



How Implementation
Data Can Inform
Practice and Help Us
Understand Impact
Study Findings

**Presentation for the OAH Grantee
Meeting May 20-22, 2013**

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Using Implementation Data to Inform Practice and Understand Impact Study Findings



- Experiences of a subset of grantees participating in the Teen Pregnancy Prevention Replication Study
 - Knox County Health Department (Safer Sex Intervention)
 - Community Action Partnership of San Luis Obispo (Cuidate!)
 - Better Family Life (Reducing the Risk)
- Use of data from the implementation sub-study of the Teen Pregnancy Prevention Replication Study

Implementation Data and How it Will be Used



- Two types of implementation data:
 - Performance and fidelity data required by OAH and collected by grantees
 - Additional implementation data collected for the Teen Pregnancy Prevention Replication Study
- Fidelity and performance data are used by grantees themselves to identify issues and develop solutions.
- Information about all aspects of implementation, including challenges and their resolution, will help other organizations as they plan to implement any of the three program models.
- Analysis of implementation data can suggest possible explanations for differences in program impact.

Fidelity Monitoring Data



Grantees are required to collect:

- Attendance Data
- Sessions Implemented
- Facilitator Self-Assessment – Fidelity Monitoring Logs
- Observation Data
 - Fidelity Monitoring Logs (content)
 - Observation Form (quality)
- Fidelity Process Report Form

Using Implementation Data to Shape Strategy in Knox County



Using fidelity data

- Review fidelity logs to determine how promptly they are entered.
- If health educators are falling behind, retrain to underscore the importance of completing immediately after session ends.

Issues for Safer Sex

- Not possible to observe; the checklist allows monitoring at a gross level, misses important aspects.
- Tension between the philosophy underlying motivational interviewing and requirement to cover a whole list of topics.

Using Implementation Data to Shape Strategy in Knox County



Using performance data

- Review recruitment and retention data to assess productivity across health educators.
- Do some retraining to effect more equitable sharing of work

But....

- Differences in recruitment and retention may reflect differences in program setting not differences in health educator skills or motivation, and...
- Differences in performance across health educators may reflect differences in ability to connect effectively with young women – not easily trained.

Using Implementation Data to Shape Strategy in San Luis Obispo



Using fidelity data

- Review fidelity logs, health educator notes, own notes from observations
- Create “snapshots”, illustrating different approaches to delivery of material, problem-solving strategies
- Group discussion of “snapshots” to identify best strategies and adopt.

Using Implementation Data to Shape Strategy in San Luis Obispo



Using performance data

- Review data to identify attendance and retention challenges that differ by setting (conventional schools vs. community schools vs. juvenile justice facility).
- Design strategies to improve retention/attendance that are setting-specific
- Review attendance data to gauge effectiveness of strategies.

Using Implementation Data to Shape Strategy in St. Louis



Using implementation data

- Supervisory staff conduct observations of required sample; local evaluator observes once a year to provide a different viewpoint, catch things that were missed.
- Discuss observation findings in group meetings with health educators, identifying “best practices” and “problematic practices”, anonymously.....
- Then, meet one-on-one with health educators to review observational data and notes, praise successful strategies, work together on strategies to correct flaws.

Using Outcome Data to Improve Implementation in St. Louis



Using outcome data

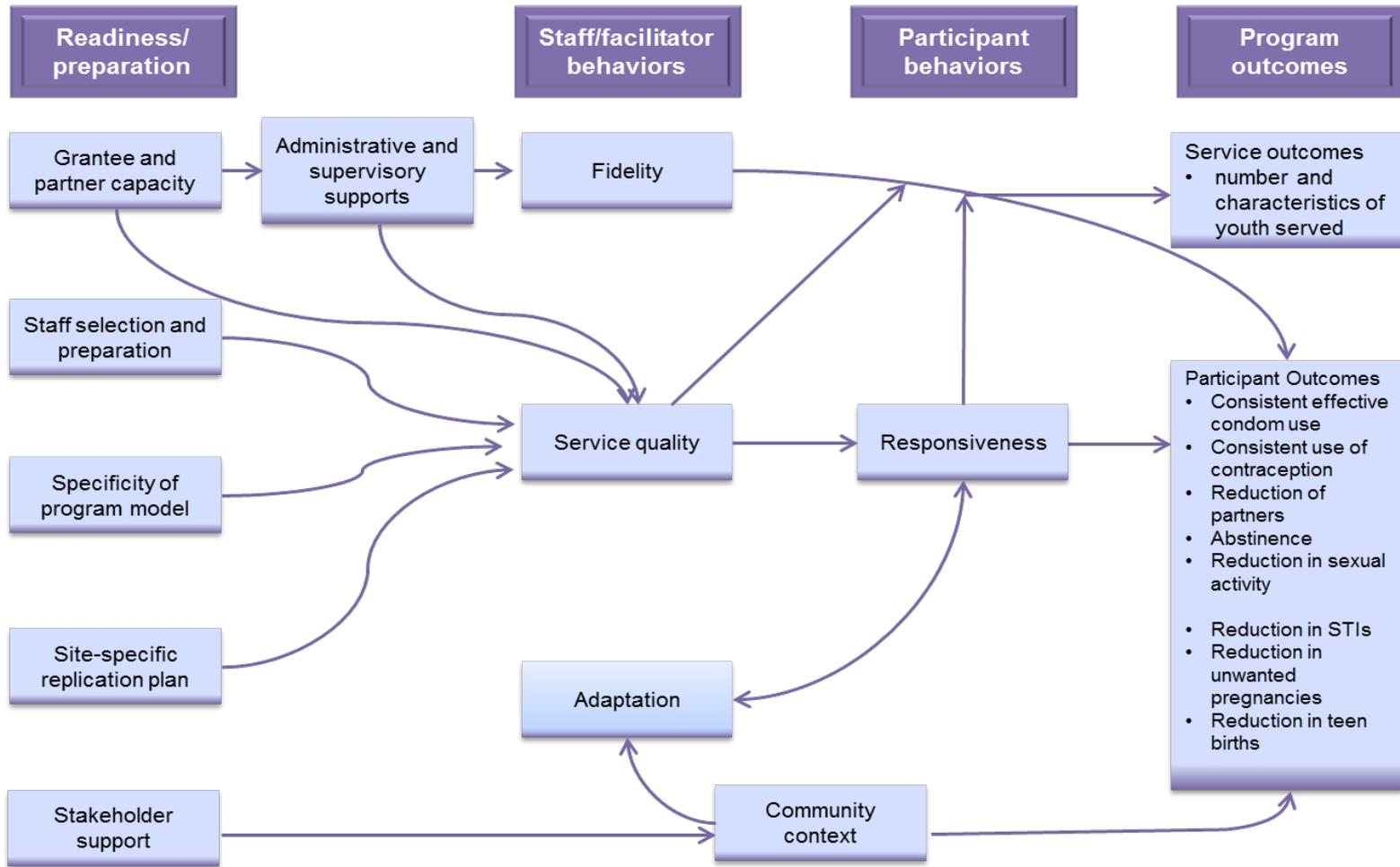
- Create a matrix that links outcome areas to curriculum units.
- Review survey data to identify change or lack of change in key outcome areas.
- If review shows consistent pattern of “no change”, go back to linked curriculum unit.
- Meet with staff to discuss possible reasons for “no change” and develop strategies to strengthen delivery of curriculum unit.
- Conduct training session on improved strategies.

Teen Pregnancy Prevention Replication Study: Implementation Sub-Study Goals



- To describe the intervention as planned and implemented in each of nine replication sites;
- To document the extent to which the intervention was delivered with fidelity and met its performance goals;
- To examine barriers and challenges to implementation in order to understand why replication efforts were or were not successful; and
- To link aspects of program implementation to variation in program impacts.

Implementation Study: Framework



Using Implementation Data To Describe the Replications and Inform Future Efforts



- Describe the implementation of the replication in each site and the variation in implementation within each of the program models.
- Assess ways in which grantees' prior experience and other aspects of readiness affected their ability to fully implement the program.
- Identify implementation challenges encountered by grantees and strategies developed to address them.

Using Implementation Data to Understand Program Impacts



- **Qualitative analysis:**

- Dependent on finding differences in program impact across sites or for different populations.
- Looks at all aspects of implementation to develop plausible explanations for differences in impact.

Using Implementation Data to Understand Program Impacts



■ **Quantitative analysis:**

- If impacts are the same across three sites using same model, no need for this analysis.
- If implementation does not differ significantly across the three sites, no way of conducting the analysis.
- Score will be developed for two or three key aspects of implementation.
- Analysis will generate plausible explanations for differential impact.

Unique Aspects of the Implementation Study



- Comprehensive framework includes more implementation elements (e.g., readiness) than others.
- Access to fidelity and performance data collected throughout implementation period.
- Program logic models and fidelity measures derived from program developers' own published work.



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