

# Developing, Implementing, and Using Practical Evaluation of Oral Health Programs

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# Objectives

- **To identify approaches to involving stakeholders in evaluation studies**
- **To increase understanding of how to make oral health evaluation studies more useful to potential users**
- **To articulate methods for increasing evaluation use by primary intended users.**
- **To describe key issues to be addressed in an evaluation**

# What is Program Evaluation?

- ***Program evaluation*** is “the systematic collection of information about the activities, characteristics, and outcomes of programs to make judgments about the program, improve program effectiveness, and/or inform decisions about future program development.”

# Steps in Developing an Evaluation Plan

1. Identify evaluation team/Involve stakeholders (PRACTICAL USE)
2. Develop a logic model
3. Develop evaluation questions
4. Identify potential sources of data collection and a system to collect that data
5. Identify methods of data analysis
6. Develop a preliminary dissemination plan

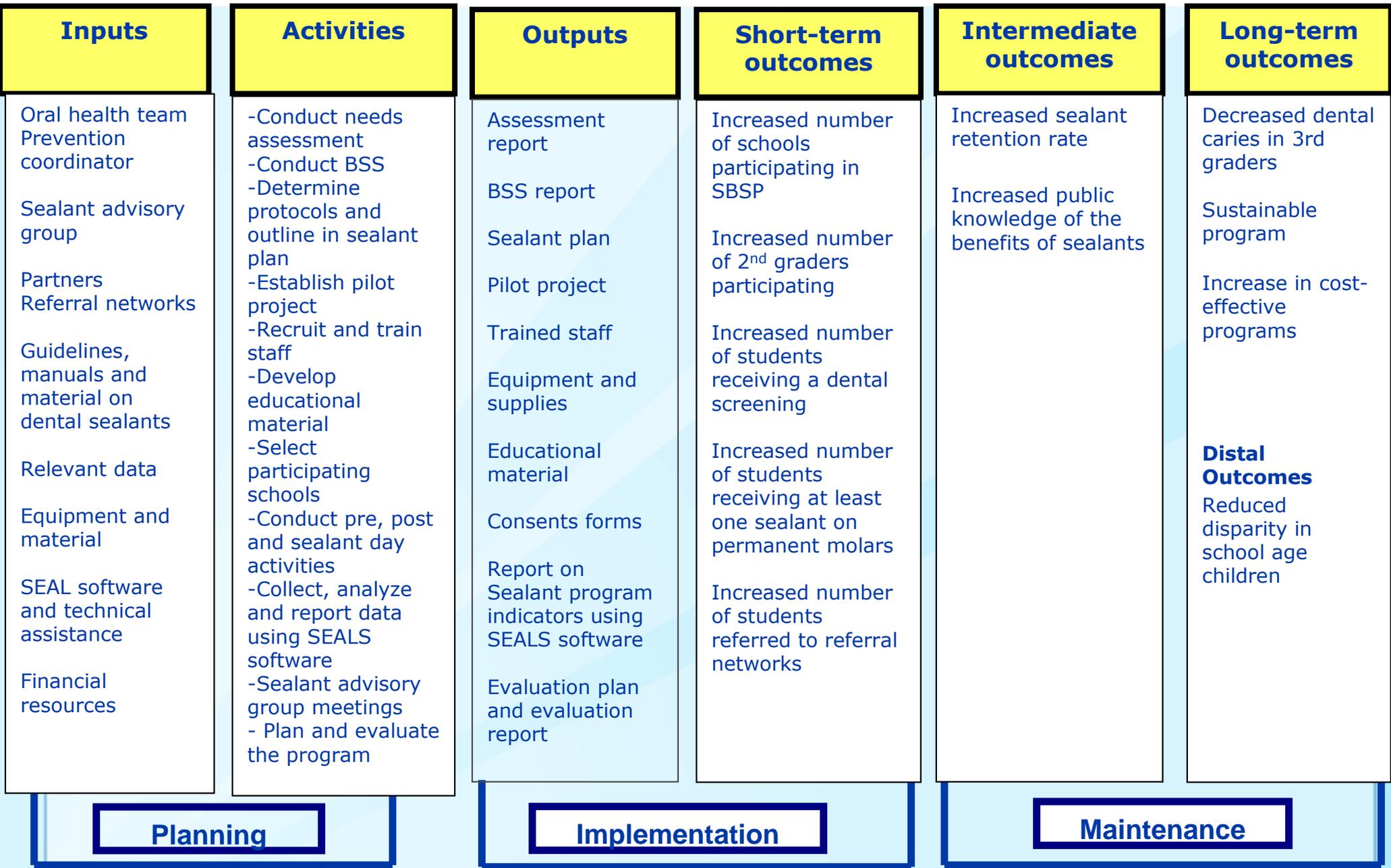
# **1. Evaluation Team/Users/ Stakeholders**

- **Which users/stakeholders should be included?**
  - **Primary intended users of the evaluation**
  - **Decision makers**
  - **Program staff**
  - **Partners**
  - **Served or affected by the program**

## 2. Logic Model

- **Describes the sequence of events for bringing about change**
- **Components of a Logic Model**
  - Resources (Inputs)
  - Activities (Strategies)
  - Outputs (Results of Strategies)
  - Expected Effects (Outcomes)
- **Other Considerations**
  - Stage of Development
  - Context

# Comprehensive School-based/linked Dental Sealant Program Logic Model Example



# 3. Evaluation Questions

- **What questions should evaluation answer?**
  - Consider purpose of evaluation
  - Users and uses of evaluation
- **Evaluation questions:**
  - Dependent on the stage of development of the program
  - Identified by evaluation team
  - Prioritized based on importance and feasibility
  - Include both types - qualitative and quantitative

Planning	Implementation	Maintenance
Inputs and Activities	Activities and Short-term Outcomes	Intermediate and Long-term Outcomes
<p>Who are our stakeholders? Are these the right stakeholders for our program?</p> <p>What type of burden of oral disease data are available?</p> <p>What are the criteria for target schools and target population?</p> <p>Does our identified risk group reflect our state burden?</p> <p>What is the total number of eligible schools? What is the total number of children in the target grade of the target schools?</p> <p>What are the results of our environment assessment for readiness for the program implementation?</p> <p>What are the resources and support available for program implementation?</p> <p>What policies do we have to support oral health activities?</p>	<p>How does our overall implementation process work?</p> <p>How could the process be improved?</p> <p>What type of data are being used for evaluating program activities and what is accuracy and timeliness of this data?</p> <p>How far have we reached or fall short on meeting our goals?</p> <p>What are the challenges to the program?</p> <p>What is the level of understanding and support for the oral health program from stakeholders and the community?</p> <p>What is the quality of sealant placement?</p> <p>What is the retention rate?</p>	<p>How Is the sustainability of the oral health program being ensured?</p> <p>Are the right policies in place? Are they having the intended impact?</p> <p>What is the prevalence of caries?</p> <p>What are the levels of disparity for dental caries and untreated decay?</p> <p>What is the prevalence of untreated decay?</p> <p>What are the policies in place to support OH activities? Are these the right policies? What are the intended impact of these policies?</p> <p>What were the unintended effects (positive and negative) of the program?</p> <p>How was the cost effectiveness of the program assessed?</p>

# 4. Methods

- **Evaluation results must provide a credible evidence and they must be seen as credible by evaluation's primary users**

## **Data Collection System and Sources**

- **What data collection procedures best match the primary users, uses and questions?**
- **Is it possible to mix methods to overcome limitations of any single approach?**

# 4. Methods (Continued)

- Sources
  - What sources will be accessed to gather data?
  - What will be done to integrate multiple sources?
- Quality
  - Is the information trustworthy and reliable?
- Quantity
  - What amount of information is sufficient?
  - Is the respondent burden reasonable?
- Logistics
  - What techniques, timing and resources will be used to gather data?

## **5. Methods of Data Analysis**

- Qualitative and Quantitative data analysis methods

## **6. Preliminary Dissemination Plan**

- A Preliminary Dissemination Plan should be in place before the evaluation activities begin and should be discussed among the Evaluation Advisory Group members.

# Summary

Essential element for program evaluation and its success:

- Stakeholder involvement
- Utilization Focused Evaluation

# **Workshop Activity**

**A “mock” evaluation consultation group meeting**

**To design an evaluation of an oral health initiative – School Based Sealant Program**

# Workshop Activity

- **Form an Evaluation Consultation Group (ECG)**
- **Each member assumes a role of one of the members in a face-to-face meeting**
- **Then the group works on the following:**
  - ❖ **Purpose of the evaluation**
  - ❖ **Primary intended users of the evaluation**
  - ❖ **Uses of the evaluation**
  - ❖ **Evaluation questions**
  - ❖ **Methodologies to answer the questions**
  - ❖ **Political considerations**