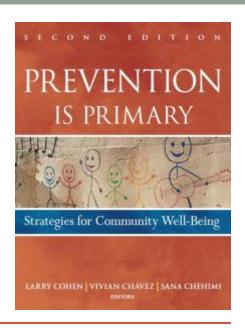
# TEACHING PREVENTION

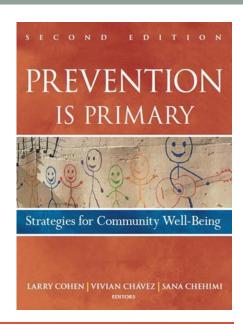


Strategies for Bringing Prevention to the Classroom

Welcome! We will begin shortly.



# TEACHING PREVENTION

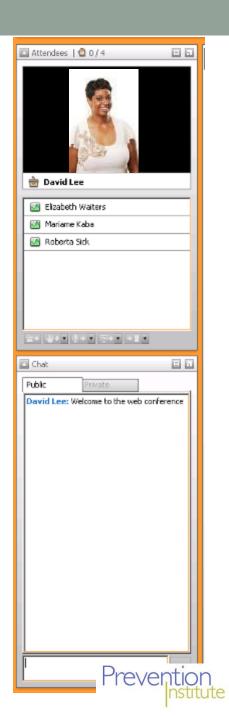


Strategies for Bringing Prevention to the Classroom



### How to use this technology

- Text Chat
- Q&A
- PowerPoint Slides



### Who is participating today?

- Please use your text chat function to let other participants know:
  - Your name
  - Your affiliation

Your city and state

 How many people are participating on your computer



### For assistance, please...

- Send a private chat to Carmen Johnson
- Call iLinc technical assistance at 1-800-799-4510



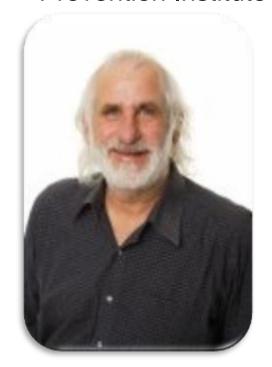
#### Feedback and Resources

- Survey
- Slides and recording
- Twitter hashtag: #preventionisprimary



### Hosts

Larry Cohen, MSW
Executive Director
Prevention Institute

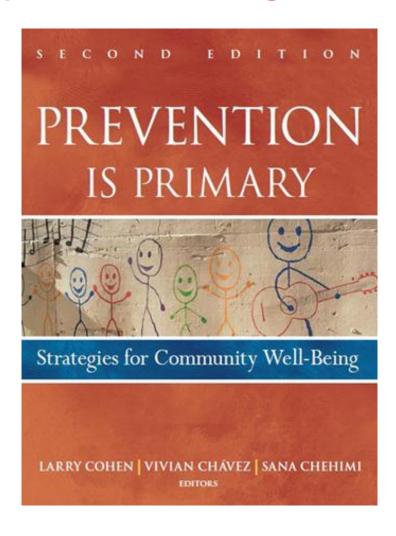


Sana Chehimi, MPH
Program Director
Prevention Institute





### Prevention is Primary: Strategies for Community Well-Being





### Objectives

- Understand the case for primary prevention
- Explore strategies for incorporating primary prevention into your courses
- Discover resources available to you









#### Presenters



Dr. Vivian Chavez, DrPH, MPH San Francisco State University



Dr. Daniel Perales, DrPH, MPH
San Jose State
University



Dr. Amin Azzam,
MD, MA

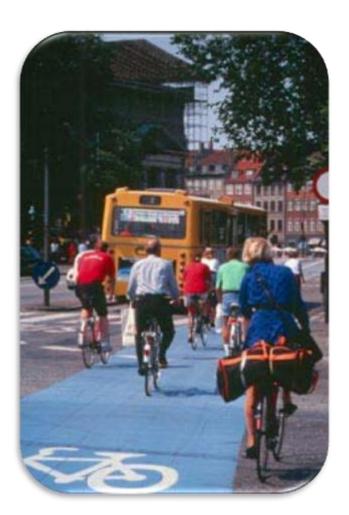
UC Berkeley/
UCSF Joint Medical
Program

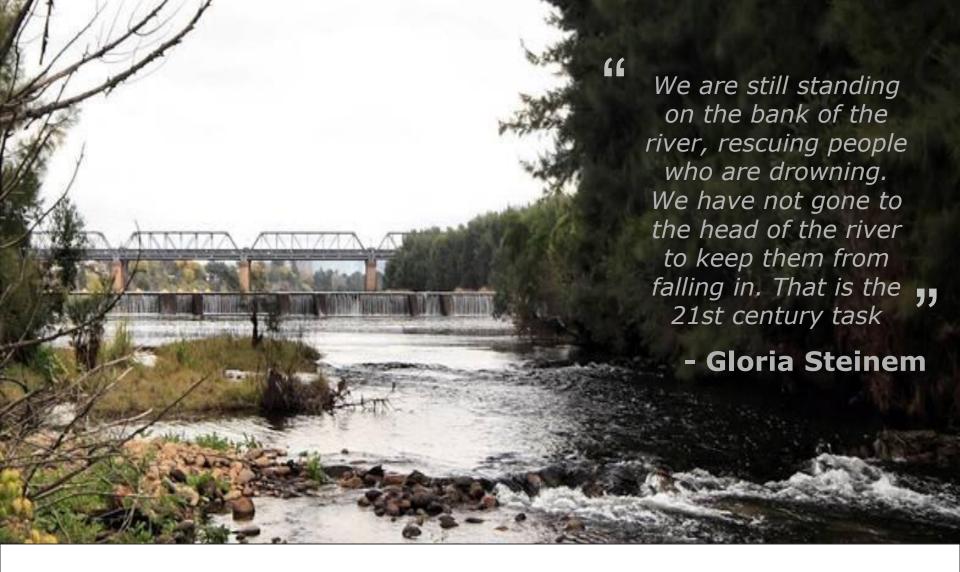


#### **About Prevention Institute**

- Primary prevention
- Changing norms and policies
- Focus on health equity







### Primary Prevention Takes Us Upstream

#### Vision

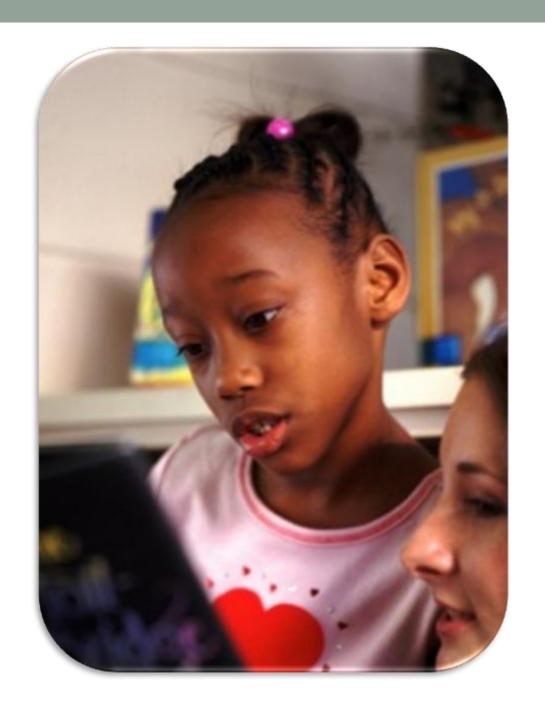
 A sustainable, comprehensive approach for health, safety and equity that emphasizes keeping communities healthy in the first place

















# Born in West Oakland, an African American person can expect to die almost 15 years earlier than a white person born in the Oakland Hills.







### For every \$12,500 in family income: One additional year life expectancy







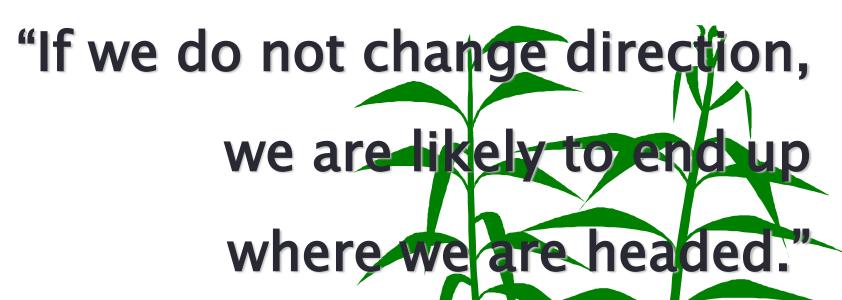
SOURCE: Life and Death from Unnatural Causes – Health and Social Inequity in Alameda County. Alameda County Public Health Department. August 2008

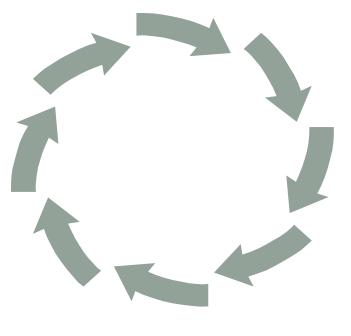
### Health Inequities



"Of all the forms of inequality, injustice in health is the most shocking and inhuman."

- Martin Luther King, Jr.





Chinese Proverb



### Leading Causes of Death in the U.S. Are Largely Preventable

1900	2000
1. Pneumonia and	1. Heart disease
influenza	2. Cancer
2. Tuberculosis	3. Stroke
3. Diarrhea, enteritis, and ulceration of the intestines	4. Chronic lower respiratory disease (incl. bronchitis,
4. Heart disease	emphysema, and
5. Stroke	asthma)
	5. Unintentional injuries

<sup>\*</sup> U.S. life expectancy increased from 49.2 years in 1900 to 77.1 years in 2000.



### Making Links to Exposures and Behaviors

Diet & Activity Patterns



**Heart Disease** 

**Tobacco** 

Cancer



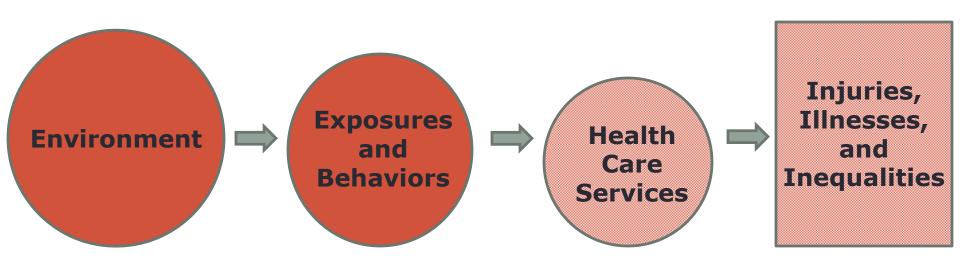


Stroke

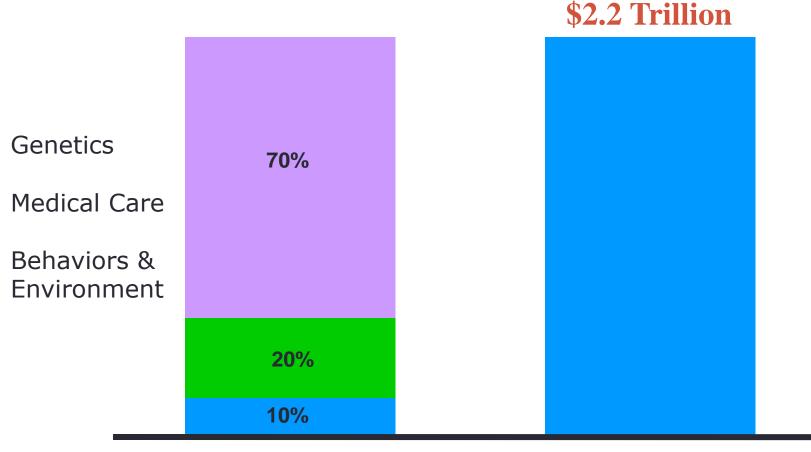
Diabetes

Injuries & Violence

### Linking Behaviors to the Environment



### Current U.S. Health Care Spending

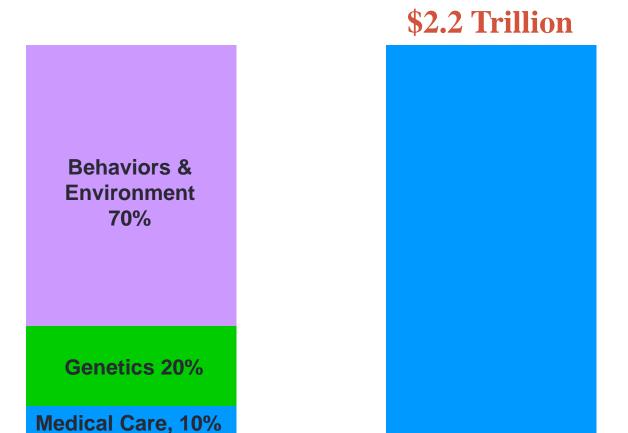


Factors Influencing Health

National Health Expenditures



### Current U.S. Health Care Spending



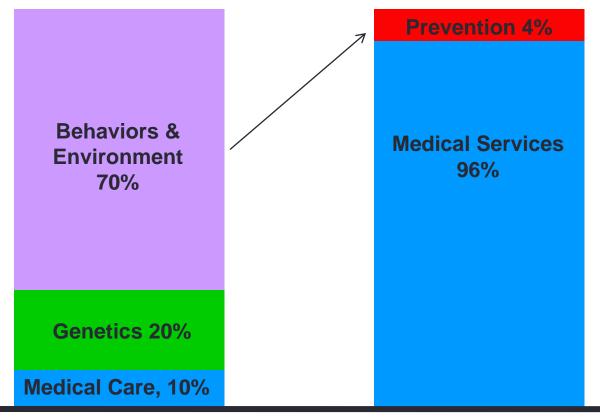
Factors Influencing Health

National Health Expenditures



### Current U.S. Health Care Spending





**Factors Influencing Health** 

National Health Expenditures

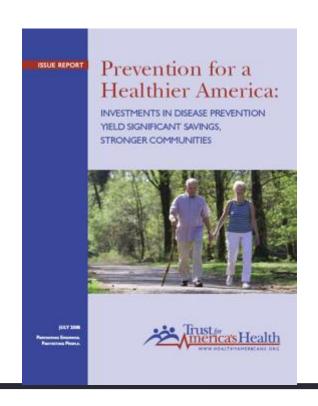


#### Return on Investment with Prevention

Savings at 2 years

\$1 Return on Investment

\$1 Investment





### Return on Investment with Prevention

Savings at 5 years

\$5.60 Return on Investment

\$1 Investment



### Return on Investment with Prevention

Savings at 5 Years

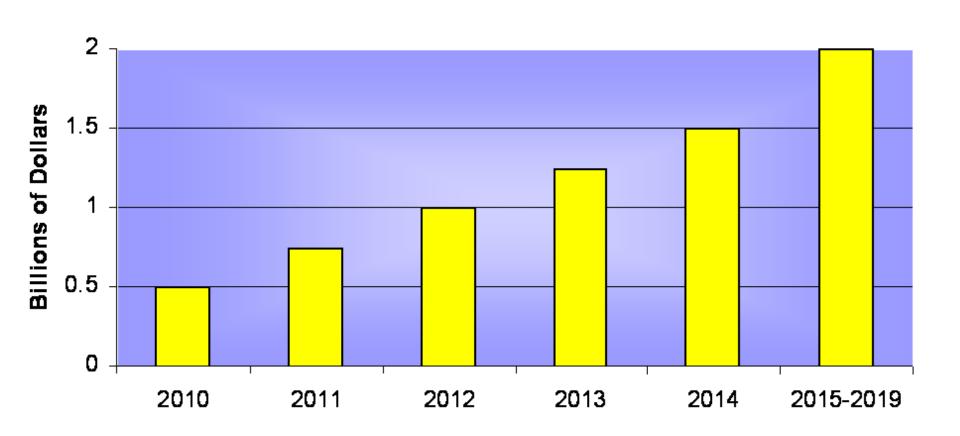
\$5.60
Return on Investment

\$1 Investment

\$16 Billion
Annual Savings
In 5 Years



### Prevention and Public Health Fund 2010-2019





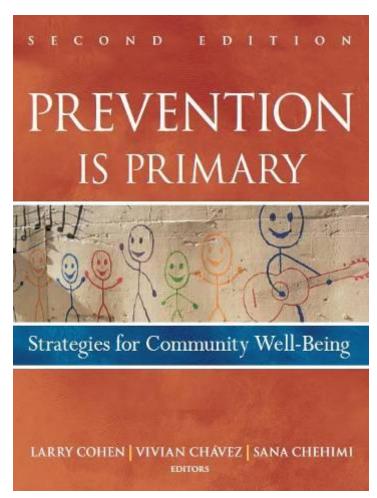
### Quality Prevention is the Catalyst for Change





### Prevention is Primary: Strategies for Community Well-Being, 2<sup>nd</sup> ed.

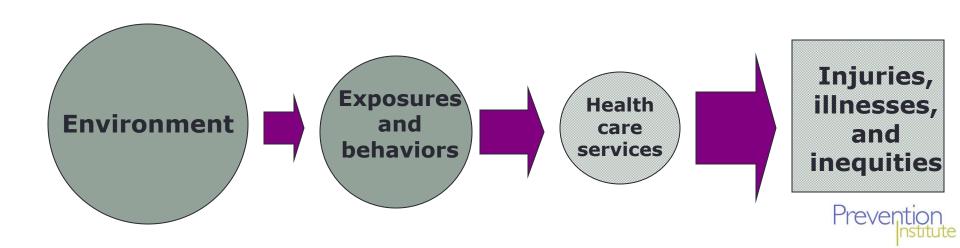
- Edited by Larry Cohen,
   Vivian Chavez, and Sana
   Chehimi
- Co-published by Wiley/Jossey-Bass and APHA
- 46 Expert contributors
- Updated in light of new national recognition for prevention





### Part 1: Defining the Issues

- Making the case for primary prevention
- Distinguishing among primary, secondary, and tertiary prevention
- The Spectrum of Prevention
- Social determinants of health



### The Spectrum of Prevention

**Influencing Policy and Legislation** 

Changing organizational practices

Fostering coalitions and networks

**Educating providers** 

**Promoting Community Education** 

Strengthening individual knowledge and skills



# Part 2: Key Elements of Effective Prevention Efforts

- Community organizing
- Working collaboratively
  - 8 steps to developing effective coalitions
- Using media advocacy to influence policy
- Impact of corporate practices on health and health policy
- Primary prevention and evaluation



## Enhancing Partnerships is Key



#### Part 3: Prevention in Context

- Environmental health and exposures
- The built environment
- Healthy food environments
- Preventing violence
- HIV prevention
- Mental health





#### Teaching prevention: essential components

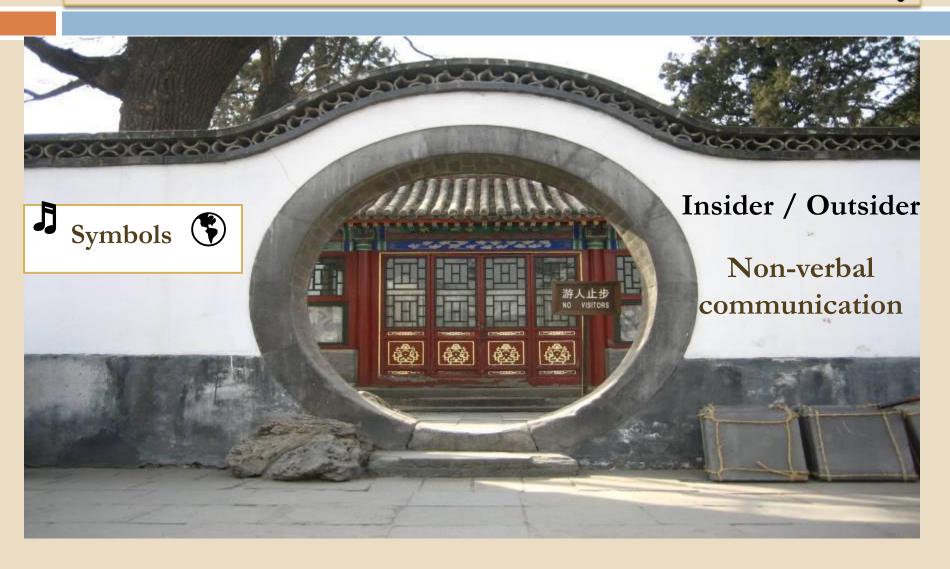
- Cultural Humility is fundamental
- Peer Education builds learning communities
- Student creativity integrating text readings
- Human Rights framework
- Resilience: personal/global
- Media Advocacy
- □ Nonviolence



# Diversity & Social Justice: The SF State of Mind



# Cultural Humility: by invitation only



#### "All people are born in dignity and human rights."



#### **Human Rights Framework**

Backman & Fitchett, The Lancet, March 2010

Educating health-care workers in human rights and the practical applications of the right to health is not only imperative for social justice, it is a morally powerful approach capable of transcending borders and directing health systems for the improvement of health.





#### **Embodying Resilience**

A resilient community is characterized by:

mutually caring relationships, high expectations, respect for all, especially those at the margin, active participation and social support.

Bonnie Benard, Prevention is Primary, p. 71

#### **Peer Education**

Honors diverse learning styles



- Students facilitate assigned readings show don't tell.
- Inclusion of students in multiple roles within the classroom fosters a sense of camaraderie & cohesiveness.
- Peer education emphasizes critical thinking skills as well as rhetorical skills of discussion, group collaboration, debate and public speaking.
- Pedagogy of Collegiality: faculty-student partnerships

# International Honors Program in HEALTH & COMMUNITY



- Traveling faculty ~ comparative approach in education.
- Students study a thematic topic in different countries.
- □ Globalization, Culture, Health Systems
   → PREVENTION and HUMAN RIGHTS.
- Why has health equity within and across countries widened, even as health care has discovered the causes of many illnesses and prevented many deaths?

#### Colorado School of Public Health

- Visiting scholar, health equity & cultural competence
- Preventive Medicine, Public Health Residency Program, UC Denver
- "Cultural Humility in Public Health Practice"
- Student diversity: preventive medicine residents,
   graduate students of public health & local physicians
- PREVENTION is PRIMARY to teach cultural humility

#### San Francisco State University

- Teaching Prevention through the lens of Community Organizing
- Master of Public Health Program at SFSU
- "Teaching Public Health Through a Pedagogy of Collegiality," Chávez, Turalba & Malik, American Journal of Public Health, 2006.

#### Dedicated to students, my colleagues

In appreciation for your ability to embody prevention and commitment to make a difference.

# Teaching Prevention: Strategies for Bringing Prevention to the Classroom

# Integration Prevention into Health Promotion Program Planning

By
Daniel Perales, DrPH, MPH
Professor of Public Health
San Jose State University

# Prevention in the SJSU MPH program

- Prevention is an important foundation for educating public health professionals
- Prevention is woven throughout the MPH program across many courses
- Focus of this presentation:
  - HS 200: Contemporary Practice: Public Health, Health Promotion and Community Health Education
  - HS 272: Health promotion planning and evaluation

# **HS 200: Contemporary Practice**

- Course developed by Kathleen Roe, SJSU professor and chair of the Department of Health Science.
- Description: Introduction to the philosophy, ethics, historical roots, and approaches of contemporary public health education and health promotion. Emphasis is on frameworks and strategies used in practice.
- The course is designed to provide a strong common foundation for the core MPH courses and to establish an orientation to graduate work.

### **Examples of Reading**

- Core textbook: <u>Prevention Is Primary.</u> Larry Cohen, Vivian Chávez, and Sana Chehimi.
  - **Chapter 1:** Beyond Brochures: *The Imperative for Primary Prevention*. Larry Cohen and Sana Chehimi. (Key concepts: Upstream/downstream; three levels of prevention, costs of health care, Spectrum of Prevention)
  - **Chapter 4:** The Hope of Prevention: Individual, Family, and Community Resilience. Bonnie Benard (Key concepts: Risk/resilience paradigms)
  - Chapter 5: Community Organizing for Health and Social Justice. Vivian Chávez, Meredith Minkler, Nina Wallerstein, and Michael S. Spencer. (Key concepts: community organizing, capacity building, wheel of community organizing)
  - Chapter 7: Working Collaboratively to Advance Prevention. Larry Cohen and Ashby Wolfe. (Key concepts: Coalitions, collaborative, social movements, effective coalitions).
  - **Chapter 11:** Preventing Injustices in Environmental Health and Exposures. Stephanie Ann Farquhar, Neha Patel, and Molly Chidsey. (Key concepts: precautionary principle, ethical concerns in CBPR).
  - **Chapter 14:** Strengthening the Collaboration between Public Health and Criminal Justice to Prevent Violence. Deborah Prothrow-Stith. (Key concepts: Public health vs medicine strategies, interdisciplinary challenges and responsibilities).

## **Examples of Reading**

- <u>Public Health: What It is and How It Works</u>. 4<sup>th</sup> edition. Bernard J. Turnock (2009).
- Milestones in Public Health: Accomplishments in Public Health Over the Last 100 Years. New York: Pfizer Global Pharmaceuticals.
- Institute of Medicine (IOM). (2003) Chapter 1: The Future of Public Health: Assuring America's Health and Chapter 2: The Future of Public Health: Understanding Public Health and its Determinants

# Reading (continued)

- The Open Society: Its Implications for Health Educators. Dorothy B. Nyswander (1966).
- Culture, health education, and critical consciousness. Collins O. Airhihenbuwa. (1999). (Key concepts: centrality of culture, cultural assumptions of health behavior intervention, African perspectives, Pen-3 Model)
- Bridging domains in efforts to reduce disparities in health and health care. Shiriki Kumanyika and Christiaan Mossink (2006). (15 pages) (Key concepts: Social epidemiology perspectives, population vs. disease perspective).
- A nationwide study of discrimination and chronic health conditions among Asian Americans. **Gilbert Gee, et al** (2007). (Key concepts: nationwide surveys, new variables, documenting disparities)
- Disparities in Smoking Between the Lesbian, Gay, and Bisexual Population and the General Population in California. Elisabeth P. Gruskin, et al. (2007) (Key concepts: LGBT disparities, research in LGBT communities).

### Assignments

#### Day in the Life Paper

- Each student writes a short story depicting the ways in which public health and prevention impacts him or her, from the moment they wake up until the end of the day.
  - Themes: clean water, clean food, seats belt, safe parks for exercise, etc.

#### Mini-Research Paper

• Allows students to conduct a review of the literature on a public health topic or issue of interest to them. The paper may be related to a topic or issue that they identified in the <u>Prevention Is Primary</u> book (e.g., primary prevention, ethics, disparities, social justice, etc.) or from the journal readings. First experience with 'serious' graduate level writing and APA style.

## Summary of HS 200

- Students leave well grounded in many important public health and prevention concepts including:
  - Social Ecological Model,
  - Social determinants of health,
  - historical contexts of current health issues and public health strategies,
  - Community Based Participatory Research,
  - Health education code of ethics, and
  - the spectrum of prevention.

## HS 272 Program Planning

• Theory and practice of developing community heath programs. Focus on program planning within the context of strategic planning, problem/needs assessment, setting of program goals and objectives, and approaches to program evaluation.

# **Examples of Reading**

- <u>Planning, Implementing, and Evaluating Health</u>
   <u>Promotion Programs</u>, McKenzie, James F., Neiger, Brad L.,
   & Thackery, R. Benjamin Cummings, 2009, Fifth edition.
- <u>Proposal Writing, Second Edition</u>. Coley, Soraya and Scheinberg, Cynthia A. Sage Publications, 2007.
- <u>Program Planning and Proposal Writing Expanded</u>
   <u>Version</u>, The Grantsmanship Center, Los Angeles, CA.
- Optional: <u>The Process of Program Evaluation</u>, The Grantsmanship Center, Los Angeles, CA.
- Optional: <u>Evaluation Fundamentals: Insights into the Outcomes, Effectiveness, and Quality of Health Programs</u>

  2<sup>nd</sup> Edition. Arlene Fink June 2004. Sage Publications.

## Assignments

#### Community Needs Assessment

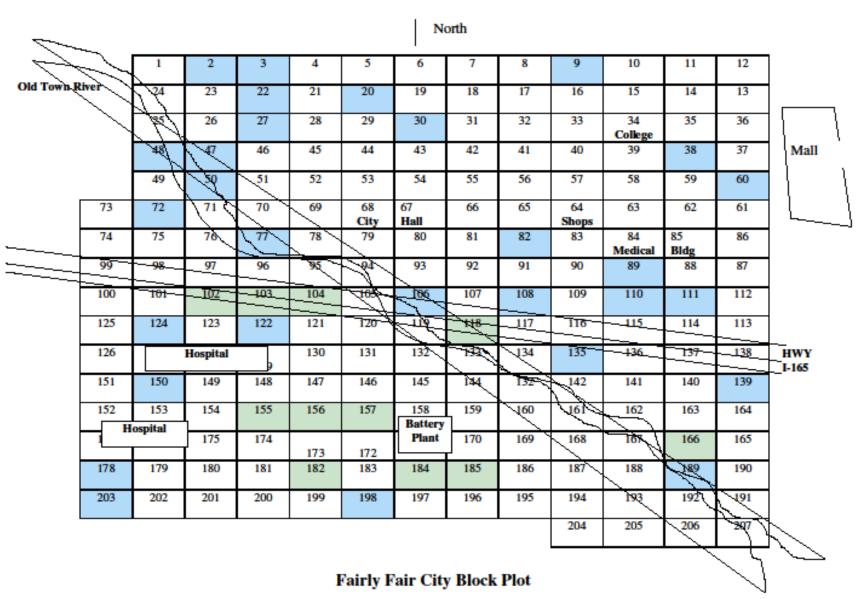
- Students examine health data and social indicators that are derived from a fictitious community. The purpose of the assignment is for students to examine data and then identify the important health and social conditions of a particular population that may contribute to those problems.
- Rationale: To understand how to use community assessment data and information to develop goals and objectives for prevention.

#### **FAIRLY FAIR DATA FILE**

FAIRLT FAIR DATA FILE																	
	V1	V2	V3	V4	V5 Average	V6 Diagnose d	V7	V8	V9	V10	V11	V12	V13	V14	V15	V16	V17
1 1			Median		Family	Mental	Narcotics	l	Violent	Mental	Infant	<b>I</b>	Average	Visits to	Per1	100,000	POP.
City	Predominan		Home	Median	Income	Illness	Arrests	Suicides	Crime	Retardatio	Mortality	Populatio		Physician			
1	t					l				n		'n			Deaths	Deaths	Deaths
Block	Radal	Median	Value in	Years of	Per Year	Per 1000	Per 1000	Per 1000	Per 1000	Per 1000	Per 1000	Density	Hospital	Per 100	Heart	_	
Number	Group	Age	\$1,000s	School	\$1,000s	Per Month	Per Month	Per Year	Per Month	Births	Births	Per Block	Per Visit	People	Disease	Cancer	Influenza
135	Blues	18 23	75 75	13 12	15 18	16	51 5	5 7	2	60 60	0	400 240	5 15		32	5 8	
203	Blues	23	75	12	18	16	4	7	6	60	4	270	15	40	32	10	10
106	Blues	66	75	6		23	1	4	5		10		30		3000	900	200
60	Blues	20	80	15		6	51	3			_	450	5		2		
110	Blues	24	80	11	18	16	5						15		33		
82	Blues	62	80	9		20	0						20		2700	750	
38	Blues	19	85	14	16	5	50	2	3	5	2	500	4	30	1	6	
139	Blues	24	85	10	19		3	8	4	60	5	260	16	40	33	8	
108	Blues	64	85	7	20	22	0						25		2900	850	
189	Blues	25	90	9	23		5		5				17		34		
89	Blues	63	90	8	44	21	1	2	4	9	12		22	390	2800	800	200
20	Blues	28	100	15	22	15	32	6	2	28	1	90	4	100	70	40	15
2	Blues	29	125	14	36	16	30	4	0	29	3	80	4	90	70	45	15
122	Blues	29	125	14	24	16	30	4	0	29	1	80	3	90	70	45	10
150	Blues	29	125	14	36	16	30	6	1	29	2	80	4	100	70	45	5
22 198	Blues	30	150 150	13 13	37 36	15 15	27 27	4	2	30 30	3	70 70	3		90 90	50 50	20 5
198	Blues	31	175	12	42	16	29	5			3	70	3		90		
30	Blues	31	175	12	41	17	29	6			1	70	4		90		
124	Blues	31	175	12	40	17	29	5			+	70	2		90		
27	Blues	32	175	11	42	18	28	5			2		4		100	55	
111	Blues	26	195	8	25	18	4	9			_	250	17		35		
178	Blues	32	200	11	42	18	28	4	2				4		100	55	
48	Blues	47	200	20	46	0	41	15					1		350	200	14
77	Blues	49	210	19	49		40	16					2		400	240	15
72	Blues	51	215	17	51	1	39	15	1	9	1	15	3	210	430	250	14
47	Blues	50	220	18	51	1	38	16	0				3		420	250	15
50	Blues	52	225	16	52	2	39	16			_		4		450		15
182	Greens	13	55	9	8	28	61	16			20		22		2		
104	Greens	23	55	11	10	28	61	16	20		15		22		3		
157	Greens	14	60	10	9		60	17	18		21	650	21	2	2		
185	Greens	14	60	10	8	29	60	17	17		19		21	2	2		
155	Greens	15	65	11	10	30	59	18	22	180	20	640	27	3	2		
166 156	Greens Greens	15 17	65 66	10 11	10 12	30 31	59 57	18 20	22 20	180 200	19 15		29 19		3		
184	Greens	16	70	12	15	31	58	19	20	190	18		35	0	3	10	50
103	Greens	28	70	12	16	9	5	6	5	70	9		19	10	4	7	15
102	Greens	29	70	13	18	10	6	7	5	60	10		15	30	5	_	
118	Greens	30	75	14	20	11	6	8	4		10		10		5		
. 10	· /4\ THe bil								(2) CH-I				4				

To sort: (1) Highlight all data only (not the column labels), (2) Click Table, (3) Click Sort, (4) Choose Columns to sort (indicate number or text in Type) (5) print table, (Note above table is sorted by race and home value)

H.S. 272



## Supporting Concepts

- Planning is not just problem/Need focused
- **Asset-Based Community Development**: John L. McKnight & John P. Kretzmann, Institute for Policy Research, Northwestern University
- Primary Building Blocks -- Assets and Capacities Located Inside the Neighborhood, Largely Under Neighborhood Control:
  - Individual Assets (Skills, talents, and residents' experiences, individual businesses, etc.)
  - **Organizational Assets** (Cultural organizations, Citizens associations, business associations, faith community, etc.)
- Secondary Building Blocks -- Assets Located within the Community but Largely Controlled by Outsiders
  - **Private and Non-Profit Organizations**: Higher education institutions, Hospitals, Social service agencies
  - Public Institutions and Services: Public schools, Libraries, Fire departments, Parks, law enforcement,
  - Physical Resources: Vacant land, commercial and industrial structures, housing
- Potential Building Blocks -- Resources Originating Outside the Neighborhood, Controlled by Outsiders
  - Social and health services services expenditures
  - Public capital improvement expenditures
  - Public information

# Planning Brief Paper

- Planning Brief Assignment
  - Students to write an **outline of their Program Plan** (i.e., Proposal) on a health topic of their choice.
  - Briefly describe **problem/need**, **goals**, **objectives**, and basic prevention intervention approaches grounded in at least two of the six levels of the **spectrum of prevention**; 1) strengthening individual knowledge and skills, 2) promoting community education, 3) educating providers, 4) fostering coalitions and networks, 5) changing organizational practices, and 6) influencing policy and legislation.
  - **Core component** is program goals and objectives with a measurable outcome that **focuses on prevention**.

Health Issue: Rising Incidence of HIV/AIDS in African American women over age 50 in the rural Deep South

Goal: To increase safe sex behaviors in rural African American women over age 50 in 77 counties in Alabama, Georgia, and Mississippi

PROJECT PERIOD: July 1, 2008 – June 30, 2010

Process			Impact (Intermediate Effect)	Outcome		
1.	By August 1, 2008, an SRBWI HIV/AIDS Task Force will be created to plan and monitor implementation of The Hen House Project throughout the priority population.	1.	Four months after completing The Hen House SISTA program, 90% of program participants will be able to a) identify three high risk sexual	1.	By June 30, 2010, 50% of participants in The Hen House Project will report a 75% increase in the use	
2.	By September 1, 2008, the Task Force and the SRBWI New Visions Program will collaborate in production of a culturally sensitive HIV prevention social marketing campaign for the priority population.		behaviors associated with HIV transmission, b) list the cultural and gender triggers that affect safe sex negotiation, and c) demonstrate proper condom-use skills at the second		of safe sex behavior skills.	
3.	By November 1, 2008, two co-facilitators and one Project Coordinator from each state will be recruited and trained to conduct The Hen House Project for the priority population in their respective states.	2.	booster session.  Six months after completing The Hen House SISTA program, a telephone survey will indicate that 75% of participants will report increased self-			
4.	Three months after the SRBWI Hen House Project has ended, one CBO partner in each state will incorporate ongoing SISTA programs in to their annual budget.		efficacy in the use of sexual assertion skills to negotiate safe sex behaviors with their partners.			

## Program Plan

- Students write an individual 50-80 page program plan that builds on the previous assignments and contains, at a minimum, the following sections:
  - cover letter
  - problem statement,
  - goals & objectives,
  - intervention methods (behavioral, policy, environmental, educational, organizational change, etc.)
  - theoretical basis,
  - evaluation plan, and
  - program budget.

#### Core Objectives: Prevention Program Plan Examples

	<u> </u>		
Goal	Process	Impact	<b>Prevention Outcome</b>
Oral Health: To improve the oral health of the senior population of Santa Teresa Living Community through improved oral hygiene skills and dental hygiene preventive care.	By January 15, 2009, conduct 2 weekly educational sessions on dental health to the senior home care staff and residents.	By February 15, 2010 50% of the senior home residents have made an appointment to have a preventive care in the dental hygiene clinic.	By August 30, 2010, 70% of the residents of the living facility will have visited the dental hygiene clinic and shown a 50% reduction of plaque index report.
Child Obesity: To promote healthy eating and exercise among fifth and sixth grade in Bret Harte Elementary School.	By March 2010, Bret Harte Elementary School teachers will deliver 40 hours health and physical education curriculum to 500 students.	By January 2012, 80% of the children who participated in the program will eat 3 to 5 cups of fruit and vegetables a day and exercise at least 60 minutes every day.	By January 2012, 70% of the children who participated in the program will maintain a healthy weight with a BMI score between 18.5 and 24.9.
Fall Prevention: To reduce the number of falls experienced by senior patients discharged from Mercy hospital to an independent living setting	By May 30, 2011, 300 senior patients age 65 and older being discharged to home will receive fall prevention interventions.	During 2 follow up phone interviews at 1 week and 1 month, 90% of 150 senior patients state their predischarge fall risk level and describe 3 self-directed measures to prevent falls after discharge.	By September 30, 2011, 90% of 150 patients will state by phone interview they have not fallen in the 30 days following discharge from the hospital.

# HS 272 Summary

- Course weaves prevention throughout the semester through assignments that include:
  - Community needs and asset assessment
  - Prevention focused goals and objectives
  - Intervention strategies grounded in individual behavior, community, and organizational change theory and supported by the Spectrum of Prevention
  - Evaluation that involves the community and produces information that is useful to the community.

# Thank you

# Teaching Prevention: Strategies for Bringing Prevention into the Classroom Medical

Amin Azzam, MD, MA

UC Berkeley – UCSF Joint Medical Program (JMP)

#### Outline

- 1. Medical School Structure
- Problem-Based Learning (PBL) as a pedagogical approach
- 3. PBL at the UC Berkeley UCSF Joint Medical Program (JMP)
- 4. The JM Public PBL case
- 5. Measuring Impact
- 6. Next steps

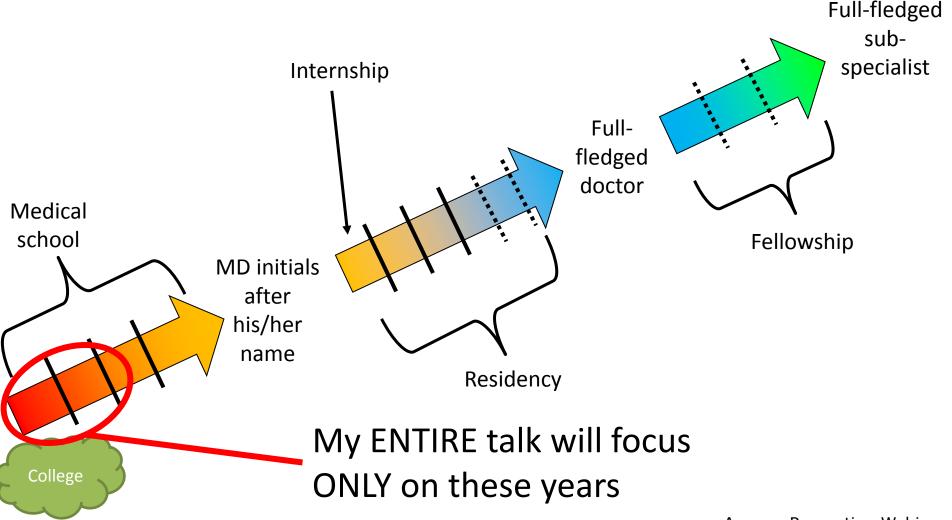


Azzam: Prevention Webinar

- 1. Medical School Structure
- Problem-Based Learning (PBL) as a pedagogical approach
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# From college kid to professional



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### What exactly is PBL?

1. Students should be organized into small groups with a tutor.

(in contrast to large lecture-based groups)

2. Learning must be student-centered.

(in contrast to instructor-centered teaching)

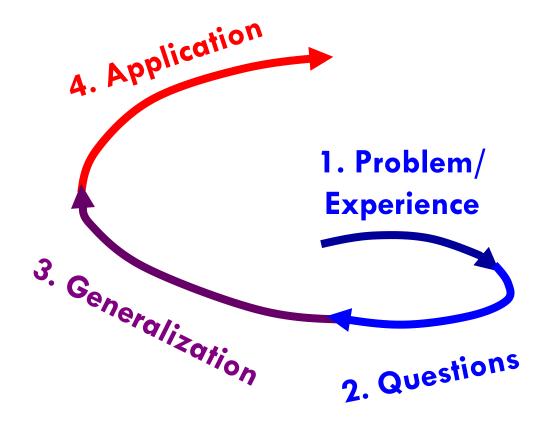
3. The tutor must act as a facilitator or guide.

(as opposed to a knowledge or content expert)

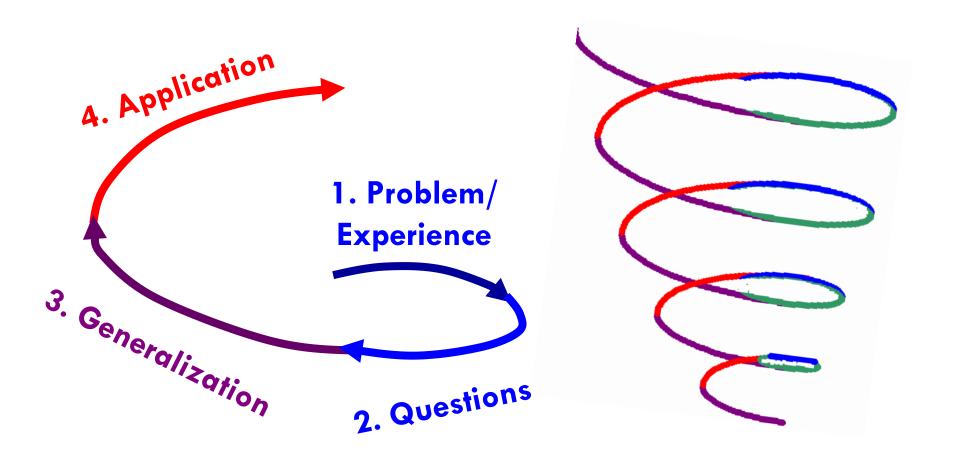
### What exactly is PBL?

- Problems based in the practical world must be presented at the beginning of the learning process.
- The problems should serve as a tool for the acquisition of both knowledge and general problem-solving skills.
- 6. Content knowledge should be acquired via self-directed learning.

### The PBL curriculum: an iterative process



### The PBL curriculum: an iterative process



# Variation in use of PBL in pre-clerkship medical school years

No. (%) of US Medical Schools	Percentage of curriculum
39 (45)	< 10 %
28 (33)	10 – 25%
14 (16)	26 – 50%
5 (6)	51 – 75%

Kincade S. "A Snapshot of the Status of Problem-Based Learning in U. S. Medical Schools, 2003–04." Acad Med. 2005; 80:300–301.

School	Description	Percent of overall curriculum in 2009
UCSF	8 cases over 2 years	< 5 %
U Colorado Denver	2 hours / week	8 %
UCLA	4 hours / week	17 %
UC Berkeley JMP	7.5 hours / week	100 %

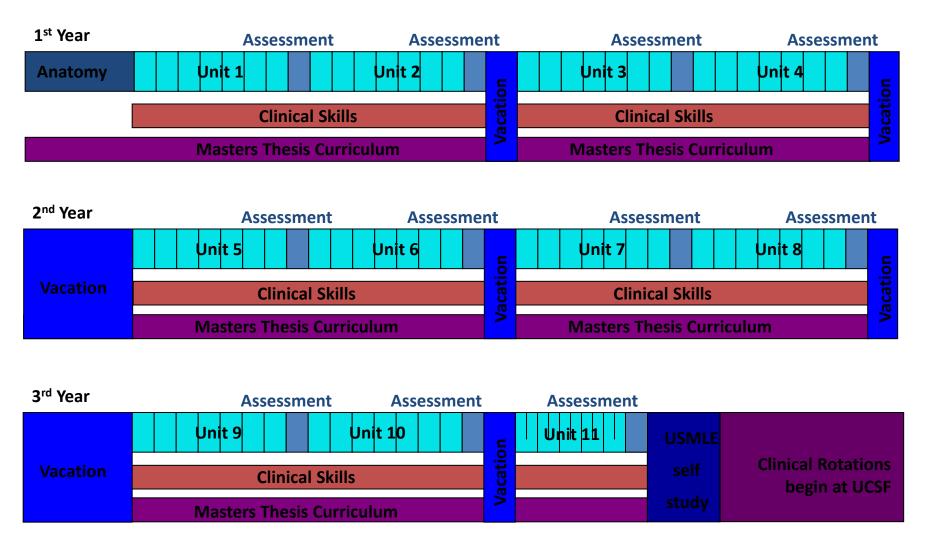
"Problem-based Learning: Variations in missions, implementations, and outcomes among four medical schools."

Workshop at AAMC WGEA Regional Meeting 2009.

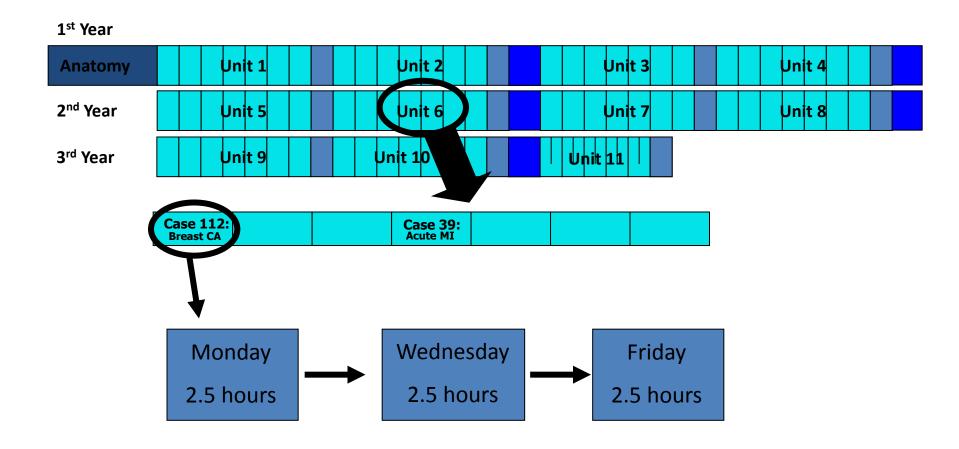
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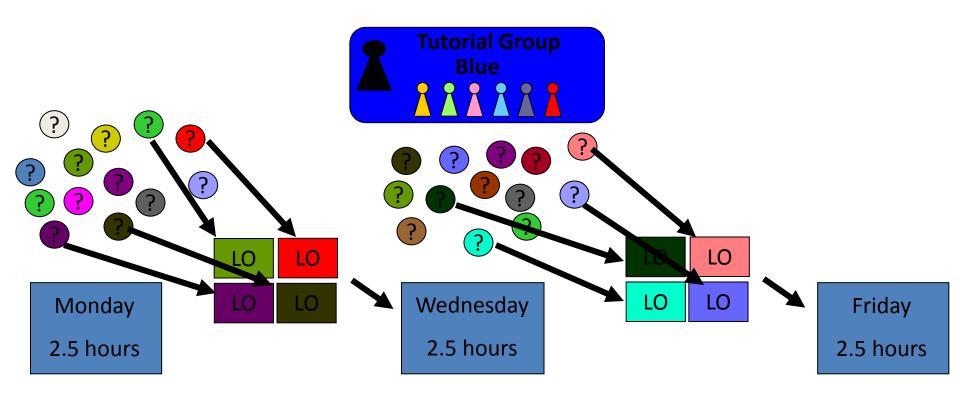
# JMP Pre-clerkship Curriculum



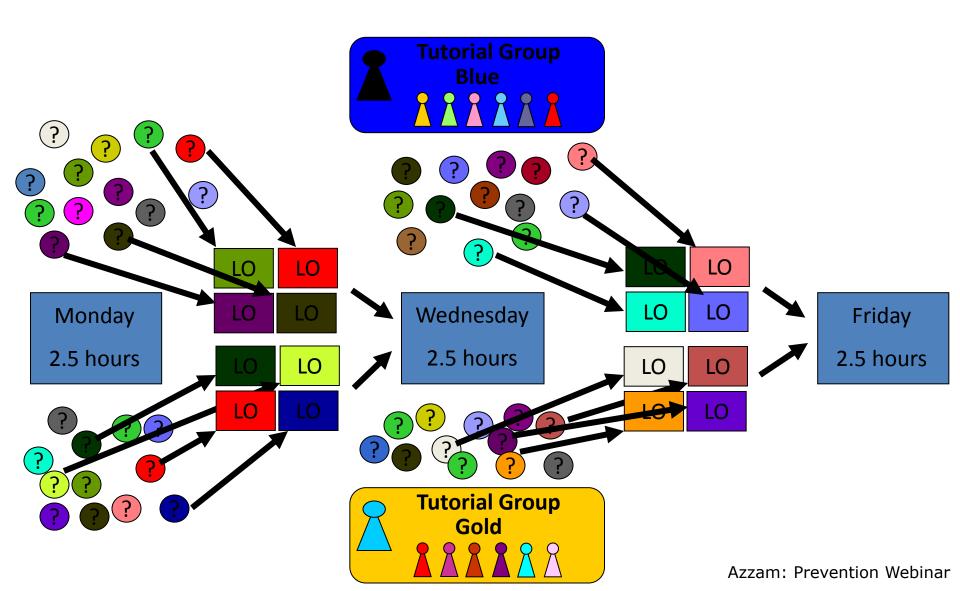
### Typical JMP PBL Case



### CICBC nuts & bolts



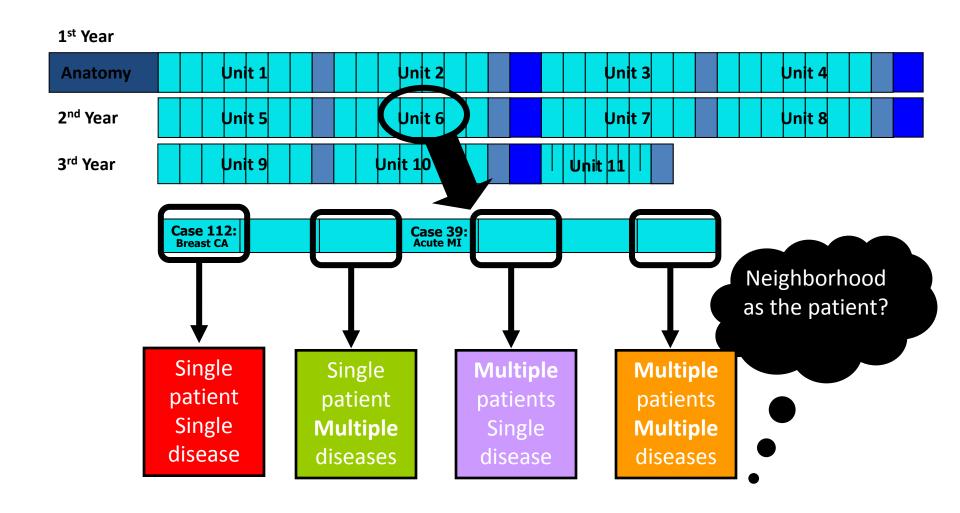
# The structural "magic"



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#### Public Health in the cases?



#### JOINT MEDICAL PROGRAM

University of California Berkeley School of Public Health

Case No. 505



#### JM Public

Original Case Written by: Cora Hoover, MS, MD, MPH; Candice Wong, MD, MPH, PhD; Amin Azzam, MD, MA

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### "JM Public" PBL Case

- Richmond, CA "Iron Triangle" neighborhood
- Case "protagonist" is a newly minted MD new to the neighborhood primary care clinic
- Begins with a routine outpatient visit by a child who has asthma and obesity
- Progresses to the MD attending a community organizing meeting
- Concludes with the MD contacting the county Public Health Department to build collaborative ties

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#### Core Public Health Content

- Association of American Medical Colleges (AAMC) and Centers for Disease Control & Prevention (CDC) jointly sponsored Regional Medicine-Public Health Education Centers (RMPHECs)
- The RMPHECs drafted "Population Health Competencies" for Medical Students

- There are a total of 12 Competencies
- All graduates from medical school should demonstrate the following competencies to contribute to improving the health and health care for defined populations (e.g. their patient panels, local communities, states, nations, and global regions)

- 1. Assess the health status of populations using available data...
- Discuss the role of socioeconomic, environmental, cultural, and other population-level determinants of health...
- 3. Integrate emerging information on individuals' biologic and genetic risk with population level factors...
- 4. Appraise the quality of the evidence of peer reviewed medical and public health literature...

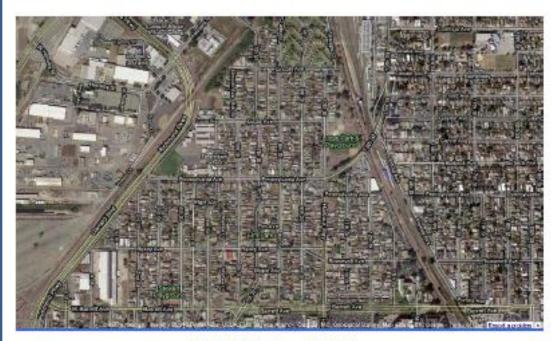
- 5. Apply primary and secondary prevention strategies that improve the health of individuals and populations.
- Identify community assets and resources to improve the health of individuals and populations.
- 7. Explain how community-engagement strategies may be used to improve the health of communities...
- 8. Participate in population health improvement strategies...

- Discuss the functions of public health systems including those that require or benefit from the contributions of clinicians...
- 10.Describe the organization and financing of the U.S. health care system, and their effects on access, utilization, and quality of care...
- 11. Discuss the ethical implications of health care resource allocation and emerging technologies...
- 12.Identify quality improvement methods to improve medical care and population health. Webi

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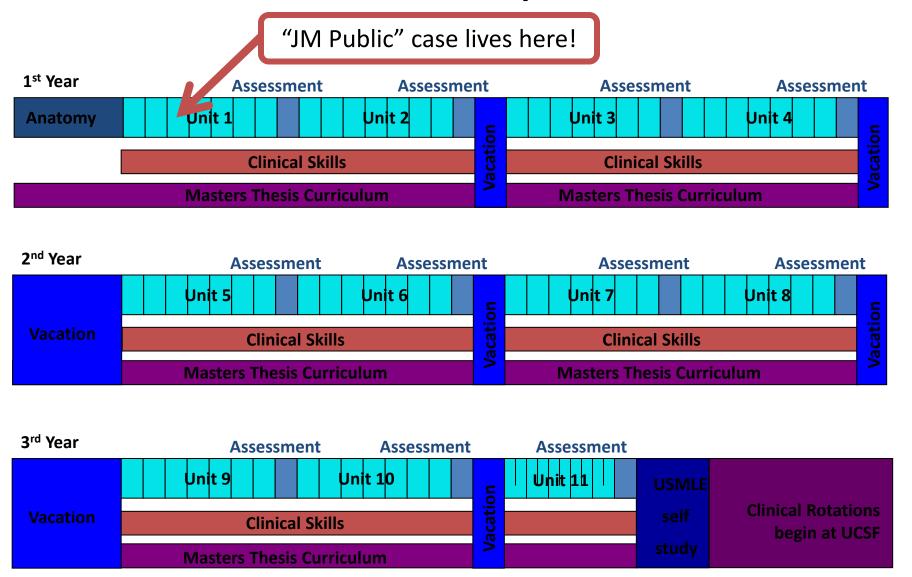
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So when the students are "in the driver's seat," do they actually choose to cover any of these core public health topics?

Preliminary data suggests:

11 of 12 topics are
covered at least
superficially across the
29 handouts the 16
students created for
each other

### JMP Pre-clerkship Curriculum



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### **Next Steps**

- JMP Public Health Committee tasked with looking for other areas to "infuse" these topics into the curriculum
- Dissemination! (hence this webinar)
- Exploration with other interested medical education communities
  - Ways to incorporate into your curriculum?

Amin Azzam@berkeley.edu

### **Question and Answer**





www.preventioninstitute.org

221 Oak Street
Oakland, California 94607
phone: 510-444-7738 fax: 510-663-1280

