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Vital Statistics: The State of the Public Health PBRN Program

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Vital Statistics:
The State of the Public Health PBRN Program

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Public Health PBRN Grantee Meeting • Lexington, KY • 08 April 2013
Reach of Public Health PBRNs

- First cohort (December 2008 start-up)
- Second cohort (January 2010 start-up)
- Affiliate/Emerging PBRNs (2011-13)

New in 2012-13
<table>
<thead>
<tr>
<th>Award Type</th>
<th>Number</th>
<th>Year Range</th>
</tr>
</thead>
<tbody>
<tr>
<td>Developmental Awards</td>
<td>12</td>
<td>2009-2011</td>
</tr>
<tr>
<td>Research Implementation Awards (RIAs)</td>
<td>10</td>
<td>2010-2012</td>
</tr>
<tr>
<td>Quick Strike Research Fund Awards (QSRFs)</td>
<td>12</td>
<td>2009-2013</td>
</tr>
<tr>
<td>Research Acceleration and Capacity Enhancement (RACE) awards</td>
<td>8</td>
<td>2011-13</td>
</tr>
<tr>
<td>Multi-network Practice and Outcome Variation Examination (MPROVE) awards</td>
<td>6</td>
<td>2012-13</td>
</tr>
<tr>
<td>PBRN Junior Investigator Mentored (JIM) awards</td>
<td>2</td>
<td>2012-13</td>
</tr>
<tr>
<td>Delivery and Cost Study (DACS) awards</td>
<td>??</td>
<td>2013-14</td>
</tr>
</tbody>
</table>
PBRN Research Trajectory

- Delivery System Organization and Structure
- Practice Variation
- Volume, Intensity, and Quality of Delivery
- Cost of Delivery
- Value and ROI of Public Health
PBRN research production:
By the numbers 2012-13

21 Journal articles published or in press in 2012-13
- Journal of Public Health Management and Practice
- American Journal of Preventive Medicine
- Public Health Reports
- Frontiers in Public Health Services & Systems Research

72 Scientific presentations at national meetings
- American Public Health Association
- AcademyHealth Annual Research Meeting
- American Society for Health Economics
- Keeneland Conference
- NACCHO Annual Meeting
- National Open Forum on QI in Public Health
PBRN research translation: Invited policy briefings, 2012-13

- Association of State and Territorial Health Officials
- HHS Assistant Secretary for Health
- HHS Assistant Secretary for Preparedness and Response
- Institute of Medicine, National Academy of Sciences
- National Institutes of Health, NIDCR
- U.S. Agency for Healthcare Research and Quality
- U.S. Centers for Disease Control and Prevention
- U.S. Congressional Budget Office
- U.S. Government Accountability Office
- U.S. Health Resources and Services Administration
- U.S. Food and Drug Administration
- White House Office of Management and Budget
PBRN research translation:
Invited lectures and presentations, 2012-13

**Academic Institutions**
- University of Chicago
- University of Michigan
- University of Alabama-Birmingham
- University of Nebraska Medical Center
- University of Texas Medical Branch
- Wright State University

**State Public Health Association Meetings**
- Arkansas
- Colorado
- Connecticut
- Kentucky
- Minnesota
- Ohio
- Washington
PBRN research: New dissemination vehicles

Frontiers in Public Health Services & Systems Research
- 6 issues
- 32 articles published to date
- >1000 downloads per month
- Publication agreements with AJPM and ARPH

Re-ACT Podcasts
- 2 editions produced
- More in production

Digital Commons research archive
- >27,000 downloads
PBRN research: Special research projects

✓ Public Health Activities and Services Tracking Study

✓ PBRN Network Analysis

✓ National Longitudinal Study of Public Health Systems
PBRN research:
Network Analysis

Network Structure of the Connecticut Public Health PBRN • 2011-12

http://works.bepress.com/glen_mays/46/
## PBRN research: Network Analysis

### Local Health Departments Engaged in Research Implementation & Translation Activities During Past 12 months

<table>
<thead>
<tr>
<th>Activity</th>
<th>PBRN Agencies Percent/Mean</th>
<th>National Sample Percent/Mean</th>
</tr>
</thead>
<tbody>
<tr>
<td>Identifying research topics</td>
<td>94.1%</td>
<td>27.5% (***)</td>
</tr>
<tr>
<td>Planning/designing studies</td>
<td>81.6%</td>
<td>15.8% (***)</td>
</tr>
<tr>
<td>Recruitment, data collection &amp; analysis</td>
<td>79.6%</td>
<td>50.3% (**)</td>
</tr>
<tr>
<td>Disseminating study results</td>
<td>84.5%</td>
<td>36.6% (**)</td>
</tr>
<tr>
<td>Applying findings in own organization</td>
<td>87.4%</td>
<td>32.1% (***)</td>
</tr>
<tr>
<td>Helping others apply findings</td>
<td>76.5%</td>
<td>18.0% (***)</td>
</tr>
<tr>
<td>Research implementation composite</td>
<td>84.04 (27.38)</td>
<td>30.20 (31.38) (**)</td>
</tr>
<tr>
<td>N</td>
<td>209</td>
<td>505</td>
</tr>
</tbody>
</table>
PBRN research:
National Longitudinal Survey of Public Health Systems

Figure 1: Proportion of Public Health Activities Available in the Jurisdiction

http://works.bepress.com/glen_mays/67/
PBRN research: National Longitudinal Survey of Public Health Systems

Delivery of recommended public health activities

% of activities

↑ 10%

↓ 5%

1998

2006

2012

↑ 10%

↓ 5%

PBRN research: National Longitudinal Survey of Public Health Systems

Organizations engaged in local public health delivery

<table>
<thead>
<tr>
<th>% Change 2006-2012</th>
<th>Scope of Delivery 2012</th>
</tr>
</thead>
<tbody>
<tr>
<td>-50%</td>
<td>10%</td>
</tr>
<tr>
<td>-30%</td>
<td>30%</td>
</tr>
<tr>
<td>-10%</td>
<td>50%</td>
</tr>
</tbody>
</table>

- Local health agency
- Other local government
- State health agency
- Other state government
- Hospitals
- Physician practices
- Community health centers
- Health insurers
- Employers/business
- Schools
- CBOs
PBRN research: Networking and Capacity-building

✓ Monthly Virtual Meeting and Research-in-Progress Briefing
✓ Newsletter
✓ On demand technical assistance
✓ Guidance documents
PBRN research:
Guidance documents

- Overview of the Public Health PBRN Program
  http://works.bepress.com/glen_mays/18/
- Leading Improvement through Inquiry: PBRNs in Public Health
  http://works.bepress.com/glen_mays/83/
- Current Research Projects of the Public Health PBRN Program
  http://works.bepress.com/glen_mays/17/
- Designing a Successful PBRN in Public Health: Key Concepts
  http://works.bepress.com/glen_mays/40/
- Start-Up Activities for Public Health PBRNs
  http://works.bepress.com/glen_mays/34/
- Building a Sustainable Public Health PBRN: Securing Ongoing Funding
  http://works.bepress.com/glen_mays/20/
- Using PBRN Research to Inform Policy and Practice
  http://works.bepress.com/glen_mays/19/
- Initial Research and Evaluation Concepts for Public Health PBRNs
  http://works.bepress.com/glen_mays/35/
- Patterns of Interaction in Public Health PBRNs: Insights from Network Analysis
  http://works.bepress.com/glen_mays/46/
PBRN research:
Guidance documents

- Expanding Delivery System Research in Public Health Settings: Lessons from Practice-Based Research Networks
- Overview of the National Longitudinal Survey of Public Health Systems
- Finding Order in Complexity: a Typology of Public Health Delivery Systems
The End Game: A “rapid-learning system” in public health

For More Information

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Journal: www.FrontiersinPHSSR.org
Research archive: http://works.bepress.com/glen_mays

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