# Access & Prevention:

Achieving a Healthy Balance

Dolores M. Malvitz, Dr.P.H.

- **(1)**
- Monitor health status to identify and solve community health problems



- **(2)**
- Diagnose and investigate health problems and health hazards in the community



- **(3)**
- Inform, educate and empower people about health issues

(nothing precludes community-based methods to do so)



- **4**
- Mobilize community partnerships and action to identify and solve health problems



- **(5)**
- Develop policies and plans that support individual and community health efforts



- **(6)**
- Enforce laws and regulations that protect health and ensure safety
- (inherently requires action in the community)



- **(7)**
- Link people to needed personal health services and assure the provision of health care when otherwise unavailable
- (access)



- **(8)**
- Assure a competent public health and personal health care workforce



- **(9)**
- Evaluate
   effectiveness,
   accessibility, and
   quality of personal
   and population-based
   health services



- **(10)**
- Research for new insights and innovative solutions to health problems
- (nothing precludes community-based research)



- Access only = 1
- Population-based approaches = 4
- Both = 5

BUT: Have DPH efforts been equal?

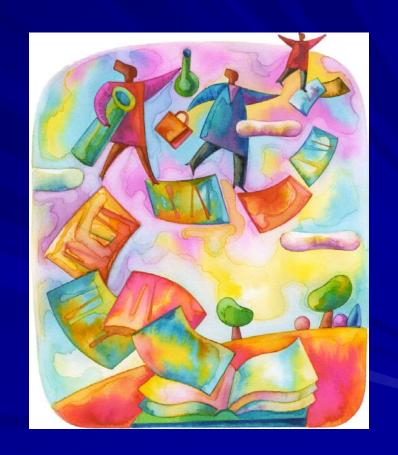


### **Access and Prevention**

"Science is the great antidote to the poison of enthusiasm and superstition."

--Adam Smith

Quoted in <u>Schott's Original</u>
<u>Miscellany</u>, by Ben Schott
(Bloomsbury, 2002) p. 114



# What's the problem?

Disproportionate emphasis on access to clinical, 1:1 care, given by a dental professional

# What's the problem?

- Disproportionate emphasis on access to clinical, 1:1 care, given by a dental professional
- Disease reduction: Mostly from water fluoridation and fluoride toothpaste

# What's the problem?

- Disproportionate emphasis on access to clinical, 1:1 care, given by a dental professional
- Disease reduction: Mostly from water fluoridation and fluoride toothpaste
- Need BOTH access and communitybased prevention—if equal, could we achieve more progress?

Other chronic disease programs have moved from clinical focus to more population-based approaches

- Other chronic disease programs have moved from clinical focus to more population-based approaches
  - Diabetes: Support for regular physical activity

- Other chronic disease programs have moved from clinical focus to more population-based approaches
  - Diabetes: Support for regular physical activity
  - Heart disease: Worksite interventions

- Other chronic disease programs have moved from clinical focus to more population-based approaches
  - Diabetes: Support for regular physical activity
  - Heart disease: Worksite interventions
  - SIDS: "Back to Sleep" social marketing campaign

- Other chronic disease programs have moved from clinical focus to more population-based approaches
  - Diabetes: Support for regular physical activity
  - Heart disease: Worksite interventions
  - SIDS: "Back to Sleep" social marketing campaign
- OH: Relatively little

# Perhaps . . .

• L... we in DPH have been making program decisions based on our enthusiasm and fervent beliefs, rather than on regular assessments of a strong science base?



Descriptive data may show improvement over time; patterns persist and consistent

- Descriptive data may show improvement over time; patterns persist and consistent
- Highest prevalence and severity:
  - Lowest incomes

- Descriptive data may show improvement over time; patterns persist and consistent
- Highest prevalence and severity:
  - Lowest incomes
  - Least education

- Descriptive data may show improvement over time; patterns persist and consistent
- Highest prevalence and severity:
  - Lowest incomes
  - Least education
  - Habit of tobacco use

- Descriptive data may show improvement over time; patterns persist and consistent
- Highest prevalence and severity:
  - Lowest incomes
  - Least education
  - Habit of tobacco use
  - Cultural, social, and genetic factors

### **Utilization of Care**

■ Highest among groups with the least disease. . . which came first?

### **Utilization of Care**

■ Highest among groups with the least disease. . . which came first?

What clinical care needed to maintain health and prevent disease?

#### **Utilization of Care**

■ Highest among groups with the least disease. . . which came first?

What clinical care needed to maintain health and prevent disease?

How much additional need could the care system accommodate?

# Trends, Next 20-40 Years

- Higher % elders (12% → 20%)
- Biggest increases in racial and ethnic groups with highest prevalence (example: 13% → 22%, Hispanic)

# Trends, Next 20-40 Years

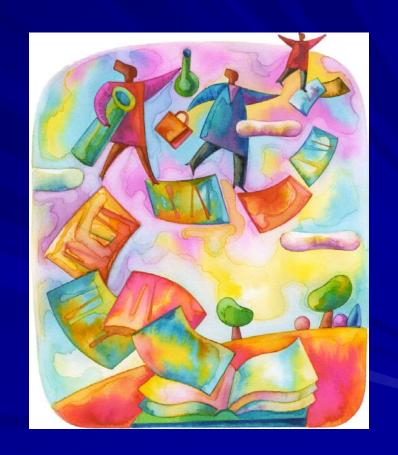
- Higher % elders (12% → 20%)
- Biggest increases in racial and ethnic groups with highest prevalence (example: 13% → 22%, Hispanic)
- Less generous fringe benefits
- Fewer labor unions
- Threats to "safety net" (MM)

### **Access and Prevention**

"Science is the great antidote to the poison of enthusiasm and superstition."

--Adam Smith

Quoted in <u>Schott's Original</u>
<u>Miscellany</u>, by Ben Schott
(Bloomsbury, 2002) p. 114



## What do we NOT know. . .

. . . that could help make the case for our programs?

### What do we NOT know . . .?

■ What prevents disease among high-risk groups (both efficacy *and* effectiveness)?

#### What do we NOT know . . .?

- What prevents disease among high-risk groups (both efficacy *and* effectiveness)?
- What treatment approaches are effective —and most cost-effective?

#### What do we NOT know . . .?

- What prevents disease among high-risk groups (both efficacy and effectiveness)?
- What treatment approaches are effective —and most cost-effective?
- How can we extend our efforts through collaboration?

#### What do we NOT know . . .?

- What prevents disease among high-risk groups (both efficacy and effectiveness)?
- What treatment approaches are effective —and most cost-effective?
- How can we extend our efforts through collaboration?
- What will foster adoption of interventions already judged effective?

■ Clues from the past. . .

- Clues from the past. . .
- Fierce competition for resources

- Clues from the past. . .
- Fierce competition for resources
- More documentation of ROI to society

- Clues from the past. . .
- Fierce competition for resources
- More documentation of ROI to society
  - Centrality of OH to "health"

- Clues from the past. . .
- Fierce competition for resources
- More documentation of ROI to society
  - Centrality of OH to "health"
  - Contribution to goals society values

- Clues from the past. . .
- Fierce competition for resources
- More documentation of ROI to society
  - Centrality of OH to "health"
  - Contribution to goals society values
  - Use of metrics that are widely accepted

- Clues from our past. . .
- Fierce competition for resources
- More documentation of ROI to society
  - Centrality of OH to "health"
  - Contribution to goals society values
  - Use of metrics that are widely accepted
  - Need research NOW, if want to use in 2010

Quality evidence as basis for interventions

- Quality evidence as basis for interventions
  - Already required, many public programs

- Quality evidence as basis for interventions
  - Already required, many public programs
  - Insurance coverage

- Quality evidence as basis for interventions
  - Already required, many public programs
  - Insurance coverage
- Much OH evidence does not meet current standards

- Quality evidence as basis for interventions
  - Already required, many public programs
  - Insurance coverage
- Much OH evidence does not meet current standards
  - Collaborate with others

- Quality evidence as basis for interventions
  - Already required, many public programs
  - Insurance coverage
- Much OH evidence does not meet current standards
  - Collaborate with others
  - Anecdotes not enough

#### An Old Truism

- If what you are doing is not achieving the results you seek, you have two choices:
  - Continue what you're doing. . .
  - Try something else



# Is it time for something else?



#### **Access and Prevention**

"Science is the great antidote to the poison of enthusiasm and superstition."

--Adam Smith

Quoted in <u>Schott's Original</u>
<u>Miscellany</u>, by Ben Schott
(Bloomsbury, 2002) p. 114

