

Welcome!



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Agenda

- **8:30am-9:00am** Breakfast
- **9:00am-9:20am** Welcome & Icebreaker, Pre-Workshop Survey
- **9:20am-9:30am** Health Equity and Population Health Data Recap
- **9:30am-10:15am Module 2:** Navigating Cook County Health Atlas Intro
- **10:15am-10:30am** Snack/Break
- **10:30am-11:00am Module 3:** Data Interpretation & Application
- **11:00am-11:40pm** Applied Case Studies & Small Group Discussions
- **11:40am-12:00pm** Large Group Discussion & Call to Action, Concluding Thoughts, Post-Workshop Survey
- **12:00pm-12:30pm** What's next for "Becoming a Data Ambassador?"



Ice Breaker

What is your favorite Fall activity? (Virtual)



Pre-Workshop Survey

Module 2 & 3: Navigation, Data Interpretation, & Application Pre-Assessment



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Module 1 Recap - Health Equity & Population Health Data

Health Equity

- Ensures that everyone has a fair and just opportunity to obtain their full potential for health and well-being
- Recognizes social and political factors influences a person's and/or community's health

Population Health Data

- Data collection/analysis/dissemination
- Uncover health disparities
- Identify where we allocate resources, interventions, and programming
- Advocate for equitable policies
- Used to design innovative solutions

Questions to consider..

- *Are areas more impacted than others?*
- *Have health outcomes change over time?*
- *Are these differences across racial groups, sex, and other demographics?*



Module 2: Navigating the Health Atlas

CCDPH Data Ambassadors Program

September 2025



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Learning Objectives

Module 2: Navigating the Health Atlas

Describe the purpose and contents of the Health Atlas.

Activity #1: Search & Explore Indicators

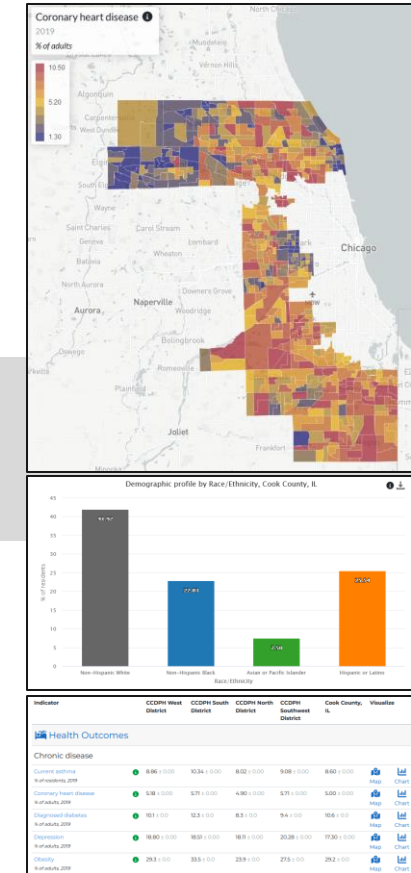
Activity #2: Visualize Indicators

Activity #3: Download Data & Images



Suburban Cook County Health Atlas

CCDPH'S Epidemiology Unit utilize various funding sources to support the population health epidemiology surveillance program

<https://cookcountyhealthatlas.org>



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Categories of Data on the Health Atlas

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HEALTH OUTCOMES

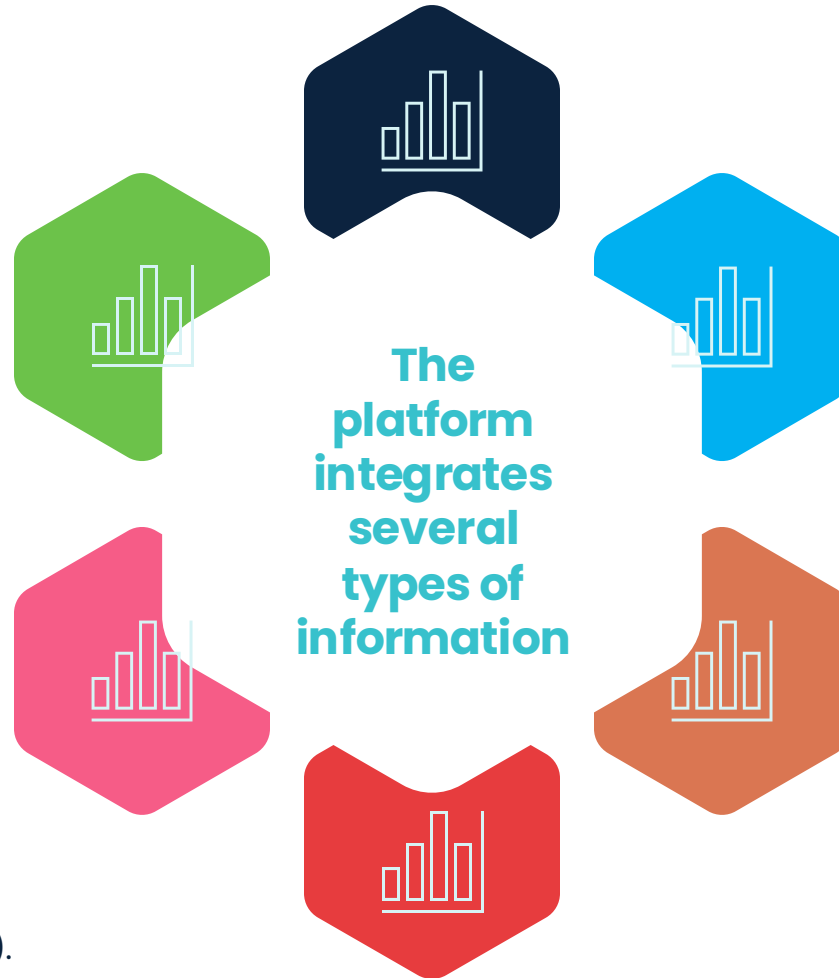
Consequences, complications and other outcomes that result from disease (e.g., injury, hospitalization, death).

HEALTH BEHAVIORS

Individual activities that influence health (e.g., alcohol, drug and tobacco use; diet, physical activity, sleep).

HEALTH CARE

Systems and services for administering care (e.g., health screenings; primary, prenatal and dental care; clinics, hospitals, FQHCs).



DEMOGRAPHICS

Population characteristics including community size, composition and structure (e.g., population, age, gender, race/ethnicity, migration).

SOCIOECONOMIC

Social and economic factors that can affect health (e.g., income, employment, educational attainment).

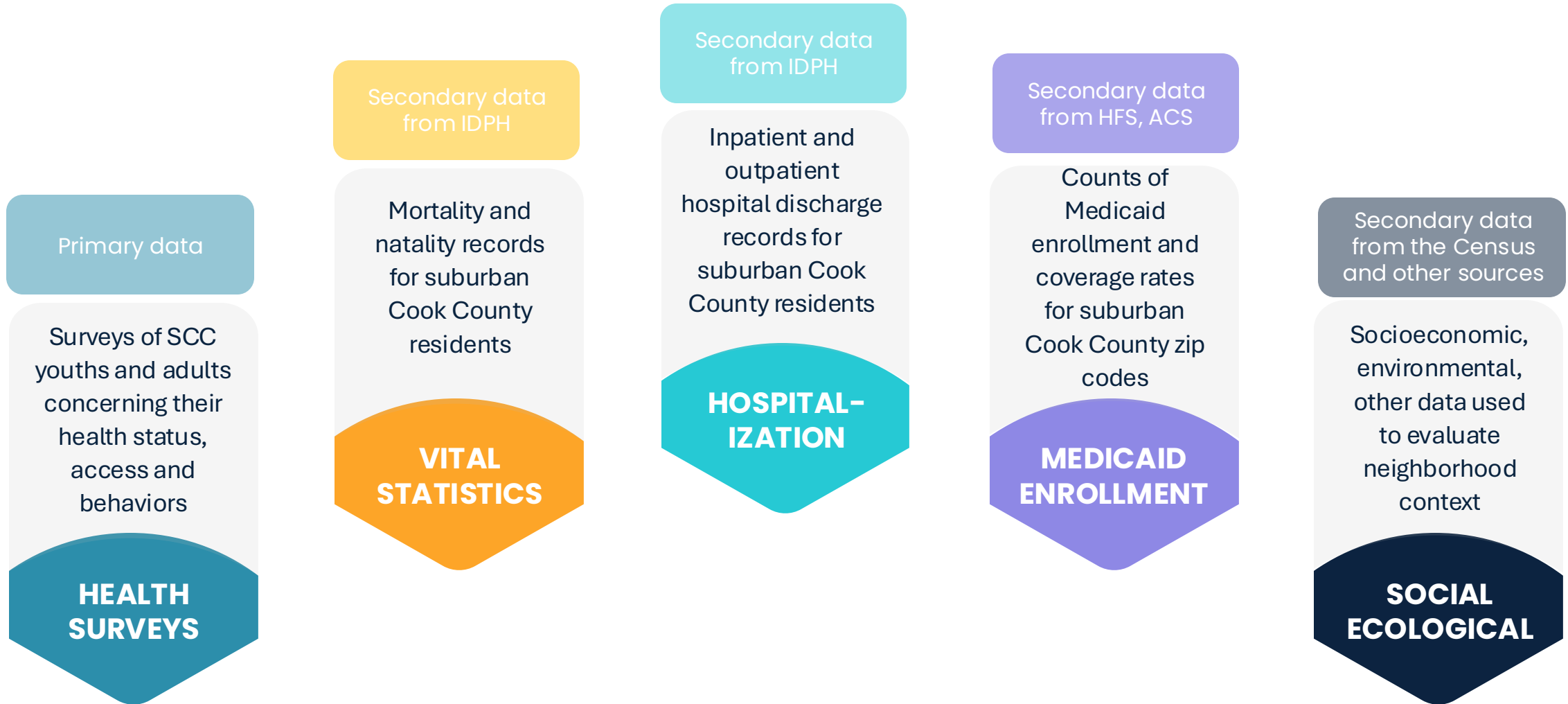
PHYSICAL ENVIRONMENT

Characteristics of the places where individuals live, learn, work, and play (e.g., housing, air quality, water quality and transportation)



Sources of Data on the Health Atlas

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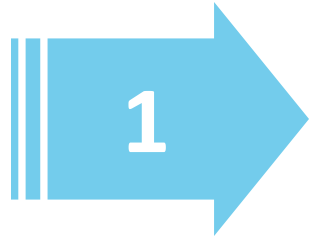
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Hands-On Activities

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Search & Explore Indicators

Use the atlas search tools to explore public health indicators concerning health outcomes, behaviors, social determinants of health, etc.

Search for indicators

Assess indicator availability

Review technical notes



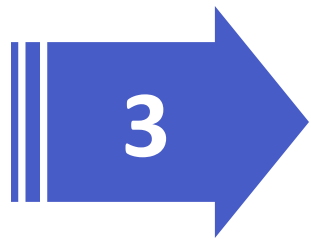
Visualize Indicators

Use the atlas mapping and charting tools to visualize indicator data by population group, place, and over time.

Stratify indicator by population group

Visualize indicator over time

Map indicator by place



Download Data & Images

Use the atlas download tools to export custom datasets and visualizations in different formats.

Download indicator data

Customize charts and maps

Export charts and maps as images



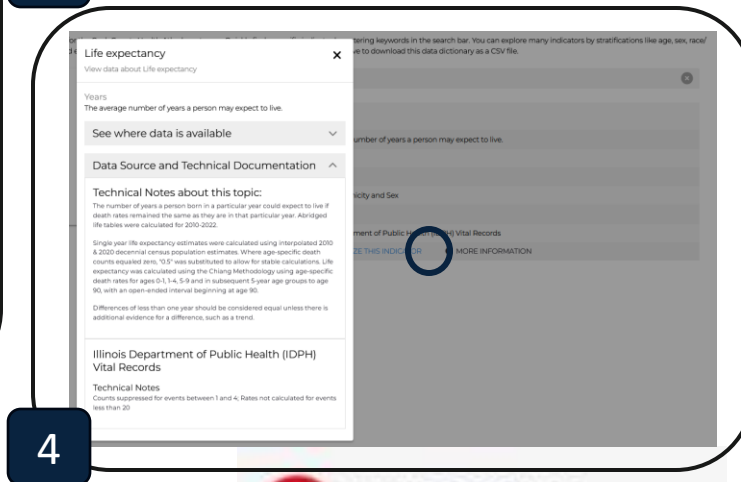
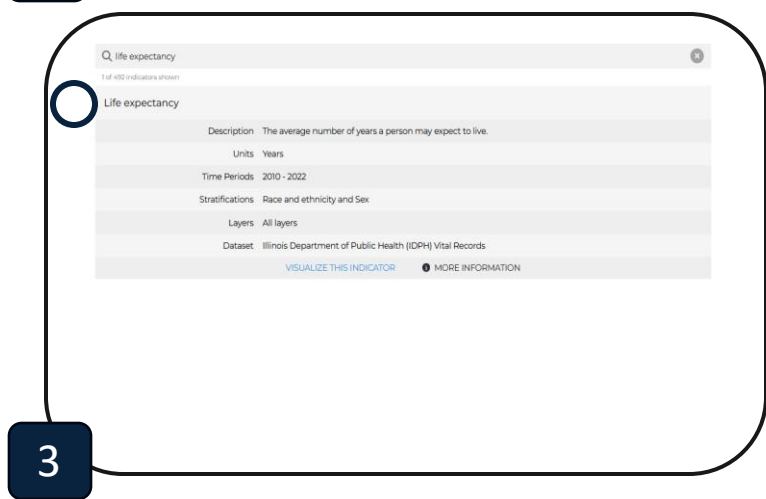
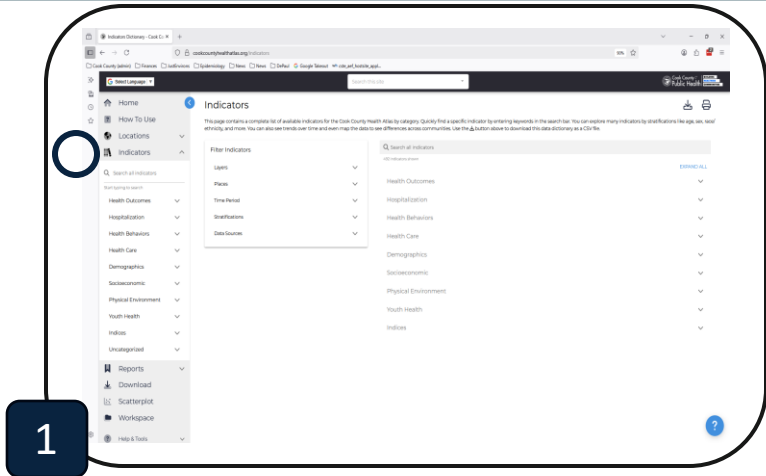
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Activity 1: Search & Explore Indicators

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Step 1: Click the “Indicators” option on the left navigation panel to open the indicators page.

Step 2: Type “life expectancy” into the search bar on the indicators page. The atlas actively filters indicators based on what is typed in the search bar.

Step 3: Click the indicator name from the list of filtered indicators to display the indicator’s description, data units, time periods, and the stratifications for which the indicator data are available.

Step 4: Click “More Information” to view the indicator’s public health importance and related technical documentation.

The Atlas includes nearly 500 public health-related indicators. Most indicators are updated on an annual basis.



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Activity 2: Visualize Indicators

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1

The screenshot shows a search bar with 'life expectancy' entered. Below the search bar, the indicator 'Life expectancy' is listed with a description: 'The average number of years a person may expect to live.' Other details include 'Units: Years', 'Time Periods: 2010 - 2022', 'Stratifications: Race and ethnicity and Sex', and 'Layers: All layers'. A blue circle highlights the 'VISUALIZE THIS INDICATOR' button.

2

The screenshot shows the 'Charts' tab for the 'Life expectancy' indicator. A bar chart displays life expectancy by race and ethnicity for the year 2022. The categories are: 'All population', 'Hispanic/Latino', 'Non-Hispanic Asian', 'Non-Hispanic Black', and 'Non-Hispanic White'. A blue circle highlights the 'Line Chart' button in the top right corner.

3

The screenshot shows the 'Line Chart' for the 'Life expectancy' indicator. The chart displays life expectancy by race and ethnicity from 2010 to 2022. The categories are: 'All population', 'Hispanic/Latino', 'Non-Hispanic Asian', 'Non-Hispanic Black', and 'Non-Hispanic White'. A blue circle highlights the 'Line Chart' button in the top right corner.

4

The screenshot shows the 'Map' tab for the 'Life expectancy' indicator. A map of Cook County, Illinois, displays life expectancy estimates by zip code. A blue circle highlights the 'Zip Codes' option under the 'Map Layer' section.

Step 1: With the life expectancy indicator visible in the indicator search panel, click the “Visualize This Indicator” link to display the default life expectancy by race and ethnicity chart for the latest data year, 2022.

Step 2: In the “Charts” tab, click the “Line Chart” option to view life expectancy by race and ethnicity group over time, between 2010 and 2022.

Step 3: Click the “Map” tab to view the default life expectancy map by municipality.

Step 4: With the “Map” tab open, click the “Zip Codes” option under “Map Layer” to view life expectancy estimates by zip code.

Most public health indicators can be stratified by race and ethnicity and displayed by municipality and zip code.



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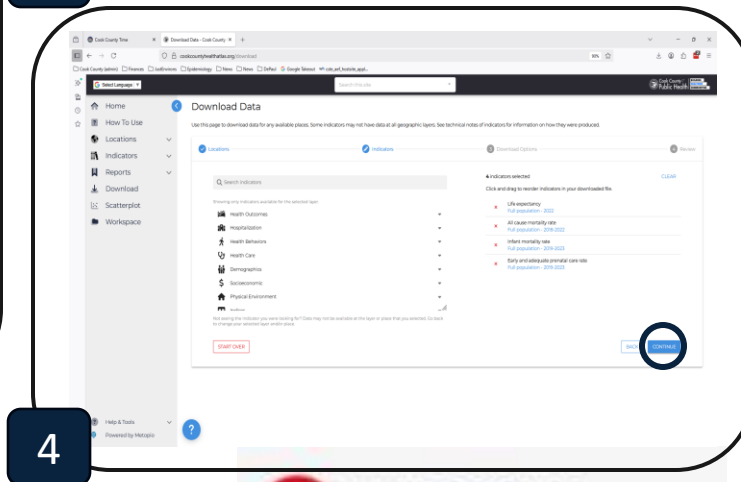
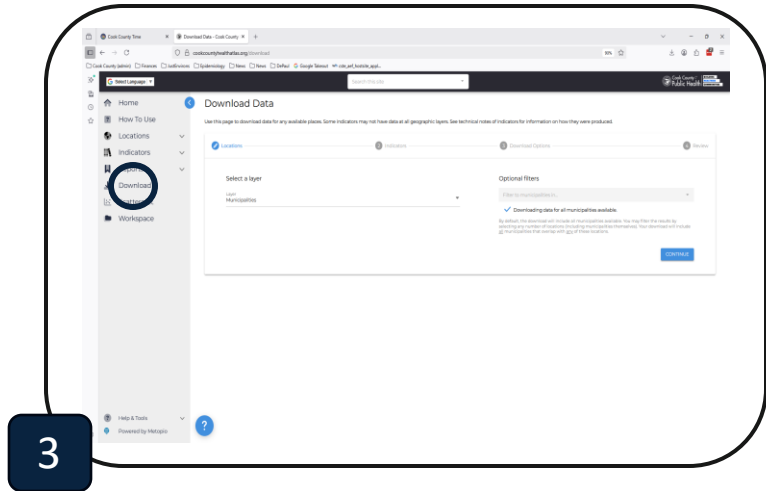
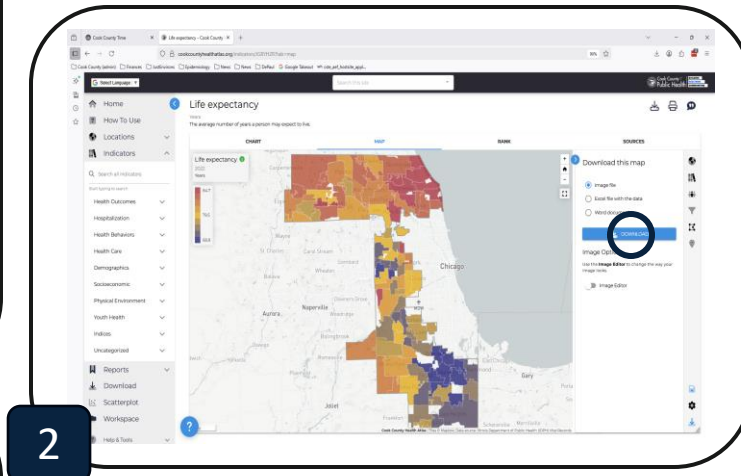
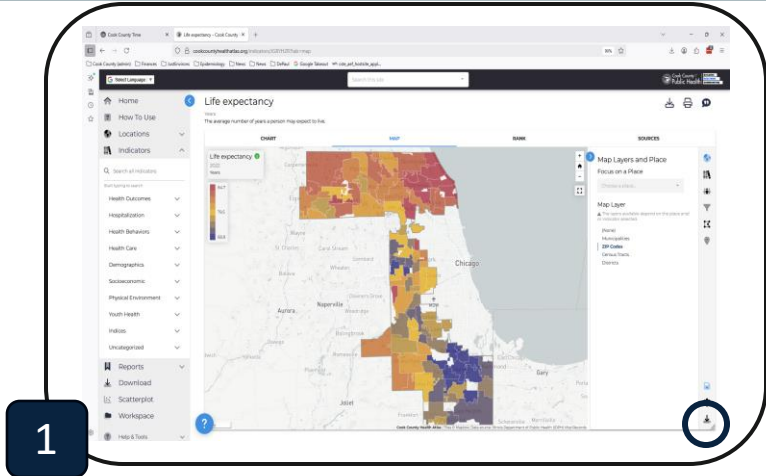
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Activity 3: Download Data & Images

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Step 1: With the “life expectancy” indicator by zip map visible, click the download icon  in the bottom right of the screen.

Step 2: Under “Download this map”, select one of the options and click the “Download” button to save the information locally on your computer.

Step 3: Click the “Download” link in the left navigation tab to view the atlas’ “Download Data” web page.

Step 4: Continue through the download data process by selecting your desired: (1) location (e.g., municipalities); (2) indicators; and (3) download option. Lastly review and download the data.

A custom set of indicators can be downloaded for multiple years and locations in a variety of formats including comma separated values (CSV) and Excel.



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Questions?



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Break!
15 minutes



Module 3: Data Interpretation & Application

CCDPH Data Ambassadors Program

September 2025



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Learning Objectives

Module 3: Data Interpretation & Application

Activity #4: Interpreting Counts & Rates

Activity #5: Intro to Data Analysis

Applied case studies (i.e., DAP-Libs) and small group discussions

Large group discussion and call to action



Hands-On Activities

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Interpreting Counts & Rates

Explore counts, which show the number of cases, and rates, which adjust for population size, so you can clearly see both the scale of health issues and their impact on community health.

Display pie and area charts of a count-based indicator

Display bar and line charts of a rate-based indicator

Evaluate and compare trends in both counts and rates.



Intro to Data Analysis

Use the atlas to create scatterplots that show how two indicators are related, evaluate the strength of those relationships with statistical measures, and compare the relative burden of health issues across different population groups.

Create a scatterplot to display the relationship between two indicators.

Evaluate the statistical relationship between indicators.

Examine relative burden across population groups.



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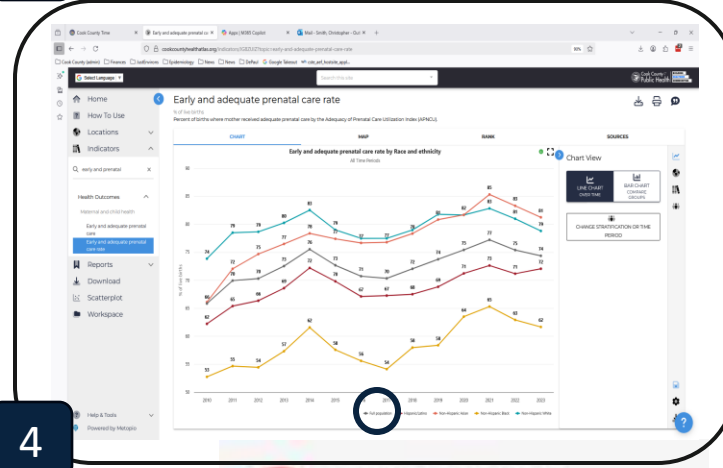
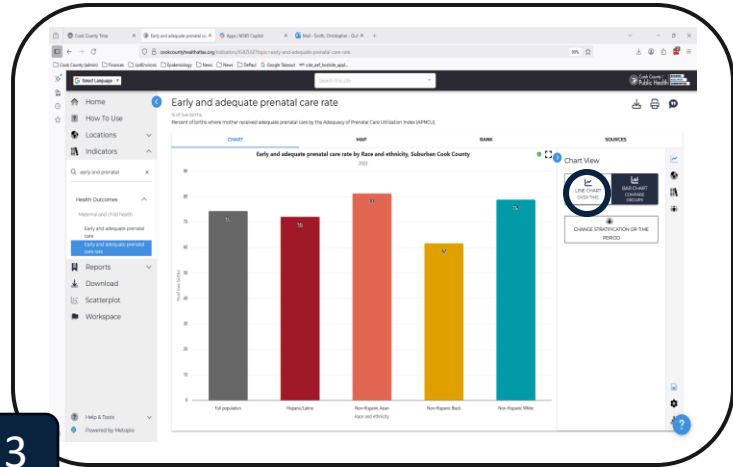
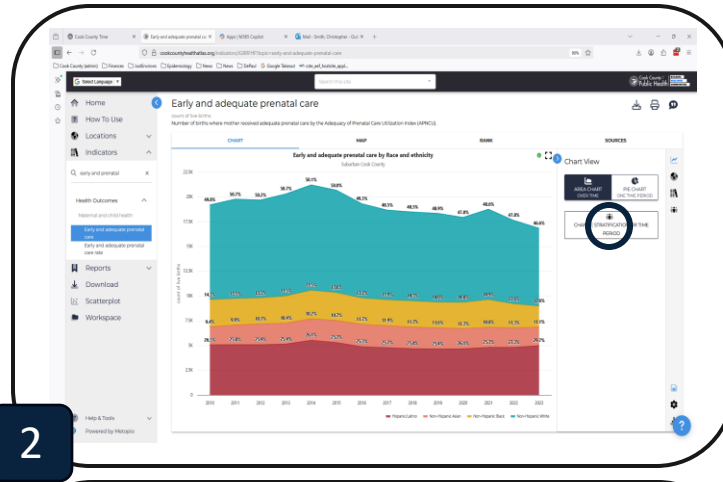
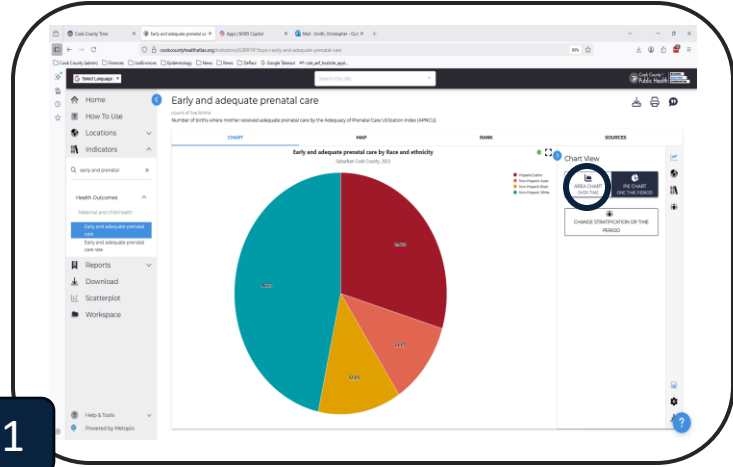
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Activity 4: Interpreting Counts & Rates

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Step 1: Use the steps from Activities 1 and 2 to display the default **pie chart** of the Atlas' "Early and adequate prenatal care" *count indicator* by race and ethnicity.

Step 2: Click the "Area Chart Over Time" option to view a representation of the number and share of suburb Cook County's total prenatal care counts by race and ethnic group.

Step 3: Now use the steps from Activities 1 and 2 to display the default **bar chart** of the "Early and adequate prenatal care rate" indicator by race and ethnic group.

Step 4: Click the "Line Chart Over Time" option to view a representation of the race and ethnic group-specific prenatal care rates over time. Toggle what groups are displayed by clicking the legend item below the chart.

Counts show the absolute number of health events, while rates adjust for population size and can reveal relative risk and/or burden across groups.



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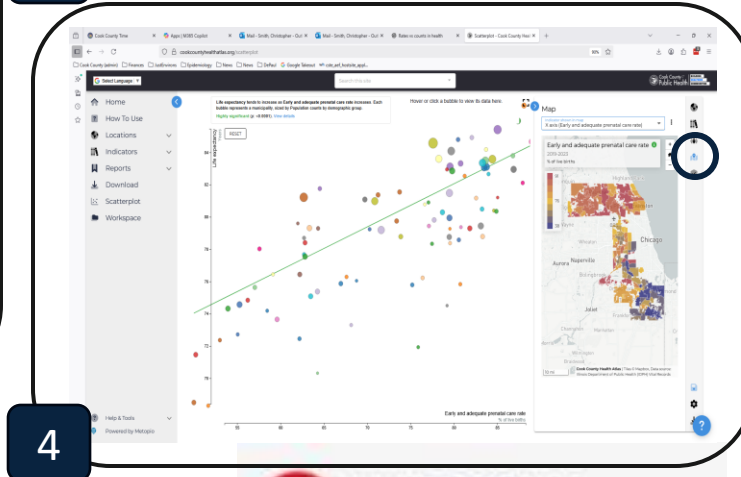
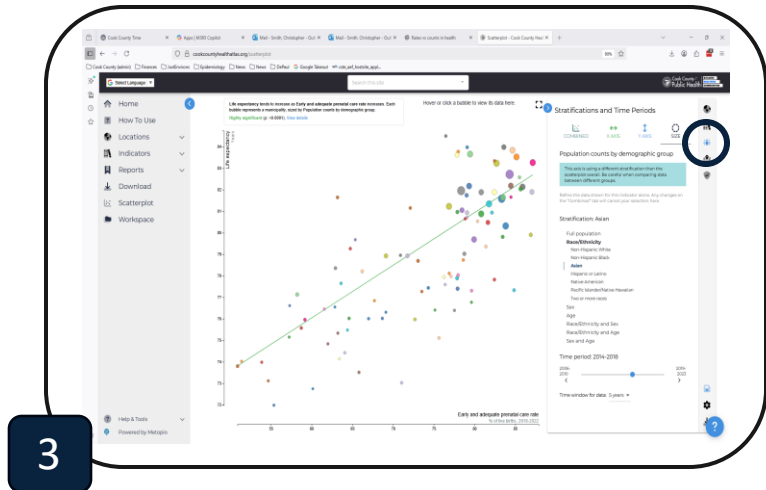
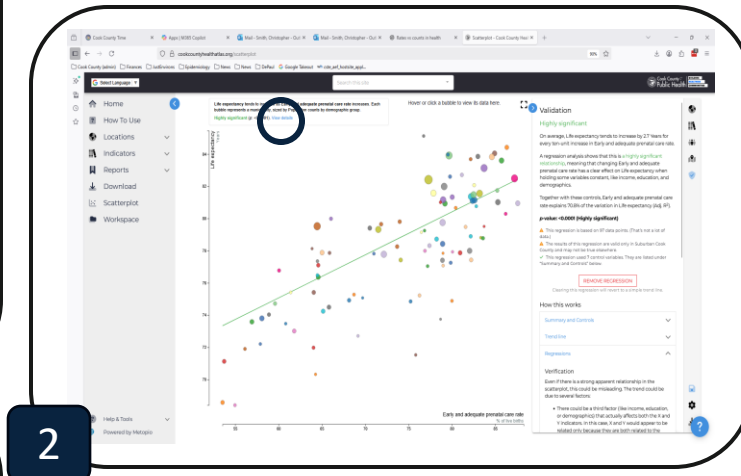
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Activity 5: Intro to Data Analysis


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Step 1: Click the "Scatterplot" option on the left navigation panel and select "Early and adequate prenatal care rate" for the X axis indicator and "Life Expectancy" for the Y axis indicator.

Step 2: Click "View details" to see a summary of the statistical relationship between the two indicators while holding some social determinants of health variables constant.

Step 3: Click the "Stratifications and Time Periods" icon  and the "Size" option  to adjust the size of the circles (i.e., municipalities) in the scatterplot relative to their share of a selected population group (e.g., Asian).

Step 4: Click the "Map" icon  to explore geographically the rates of plotted indicators by municipality.

Scatterplots are most useful when comparing rate-based indicators reported at similar geographies and time periods.



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Questions?



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Breakout Group Activity “DAP-LIBS”

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Breakout group topics:

- Chronic Disease
- Behavioral Health
- Food Insecurity
- Health Care Access



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Thank you for participating in Modules 2 and 3!

- **Thank you** for your participation in Modules 2 and 3 of the Data Ambassador Program!
- **Remember!** Module 4 – Becoming a Data Ambassador – will be 10am-11am, Thursday September 11
- **DAP Workspace Opportunity** – Help CCDPH design and manage DAP workspaces as part of a pilot project
- **Post-Assessment Survey**

