# Birth Defects Surveillance Program Evaluation

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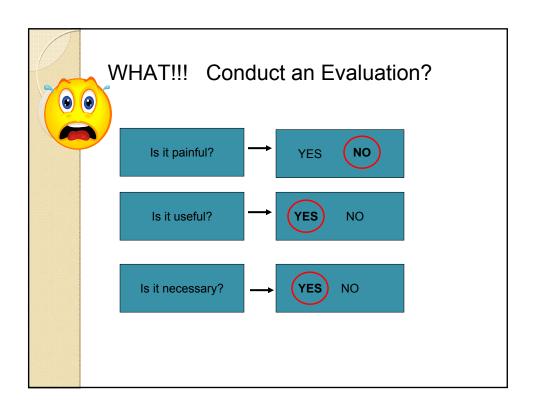
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## Why we're here today

- Basics of evaluation
- CDC-funded state birth defects surveillance programs
- Experiences from Michigan and Colorado programs in implementing the evaluation plan and tools

### **Evaluation**

 Systematic collection of information about a program that enables stakeholders to better understand the program, improve its effectiveness and/or make decisions about future efforts.



#### Recent news article

OMB would toughen how agencies measure program value

- Agencies can expect changes in how they evaluate the effectiveness of their major programs and recommendations in the fiscal 2010 budget proposal to eliminate some programs, said Peter Orszag, President Barack Obama's nominee to be director of the Office of Management and Budget.
- "The president will release his budget policy outline in February, and it will contain some program eliminations in it," Orszag told the Senate Homeland Security and Government Affairs Committee Jan. 14.
- "We should be focusing our metrics on results and outcomes, not what we're doing to get there, and let agencies focus on how to get there," Orszag said.
   "It's hard to do anything if you don't measure it because you don't know what to change and where you're going. It's crucially important."

Source: Written by Mary Mosquera, January 21, 2009

## Which way?



One day, Alice came to a fork in the road and saw the Cheshire cat in a tree.

"Which road do I take?", she asked.

His response was a question:

"Where do you want to go?"

"I don't know," Alice answered.

"Then," said the cat, "it doesn't matter."

Lewis Carroll, Alice's Adventures in Wonderland



- WHY conduct evaluation activities?
   Evaluation helps to understand where the program is working as intended, and the areas in need of improvement.
- WHEN do we do evaluation activities?
   Effective evaluation is on-going, not an event that occurs at the end of the project.
- WHO are the users of evaluation info?
   Determine each stakeholders' information needs, for what purposes and how often.

## Evaluation in a nutshell



- Determine the purpose of the evaluation.
- What do you need to know?
- How will it be measured, by whom & when?
- Who needs this information?
- How will the evaluation information be shared and used?

Build effective programs through:

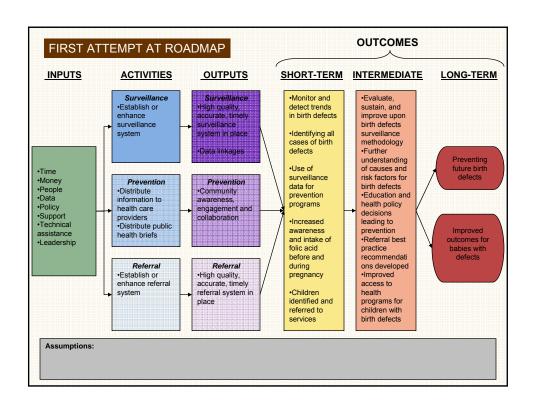
Thoughtful planning (logic models)

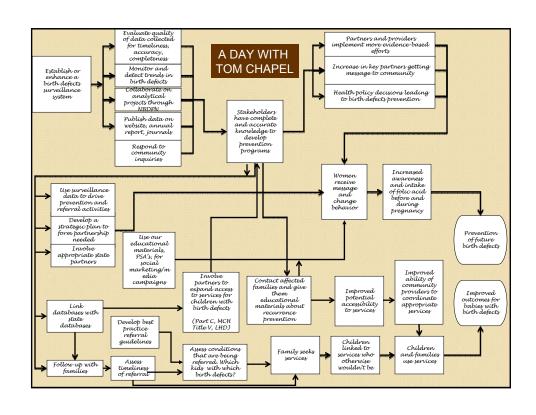
And IMPROVE programs through:

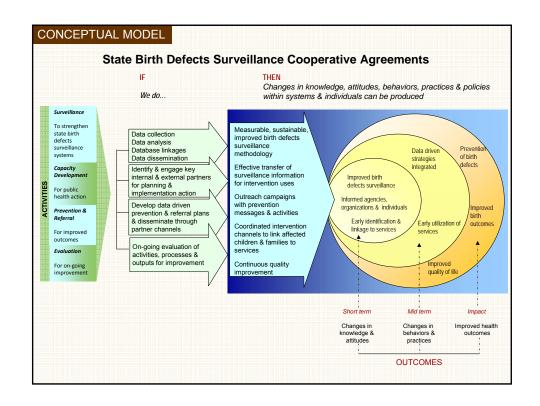
Focused evaluation

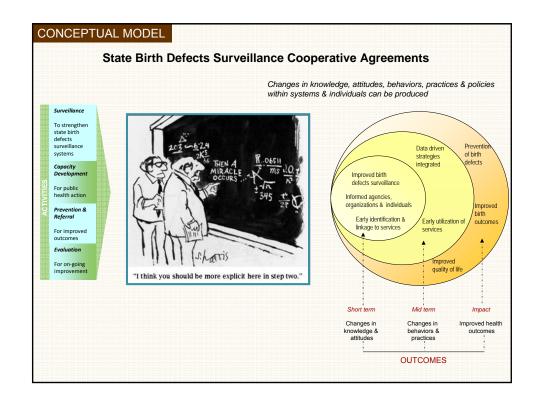
## Background: CDC-funded State Birth Defects Surveillance

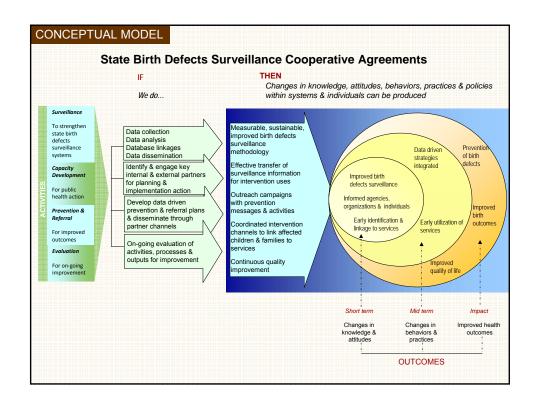
- Funding for state-based birth defects surveillance since 1995
- Evaluation required as part of RFA, but no formal guidance provided to states





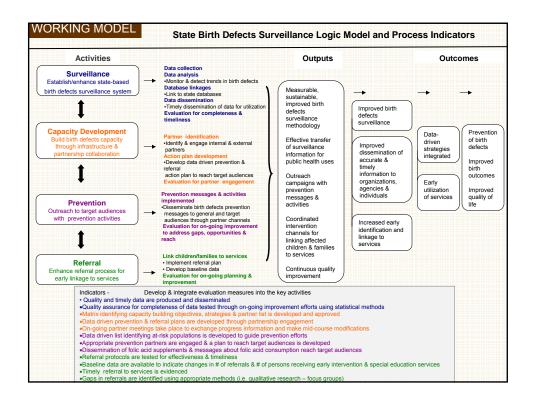






#### What next?

- Conceptual model good overview
- Need a more detailed roadmap for grantees and others interested in birth defects program evaluation



#### Resources

- Resource Guide Logic Models for Planning and Evaluation
- Evaluation Plan Template
- Evaluation Checklist
- Capacity Development Worksheet
- Matrix Listing of Projects/Activities With an Evaluation Component

## **Evaluation Guide – Developing Logic Models**

• Step-by-step guide to help reader:



- Identify major components of a logic model
- Develop state-level birth defects surveillance and data utilization activities with build upon indicators
- Understand basic components of evaluation development

#### **Resources – Evaluation Matrix**

STATE BIRTH DEFECTS GRANTEE EVALUATION PLAN TEMPLATE

# Example for Prevention component Objective: Use state birth defects surveillance data for the identification of at-risk populations and the development of targeted birth defects prevention activities including folic acid education. Evaluation Questions Indicators Data Sources Data Collection Timeframe Analysis Timeframe Analysis Objectives Analysis Plan Communication Plan Staff Responsible Where will you get the reflect objectives data? Where will you do with the data? When it will you do with the data? When it will you do with the data? Analysis The was risk. Underserved or hard-to-risk populations is reach populations been developed. Appropriate prevention partners are the convenience has been developed. Appropriate prevention partners are developed. Appropriate prevention partners are developed. Appropriate prevention partners are developed. Appropriate prevention and developed. To what exent are the communication channels effectively reaching the larget audiences. To what exent are the communication channels effectively reaching the larget audiences. To what exent are the communication channels effectively reaching the larget audiences. To what exent are the communication channels effectively reaching the larget audiences. Changes in numbers to reach audiences reached.

## Evaluation Checklist

#### Evaluation Checklist for State Birth Defects Surveillance Evaluation Development & Implementation

#### Your evaluation plan should answer these questions:

- ☑ What will be evaluated?
- What do key partners want need to know about the program
  What do you intend to do with the evaluation information?

MARI of you menter or was the season of the Maria After constructing your program logic model, use the State Grantee Evaluation Plan Template to draft your evaluation plan. Next, use this checklist to review the steps involved in program evaluation.

Remember, the purpose of an evaluation is to gather information needed to measure progress toward achievement of the program goals and to identify opportunities for on-going program improvement

	Define the purpose of the evaluation.
	Who will use the evaluation findings?
	How will the findings be used?
	What do stakeholders need to learn from the evaluation?
	When age, the evaluation findings needed for on-going program improvement decisions?
Step 2	: Develop an Evaluation Plan
	Prioritize evaluation questions (what you need answered).
	Identify data sources (what will be collected).
	Determine data collection methods.
	Determine data analysis methods and tools.
	Identify how the findings will be disseminated (email, workshops, conferences, partner meeting, website, etc.)
	Establish an evaluation timeline
	Assign evaluation responsibilities to appropriate staff.
Step 3	: Data collection, analysis, reporting
	Gather only data needed.
	Analyze data
	Develop evaluation reports.
Step 4	: Share findings
	Disseminate timely evaluation reports.
	Provide easy access to evaluation information.
	Communicate findings in formats appropriate for the intended audience(s).
Step 5	: Utilize findings
	Engage partners to discuss evaluation findings, and make necessary modifications to program activities.
	Determine necessary modifications for program improvement
	Revise the program logic model to reflect changes.

## Resource - Worksheet For Capacity Development

Partner List	surveillance	Referral	Prevention	Role		
March of Dimes	х	х	Х	Advocacy for birth defects surveillance infrastructure; prevention & outreach; health messaging; conduit to other key partners		
Title V MCH	×	х	Х	National and local resource.		
Community Health Centers (coordinate through State Primary Care Association)		х	х	Service provider/medical home for underserved/uninsured. CHC operate under state Primary Care Association (this is a separate group from the Office of Primary Care) – PCA can help with data & access issues & culturally appropriate channels for prevention strategies.		
State Office of Ethnic Health		х	х	Conduit to ethnic populations		
County Health Departments	х	х	Х	Data source; conduit to audiences for referral and prevention		
Spina Bifida Association, Down Syndrome Society, etc.			х	Advocacy for birth defects infrastructure at national and local level; dissemination channel for prevention activities/messages; source for outcome data		
Medicaid				Data source: claims data on plan enrollees who receive services.		
State health agency programs, e.g. WIC, family planning, chronic disease/nutrition		х	х	Data source: partners working to strengthen/enhance data foundation –test linkage accuracy.; vehicle for dissemination of prevention messages		
Part C Early Intervention		х		Health outcome data source		
Health care providers, e.g. pediatricians, ob/gyn, nurses		х	х	Prevention & outreach; focus group to identify provider/patient preconception/early pregnancy information needs		
Infrastructure & partner health communication units				Engage to plan/disseminate prevention messages that resonate with a range of appropriate audiences (women of childbearing age, parents of children with BD, underserved & vulnerable – higher risk audiences, etc.) Identify previous formative research findings & needs assessments		
Hospitals & if applicable, hospital associations	х			Data source		

## Resource – Evaluated Activities Matrix Listing

	Target population	Topic area	Project	Audience	Specific program activities	Evaluation methods	Costs	Outcomes/ results	Conclusions / lessons learned
	Women of childbearing age	Folicacid	Folicastd campaign and evaluation - sourhowstern, VA, 1997-1999 (MMWR, 1999)	22,500 women of childbearing age in 4 county area of southwestern VA	Year long community information campaigneth T and raid of SAs, news conference, newspaper ade, Bablibaards. Forms groups & reachbility tests used to develop parint materials. Local groups are to dain helped promote use of foliate-rich foods & mainfeldam legowin tracers distributed green ribbancto promote FA aware crass-foliate add teaching packet, developed for grades 5-12 and college-level nursing pro-grams	Pre- unit post- campaign random sample telephone surveys to seese E. A. Samon-raness and financided included vomen il 8-45 pears olique 412 pre- campaign 419 post-campaignyear I: 278 post-campaignyear 2	INS	Awar eness of benefits of FA Increase of Increase of Significantly in year I and year 2 compared to precampaign. TV and Incident care providers cited as I leading sources of information.	Survey was relatively easy to implement and rests were low
	Allwomen	Follcacid	Folicadd awareness grocery placement efforts (NBDPN amual meeting poster, 2006)	Womenat grorery stores in Florida	Materials with EA Information were developed and placed in a Public magazine for new parents. Information on the importance of taking FA were included on Public componer.	Spina Billián Association of America's National Survey of SB Community examined awareness amongwomen at increased risk for NTDs before (N=301) and after (N=221) program	NS	Follcarid consumption remained the same.	Concerted efforts on one regional grocer chain are not effective without substantial advertising budger.
	Hispanic women (lafina, primarily Mexican descent)	Folicacid	Folicacid and the presention of MTDCs survey of awareness among Latina women of childbearingage residing in Southeast MIchigan (Kannan S, et al., 2007)	Latira women (primarily Mexican descent) in southeast Michigan	Educational materials (resipe and, supermarker-helpon porters full add entrinsima for consumity organizations, other MOD materials) were used in 29 FA education events in Det to ill. metro or an augment whether and community organizations edilering WI/Co or other services to women of child bearing age.	A 12-dem numer adapted from the MOD was given to 160 latins women 19-50 years of age to self- administer and measured knowledge and owner tenso of FA, pre-namended finding of latake, etc. Albert being given FA messages, women's intent to modify their FA intake was assessed.	INS	71% had heard of FA, 74% knew in FA, 74% knew in FA, 74% knew of Dis, 55% knew critical time to take FA. After participating in events, 85% reported planning to eat more folate and/or FA-rich foods.	Exposure to in-store sensory component of lood-racing opportunities may have contributed to high rates of behavioral intention in these women.