Public Health

Issues That Affect Our Community
Support the Public Can Count On
Public Health Issues

Communicable Diseases
– West Nile Virus, Pandemic Flu, SARS, Avian Flu, TB

Bioterrorism
– Small Pox, Anthrax, Ricin

Chronic Disease
– Obesity, Heart Disease, Asthma

Access to Health Care
– MIA, Pharmacy

Safety Net
– Virtual Hospital

Future Trends
– Health Care Professional Recruitment
– Technology
– Funds
Communicable Diseases

Infectious Diseases

- West Nile Virus
- Pandemic Flu
- SARS
- Avian Flu
- Tuberculosis
AIDS, Hepatitis C, and Chlamydia Rates
Santa Barbara County: 1994-2004

Source: CMR reports. HARS reports. Race/Ethnic Population with Age and Sex Detail, 1970-2040, CA Dept. of Finance
Threats

- Small Pox
- Anthrax
- Ricin
- Natural Disaster
PHD Emerg Response for Bioterrorism
2002-2005: $1,908,953

- Preparedness and Response: 7%
- Disease Surveillance: 27%
- Laboratory: 16%
- Health Alert Network/IT: 24%
- Risk Communication: 5%
- Training: 14%
- Strategic Nat'l Stockpile: 7%
Obesity

- Obesity is increasing: more than 25% of children in grades 5, 7, & 9 are overweight
- Obesity accounts for a 12% growth in health care spending
- Obesity is a leading cause of diabetes
  - Children now getting “adult-onset” diabetes
- A continuing trend means 1 in 3 babies will become diabetic resulting in a loss of life of about 15 years

This may be the first generation of American children to have shorter life-spans than their parents
Obesity Trends* Among U.S. Adults
(*BMI ≥30, or about 30 lbs overweight for 5’4” person)

Source: Behavioral Risk Factor Surveillance System, CDC.
Uninsured Residents
Santa Barbara & Benchmark Counties
CHIS 2003 Data

- Solano: 4.0%
- Marin: 5.0%
- Placer: 6.0%
- Sonoma: 8.3%
- San Luis Obispo: 11.4%
- Santa Cruz: 12.3%
- San Joaquin: 12.3%
- SB: 12.5%
- Stanislaus: 14.3%
- Monterey/San Benito: 15.2%
- Tulare: 15.5%

California = 14.0%
Access to Care

Uninsured Children Aged 0 to 17

Santa Barbara & Benchmark Counties

CHIS 2003 Data

0.0% 2.3% 2.9% 2.9% 3.0% 3.8% 5.9% 6.6% 6.7% 7.2% 12.1%

California = 7.1%

Marin Solano Sonoma San Luis Obispo Placer Santa Cruz Tulare San Joaquin Stanislaus Monterey/San Benito SB

Uninsured Children Aged 0 to 17

Santa Barbara & Benchmark Counties

CHIS 2003 Data

California = 7.1%
Access to Care

Uninsured PHD Patients

- 2001-02: 25.1%
- 2002-03: 27.6%
- 2003-04: 27.4%
- 2004-05: 29.4%

Est.
PHD Clinic Locations

Santa Maria Health Clinic
Santa Maria Women’s Health Center

Lompoc Health Clinic
Lompoc Wellness Center

Cuyama Health Clinic

PHD Clinics
- 32,000 patients/yr
- Over 115,000 clinic visits/yr
- 12,800 SBRHA assigned members

Safety Net
Where Do PHD Patients Live?
Total FY 03-04 Clients = 29,102

- SB/Goleta: 31%
- Lompoc Valley: 28%
- Santa Maria Valley: 30%
- Out-of-County: 2%
- Santa Ynez Valley: 2%
- Carp & Summerland: 7%

Total:
North County = 60%
South County = 38%
Out-of-County = 2%
PHD Clinic Visits
1998-99 through 2004-05
Total deliveries in SB County was 6,204 in 2004.

PHD Obstetrical Deliveries

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<tr>
<th>Year</th>
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<tr>
<td>1998-99</td>
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<tr>
<td>1999-00</td>
<td>804</td>
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<tr>
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<td>922</td>
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<tr>
<td>2001-02</td>
<td>883</td>
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<td>2002-03</td>
<td>854</td>
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<td>2003-04</td>
<td>1,098</td>
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<td>2004-05</td>
<td>1,240</td>
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Est.
SB County Birth Rate Among Mothers
Age 15-19

Safety Net
MIA Program Costs

Safety Net

MIA Medical Costs
MIA Pharmacy Costs

- 99-00
- 00-01
- 01-02
- 02-03
- 03-04
- 04-05

- $0
- $2,000,000
- $4,000,000
- $6,000,000
- $8,000,000
- $10,000,000

MIA Medical Costs  MIA Pharmacy Costs
Partnerships: Strengthening the Safety Net

Hospital Partners
- Marian Medical Center
- Cottage Health Systems
- Goleta Cottage Hospital
- SY Cottage Hospital
- Lompoc District Hospital
- Rehab Institute at SB

Care Partners
- Private GP’s
- Private Specialists
- SBRHA
- Ambulance Providers
- Community Clinics

$5-7M General Fund
A Look at the Future

• Health Professional Shortage
  – ½ of Public Health’s 94 nurses plan to leave the County within the next 5 years

• Technology Advances
  – Digital Radiology
  – Electronic Medical Record (EMR)
What’s On the Horizon?

• Emerging Infectious Diseases
  – West Nile Virus
  – Pandemic Flu
  – Avian Flu

• Chronic Diseases
  – Asthma
  – Obesity-related conditions (Diabetes, heart disease, hypertension, etc.)
PHD Strategic Initiatives

• Correct the Structural Deficit
  – Relocate programs, evaluate service levels, streamline processes
  – Continue to secure new revenue sources

• Maintain access to care:
  – Specialty care access and inpatient care
  – Professional recruitment and retention

• Build infrastructure
  – Digital Radiology
  – Electronic Medical Record
  – Achieve appropriate clinic staffing levels
PHD Use of General Fund
FY 2004-05

- Human Services: 18%
- Indigent Health: 17%
- Communicable Diseases: 6%
- Safety Net: 17%
- EMS, Disaster: 6%
- Environmental Health: 4%
- Animal Services: 12%
- WIC & Nutrition: 5%
- Older Adults: 5%
- Maternal, Child, & Teen Programs: 8%
- Childrens Medical Services: 17%
Public Health Department
Revenue and Expenditure Trend

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<th>Year</th>
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Structural Deficit