Public Health Finance management needs and how public health agencies are funded.

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Public health finance management needs and how public health agencies are funded

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National Coordinating Center for Public Health Systems & Services Research
Disclaimer

This data and information is all preliminary, has not been published and is not final—it is draft only!

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Intended to be formative in deliberations, not summative, inform only.

Much of this work has been funded by the CDC and RWJF, to who we owe a debt of thanks!
Data Harmonization of Health Department Surveys

• Players, NALBOH, NACCHO, ASTHO, RWJF, CDC, UK
• Shared Methods: fielded in sequence, same vendor, data dictionary
  • A. Same geographic and demographic questions
  • B. Questions peculiar to each jurisdiction are separate, but use shared language and data dictionary
  • C. Cross-thematic questions addressing key areas
• New baseline, if the surveys are continued
# ASTHO Financial Data

<table>
<thead>
<tr>
<th>2007 Profile</th>
<th>2010 Profile</th>
</tr>
</thead>
<tbody>
<tr>
<td>SPHA’s service expenditures went to the provision of the following services:</td>
<td>Report the funds (to the nearest dollar amount) received by the state/territorial health agency from each</td>
</tr>
<tr>
<td>% Clinical services</td>
<td>source ex. State general funds</td>
</tr>
<tr>
<td>% Non-clinical prevention services</td>
<td>Actual expenditures (to the nearest dollar amount) for the state/territorial health agency for each</td>
</tr>
<tr>
<td></td>
<td>category ex. Chronic disease, infectious disease</td>
</tr>
<tr>
<td>State public health agency’s total expenditures</td>
<td>Report dollars distributed by your agency to the recipient types ex. State/territory-run local health</td>
</tr>
<tr>
<td></td>
<td>agencies</td>
</tr>
<tr>
<td>Of the expenditure monies your agency awards, what percentage of these</td>
<td></td>
</tr>
<tr>
<td>expenditures were awarded to: % local public health agencies</td>
<td></td>
</tr>
<tr>
<td>Percent of the state public health agency’s revenues came from: ex. Medicaid</td>
<td></td>
</tr>
</tbody>
</table>

Source: 2007 and 2010 ASTHO Survey Questionnaire
Results: State Public Health Funding

Percentage of SHA Revenue by Funding Source, FY2009

- Federal Funds: 45%
- Medicare and Medicaid: 4%
- Fees and Fines: 7%
- Other Sources: 5%
- Other State/Territory Funds: 16%
- State General Funds: 23%

Source: Keeneland Conference 2011. Katie Sellars, DrPH, CPH
Results: State Public Health Expenditures

Percentage of SHA Expenditures by Category, FY 2009

- WIC: 24%
- Injury Prevention: 2%
- Infectious Disease: 13%
- Environmental Protection: 5%
- Chronic Disease: 8%
- Improving Consumer Health: 24%
- All Hazards Preparedness and Response: 5%
- Quality of Health Services: 5%
- Health Data: 1%
- Health Laboratory: 2%
- Vital Statistics: 1%
- Other: 5%

Source: Keeneland Conference 2011. Katie Sellars, DrPH, CPH
Results: Per capita expenditures, FY 2009

Source: Keeneland Conference 2011. Katie Sellars, DrPH, CPH
Limitations of ASTHO

1. Missing fiscal data for four states
2. Caveats to fiscal data reported
   a) Different fiscal year
   b) Difficulties reporting within expenditure categories
3. “Big CMS” reported from several states
4. Carry forward dollars were not reported in revenues for at least one state
5. Unclear about federal pass through dollars as Contracts
6. Survey instructions did not address if/how to report developmental disability support expenditures

Source: Keeneland Conference 2011. Katie Sellars, DrPH, CPH
Local Health Department Financial 2010 Data

• Total expenditures and total revenues most recently completed fiscal year and fiscal year prior
• What were the total revenues
• Budget cuts-I expect my LHD’s budget in the next fiscal year will be (less, same, etc)
• If you do not consider one-time funding such as H1N1 funding or funding from the American Recovery and Reinvestment Act, how does your LHD’s current operating year budget compare to the previous year?
• Reserve Funding-Does your HD have a rollover reserve fund or contingency fund (restricted or unrestricted) that allows department to accumulate fund balances from year to year for use?

Source: NACCHO 2008/2010 Profile Instrument
Percentage of LHDs with Budget Cuts (2008-2010), Including and Excluding Government Assistance

50% of all LHDs had received ARRA funds by Nov. 2010

LHD Budget Cuts – 2008

- Percentage of LHDs with Lower Budget in December 2008 as Compared to Previous Year

Late 2008: More than half of LHDs have budget cuts in 7 states

LHD Budget Cuts - 2009

• Percentage of LHDs with Lower Budget in July 2009 as Compared to Previous Year

Mid-2009: More than half of LHDs have budget cuts in 20 states

Source: NACCHO Survey of LHD Budget Cuts & Workforce Reduction (July 2009).

Median Annual per Capita LHD Expenditures, by State, 2008

Source: NACCHO
2008 National Profile of Local Health Departments

*Based on a low response rate (44-60%) for these items in Georgia, Indiana, Massachusetts, New Mexico, and Texas.

Non-participants: Hawaii and Rhode Island
None or insufficient data for Delaware, Maine, Nevada, and South Dakota.
Percentage Distribution of Total Annual LHD Revenues, by Revenue Source, 2008

- Not Specified: 2%
- Local: 25%
- State Direct: 20%
- Federal Pass-Through: 17%
- Medicaid: 10%
- Medicare: 5%
- Fees: 11%
- Other: 7%
- Federal Direct: 2%
- Not specified: 2%

Source: NACCHO 2008 National Profile of Local Health Departments
Mean Percentage of Total LHD Revenues from Selected Sources, by Size of Population Served, 2008

Source: NACCHO 2008 National Profile of Local Health Departments
PHSSR New Research Agenda Process

• Commissioned RWJF/CDC systematic reviews: workforce, quality improvement, research methods, structure and organizations

• Altarum Institute systematic review

• Workgroups: Workforce, Org/Struct., Finance, Data and Methods

• Vetting at Keeneland Conference April 2011, AcademyHealth PHSR-IG June 2011

• September 2011 joint RWJF/CDC meeting
Systematic Review Findings

• There needs to be development of standardized method for measuring public health expenditures/revenues
• Public health financial management principles
• Financing of public health activities varies across states
• Difficult if not impossible to capture all the public health expenditures at a state and local level
### Standard Definitions and Measures

What benchmark measures should be considered across public health systems?

Would there be benefit from financial data harmonization through the practice organizations in order to have a more direct comparison of financial data?

Which methods of measuring value and population health outcomes are feasible, predict outcomes, and impact health?
### PHSSR Questions Generated

#### Standard Definitions and Measures

<table>
<thead>
<tr>
<th>Question</th>
</tr>
</thead>
<tbody>
<tr>
<td>How are public health funding structures (e.g. governmental, community-level, etc.) understood?</td>
</tr>
<tr>
<td>How should data from other health systems (e.g. hospitals, federally qualified health centers) be gathered and incorporated into the boarder public health system?</td>
</tr>
<tr>
<td>What natural experiments are needed to correlated funding mechanisms and system structures with health outcomes longitudinally and across states?</td>
</tr>
</tbody>
</table>
# PHSSR Questions Generated

## Frameworks for Fiscal Analyses

<table>
<thead>
<tr>
<th>Question</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>What metrics do other fields (e.g. port authorities, education, public</td>
<td>safety) use to measure outcomes?</td>
</tr>
<tr>
<td>How are board categorical areas of public health (e.g. environmental</td>
<td>health, maternal and child health) funded? How are public health essential services funded? How do</td>
</tr>
<tr>
<td></td>
<td>decisions about funding these areas impact other areas?</td>
</tr>
<tr>
<td>How do public health systems funding patterns vary by the type of local</td>
<td>public health systems framework as defined by state or local infrastructure (i.e. laws and regulations)?</td>
</tr>
<tr>
<td></td>
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</table>
## PHSSR Questions Generated

### Public Health Financing Mechanisms

<table>
<thead>
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<tbody>
<tr>
<td>How can financing mechanisms be broadened beyond governmental sources?</td>
</tr>
<tr>
<td>How much resource shifting could occur if existing or new partnerships are leveraged?</td>
</tr>
<tr>
<td>What are entrepreneurship's contributions to financing public health systems?</td>
</tr>
<tr>
<td>How are state and local health departments presently addressing financial shortfalls?</td>
</tr>
</tbody>
</table>
## Public Health Financing Mechanisms/ Workforce

<table>
<thead>
<tr>
<th>Question</th>
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</thead>
<tbody>
<tr>
<td>Given ubiquitous financial shortfalls, how should chief health officers make decisions on what to cut between relatively comparable programs?</td>
</tr>
<tr>
<td>What models or opportunities exist for interaction and collaboration between federally qualified health centers (FQHCs) and local health departments?</td>
</tr>
<tr>
<td>How could financial core knowledge be incorporated into public health workforce development activities?</td>
</tr>
</tbody>
</table>
## PHSSR Questions Generated

<table>
<thead>
<tr>
<th>Effects of Shirting Laws and Policies on Public Health Services and Systems Financing</th>
</tr>
</thead>
<tbody>
<tr>
<td>What factors in a state legislatures’ determination of how to allocate funding to health departments?</td>
</tr>
<tr>
<td>What legal models currently exist or could be developed to promote public health funding that is sustainable and facilitates the necessary public health function?</td>
</tr>
<tr>
<td>How should value be measured? What methods are applicable? Do health departments have staff capabilities/capacity to use such methods?</td>
</tr>
<tr>
<td>Have state legislatures addressed financing a systematic or ad hoc way? Does variation exist at state level as a function of centralization/decentralization?</td>
</tr>
</tbody>
</table>
## Fiscal Determinants of Public Health Systems Performance and Health Outcomes

**What are useful short-term and intermediate outcomes to determine the adequacy of governmental public health systems financing and performance?**

**What are the inputs leading to such immediate and long-term outcomes?**
Summary

• Limited financial data collected-survey fatigue, definitions
• Lack of comparability-HCFMA Standards
• Variation in state and local Service organization, services and financial methods
• How do we value PH, process for allocative decisions politically, programmatically
• What are the consequences of financial allocations and expenditures, does it make a difference
References


• NACCHO 2008 National Profile of Local Health Departments

• 2007/2010 ASTHO Survey Questionnaire:
  http://astho.org/Research/Data-and-Analysis/

• 2008/2010 NACCHO Survey Instrument:
  http://www.naccho.org/topics/infrastructure/profile/techdoc.cfm
That’s All Folks, Questions?
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