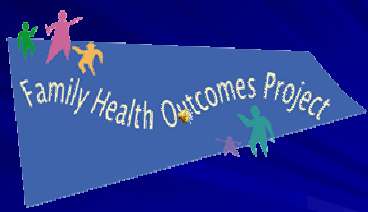


The Family Health Outcomes Project: *Overview and Orientation*

Gerry Oliva MD, MPH
Jennifer Rienks PhD
Katie Gillespie MA, MPH
Family Health Outcomes Project
November, 2010

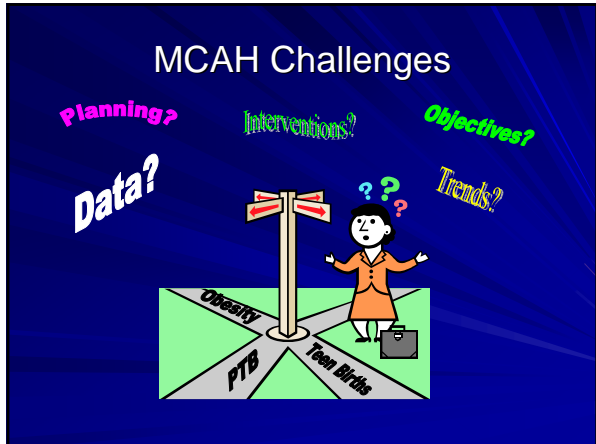
The Story of FHOP



Featuring an interview with FHOP Founder:
Dr. Gerry Oliva

Webinar Objectives

- Be familiar with FHOP's history, mission, and goals
- Understand what tools, trainings, data and other resources FHOP's has available to assist with each step of the Needs Assessment Planning Cycle and with completing the annual MCAH Scope of Work
- Be familiar with FHOP's website and where key resources are located
- Have an opportunity to discuss questions and issues related to MCAH work
- Learn strategies for addressing common questions and issues MCAH directors encounter



FHOP Background

- Founded in 1991
- Located at the University of California, San Francisco, Department of Family and Community Medicine
- MCAH project funded by State, Federal, and Foundation grants

FHOP Mission

To improve the health of children and their families and communities by supporting the development and implementation of comprehensive community planning, data-driven policies, evidence-based interventions, and effective evaluation strategies.

FHOP Historical Context

- Institute of Medicine Future of Public Health Report 1988 - emphasis on the core functions of public health; focus on population based programs and essential public health services (counting numbers served is no longer sufficient)
 - Assessment
 - Planning and Policy Development
 - Assurance

FHOP Historical Context

- 1989 - OBRA '89 requires federal Title V agency MCHB to monitor a set of HP 2000 indicators
- 1992 - AB99 Committee in California recommends monitoring a larger number of HP2000 indicators
- 1993 - California MCH Branch initiates an effort through FHOP to assist funded local MCH programs to monitor these indicators

FHOP Historical Context

- 1993 - Government Performance and Results Act (GPRA) mandates federal agencies to develop performance measures
- 1997 - Federal MCHB develops a set of measures and Title V guidance requires states to monitor these
- 1998 - California MCHB requires local programs to monitor these indicators and incorporate them into their five year needs assessment and plans

FHOP's Goal

- Develop and make available to local MCAH Programs guidance, tools, training and other resources to you help you at each step in the Title V MCAH 5-year Needs Assessment Planning Cycle and in completing your annual MCAH Scope of Work

FHOP Approach

- Collaboration
- Literature Review
- Consulting Experts
- Community Advisory Groups

FHOP Areas of Activity

- Training – face to face, webinars
- Technical Assistance
- Data Analysis Software – templates, software
- Data – Analysis of rates and trends over time for 30 MCAH indicators
- Development of Analytic Methods
- Research and Evaluation
- Web site – access to data, data links, tools, literature, publications, and past webinars

FHOP Areas of Activity: Training

- Topics and schedule developed in collaboration with State MCAH staff and consultation with MCAH Action
- FHOP develops curriculum
- Format focuses on interactive skill development
- Aim to target trainings toward current MCAH needs

Training Topics

- Developing a planning coalition
- Identifying and measuring health indicators
- Analyzing public health data to identify problems and issues
- Developing a plan and interventions
- Developing and measuring outcome objectives
- Evaluating interventions

FHOP Areas of Activity: Technical Assistance

- Telephone consultation on data related questions
 - Identifying data sources
 - Reviewing and interpreting data
 - Assistance in use of automated tools
- Site visits to meet with planning groups and staff (if travel covered)

FHOP Areas of Activity: Data and Data Analysis Software

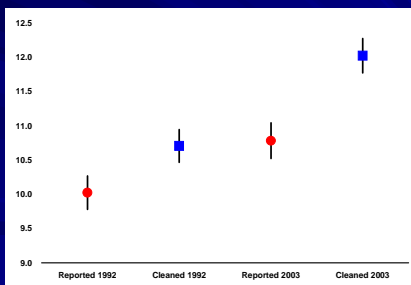
- County Data Spreadsheets and Workbook B
 - 30 MCAH indicators
 - Calculates Rates and confidence intervals
 - Calculates Risk statistics
 - Calculates Trends
- Data Analysis – EpiInfo Based software
 - CalBirthInfo (CBInfo)- for birth certificate data
 - EpiHOSP - for hospital discharge data

FHOP County Databooks

- EXCEL Spreadsheets that display County-level data over 12 years for 30 different indicators
- Displays the comparison of rates between county data, the State and Healthy People 2010 Objectives
- Perform trend tests – “are things getting better or worse?” “How does progress in my county compare to the state?”
- Contains a data quality tab to alert counties to missing or unlikely values and how they may affect accuracy of rate calculations

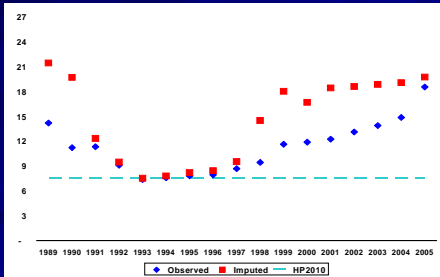
Why is Data Quality Important?

Local Asian Preterm Birth Rates
Reported and Cleaned 1992 and 2003



Why is Data Quality Important?

Local Asian Preterm Birth Rates
Reported and Imputed 1989-2005



FHOP Software: CBInfo

- An interface to the current version of EpilInfo, a public domain software maintained by CDC
- Designed to use with California Birth Certificate (CBC) files generated by AVSS
- Can import both pre-2007 and 2007 CBC formats
- Contains pre-programmed reports, graphs and maps (birth weight, prenatal care, mother's demographics)
- Allows for simplified training and maintenance

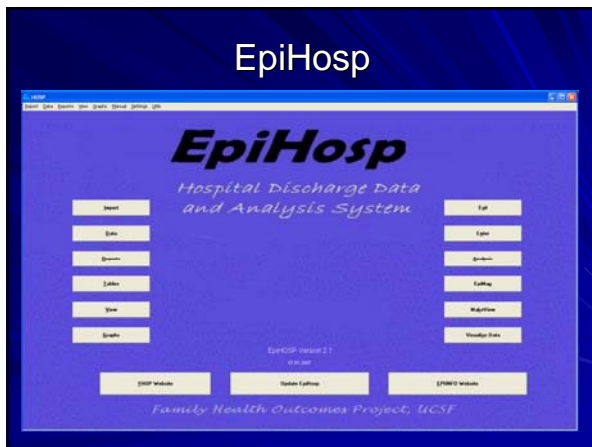
CBInfo



What is EpiHosp 2.0?

- Based on current version of EpiInfo
- Imports hospital discharge data files preprocessed by FHOP for children and youth from 28 days to 24 years of age (2007 most recent data available)
- Easy-to-use data analysis software
- Contains pre-programmed reports, graphs and maps (i.e. mental health, substance abuse, injuries)
- Can be used to monitor infant, children and youth indicators of acute and chronic disease

EpiHosp



FHOP Area of Activity: Analytic Methods – Statistical Guidelines 2002

**GUIDELINES FOR STATISTICAL ANALYSIS
OF PUBLIC HEALTH DATA
WITH ATTENTION TO SMALL NUMBERS**

IMPACT OF DATA QUALITY ON BIRTH RELATED HEALTH INDICATORS

Do We Have a Linear Trend?

A Beginner's Approach to Analysis of Trends

in Community Health Indicators

FHOP Area of Activity: Analytic Methods - Data Standards

GUIDELINES ON RACE/ETHNICITY DATA COLLECTION, CODING AND REPORTING

- A 2003 set of guidelines for the collection, coding and reporting of race and ethnicity on all data sets maintained by the CDPH
- Goal is ability to compare data by uniformly defined categories consistent with Federal Office of Management and Budget census categories so standard rates can be calculated
- Update for multiracial coding in process for 2011

FHOP Activities: Research and Evaluation

- Develop public health indicators
- Develop methods and guidelines and analytic tools
- Perform topical literature reviews of risk and protective factors and evidence-based interventions
- Study trends in hospitalizations for children and youth for specific diagnoses
- Assess the health needs of the MCAH/CSHCN populations
- Research and evaluate innovative intervention strategies for improving the health of families and communities

Current Research and Evaluation Projects

- Assist Counties in evaluating interventions – Solano county 4P's Plus
- Evaluate process and outcomes of community based collaborative research
- Analyze provider and parent survey of needs and concerns about care for CSHCNs
- Assess the effectiveness of birth clerk training in improving birth certificate data quality

FHOP Activities: Web: Improving Data Accessibility

- Work with state to develop standardized reports
- Disseminate data reports (e.g. annual birth and death data)
- Disseminate electronic data (e.g. hospital discharge file)
- Data resources library on FHOP website

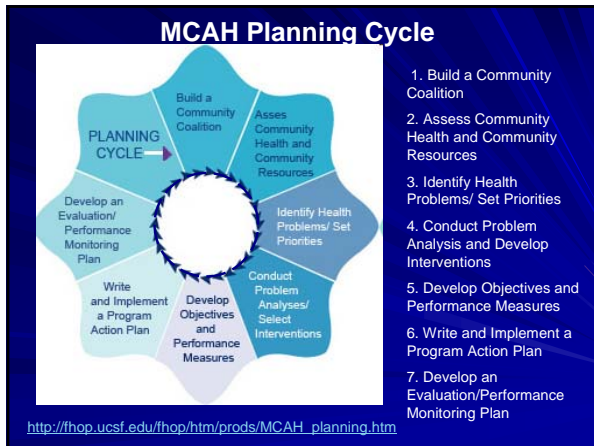
FHOP Website: <http://fhop.ucsf.edu>



Data Sources on FHOP Site

FHOP Website: <http://fhop.ucsf.edu>

- Data tables and spreadsheets
- Links to other sites with relevant data
 - CDPH Center for Health Statistics
 - CDPH Communicable Disease Branch
 - UCLA/California Health Interview Survey
 - CDPH EPIC Center – Injury Data
 - CADSS Foster Care Data
- Data and links organized by topic area



**FHOP Publications:
Developing an Effective Planning Process:
A Guide for Local MCAH Programs**

- Second edition published in 2003
- Reviews the traditional health planning cycle with a focus on MCAH activities
- Provides tools to facilitate planning during each phase of the process
- Provides tools to simplify data analysis
- Revised chapters 3,4,5 2008-2010

Step I: Build a Community Coalition

FHOP Resources

- Planning Guide Chapter 1: [Building a Constituency for Community Assessment and Data Based Planning: The Role of Coalitions and Collaboratives in the Development of an MCH Plan](#)

Other Resources

- [Community Organizing Bulletins](#) - Fact sheets on coalitions and coalition building
- [Organizing Stakeholders, Building a Movement, Setting the Agenda](#) by Xavier de Souza Briggs
- [Coalition Building Tip Sheets](#) - Author: Tom Wolff

Step II: Assess Community Health and Community Resources

FHOP Resources

- [Planning Guide Chapter 2: Community Health Assessment: Identifying Maternal, Child Health Needs and Setting Priorities](#)
- [CA County Pages and MCAH Data Spreadsheets](#)
Data for the perinatal indicators and those related to mortality and hospital discharge, contained in county specific files that can be downloaded
 - Answering a common MCAH question: Teen Births
- [CA County MCAH Data Resources](#)

Step II: Assess Community Health and Community Resources

FHOP Tools

- [Public Health Indicators and their Use](#)
- [MCAH Community Assessment Survey Tool](#)
The Core Survey includes five modules - dental health, asthma, childhood obesity, habits during pregnancy and family violence in English and Spanish.
- [Linear Trend Template](#)
This Excel template calculates linear trend statistics for 12 years of rates at two levels. Its use is described in FHOP's publication "Do We Have a Linear Trend," available on our publications page.

Step II: Assess Community Health and Community Resources

Useful Software

- [CBInfo: California Birth Information System](#)
 - Answering a common MCAH question: Prenatal care access
- [EpiHosp: Hospital Discharge Data Analysis & Presentation System](#)
 - Example standard report on any diagnosis of substance use

Step III: Identify Health Problems/ Set Priorities

FHOP Resources

- Planning Guide Chapter 2: [Community Health Assessment: Identifying Maternal, Child Health Needs and Setting Priorities](#)
- FHOP Webinar: [Identifying Data Sources for MCAH Needs Assessment, Planning and Evaluation](#)
- [Guidelines for Statistical Analysis of Public Health Data with Attention to Small Numbers](#)
- [Guidelines on Race/Ethnicity Data Collection, Coding, and Reporting](#)

Step III: Identify Health Problems/ Set Priorities

FHOP Tools

- [Tool for Prioritizing Health Indicators](#)
- [Prioritizing Indicators: One County's Results](#)
- [MCAH Needs Prioritization Worksheet](#)
- [Problem Prioritization Tool](#)
- [MCAH Priorities Worksheet](#)

Step IV: Conduct Problem Analysis and Develop Interventions

FHOP Resources

- Planning Guide Chapter 3: [Conducting a Formal Problem Analysis and Identifying Effective Interventions](#)
- [Intervention Planning Resources](#)
Includes problem analysis diagrams for selected health problems, topic area consultants, and other relevant information to assist in intervention development.
- FHOP Webinar: [Using a Socio Ecological Model to Develop Strategies for Impacting MCAH Outcomes](#)

Step IV: Conduct Problem Analysis and Develop Interventions

FHOP Tools

- [Blank Problem Analysis Diagram](#)
- [Tips for a Successful Problem Analysis and Identification of Points of Intervention](#)
- [Example Problem Analysis Diagram](#)

Other Resources [The Promising Practices Network \(PPN\)](#) website features summaries of programs and practices that are proven through evaluation or show promise to improve outcomes for children and families.

Step V: Develop Objectives and Performance Measures

FHOP Resources

- Planning Guide Chapter 4: [Developing Objectives, Performance Measures, and an Action Plan](#)
- FHOP Webinar: [Using Objectives and Performance Measures to Evaluate Program Effectiveness](#)

FHOP Tools

- [Blank Logic Model Tool](#)
- [How to Use a Logic Model: Step by Step](#)
- [Example Logic Model: Community Plan to Promote Breastfeeding](#)
- [Example Logic Model: Provider Education Program to Promote Breastfeeding](#)
- [Criteria for Determining Feasible Solutions](#)

Step VI: Write and Implement a Program Action Plan

FHOP Resources

- Planning Guide Chapter 4: [Developing Objectives, Performance Measures, and an Action Plan](#)
- Planning Guide Chapter 6: [Putting It All Together: Creating a Planning Document](#)

FHOP Tools

- [Program Action Plan Matrix](#)
- [Program Action Plan Matrix: Definitions](#)
- [Program Timeline](#)

Step VII: Develop an Evaluation/Performance Monitoring Plan

FHOP Resources

- Planning Guide Chapter 5: [Program Evaluation and Performance Monitoring](#)
- FHOP Webinar: [Using a Logic Model Framework for Program Planning and Evaluation](#)

FHOP Tools

- [Evaluation Design](#)
- [Example Logic Model Tool](#)
- [How to Use a Logic Model: Step by Step](#)
- [Data Collection Worksheet](#)

Questions and issues related to MCAH work?

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