports. If your metric doesn’t, that’s ok! Consider adding the metric of the category of your data (i.e. “Health” or “Infrastructure”).









Your Area Report Info

Consider listing out the “Top Drivers” and “Composition” information from your report to present in this deck.

Optional: **Drop a screenshot of your "Composition" summary here.**

Hint: you can use any indicators you like for these screenshots. Try "Health" for your geography.

Add a note about this place here. Where is it? What happens here?

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You can use the CVI for Justice40 grants as well.

Go here for more information about Justice40.

Identify a IRA, IIJA, and Justice40 grant using the CVI Resources Page

Grants on the Resources page are organized according to CVI data categories

Your Justice40-related grant title here

Your name and organization name here

Name of your Justice40-related grant application

Details about your grant application or advocacy efforts.

Hint: Consider things like…

- What grant are you applying for?
- When is the deadline?
- What is the topic area?
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More details here

Hint: Consider things like…

- What are key things about your community or case study you want to advocate for?
- What lived experiences and harms are people experiencing that are related to climate change?

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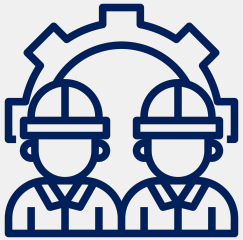
These 7 Justice40 categories map to CVI indicators. You can download a table of them here.

Climate change

Clean Energy & Energy Efficiency

Clean Transit

Affordable & Sustainable Housing



Training & Workforce Development

Remediation & Reduction of Pollution

Development of Critical Clean Water & Wastewater Infrastructure

Climate Change

Public Health Impacts

Temperature-related mortality
Deaths from climate disasters
Increased $PM_{2.5}$ mortality - CVD (ages 65+)
Increased Ozone mortality (all ages)
Increase in childhood asthma incidence
Aedes albopictus dengue transmission increase
Aedes aegypti zika transmission increase
Aedes aegypti dengue transmission increase
Surface $PM_{2.5}$

Property

Flooding risk to properties
Wildfire risk to properties
Property taxes expected to be lost by 2045 due to chronic inundation

Emissions

State energy-related carbon dioxide emissions by year
Methane Emissions

Weather Events

Hurricane - Annualized Frequency
Tornado - Annualized Frequency
Wildfire - Annualized Frequency
Drought - Annualized Frequency

Crime

Property Crimes (% change)
Violent Crimes (% change)

Weather Trends

Cold Wave - Annualized Frequency
Days with maximum temperature above 35°C
Days with maximum temperature above 40°C
Maximum of maximum temperatures
Mean temperature
Urban Heat Island Extreme Heat Days
Winter Weather - Annualized Frequency
Snowfall
Frost Days
Consecutive Dry Days
Standardized Precip Index
Total Precipitation

Flooding and Sea Level

Coastal Flooding - Annualized Frequency
Riverine Flooding - Annualized Frequency
Sea Level Rise

Economics

FEMA Hazard Mitigation Grants
Cost of climate disasters
High-Risk Jobs Productivity (% change)
Yields (% change)
Expected Annual Loss - Agriculture Value
Expected Annual Loss - Building Value
Expected Annual Loss - Population Equivalence
Residential Energy Expenditures (% change)
Share of Jobs in Agriculture

Affordable & Sustainable Housing	**Housing types** Multi-Unit Structures Group Quarters Mobile Homes	**Housing risks** Housing Foreclosure Risk Percent of Housing Units Built Between 1940-1969 as of 2015-2019 Crowding
Clean Energy & Efficiency	**Residential Energy** Residential Energy Cost Burden Residential Energy Expenditures (%change)	**Energy Emissions** State Energy-related Carbon Dioxide Emissions by Year Share of Energy from Fossil Fuels
Training & Workforce Development	**Risks to Workers** Outdoor Workers - Work Days at Risk per Year	
Development of Clean Water & Wastewater Infrastructure	**Clean Water and Wastewater** Indoor Plumbing Lead in Drinking Water Violations	**Flooding and Sea Level** Coastal Flooding - Annualized Frequency Riverine Flooding - Annualized Frequency Flooding Risk to Roads Flooding Risk to Properties Sea Level Rise

Remediation & Reduction of Legacy Pollution	**Harmful Exposures** Agricultural Pesticides Stream Toxicity Risk- Screening Environmental Indicators (RSEI) Black Carbon Pollution Sources Lead Paint: % Housing Units Built Before 1960 per Census Tract Lead in Drinking Water Violations **Waste Sites** Metal Recyclers Hazardous Waste Management Facilities (TSDFs) Hazardous Waste Generators/Incinerators Landfills	**Dangerous Sites** Superfund Sites Brownfields Proximity to Facilities Participating in Air Markets National Priorities List (NPL) sites Facilities with Enforcement or Violation Toxic Substances Control Act (TSCA) Facilities Risk Management Plan Facilities Chemical Manufacturers Active Oil and Gas Wells
Clean Transit	**Transportation Access** Housing Type & Transportation Transportation Sources National Transportation Noise Map Transportation No Vehicle Walkability Bikability	**Transit Infrastructure** Delay (congestion) per capita/census tract Flooding risk to roads Lane miles per capita Road Quality and Maintenance Bridge Quality and Maintenance Public Transit Performance

You can use any of these indicators to get relevant CVI maps and reports for Justice40-related grant funding applications.

Hint: List some relevant indicators here for easy reference!

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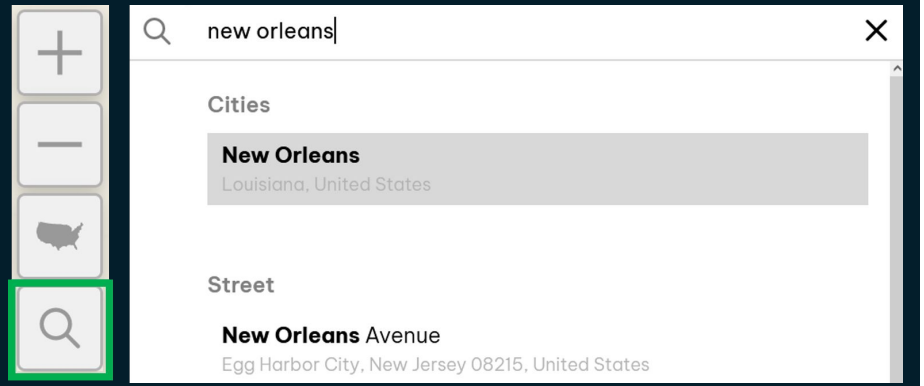
Step 1:
Go to the CVI and enter your location in the search bar



You can search for lots of places, like…

- Cities
- An address
- A county
- A census tract
- A street
- An area or neighborhood
- A zip code

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Step 2: Pick an indicator, like “Temperature Related Deaths”

You can search for lots of indicators like…

- Childhood asthma
- Pollution
- Increased ozone mortality
- Flooding risk to properties
- Lead paint in housing

…and more

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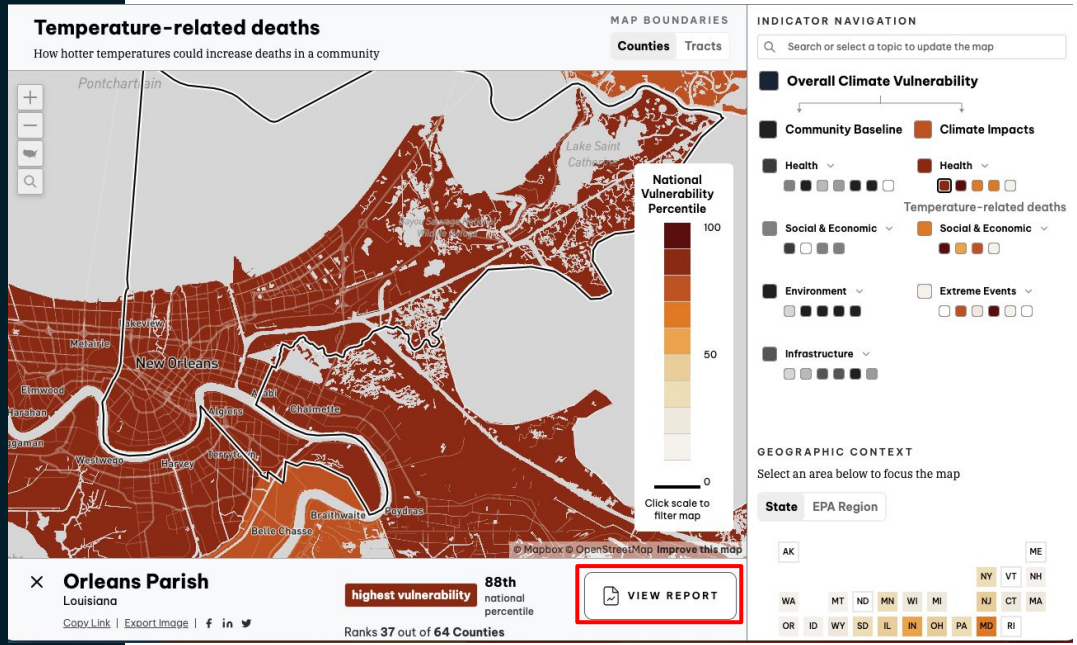
Step 3:
Generate a report by clicking “View Report” for your geography

VIEW REPORT



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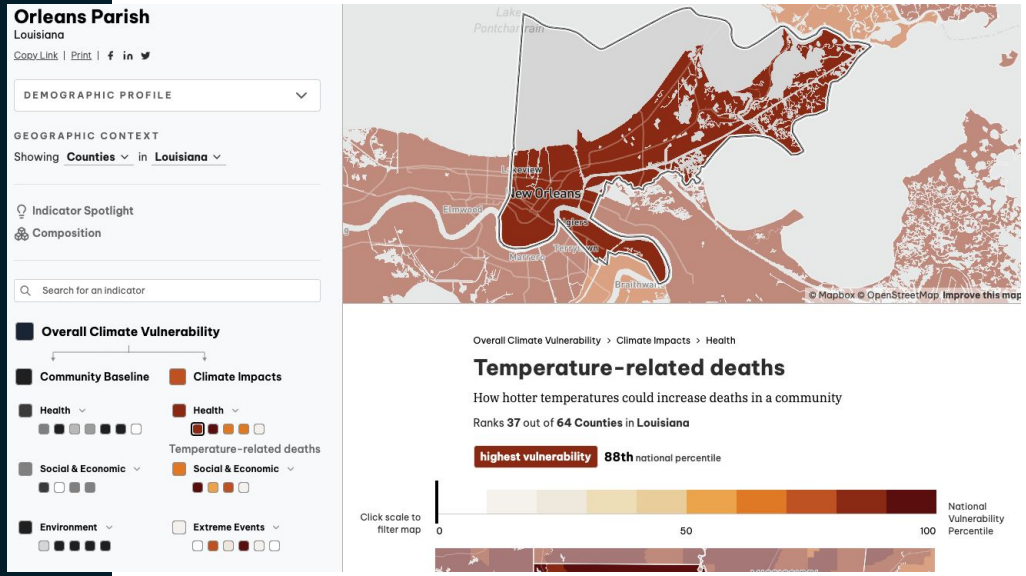
Step 4:
Explore CVI data, export images, and consider printing the report for the Justice40 grant application.



Environmental Defense Fund

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We hope this resource and the CVI will be useful for grant funding applications and community advocacy

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