ASPPH Presents Webinar Series

Accessing and Using Public Health Data, Part 1

Thursday, February 9, 2017
1:00 pm-2:00 pm Eastern
Method for Submitting Questions

Join the Conversation...

• You can ask questions in writing anytime during the webinar.

• Simply type them in the “Questions” field on the right side of your screen.
Moderator

Christine Plepys, MS
Director, Data Analytics
Association of Schools and Programs of Public Health
Today’s Presenters

Lisa Sedlar, MLIS, MT (ASCP)
Librarian, National Library of Medicine,
National Information Center on Health Services Research and Health Care Technology

Elizabeth Harper, DrPH, MPH
Senior Director, Research and Evaluation
Association of State and Territorial Health Officials
Public Health Data

Finding Data, the Importance of Standards and Partnerships

Lisa Sedlar, Librarian, National Library of Medicine (NLM),
National Information Center on Health Services Research
and Health Care Technology (NICHSR)
ASPPH Webinar, February 9th, 2017
Public Health Data

- Types of public health data
- Finding data
- Standards/Harmonization and Partnerships
Public Health Data and Population Health Data - broad in scope and source

Public Health Data

Health Status Data

- Public Health Data - health status of a population
  - Used for CHA, CHIP, etc.
  - Program planning and interventions
Public Health Data - Health Status Data

https://www.data.gov/
Health Status Data

https://www.cdc.gov/datastatistics/
Health Status Data

https://wwwn.cdc.gov/communityhealth
Health Status Data

https://www.cdc.gov/stltpublichealth/DataStatistics/
Health Status Data

Discover tools and resources for improving our nation's health and well-being.

http://www.cultureofhealth.org/resources/
PHPartners.org
Health Data Tools and Statistics Page

https://phpartners.org/health_stats.html
PHPartners.org, County and Local Data, and Individual State and Metropolitan Data

**County and Local Health Data**

**Area Health Resources Files (AHRF)**
AHRF is a family of health data resource products that draw from an extensive county-level database assembled annually for over 55 counties. These products are made available to inform health resources planning, analysis, and decision making. (Health Resources and Services Administration (HRSA))

**Big Cities Health Inventory Data Platform 2.0**
The Health Inventory Data Platform is an open platform that allows users to access and analyze health data from 26 cities, for 59 health and socioeconomic indicators. It enables users to explore data both by city and by indicator. Facilitates comparisons among urban areas, and provides an avenue to understand the major health concerns of cities in the United States. (Big Cities Health Coalition)

**Community Health Data**
Montgomery County Healthy Communities Coalition in Kentucky has launched a free, online web portal to enhance health decision-making by integrating statistics of more than 100 local health indicators specific to their county and surrounding counties.

**Community Health Status Indicators (CHSIs)**
Interactive web application that produces health profiles for all counties in the United States. Each profile includes key indicators of health outcomes, which describe the population health status of a county and factors that have the potential to influence health outcomes, such as health care access and quality, health behaviors, social factors, and the physical environment. (Centers for Disease Control and Prevention (CDC))

**County Glycemia Data**
Atlas of county-level diabetes mortality and trends. (Centers for Disease Control and Prevention (CDC))

**County Health Calculators**
Tool for educators and policy makers to understand and demonstrate how education and income affect health. (Virginia Commonwealth University Center on Human Needs)

**County Health Earnings & Roadmaps**
Provides county by county health earnings for each of the 50 states and Washington DC. Explains each health factor, and actionable strategies to improve the health of communities across the nation. (Robert Wood Johnson Foundation (RWJF), University of Wisconsin)

**The Displaced New Orleans Residents Survey**
The 2009-2010 Displaced New Orleans Residents Survey (CNORS) is a study of individuals and households that resided in the City of New Orleans, Louisiana, in August 2005. CNORS interviewed pre-Katrina residents of New Orleans who had returned to the city as well as residents who had resettled elsewhere. This documentation provides an overview of CNORS, and serves as a guide and checklist for researchers interested in the public use or restricted versions of this dataset. (cnors.ucsd.edu)

**DiversityDataLab**
This tool allows you to analyze data by race/ethnicity, compare data across states, metropolitan areas, counties, large cities, and large school districts, and compare policy indicators across states. (Bardens University, The Heller School U.S.A.)

**Health Indicators Warehouse (HIW)**
The HIW serves as the data hub for the NHSD community Health Data Initiative by providing a single source for national, state, and community health indicators. Site will no longer be maintained after 5/31/16 and will be discontinued on 4/1/17. (National Center for Health Statistics, CDC (NCHS))

**How can Community Commons help you with your Community Health Needs Assessment Report?**
This tool includes a series of webinars to assist in the CRNA development, an instructional video on creating a report with this tool, and a map creation tool (or use an existing map). (Community Commons USA)

**Interactive Atlas of New Orleans and Stroke**
An interactive mapping tool that documents geographic disparities in cardiovascular diseases and their risk factors at the local level. The Atlas allows users to create county and zip maps of heart disease and stroke and include overlays of congressional boundaries and health care facility locations. In addition, county-level maps of poverty rates, education levels, the food environment, access to health care, and other social factors are available. (Centers for Disease Control and Prevention (CDC))

**Pulsar**
Provides access to national and infant health-related data at the U.S., state, county, and city level. (March of Dimes)

**ProfileIQ**
Online data query system for statistics on local health department (LHD) financing, workforce, and activities. The data is from NACCHO's National Profile of Local Health Departments (LHD) Survey. (National Association of County and City Health Officials (NACCHO))

**Individual State and Metropolitan Data**

**Alabama**
Alabama Center for Health Statistics: Center for Health Statistics collects and reports health-related statistical data and operates the vital records system for the State of Alabama. A “Statistical Query System” is available for creating tables and viewing frequencies of Alabama resident births and deaths.

**Alaska**
Adverse Alaska Initiative: The Alaska Adverse Initiative provides access to health indicators from major public health surveillance systems for Alaska's geographic regions down to the level of boroughs and census areas. The data visualization format uses maps, figures, and tables to provide ready access to real-time data on health-related indicators. (Alaska Department of Health and Social Services)

**Arizona**
Arizona Health Survey: The Arizona Health Survey collects data on individual indicators of health status, insurance coverage, access to care, behavioral health, health-related behaviors and various demographic and social/environmental factors related to health. (St. Luke's Health Initiatives)

**California**
California Health Interview Survey (CHIS): Annual survey that provides public health information for California's diverse population. Results on a variety of health topics are produced for the entire state and four counties. (California Department of Health and Human Services (DHHS), UCLA Center for Health Policy Research)

**California's Open Data Portal**
Get access to California health data, the site provides tools to visualize and download datasets. (California Department of Health)

**ERICH: Early Injury Data Online**
Interactive website with state and national injury data for California residents. Beginning in 1991. (California Department of Health)

**Kitsap**
Find data about the health and well-being of children in communities across California. Kitsapdata.org allows users to find, customize, and use data on more than 500 measures of child health and well-being. Data are available for every county, city, school district, and legislative district in California. (Ludlum Packard Foundation for Children's Health USA)

**Los Angeles County Department of Public Health: Statistics and Reports**
Reports, data, and statistics, and health profiles of the Los Angeles County population.

**Colorado**
**Colorado Health Data**
Colorado health data including the Colorado Health and Environmental Database (CHEID), the Colorado Health Information Dataset (CHID), and the Colorado Health Information Registry (CHIR). (Colorado Department of Health and Environment)

**Colorado Health Observation Regional Data Service (CHORDS)**
The CHORDS pilot project uses GRIS data to monitor public health needs and efficacy of interventions.

**Colorado Health Report Card**
An annual update examining the current status of health, health care and health coverage in Colorado. (Colorado Health Foundation USA)

**Florida**
**Florida Health Charts - Community Health Assessment Resource Suite (CHAARS)**
Provides access to Florida's health data at the community and statewide level including access to over 2,000 health indicators, county and state profile reports, county and census tract level maps, and real-time data access. (Florida Department of Health)

**Georgia**
**DASH (Online Analytical Statistical Information System)**
A suite of tools used to access the Georgia Department of Public Health's standardized health data repository. Tools include interactive tables, maps, animated charts, and a Community Health Needs Assessment Dashboard. (Georgia Department of Public Health)

**Hawaii**
**Hawaii Data - Health, Safety and Environment**
Interactive data visualization tool used to access the Hawaii Department of Health's standardized health data repository. Tools include interactive tables, maps, animated charts, and a Community Health Needs Assessment Dashboard. (Hawaii Department of Health)

**Indiana**
**Indiana Vital Statistics**
Indicators of health and well-being of children in communities across Indiana. (Indiana Department of Health)

**Iowa**
**Iowa Health Data**
A web-based tool that provides access to public health surveillance data for the state of Iowa. (Iowa Department of Public Health)

**Kansas**
**Kansas Health Data**
KHD provides access to public health surveillance data for the state of Kansas. (Kansas Department of Health and Environment)

**Kentucky**
**Kentucky Health Data**
Provides access to public health surveillance data for the state of Kentucky. (Kentucky Department for Health and Family Services)

**Louisiana**
**Louisiana Health Data**
Provides access to public health surveillance data for the state of Louisiana. (Louisiana Department of Health and Hospitals)

**Maine**
**Maine Health Data**
Provides access to public health surveillance data for the state of Maine. (Maine Department of Health and Human Services)

**Maryland**
**Maryland Health Data**
Provides access to public health surveillance data for the state of Maryland. (Maryland Department of Health)

**Massachusetts**
**Massachusetts Health Data**
Collects, analyzes, and reports health data for the state of Massachusetts. (Massachusetts Department of Public Health)

**Michigan**
**Michigan Health Data**
Provides access to public health surveillance data for the state of Michigan. (Michigan Department of Public Health)

**Minnesota**
**Minnesota Health Data**
Provides access to public health surveillance data for the state of Minnesota. (Minnesota Department of Health)

**Mississippi**
**Mississippi Health Data**
Provides access to public health surveillance data for the state of Mississippi. (Mississippi Department of Health)
Public Health Workforce Data (Governmental Public Health)

- Data about public health professionals and departments
  - Workforce
  - Demographics
  - Training needs
  - Education
Public Health Workforce

- Surveys usually of governmental public health
  - Enumeration of public health workers is tricky
    - No licensing or national registry requirements
  - Membership organizations provide a ready list of governmental public health
- Academic and professional partnerships
Finding Data and Surveys
National Library of Medicine

https://www.nlm.nih.gov/
NLM Health Services Research and Public Health

HSRR (Health Services and Sciences Research Resources)

HSRR Search of Public Health Workforce
PubMed Search for “Survey of the Public Health Nutrition Workforce”
Health Services Research Information Central (HSRIC)

https://www.nlm.nih.gov/hsrinfo/
HSRProj Search of PHSSR

<table>
<thead>
<tr>
<th>Project Title</th>
<th>Investigator(s)</th>
<th>Performing Organization</th>
<th>Supporting Agency</th>
<th>Award</th>
<th>Project Status</th>
</tr>
</thead>
<tbody>
<tr>
<td>Promoting public health through partnerships in local public health systems</td>
<td>Ms. Laura M.</td>
<td>University of Southern Mississippi, Department of Community Health Sciences</td>
<td>Robert Wood Johnson Foundation (RWJF)</td>
<td>Grant</td>
<td>Ongoing and Completed</td>
</tr>
<tr>
<td>Developing development of a research agenda for public health systems and services research</td>
<td>James, Mary Ann</td>
<td>University of Alabama at Birmingham</td>
<td>Robert Wood Johnson Foundation (RWJF)</td>
<td>Grant</td>
<td>Ongoing and Completed</td>
</tr>
<tr>
<td>Developing new investigators in the field of public health services and systems research</td>
<td>James, Mary Ann</td>
<td>University of Alabama at Birmingham</td>
<td>Robert Wood Johnson Foundation (RWJF)</td>
<td>Grant</td>
<td>Ongoing and Completed</td>
</tr>
</tbody>
</table>

The search results include projects related to the public health systems and services research, with details such as the investigator(s), performing organization, supporting agency, award type, and project status.
AcademyHealth Webinars

http://www.academyhealth.org/professional-resources/training/prof-dev/back-school-where-are-data

http://www.academyhealth.org/professional-resources/training/prof-dev/back-school-enhance-your-research-hsr-methods-tools-and
Public Health Workforce Data

https://phpartners.org/phdata.html
Workforce Development

Workforce Development activities and resources for the public health workforce.

Workforce Development News

NACCHO Releases 2016 National Profile of Local Health Departments - 25-JAN-2017
NACCHO has released its 2016 National Profile of Local Health Departments report, available at [link].

Putting Performance Management into Action - 24-JAN-2017
Suggestions on how health departments can develop and implement a performance management system. (Public Health Foundation (PHF))

Student Practicum as a Bridge to Governmental Public Health Practice - 13-JAN-2017
Research study provides a better understanding of the ways students engage with professionals during their practicums, and how that can translate to strengthening the pipelines to the governmental public health workforce. (Public Health Reports)

New criteria for accreditation to chart updated course for public health education; Believing students - 12-JAN-2017
The Council on Education for Public Health has revised their accreditation criteria for public health schools and programs, in order to graduate public health students capable of practicing public health from day one. (The Nation's Health)

Support the Development of Competencies for Performance Improvement Professionals in Public Health - 06-JAN-2017
The Public Health Foundation is seeking volunteers to participate in a Performance Improvement Competencies Subgroup and develop an environmental scan, identify resources to support Competencies, and share insight on needs of performance improvement professionals. (Public Health Quality Improvement Exchange (PHQIE))

Certification and Credentialing

Advanced Public Health Nurse Certification
Information on how to apply for, maintain, and renew the Advanced Public Health Nurse Board Certified (APRN-BN) credential. (American Nurses Credentialing Center (ANCC))

American Board of Preventive Medicine
The American Board of Preventive Medicine certifies physicians in aerospace medicine, occupational medicine, and public health and general preventive medicine. (American Board of Preventive Medicine (ABPM))

Certified in Public Health (CPH)
The Certified in Public Health (CPH) credential is the nation’s only voluntary core credential for public health professionals. The CPH designation demonstrates that an individual graduate from a CEPH-accredited school or program of public health has mastered foundational competencies in public health. (National Board of Public Health Examiners)

Certified in Public Health (CPH) Webinars
Webinars and handouts that provide preparation tips and information about taking the Certified in Public Health Exam. (National Board of Public Health Examiners)

https://phpartners.org/workforcedevelopment.html
State or Local Public Health Departments

- State and local public health departments may have datasets available
  - These may not be available online
  - Will require a telephone call or email
  - Utilize connections with public health departments
Academic and Public Health Practice Partnerships

- Public Health Foundation’s Council on Linkages Between Academia and Public Health Practice
  [http://www.phf.org/programs/council/Pages/default.aspx](http://www.phf.org/programs/council/Pages/default.aspx)

- CDC’s Academic Partnerships to Improve Health
  [https://www.cdc.gov/ophss/csels/dsepd/documents(academic-partnerships-factsheet.pdf](https://www.cdc.gov/ophss/csels/dsepd/documents(academic-partnerships-factsheet.pdf)

- APHA’s Academic and Practice Linkage in Public Health Caucus
  [https://www.apha.org/apha-communities/caucuses(academic-public-health-caucus](https://www.apha.org/apha-communities/caucuses(academic-public-health-caucus)

- ASPPH’s Academic Public Health Practice Committee
  [http://www.aspph.org/committees(academic-public-health-practice-committee](http://www.aspph.org/committees(academic-public-health-practice-committee)
Challenges and Innovations in Surveying the Governmental Public Health Workforce.
Leider JP¹, Shah G¹, Rider N¹, Beck A¹, Castrucci BC¹, Harris JK¹, Sellers K¹, Varda D¹, Ye J¹, Erwin PC¹, Brownson RC¹.

Abstract
Surveying governmental public health practitioners is a critical means of collecting data about public health organizations, their staff, and their partners. A greater focus on evidence-based practices, practice-based systems research, and evaluation has resulted in practitioners consistently receiving requests to participate in myriad surveys. This can result in a substantial survey burden for practitioners and declining response rates for researchers. This is potentially damaging to practitioners and researchers as well as the field of public health more broadly.

We have examined recent developments in survey research, especially issues highly relevant for public health practice. We have also proposed a process by which researchers can engage with practitioners and practitioner groups on research questions of mutual interest.

PMID: 27715307   PMCID: PMC5055783   DOI: 10.2105/AJPH.2016.303424

We have also proposed greater coordination and comparability in survey efforts. Both researchers and practitioners would benefit from national repositories of validated survey items, accessible data from surveys of practitioners, and efforts from funders and grantees to share their data.

Data Harmonization
Apples to Apples Comparisons

Data standards

HRSA Compendium of federal data sources to support health workforce analysis (April 2013)

Public Health Workforce Taxonomy (Nov 2014)

May need to look outside of public health

- Education
- Clinical
- Bureau of Labor Statistics
Data Harmonization

- ASTHO/NACCHO/NALBOH
  - Profile surveys have harmonized data
  - ASTHO has the data harmonization available: [http://astho.org/Profile/Information-for-Researchers/?terms=data+harmonization](http://astho.org/Profile/Information-for-Researchers/?terms=data+harmonization)

- NCHS Data Linkage Activities: [https://www.cdc.gov/nchs/data-linkage/index.htm](https://www.cdc.gov/nchs/data-linkage/index.htm)

- Data Dictionaries
- Taxonomies
Data Harmonization

- Data Harmonization leads to standardized terms and definitions
- Standardized terms lead to consistent terminology use
- Consistent terminology use leads to a more comprehensive search for information
- Less need to search multiple terms for the same concept
- Structured abstracts
  - Mention survey used in abstract
  - Use consistent terms in abstract
Public Health Workforce

- When possible, re-use existing data sets
- Use standard terms and definitions - many taxonomies and data dictionaries available
- Consult the literature, and your librarian
- Share results with survey participants (most state they do not have time to read journals)
Thank You!

Lisa Sedlar, MLIS, MT (ASCP)
Lisa.Sedlar@nih.gov
Questions or Comments?

Join the Conversation...

[Enter a question for staff]

Webinar Now
Webinar ID: 761-205-082
GoToWebinar
Elizabeth Harper, DrPH, MPH
Senior Director, Research and Evaluation
Association of State and Territorial Health Officials
Public Health Interests and Needs Survey (PH WINS)

February 9, 2017

Elizabeth Harper, DrPH
ASTHO

Brian Castrucci, MA
de Beaumont Foundation
**THE THREE MAJOR AIMS OF THE SURVEY ARE:**

1. To inform future investments in workforce development.
2. To establish a baseline of key workforce development metrics.
3. To explore workforce attitudes, morale, and climate.
Design

• Representative sample of individual state health agency workers (37 states)
• Pilot in local health departments (over 50 LHDs)
  – Washington
  – Wisconsin
  – South Carolina
  – Arkansas
  – Georgia
  – Mississippi
• Big City Health Coalition (14 big cities)
• Over 23,000 responses
Data Standardization

• Utilized existing surveys and tools
  – Council on Linkages Core Competencies
  – Federal Employee Viewpoint Survey
  – Bowling Green State University Job in General (JIG) Scale
  – University of Michigan/CDC Public Health Workforce Taxonomy

• Pretesting

• Cognitive Interviews
PH WINS Topics

• Training Needs
  – Systems Thinking
  – Communicating Persuasively
  – Change Management

• National Trends
  – Quality Improvement
  – Health Information Technology
  – ACA

• Workplace Environment
  – Culture of Learning
  – Job Satisfaction
  – Worker Empowerment

• Demographics
SHA Participation

This map indicates the participation status of 50 state health agencies (SHAs) in the 2014 iteration of PH WINS. Staff from 37 states constituted the national sample. In addition, three SHAs increased their sample size to attain agency-level estimates, and 21 had all their employees surveyed. Thirteen states declined participation in PH WINS. (Alaska and Hawaii are not pictured to scale.)
Key Findings

• 79% of SHA workers are satisfied with their jobs
• 38% plan to leave governmental public health before 2020
  – 25% plan to retire and 13% plan to seek work outside public health
• 17% of SHA workers have any public health degree
• The mean salary range of SHA employees is between $55,000 - $65,000
• Top training needs
  – Influencing policy development
  – Social determinants of health
  – Financial management
• 52% of the SHA workforce had heard of Health in All Policies
How to access the data?

• Data are available at http://www.astho.org/phwins/Access-the-Data/

• Steps to access the data
  – Visit the website
  – Complete the Qualtrics survey
    • Submit brief proposal/abstract
  – ASTHO will review proposal
  – Sign data use agreement
  – ASTHO will share data via secure SharePoint site
Who is using the data?

- **Researchers**
  - *JPHMP* special supplement
    - [http://www.astho.org/phwins/supplement/](http://www.astho.org/phwins/supplement/)
  - Training needs, job satisfaction, morale, salaries
- **Students**
  - Dissertations
  - Capstones
- **Public health practitioners**
  - Public health training centers
  - State health agencies
    - Workforce development plans
- **Stakeholders**
  - ASTHO Affiliates
  - CDC
  - NNPHI
  - HRSA
Questions?
eharper@astho.org
Thank you to today’s Presenters

Lisa Sedlar, MLIS, MT (ASCP)
Librarian, National Library of Medicine,
National Information Center on Health
Services Research and Health Care Technology

Elizabeth Harper, DrPH, MPH
Senior Director, Research and Evaluation
Association of State and Territorial Health Officials
Questions or Comments?

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Today’s Moderator and Presenters

Now taking questions.

Christine Plepys, MS
Director, Data Analytics
Association of Schools and
Programs of Public Health

Lisa Sedlar, MLIS, MT (ASCP)
Librarian, National Library of
Medicine, National Information
Center on Health Services
Research and Health Care
Technology

Elizabeth Harper, DrPH, MPH
Senior Director, Research and
Evaluation Association of State
and Territorial Health Officials
Thank You!

See the webinar event page on the ASPPH website for a link to the archived webinar:


Contact: webinars@aspph.org
Coming Attractions...

ASPPH Presents

**WEBINAR**

**Accessing and Using Public Health Data, Part 2**
TBD

**Student Services Spotlight: Graduation and other Signature Events**
TBD

**Public Health Law data, part 1 of 2**
Wednesday, March 29

For more information about and to register for upcoming webinars, visit the ASPPH Events page:

[http://www.aspph.org/events/category/webinar/](http://www.aspph.org/events/category/webinar/)
Thank you!