Critical Components of Evaluation

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330A Grant Evaluation Partners

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National Rural Health Association
National Organization of State Offices of Rural Health
National Rural Health Resource Center
ORHP 330A Outreach Authority Grant Programs

- Created as part of the Public Health Service Act of 1991
  - Under the authority of section 301
- More than $460 million awarded since program inception
- Nearly 900 consortia projects have participated and sought to:
  - Expand rural health care access
  - Coordinate resources
  - Improve rural health care service quality
- Six grant programs operate under the authority of section 330A
  - Rural Health Care Services Outreach (Outreach)
  - Network Development Planning (Network Planning)
  - Rural Health Network Development (Network Development)
  - Small Health Care Provider Quality Improvement (Quality)
  - Delta States Rural Development Network (Delta)
  - Rural Health Information Technology Workforce Program (Pilot)
A famous evaluation quote...

Welcome to Lake Wobegon, where all the women are strong, all the men are good-looking, and all the children are above average.

(Garrison Keillor)
What is Program Evaluation?

- Program evaluation is the systematic collection of information about program activities, characteristics and outcomes.

- This information is collected in order to:
  - Make judgments about the program
    - Learn what works and what does not work
  - Improve program effectiveness and/or make midcourse adjustments
  - Inform decisions about future program development
  - Guide funding decisions
Why is Evaluation Important?

If you don’t measure…
• You won’t know if your program WORKED
• You won’t know WHICH PART worked
• You could make things WORSE
• Others may NOT BELIEVE the program worked

If you don’t compare your results with results of similar programs…
• You may miss easy ways you can IMPROVE or SHARE best practices and lessons learned
Types of Evaluation

- Process (Formative)
  - How?

- Impact/Outcome (Summative)
  - What?
Process Evaluations

• Was the program implemented as planned?

• Example data collection areas:
  • Number of people served
  • Number of trainings/workshops conducted
  • Number of staff involved
  • Quality of the service provided
  • Number of partnerships established
  • Implementation challenges and solutions
  • Exemplary practices and lessons learned
  • Social and cultural context in which the project is being conducted
Impact/Outcome Evaluation

• What is the effect or impact of the program in the short-term, intermediate, and long-term?

• Example data collection areas:
  • Knowledge and attitudes about certain health issues
  • Health behaviors (e.g., # of people who receive health care after being identified with high blood pressure during health fair)
  • Policies and regulations implemented or changed
  • Social and cultural norm shifts (e.g., smoking ordinances)
  • Resources for addressing health issues
  • Reductions in health disparities
  • Shift trends in morbidity and mortality
  • Increase in quality of life scores
An evaluation design is the structure that provides answers to the questions about the implementation of your program. Design elements to consider:

- Why are you conducting an evaluation?
- Who should be included in the evaluation?
- What data will be collected?
  - How often will the data be collected?
  - What methods will be used to collect the data?
- Will there be a comparison group used?

The evaluation design you choose is dependent upon the kinds of questions you want answered.
Before Collecting Data…

1. Clarify understanding of the program’s goals and strategy.
2. Develop relevant and useful evaluation questions.
3. Select an appropriate evaluation approach or design for each evaluation question.
4. Identify data sources and collection procedures to obtain relevant, credible information.
5. Develop plans to analyze the data in ways that allow valid conclusions to be drawn from the evaluation questions.
6. Establish a baseline.
We surveyed our 3 program participants...

% who think we're awesome

100%

What about the 96 families that left after the first week?
How to Use Evaluation Data

• Analyze Program Trends
  • Measure Performance Over Time
  • How Are We Doing Compared with Last Year?
  • What Goals Do We Want to Set for Next Year?

• Benchmark
  • Compare Individual Program Results to Aggregate Data
  • Are We In Line With Our Peers?

• Educate and Engage Staff
  • What Can We Realistically Achieve?
  • What Specific Areas Can We Improve?

• Engage Stakeholders, Policy Makers and Funders
  • Use Data to Tell the Story of How You are Making a Difference
  • What is the Impact of our Program?
Strategies for Improving the Quality of Your Evaluation

1. Create a Logic Model
2. Encourage Active Participation in the Evaluation
3. Identify and Engage Stakeholders Early in the Evaluation Process
4. Obtain Evaluation Expertise
5. State Project Objectives in Measurable Terms (see SMART)
6. Consider Multiple Evaluation Designs
7. Develop a Data Collection Plan
8. Request Progress Reports
9. Promote an Ethical and Culturally Competent Evaluation
10. Continually Assess the Evaluation Approach
Generic Logic Model Components

Project Objectives

- SMART Objectives
  - Specific
  - Measurable
  - Attainable/Achievable
  - Relevant
  - Time Bound

Example: By quarter 4, reduce network hospital partners’ supply chain costs by 10 percent by uniting hospital purchasing and supply chain activities under one procurement cycle umbrella.

Performance Measurement

Performance Measures
Indicators that assess the success of various aspects of the performance of a program.

Performance Improvement Measurement System (PIMS)
- Streamlining PIMS, fewer measures to report next year
- Refining definitions
- Creating actionable reports
ORHP began collecting grantee performance data through PIMS in 2009.

All grantees report on a comprehensive set of measures.

Data is submitted to PIMS through the HRSA Electronic Handbook (EHB).

PIMS is used to develop baseline measurements, track progress, and develop an evidence base for effective rural health interventions.
PIMS & Data Quality

• Providing high quality data is important for both ORHP and for internal use.

• Recommendations for improving PIMS data quality:
  • Carefully review data reporting instruction and data definitions
  • Consider the denominator (e.g., Is the total number of people served always the same?)
  • Ensure common understanding of definitions
  • Report measures consistently over time
  • Seek technical assistance if you have questions
People in the Target Population

- Increases in target population for all peer groups (Baseline - Budget Year 1)
- Wide range and differentiation between peer groups (12K-102K)

Mean Number of People in the Target Population

<table>
<thead>
<tr>
<th></th>
<th>Access to Care (n=20)</th>
<th>Chronic Disease/ Health Promotion (n=23)</th>
<th>Mental Health (n=17)</th>
<th>Oral Health (n=11)</th>
<th>Outreach (n=71)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Baseline</td>
<td>80,168</td>
<td>24,686</td>
<td>15,578</td>
<td>12,907</td>
<td>36,309</td>
</tr>
<tr>
<td>End of Budget Year 1</td>
<td>102,142</td>
<td>43,345</td>
<td>18,676</td>
<td>23,472</td>
<td>50,922</td>
</tr>
</tbody>
</table>
PIMS Example: People in the Target Population

Mean Difference in the Number of People in the Target Population from Baseline to the End of Year 1

<table>
<thead>
<tr>
<th>Group</th>
<th>Range of differences</th>
<th>Number of grantees with a decrease from Baseline to End of Year 1</th>
</tr>
</thead>
<tbody>
<tr>
<td>Access to Care (n=20)</td>
<td>Min -181,186 Max 522,351</td>
<td>4</td>
</tr>
<tr>
<td>Chronic Disease/Health Promotion (n=23)</td>
<td>Min -14,232 Max 212,997</td>
<td>3</td>
</tr>
<tr>
<td>Mental Health (n=17)</td>
<td>Min -91 Max 52,384</td>
<td>2</td>
</tr>
<tr>
<td>Oral Health (n=11)</td>
<td>Min -11 Max 90,000</td>
<td>1</td>
</tr>
<tr>
<td>Outreach (n=71)</td>
<td>Min -181,186 Max 522,351</td>
<td>10</td>
</tr>
</tbody>
</table>
Continuous Cycle of Performance Improvement

1. Analyze Grantee Data by Peer Groups
2. Create PIMS Feedback Forms for Grantees & Present Findings
3. Enhance Completeness, Consistency & Quality of Grantee Reporting
4. Stimulate Grantee Performance Improvement & Increase PIMS Buy-In

The Walsh Center for Rural Health Analysis
ORHP Leading the Way in Establishing an Evidence Base of Effective Rural Health Programs
Who is interested in Evidence-Based Practice?

- Administrators
- Program Directors
- Policy Makers
  - Local, State, Tribal, Federal and International
- Stakeholders
- Researchers
- ORHP, HRSA, and HHS
Different Forms of Evidence

- Scientific literature in systematic reviews
- Scientific literature in one or more journal articles
- Public health surveillance data
- Program evaluations
- Qualitative data
  - Community members
  - Other stakeholders
- Media/marketing data
- Word of mouth
- Personal experience

Figure 2
Different forms of evidence. Adapted from Chambers & Kerner (37).
## Classifying Interventions

<table>
<thead>
<tr>
<th>Category</th>
<th>How Established</th>
</tr>
</thead>
<tbody>
<tr>
<td>Evidence-based</td>
<td>Peer review via systematic or narrative review</td>
</tr>
<tr>
<td>Effective</td>
<td>Peer review</td>
</tr>
<tr>
<td>Promising</td>
<td>Written program evaluation without formal peer review</td>
</tr>
<tr>
<td>Emerging</td>
<td>Ongoing work, practice-based summaries, or evaluation in process</td>
</tr>
</tbody>
</table>
Share Your Story

Rural Health Models and Innovations Hub

Browse Rural Project Examples
- Browse by Level of Evidence
- Browse by Topic
- Browse by State
- Browse by Source

Recently Added
- High Plains Community Health Center Care Teams
- Rapid HCV Testing as an HIV Testing Strategy in Rural Areas
- Chronic Disease Self-Management Program (CDSMP)

More Resources
Many organizations, including federal agencies and national organizations, curate lists of effective programs. Some may have sections specific to rural and many have approaches that could be adapted to rural:
- Other Collections of Program Examples

Share Your Story
RAC is looking for project examples to share with rural service providers. Tell us about:
- Your program's successes
- Program results demonstrated in formal program evaluations or research studies
- Best practices and processes you're using
- Innovative solutions to problems
- What does and doesn't work in your program
- Things you wish you'd known before starting your program

About the Rural Health Models and Innovations Hub
The Rural Assistance Center collects and shares stories about rural health and human services programs and interventions. This collection includes approaches that have demonstrated success in research studies and program evaluations, as well as anecdotal accounts.

Read about the [criteria and evidence-base](#) for programs included in the Rural Health Models and Innovations Hub.

Using and Adapting Program Examples
Each rural community should consider whether a particular project or approach is a good match for their community's needs and capacity. While it is sometimes possible to adapt program components to match your resources, keep in mind that changes to the program design may impact results. Programs listed in this section are not endorsed by the Rural Assistance Center or the Office of Rural Health Policy.

More Useful Tools
- [Rural Community Health Gateway](#)
  - Features evidence-based approaches that can be adapted to fit your community.
RAC’s Rural Community Health Gateway

Rural Health Models and Innovations Hub
- Browse by Level of Evidence
- Browse by Topic
- Browse by State
- Browse by Source

Evidence-Based Practice
- Need: Osteoporosis among older people
- Intervention: Bone Health program
- Results: Exercise moderately lowers the risk of falls

Effective Examples
- Livingston County
  - Need: Older people faced health issues, as well as preventive services
  - Intervention: The program developed curricula to train EMS on how to care for older adults as well as screen older adults and provide further interventions as needed
  - Result: The program screened 1,231 individuals and identified various risks amongst the population, in addition to developing a successful model for educating EMS personnel

What Works
- Rural Community Health Gateway
  - Community Health Workers Toolkit
  - Obesity Prevention Toolkit
  - Oral Health Toolkit
  - Health Information Technology Toolkit
  - Rural Training Track Technical Assistance Program

Demonstrating Need & Impact
- Am I Rural?
- RAC Custom Mapping
- Economic Impact Analysis
- Planning for Sustainability

Testing New Approaches
- Frontier Extended Stay Clinics
- Frontier Community Health Integration Program
Building the Evidence…

Rural Health Models and Innovations by Level of Evidence

- **Evidence-Based** (4)
  The highest level of evidence included. A review study of the approach has been published.

- **Effective** (4)
  The second highest level of evidence. The approach has been reported in a peer-reviewed publication.

- **Promising** (3)
  A program evaluation of this approach showed positive results.

- Other Project Examples (424)
  Please browse by topic, state, or source for these examples, which have anecdotal accounts of positive results.
Rural Community Health Gateway

Build What Works

The Rural Community Health Gateway can help you build effective community health programs and improve services you offer. Resources and examples in this Gateway are chosen for effectiveness and adaptability and drawn from programs with a strong history of service and community success. By starting from approaches that are known to be effective, you can make the best use of limited funding and resources.

Evidence-Based Toolkits

- Care Coordination Toolkit
  Resources and best practices to help you identify and implement a care coordination program.

- Community Health Workers Toolkit
  Resources to help you develop a community health worker (CHW) program to reach underserved populations, using evidence-based approaches from other rural communities.

- Mental Health and Substance Abuse Toolkit
  Resources to develop and implement programs to improve community mental health using proven approaches and strategies.

- Obesity Prevention Toolkit
  Resources to help you develop an obesity prevention program, building on best practices of successful obesity prevention programs.

- Oral Health Toolkit
  Resources and best practices to help you develop and implement a program to address oral health disparities in your community.

Future Toolkits: Health Promotion and Education

Evidence-Based Program Examples

The Rural Health Models and Innovations Hub provides access to program models that have been shown to be effective:

- Browse for programs by level of evidence
- Learn about the criteria and evidence-base for included programs

You may also be interested in other collections of program examples from reputable sources, each of which use their own criteria for what types of programs are included.

About the Rural Community Health Gateway

The Rural Community Health Gateway showcases program approaches that you can adapt to fit your community and the people you serve, allowing you to:

- Research approaches to featured community health programs
- Discover what works and why
- Learn about common obstacles
- Connect with program experts
- Evaluate your program to show impact

Gateway resources are made available through the NORC Walsh Center for Rural Health Analysis and the University of Minnesota Rural Health Research Center in collaboration with the Rural Assistance Center. Funding is provided by the Office of Rural Health Policy (ORHP), Health Resources and Services Administration.

More Useful Tools

- Economic Impact Analysis
  Show how your program’s grant funding affects your community’s economic well-being and share this information with sponsors, funders and your community

- Planning for Sustainability
  Tools to help you plan and position your grant-funded projects so that services can be sustained over the long term.

- Rural Health Models and Innovations Hub
  Find examples of approaches you can adapt for your program, including models shown to be effective, as well as new and emerging ideas.
Additional Resources

- Flex Program Evaluation Toolkit (NRHRC)
  - [http://www.ruralcenter.org/sites/default/files/Flex%20Program%20Evaluation%20Toolkit_0.pdf](http://www.ruralcenter.org/sites/default/files/Flex%20Program%20Evaluation%20Toolkit_0.pdf)
- The Community Toolbox (University of Kansas)
- Designing Evaluations (GAO)
- The Program Manager’s Guide to Evaluation (ACF)
- Evaluating Your Community-Based Program (American Academy of Pediatrics)
  - [https://www2.aap.org/commpeds/htpcp/resources.html](https://www2.aap.org/commpeds/htpcp/resources.html)
- Conducting Rural Health Research, Needs Assessment, and Program Evaluation (RAC)
  - [http://www.raconline.org/topics/rural-health-research-assessment-evaluation](http://www.raconline.org/topics/rural-health-research-assessment-evaluation)
- Program Evaluation (CDC)
Thank You!

The Walsh Center
for Rural Health Analysis
NORC at the University of Chicago

UNIVERSITY OF MINNESOTA
RURAL HEALTH RESEARCH CENTER