

Data Dashboard Navigation Guide

A Step-by-Step Introduction to the Urban Indian Health Institute's Data Dashboard



Urban Indian Health Institute
A Division of the Seattle Indian Health Board

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1. Navigation Instructions

To begin, click on the following link <http://www.uihi.org/urban-indian-health/data-dashboard/> for access to the Urban Indian Health Institute's (UIHI) data dashboard.

On the first page of the data dashboard you will find background information on the urban Indian population and a description of urban Indian health (UIH) service areas and the services provided by Urban Indian Health Programs and urban Indian social service and faith-based organizations that make up UIH service areas.

The screenshot shows the top navigation menu of the Urban Indian Health Institute data dashboard. The menu items are: Urban Indian Health, Methods and Analysis, Indicators and Limitations, Data Sources, Data Sources 2, Data Sources 3, Locations, and UIH S. Below the menu is the Urban Indian Health Institute logo and the text "A Division of the Seattle Indian Health Board". The main header is "URBAN INDIAN HEALTH". The content area is split into two columns. The left column contains text about the US Census and the urban Indian population, and the right column contains text about the unique health needs of urban Indians and the services provided by Urban Indian Health Programs.

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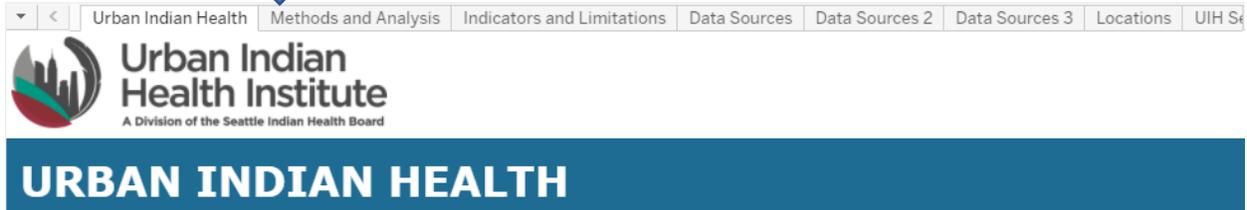
URBAN INDIAN HEALTH

According to the US Census, approximately 71% of American Indians and Alaska Natives (AI/AN) live in urban areas. The urban Indian population is composed of self-identified AI/ANs who are currently living off federally defined tribal lands in metropolitan areas.

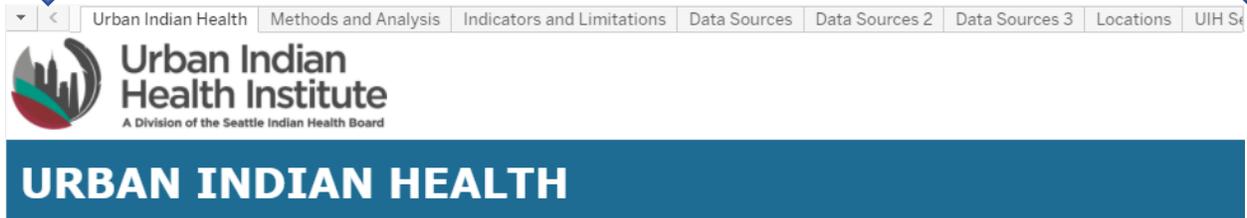
Urban Indians experience a disproportionate burden of disease, including chronic disease, infectious disease and unintended injury with extraordinarily high levels of co-morbidity and

To meet the unique health needs of urban Indians, there are numerous programs located across the United States that are culturally grounded and focus on providing holistic care. These include private, non-profit corporations funded in part under Subchapter IV of the Indian Health Care Improvement act who receive limited grants and contracts from the Indian Health Service. In addition, there are numerous social service and faith-based organizations serving the public health needs of urban AI/ANs. We define these as Urban Indian Health (UIH) service areas.

To navigate through the data dashboard you have multiple options. One option is to click on any topic of the data dashboard at the top using the tabs shown below.



Another option is to browse through topics using the arrows located on the left and right ends of the bar. This allows you to scroll back and forth through available options.



Lastly, you may also click on the leftmost button in the navigation bar (arrow pointing down). This option pulls down a menu of all available topics that you can click on to take you to the topic page you want to view.



2. Topics

The data dashboard is a living site, meaning that it will be updated on a regular basis as UIHI adds new topics of interest. Please contact UIHI at info@uihi.org if you have any feedback or content areas that you would like to see incorporated into the data dashboard. Currently, the topics include: methods and analyses, indicator (topic) selection and data sources, locations of UIH service area locations layered with population density of American Indians and Alaska Natives (AIs/ANs) in the United States by county, a map of the UIH service areas, and information regarding sociodemographics, mortality, maternal and child health, sexually transmitted diseases, substance use, and mental health. **Please note that not all of these topics are available for all locations due to sample size constraints.**

3. Example Walk Through

Let's walk through an example of how to access information via the data dashboard. Say you are interested in knowing unemployment statistics. You will navigate to the "Unemployment" topic page using any of the methods listed above. Once you've arrived at the "Unemployment" page you'll see a screen layout like this:

The screenshot shows the UIHI data dashboard interface. At the top, there is a navigation bar with tabs for 'Locations', 'UIH Service Areas', 'Age and Gender', 'Race', 'Unemployment', 'Poverty', 'Education', 'Health Insurance', 'Housing', and 'Food Stan'. The 'Unemployment' tab is selected. Below the navigation bar is the UIHI logo and the text 'Urban Indian Health Institute A Division of the Seattle Indian Health Board'. To the right of the logo are two dropdown menus: 'Geography' set to 'All UIH Service Areas' and 'Compare to' set to 'non-Hispanic Whites'. The main content area is titled 'SOCIODEMOGRAPHICS' and features a large blue heading 'Unemployment'. Below the heading is a photograph of a man with glasses and a denim jacket. A green text box overlaid on the bottom of the photo reads: 'Among AI/ANs in all UIH service areas, 1 in every 6 people is unemployed.' To the right of the photo is a text block explaining that unemployment has a negative effect on health and that the numbers shown reflect the civilian labor force 16 years and older. Below this text is a bar chart titled 'Percent of Unemployment, All UIH Service Areas' showing a blue bar for 'AI/AN' at 15.8%.

On each topic page you will see several boxes. A brief description of the topic can be found in the **grey area**. The **green box** on the page shows a brief comparison statement of the data being reviewed. For some topics, confidence intervals are provided. You can see the confidence intervals by hovering over the bar graphs. For this data dashboard profile, confidence intervals can be used as a visual to determine if there is a difference in the outcome between AI/AN and non-Hispanic White (NHW) populations.

Navigation: < 3 Locations UIH Service Areas Age and Gender Race Unemployment Poverty Education Health Insurance Housing Food Stan >

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SOCIODEMOGRAPHICS

Unemployment RANK 30 of 30

Brief description of indicator

Extensive evidence has shown that unemployment has a negative effect on health. Unemployed individuals may experience financial insecurity and reduction in social status, social relations, and self-esteem. In addition, unemployed individuals are also more likely to lack health insurance coverage.

Unemployment numbers shown reflect the civilian labor force 16 years and older. These proportions do not include individuals in the military or individuals who are institutionalized.

Brief comparison

Among AI/ANs in the Dallas service area, 1 in every 9 people is unemployed.

Percent of Unemployment

AI/AN 11.0%

Hover over bar graph to view confidence interval

4. Comparisons

Let's dive into a comparison. On the topic pages you'll see boxes that say "Geography" and "Compare to" in the upper right-hand side.

Navigation: < 3 Locations UIH Service Areas Age and Gender Race Unemployment Poverty Education Health Insurance Housing Food Stan >

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SOCIODEMOGRAPHICS

Unemployment

Geography
All UIH Service Areas

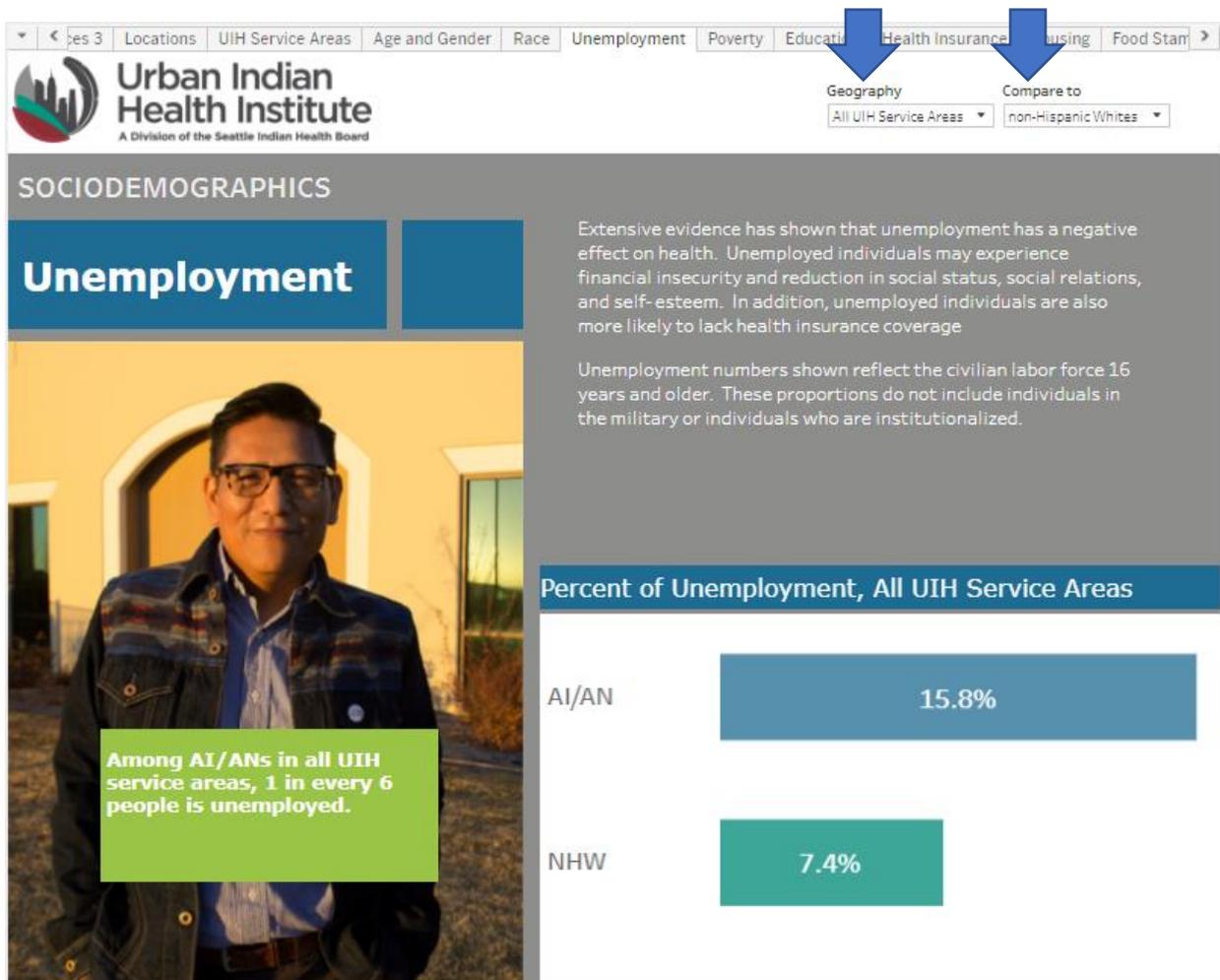
Compare to
non-Hispanic Whites

Extensive evidence has shown that unemployment has a negative effect on health. Unemployed individuals may experience financial insecurity and reduction in social status, social relations, and self-esteem. In addition, unemployed individuals are also more likely to lack health insurance coverage.

Under “Geography” you’ll find all the options for city names represent UIH service areas and the “All UIH Service Areas” option. “All UIH Service Areas” is aggregated data from all UIH service areas.

For “Compare to” you’ll find options to compare the AI/AN community to the HW community both on a national scale and by UIH service area. You can also use “Compare to” to assess how an individual UIH service area compares to the aggregate “All UIH Service Area” area or how an individual UIH service area compares to other individual UIH service areas among the AI/AN population.

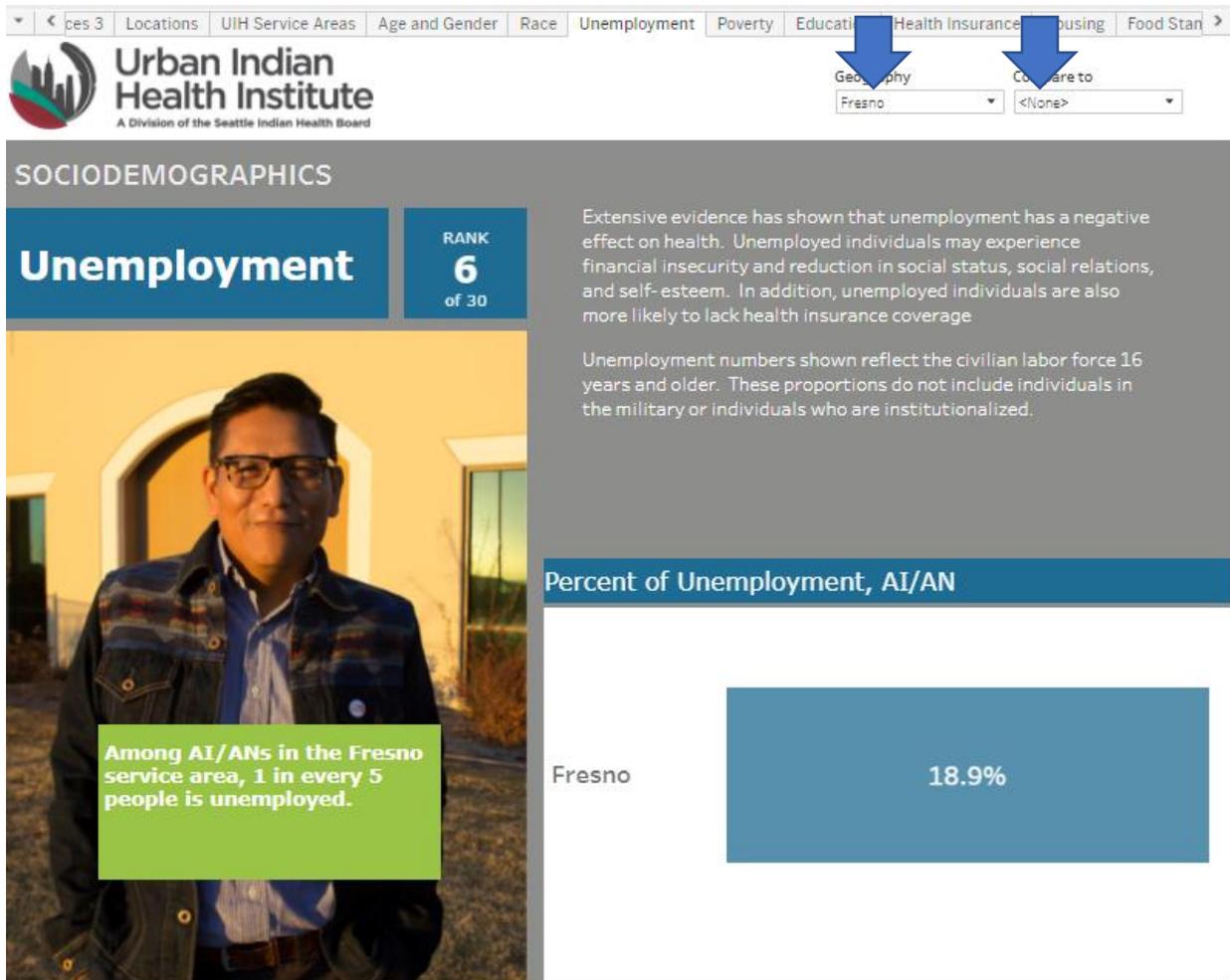
Now let’s say you want to compare the unemployment percentage for AI/AN people across all UIH service areas with the unemployment percentage for NHWs in all UIH service areas. Under “Geography” you would hit the down arrow and choose “All UIH Service Areas” and under “Compare to” you would hit the down arrow and choose “non-Hispanic Whites”.



The results show that 15.8% of AI/AN people living in the UIH service areas are unemployed compared to only 7.4% of NHW people living in those same areas.

5. Individual UIH Service Area Results

Let's say you just want to know what unemployment looks like for AI/AN people living in the Fresno service area. First, you would select Fresno for "Geography" and then select "<None>" for "Compare to". This means that you will only show unemployment for AI/AN people living in the Fresno service area.



This selection shows us that 18.9% of AI/AN people aged 16 years old and older living in the Fresno service area were unemployed.

6. Rankings

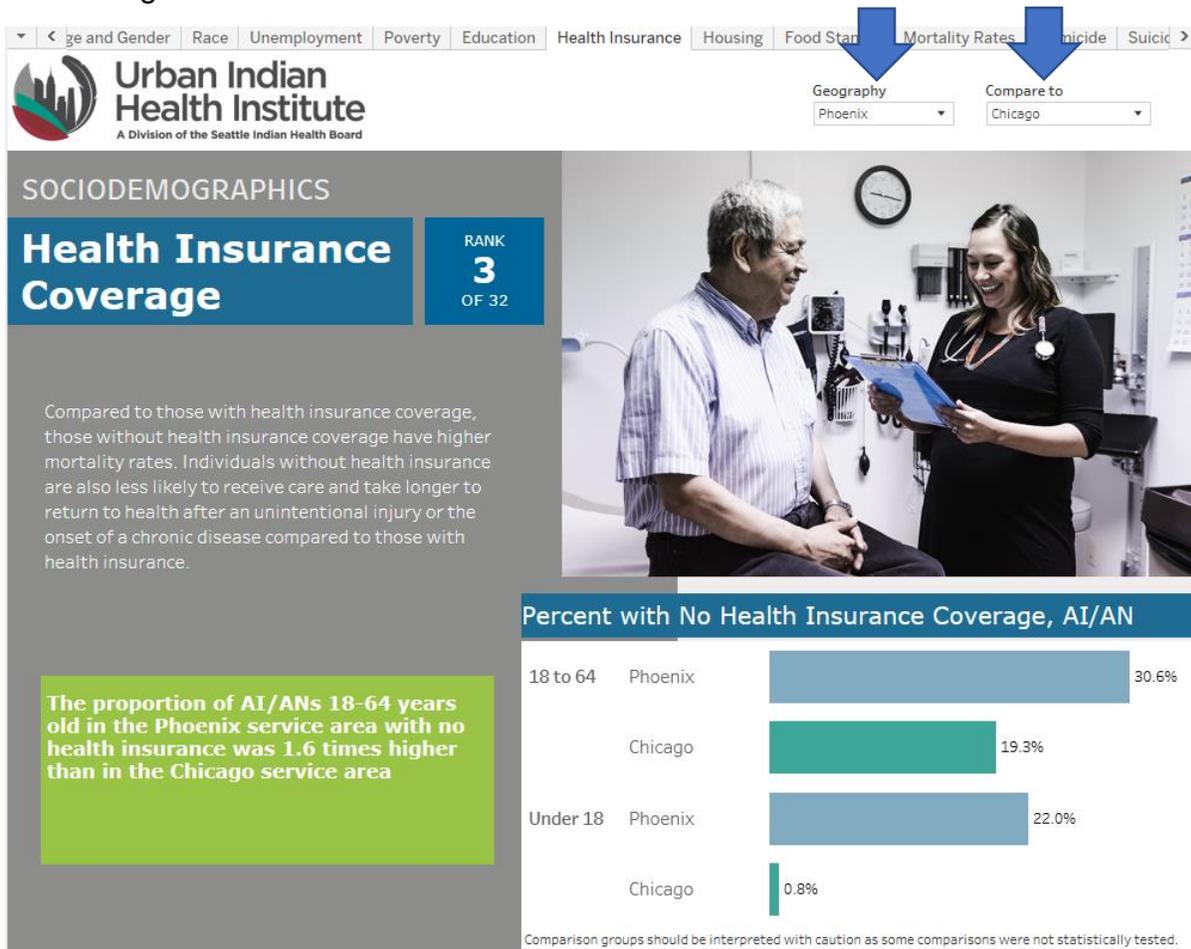
Rankings for specific topics among the individual UIH service areas is provided on each page. The ranking is located right next to the indicator being reviewed. When you hover your mouse over the ranking, you will see a definition of the ranking and what it means.

The number identifies the ranking of the UIH service area that was selected in the “Geography” drop down. For this example, you will see the Fresno service area ranks 6 out of 30 UIH service areas.

The screenshot displays the Urban Indian Health Institute website interface. At the top, there is a navigation bar with tabs for 'Locations', 'UIH Service Areas', 'Age and Gender', 'Race', 'Unemployment', 'Poverty', 'Education', 'Health Insurance', 'Housing', and 'Food Star'. The 'Unemployment' tab is currently selected. Below the navigation bar is the Urban Indian Health Institute logo and name, with the text 'A Division of the Seattle Indian Health Board'. To the right of the logo, there are two dropdown menus: 'Geography' set to 'Fresno' and 'Compare to' set to '<None>'. Below this is a section titled 'SOCIODEMOGRAPHICS' with a sub-section for 'Unemployment'. A blue box highlights the 'RANK 6' next to the 'Unemployment' indicator. A blue arrow points down to the rank. To the right of the rank, there is a text box explaining that 'Extensive evidence has shown that unemployment has a negative effect on health. Unemployed individuals may experience financial insecurity and reduction in social status, social'. A tooltip below the rank states: '#1 ranking represents the UIH service area with the highest percentage of AI/ANs who were unemployed.'

7. Viewing Differences in UIH Service Area Results

Let's explore how to show insurance coverage rates between AI/AN people living in the Phoenix service area and AI/AN people living in the Chicago service area. First, we would select Phoenix under "Geography" and then select Chicago under "Compare to". This means we will show the health insurance coverage for the AI/AN population in the Phoenix service area next to the health insurance coverage for the AI/AN population in the Chicago service area.



Navigating through the other indicators on the data dashboard is very similar to the above instructions, with the exception of mortality.

8. Mortality Navigation

The “Top Mortality Causes” tab shows you the top causes of mortality or the top causes of cancer mortality for AI/ANs compared to NHWs for females and males. As you can see below these pages look different from the other topic pages.

The screenshot shows the Urban Indian Health Institute website interface for 'Top Mortality Causes'. At the top, there are navigation tabs: 'Using', 'Food Stamps', 'Mortality Rates', 'Homicide', 'Suicide', 'Top Mortality Causes', 'Mortality Rate by Age Group', and 'Births by Race / Ethnicity'. The Urban Indian Health Institute logo is on the left, and 'Geography' and 'Compare to' dropdown menus are on the right. Below the navigation is a 'MORTALITY' header with a 'Top Mortality Causes' title. A 'Let's Compare' section provides instructions: 1. Select Race, Gender and Category options on each side below; 2. Select a Geography above; 3. Select the same or a different value in the "Compare to" option.

There are two main comparison panels. The left panel is for 'AI/AN' and the right panel is for 'NHW'. Both panels have 'All' selected for Gender and Category. The 'Geography' for both is 'All UIH Service Areas (deaths per 100,000)'. Below each panel is a table of top mortality causes.

Cause	Rank	Mortality Rate (per 100,000)
Vascular disease	1	64.7
Cancer	2	48.2
Chronic liver disease and cirrhosis	3	25.0
Diabetes	4	18.8
Motor vehicle accidents	5	11.2

Cause	Rank	Mortality Rate (per 100,000)
Vascular disease	1	254.3
Cancer	2	189.6
Chronic lower respiratory disease	3	45.1
Alzheimer's disease	4	35.3
Diabetes	5	19.1

At the bottom, a legend titled 'Mortality Rate per 100,000' shows a gradient from 1.0 (lightest blue) to 500.0+ (darkest blue).

Similar to the other topic pages you can compare the “All UIH Service Areas” to an individual UIH service area or compare between two individual UIH service areas.

The page also provides a legend with a mortality gradient at the bottom, showing shades of blue for the different levels of mortality. Lighter shades of blue correspond to lower mortality rates and darker shades of blue correspond to higher mortality rates.

9. Example Walk Through Mortality

Let's do an example walk through of how to access mortality information. Say you want to compare cancer mortality rates between AI/AN women and men for all UIH service areas. In order to do this, you will pick "All UIH Service Areas" for "Geography" and "Compare to." Then in the grey boxes you'll see "Race", "Gender", and "Category." "Race" allows you to choose from AI/AN and NHW. "Gender" allows you to choose from "female" and "male" and "Category" lets you choose either "All" for all causes of mortality and "Cancer" for the top cancer related mortalities. Now you'll see the top five causes of cancer related mortality for AI/AN females compared to AI/AN males for all UIH service areas.

The screenshot shows the Urban Indian Health Institute's Mortality dashboard. At the top, there are navigation tabs: "using", "Food Stamps", "Mortality Rates", "Homicide", "Suicide", "Top Mortality Causes", "Mortality Rate by Group", "Births", "Race / Ethnicity", and "BI". The "Mortality Rate by Group" tab is active. Below the navigation, the UIH logo is displayed. The main heading is "MORTALITY" with a sub-heading "Top Mortality Causes". A "Let's Compare" section provides instructions: 1. Select Race, Gender and Category options on each side below; 2. Select a Geography above; 3. Select the same or a different value in the "Compare to" option. The dashboard is split into two columns: "Geography" and "Compare to". Each column has a "Race", "Gender", and "Category" dropdown menu. The "Geography" column is set to "All UIH Service Areas", "Race" to "AI/AN", "Gender" to "All", and "Category" to "All". The "Compare to" column is set to "All UIH Service Areas", "Race" to "NHW", "Gender" to "All", and "Category" to "All". Below these filters are two tables showing the top five causes of mortality. The "Geography" table shows: Vascular disease (Rank 1, 64.7), Cancer (Rank 2, 48.2), Chronic liver disease and cirrhosis (Rank 3, 25.0), Diabetes (Rank 4, 18.8), and Motor vehicle accidents (Rank 5, 11.2). The "Compare to" table shows: Vascular disease (Rank 1, 254.3), Cancer (Rank 2, 189.6), Chronic lower respiratory disease (Rank 3, 45.1), Alzheimer's disease (Rank 4, 35.3), and Diabetes (Rank 5, 19.1). At the bottom, there is a "Mortality Rate per 100,000" slider ranging from 1.0 to 500.0+.

10. Feedback

UIHI wants the data dashboard to be an evolving source of information and therefore we welcome your feedback. If you have any feedback on how we can improve and what we should include in future iterations of the data dashboards please email us at info@uihi.org. If you need any assistance accessing and navigating the data dashboard please send us a request at info@uihi.org.