

Data Sources to Explore Health Inequity

Short Course: Equity in Accessing Healthcare Services

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Introduction

Objective:

Analyze the health equity status in a country of your choice

Outcome:

- Create a **factsheet** summarizing key data on the population health equity in that country

Reasons for Exploring Health Inequity

- For policy and planning
 - Patterns of disease & of risk factors—level and equity
 - Intervention types- preventive, promotive, curative, rehabilitative, palliative
 - Cost of interventions
 - Financing of health services
- For assessment & monitoring of interventions & programs
- For comparison of:
 - Populations & sub-populations
 - Diseases
 - Interventions

Data sources

- WHO Global Health Observatory
- Demographic and Health Survey-STATcompiler
- World Bank Data
- Institute of Health Metrics and Evaluation

WHO Global Health Observatory

- Go to <https://www.who.int/data/gho>
- Click tab **'Indicator'**, select an indicator of your choice, read the 'indicator definition' and see the data
- Click the link: "See the full Alphabetized list of indicators here"
- Click on an indicator Pharmacists (per 10 000 population) to explore
- Click the tab "Data" and explore Filters and More Options (three dots)

- Click tab **'Countries'** and explore a country data (Bangladesh) like before
- Explore More Options (three dots) beside each graph
- Export the data either as PDF or PNG

Demographic and Health Survey

- Go to <http://www.dhsprogram.com>
- Click on 'STATCOMPILER'
- You can also go directly to STATCOMPILER site by visiting:
<https://www.statcompiler.com/en/>
- Click 'CHOOSE COUNTRY'
- Choose 'India', click 'NEXT'
- Choose 'Under-five mortality rate', click 'NEXT'
- In 'Surveys', select 'Recent'
- From right side pane, select 'Sex', 'Residence'
- Deselect all indicators except 'Total' and then select 'Region'

How to use STAT compiler? (Contd.)

- From 'Under-five mortality rate' column, sort the values from lowest to highest
- Which state has the lowest and highest under-five mortality rate?
- Click the bar graph, select another country (Nepal)
- Click line graph, select another country (Bangladesh)
- Click map, compare India, Nepal, and Bangladesh in terms of under-five mortality
- Deselect Bangladesh and Nepal
- In 'Level', select 'Subnational'
- Which areas of India have higher and lower under-five mortality?
- Select Bangladesh; which areas have higher and lower under-five mortality?

World Bank Data

- Go to <http://data.worldbank.org/>
- Choose any of the following options:
 - By Country
 - By Indicators
- Click 'Indicators' tab
- Click 'All indicators' tab [default is 'Featured indicators']
- Find the 'Health' indicators of your choice; e.g. Life expectancy at birth, total (years)
- Explore the 'MAP' tab
- Explore the 'GRAPH' tab, compare different countries (E.g., countries our students are from)

Institute of Health Metrics and Evaluation

- Go to <https://www.healthdata.org/>
- Go to 'Results,' then 'Data Visualizations,' then GBD Compare
- Select and explore the following options one by one from the left column
 - Map
 - Treemap
 - Risks by Cause
 - Arrow Map
 - Pyramid
 - Patterns
 - Heat Map
 - Plot
 - Line
- Click 'Take tour' to learn more
- Explore 'Share,' 'Download,' and 'i' buttons on the upper right corner of the website

Thank you

Questions/comments

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