


Protecting and promoting the health and safety of the people of Wisconsin

Public Health Data Resources

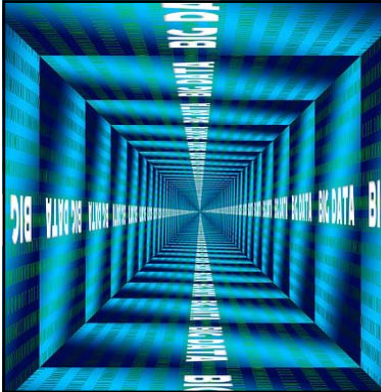
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WISCONSIN DEPARTMENT
of HEALTH SERVICES

*Office of Health Informatics
Division of Public Health*



Why data matter

How data are managed

How to access the data

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Example: John Snow

Why data matter

The place:
London,
England 1854

The problem:
Cholera

The man:
Dr. John Snow



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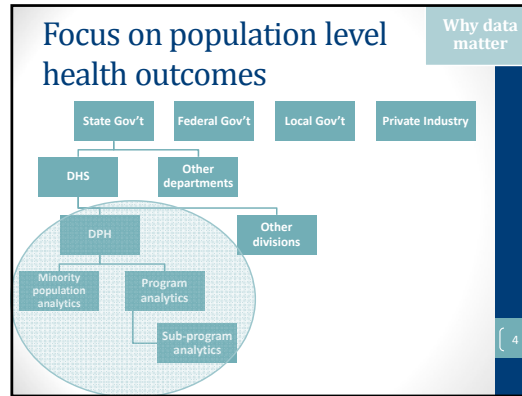
Why data matter

Access to Quality Data

Informed Decisions

Healthy Communities

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Data drives health policy & programming

Why data matter

- For example
 - Surveillance
 - Research
 - Evaluation
 - Quality Improvement
 - Grant writing & management
 - Updating policy – internal or external
 - Communication and data sharing
 - Many others...

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DPH Example – Healthy Wisconsin

Wisconsin Health Improvement Plan
Healthy Wisconsin At-A-Glance

Why data matter

Priority	Alcohol	Nutrition and Physical Activity	Opioids	Suicide	Tobacco
Goal	Prevent and Reduce Binge Drinking	Eat Healthier and Move More	Prevent and Reduce Opioid-Related Deaths and Harm	Prevent Suicide	Prevent and Reduce Smoking and Use of Other Tobacco Products
Current Status	48th for Excessive Drinking and Binge Drinking	36th for Obesity 75th for Physical Inactivity 94th for Fruit Consumption 36th for Vegetable Consumption	25th for drug deaths (AHR 2015)	27th for Suicide	21st for Smoking

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Data Management for DPH

How data are managed

- Division-wide use of data – a systems approach
- The Era of Big Data
 - Storage
 - Access
 - Prioritization
- Enabling the sharing of data
 - Data Governance Board
 - Communication among programs
 - Data Sources Repository
 - Data Request Tracking System (DRTS)

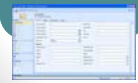
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Office of Health Informatics data operations

How data are managed


Death certificate

[vital records]




Data in the Vital Records Reporting Database

[informatics architecture]



Annual Death Report

[health analytics]



[8]

WEDSS
WI ELECTRONIC DISEASE SURVEILLANCE SYSTEM

How data are managed

www.dhs.wisconsin.gov/wipin/wedss

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You Might Want to Know...

- What is overall life expectancy in Wisconsin?
- How many individuals were hospitalized for heart attack in Grant County in 2015?
- How does Wisconsin rank on binge drinking?
- What areas of the state have the highest rate of asthma hospitalizations?

How to access the data

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DHS WorkWeb

How to access the data

DPH Menu

- DPH Home
- About DPH
- Accreditation
- Commodities (DPH)
- Data Management
- Digital Library
- DPH Bureau and Offices
- DPH STAR Resources
- External Information Approval (EIA)
- Grant Process (DPH)
- Human Resources (DPH)
- Less Page
- Policies and Procedures (DPH)

DPH Data Management Tools

DPH Data Sources Repository

The DPH Data Sources Repository (DRS) is available at <https://dhs.dhs.wisconsin.gov/dph/dhs/data/sources/Sharepoint.aspx>

- Individual programs
- Research and statistics
- Federal reporting

How is the repository organized?

- Data Request and Technical Assistance Tracking System (DRTS)
- Data Use Agreements
- Other Tools

DHS website: One Stop Shop How to access the data

The screenshot shows the Wisconsin Department of Health Services website. The navigation bar includes links for Home, Data & Statistics, Disease & Immunization, Health Care & Coverage, Long Term Care & Support, Prevention & Health Promotion, Partners & Providers, and Confidential, Urgent & Emergencies. The 'Data and Statistics' section is highlighted, featuring a 'Vital Statistics' link and a 'Data & Statistics' link. Below the navigation bar, there are social media icons and a 'Data & Statistics' section with a brief description and a 'View all Data & Statistics' link.

www.dhs.wisconsin.gov/stats 12

EPHT aka "Tracking" How to access the data

The screenshot displays the Wisconsin EPHT (Epidemiology and Prevention Tracking) interface. It features a map of Wisconsin with counties shaded in various shades of green, representing different age-adjusted rates. A legend below the map indicates the color coding for age-adjusted rates, with categories such as '100.00 to 105.00', '105.00 to 108.00', '108.00 to 110.00', '110.00 to 112.00', and '112.00 to 115.00'. A line chart to the right of the map shows the 'Age-Adjusted Rate' over time from 2000 to 2014. The chart has two lines: a red line for 'Current selection' and a yellow line for 'Data not available'. The red line shows a general downward trend from approximately 110 in 2000 to 105 in 2014. The yellow line shows a similar trend but with more fluctuations. A legend for the chart indicates 'Current selection' (red) and 'Data not available' (yellow). Below the chart, there is a 'Data not available' legend and a 'Data average: 10.48'.

www.dhs.wisconsin.gov/epht 13

WI Interactive Statistics on Health (WISH) How to access the data

The screenshot shows the Wisconsin Interactive Statistics on Health (WISH) interface. It features a search bar at the top and a list of search results. The first result is 'Step 1. Which measure do you wish to focus on?'. Below this, there are several search results for 'Number of Deaths', 'Rate (per 100,000 population)', 'Age-adjusted Mortality Rate (per 100,000 population)', and 'Average Age at Death'. The search results are ranked by 'Number of Deaths' and 'Rate (per 100,000 population)'. Below the search results, there is a section for 'Years of Potential Life Lost (YPLL)' with a list of search results for 'Number of Years', 'Rate (per 100,000 population)', and 'Age-adjusted Rate for Selected Age Group Rate'.

www.dhs.wisconsin.gov/wish 14

Wisconsin Public Health Profiles
2016 | BARON COUNTY

How to access the data

Wisconsin Public Health Profiles

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Hot topic: Opioids

How to access the data

- Multiple ways to access
 - WISH module (NEW)
 - Raw data – Data sources repository
 - Data requests – Data governance board
 - Quarterly county-level surveillance reports (by 2018)

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Additional Data Sources

How to access the data

- National interactive query system: Wonder
 - <http://wonder.cdc.gov/>
- National Environmental Public Health Tracking Program
 - <https://www.cdc.gov/nceh/tracking/>
- County health rankings
 - <http://www.countyhealthrankings.org/>
- Kids Count Data Center—Wisconsin
 - <http://datacenter.kidscount.org/wi>
- USDA Economic Research Service Food Environment Atlas
 - <http://www.ers.usda.gov/FoodAtlas/>
- USDA ERS State fact sheets
 - <http://www.ers.usda.gov/StateFacts/>

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Contact Information

Direct all data related questions to:
dhshealthstats@wisconsin.gov

OHI notification email signup:
<https://www.dhs.wisconsin.gov/stats/signup>

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