



The Public Health Institute

Current state of public health practice,
policy, and research

Mary A. Pittman, DrPH, President & CEO



The Public Health Institute is dedicated to promoting health, well-being and quality of life for people throughout California, across the nation and around the world.

Where We Work

PHI supports

> 700 staff

> 80 programs

> In 26 countries
around the world



Our Structure



Our Approach



Partnerships



**Capacity Building
& Leadership**



**Policy &
Advocacy**



**Research &
Evaluation**



**Training &
Technical
Assistance**



**Leveraging
Technologies**



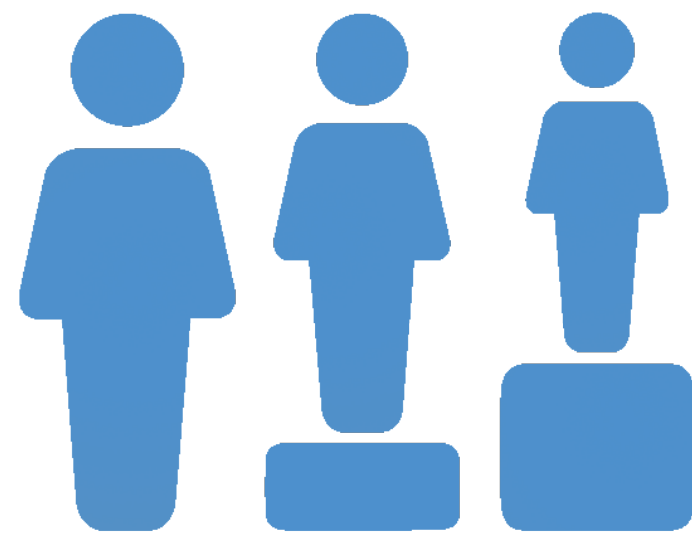
**Coalition
Building &
Convening**



**Outreach &
Dissemination**



Our Priority: Health Equity



FACING FACTS



Americans Spend Twice as Much on Health Care as Citizens of Other Developed Countries

Yet we have shorter life expectancies, and higher rates of infant mortality and diabetes.



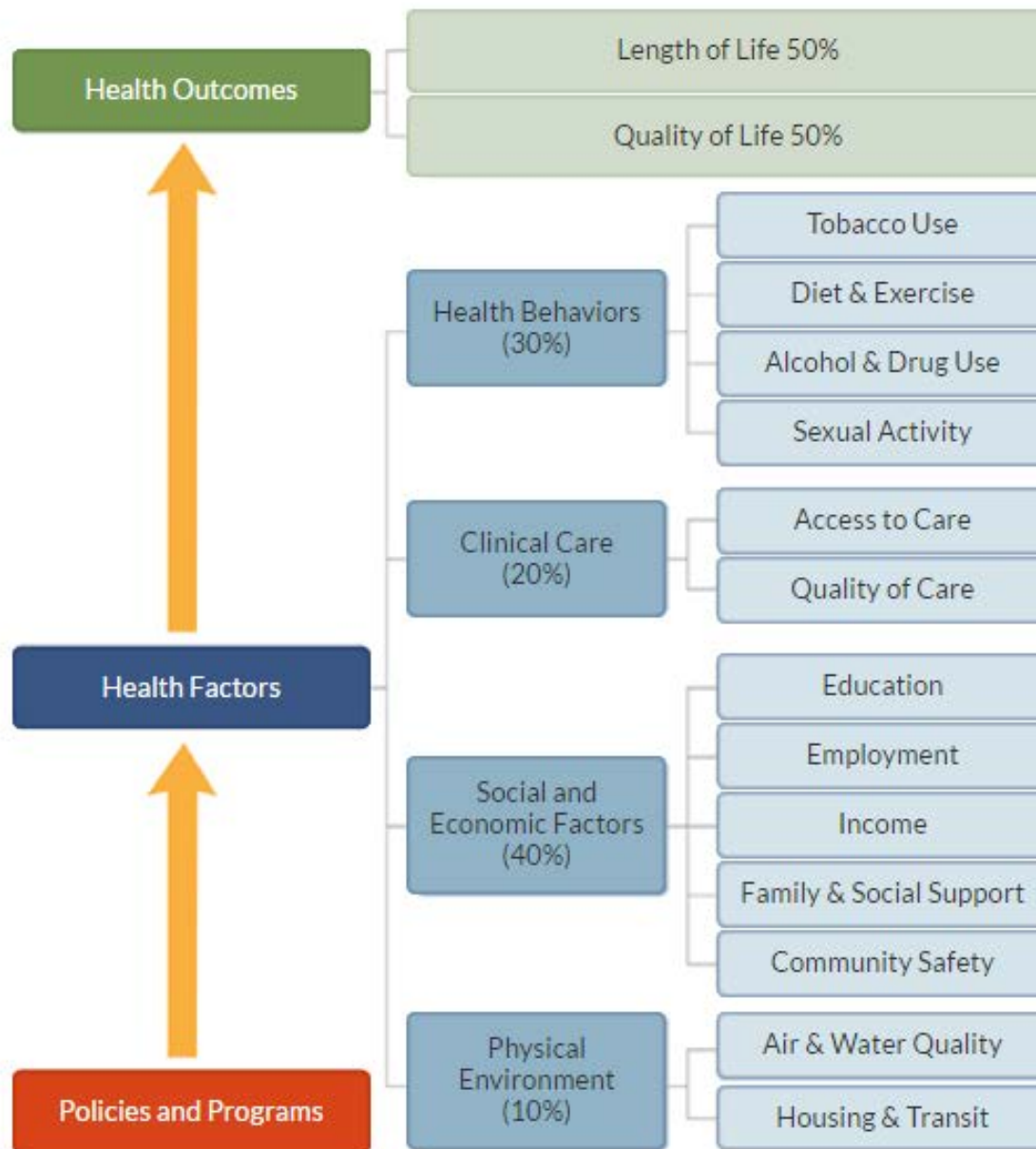
Chronic Disease Dominates Health Care Costs

Chronic diseases account for 86 percent of U.S. health care costs and affect 50 percent of the adult population.



Social, Environmental, and Economic Factors

Where people live, work, learn, and play has a greater influence on their health than what goes on in the doctor's office, yet the health care system bears the brunt of these problems when they ultimately lead to poor health outcomes.



County Health Rankings model © 2014 UWPPII

	Alameda County	Trend	Error Margin	Top U.S. Performers	California	Rank (of 57)
Health Outcomes						8
Length of Life						13
Premature death	4,800		4,600-4,900	5,200	5,200	
Quality of Life						13
Poor or fair health	11%		11-11%	12%	18%	
Poor physical health days	3.0		2.9-3.1	3.0	3.6	
Poor mental health days	3.2		3.1-3.3	3.0	3.6	
Low birthweight	7%		7-7%	6%	7%	
Additional Health Outcomes (not included in overall ranking) +						
Health Factors						6
Health Behaviors						7
Adult smoking	10%		10-10%	14%	12%	
Adult obesity	20%		18-22%	26%	23%	
Food environment index	7.7			8.4	7.8	
Physical inactivity	16%		14-18%	19%	17%	
Access to exercise opportunities	100%			91%	94%	
Excessive drinking	17%		17-17%	12%	18%	
Alcohol-impaired driving deaths	30%		27-32%	13%	29%	
Sexually transmitted infections	456.9			145.5	459.9	
Teen births	20		19-20	17	29	

Population Health

Medical Model Population Health

Assess patient health status



Ensure timely access to clinical services and medications



Clinical case management through team-based care



Patient education



Use EMR to ID and group risk populations, monitor service utilization and patient outcomes



Worry about persistent patient noncompliance



Place-Based Population Health

Assess patient health status, ***social and environmental risk factors***

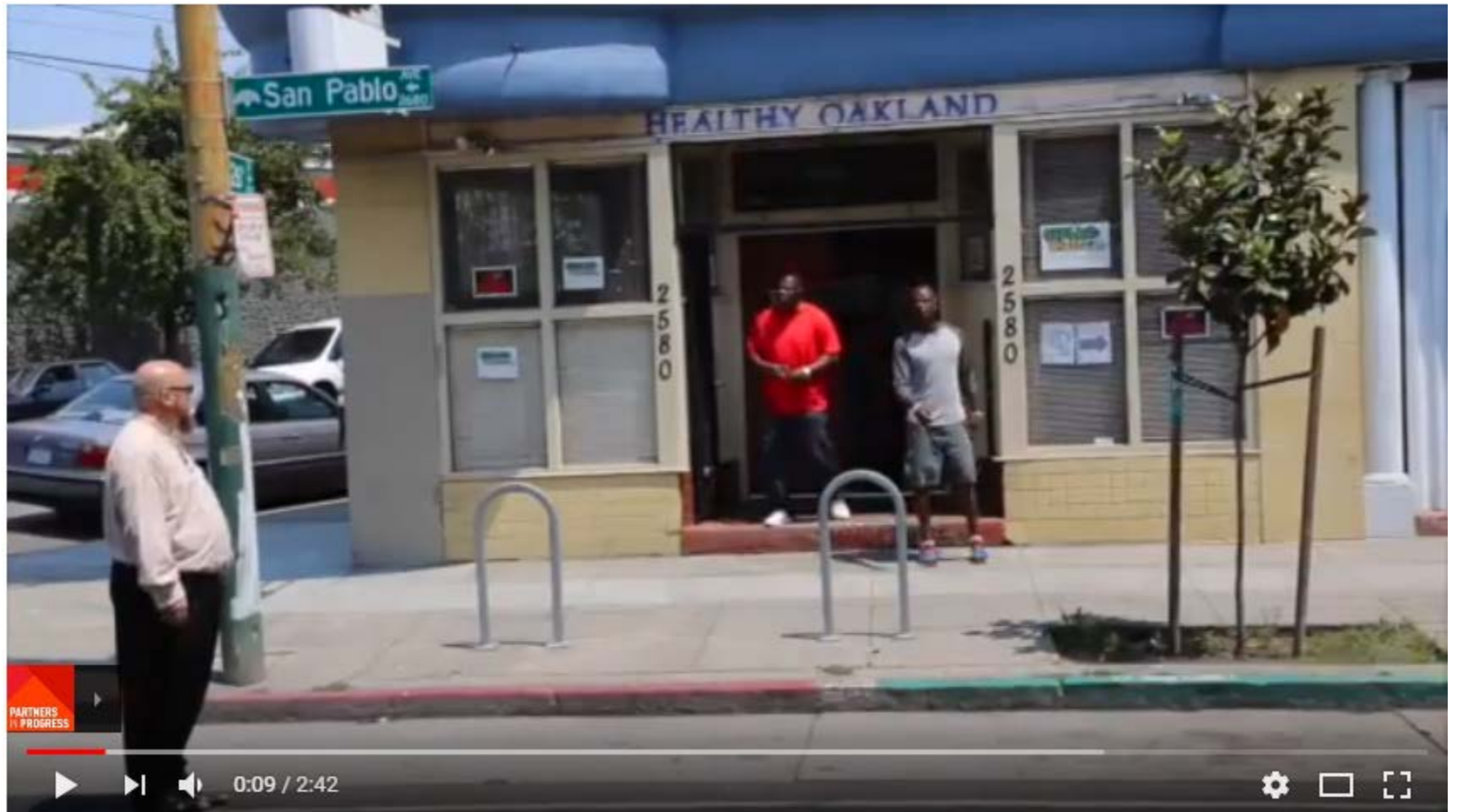
Ensure access to clinical services ***& link to social support systems***

Case management through clinical and ***community-based teams***

Community-based education, ***problem solving, and advocacy***

Use ***EHR*** and ***GIS*** to identify geo conc. of ***health disparities, target interventions, &*** monitor population health outcomes

Leverage HC resources through ***strategic engagement*** of diverse stakeholders



THE CHALLENGES



The emerging evidence base around prevention is **fragmented and lacks cost metrics**, which are very important to policy makers.



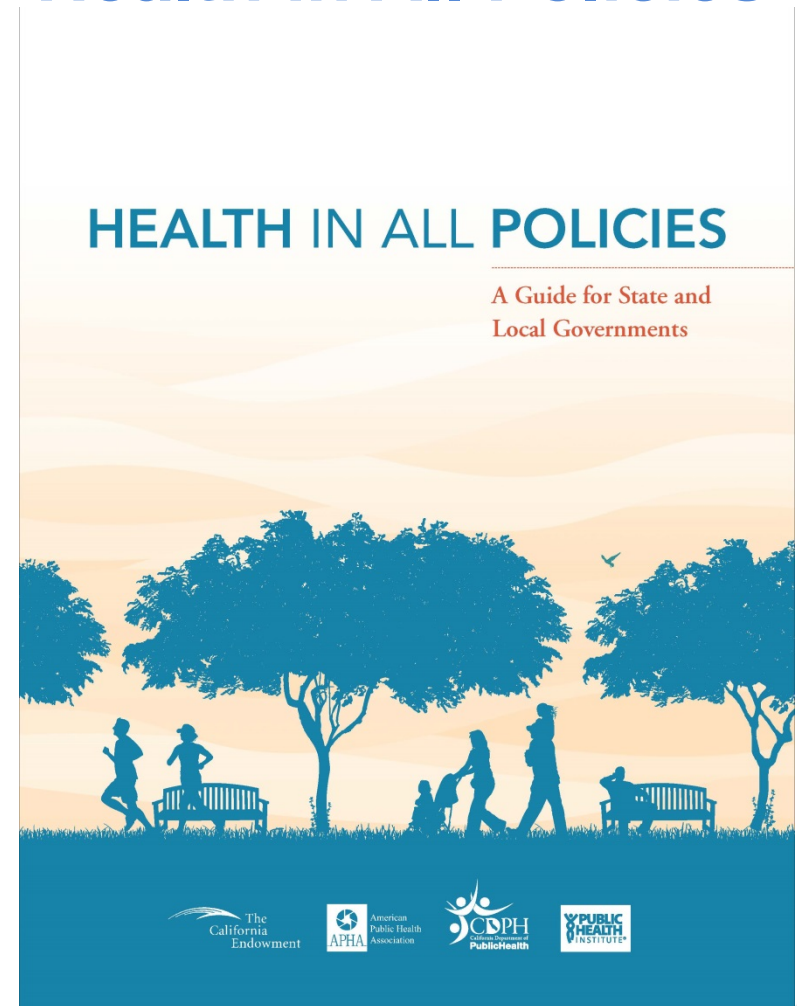
Current fee-for-service payment models **do not reward health care systems for working upstream** to prevent illness.



There are **opportunities through current Affordable Care Act provisions** to better align incentives.

Connecting Health and Equity to Decision Making: Health in All Policies

A collaborative approach to improving the health of all people by incorporating health considerations into decision-making across sectors and policy areas.



Virtually Connecting Patients to Care: Center for Connected Health Policy

What is eConsult?

Definition

Enables primary care providers (PCPs) to consult remotely and conveniently with specialists through store and forward telehealth.

How it works:

PCP requests consult & sends relevant patient information

Specialist reviews and responds to PCP on eConsult

Problem resolved?

YES! Great! You just avoided an unnecessary specialist visit, reducing patient travel and time off work, reducing wait times and increasing PCP knowledge!

NO! No problem! Back and forth communication can continue between PCP and specialist until issue is resolved OR specialist may recommend in-person visit.

eConsult Benefits:

- Increased care coordination
- Improved pre-visit work-ups
- Less patient travel/time off work
- Expanded scope of practice for PCP
- Decreased low-value specialty visits
- Improved PCP & Specialist communication
- Reduced wait times for patients
- Reduced no-shows

Center for Connected Health Policy
Website: www.cchcpa.org Email: info@cchcpa.org Phone: 877.707.7172

Lower cost of and improve access to care through broader adoption of telehealth or “connected health” technologies.

Controlling Asthma through Policy Change:

Regional Asthma Management and Prevention (RAMP)



- Advocating for California diesel emissions regulations passed that were projected to prevent 150,000 cases of asthma over 15 years.
- Advocating for healthy housing policies passed in California-SB 328 and SB 655- that will reduce exposure to asthma triggers, particularly in low-income communities and communities of color.

Collaboration to Reduce Opioid Use: Center for Health Leadership & Practice

- CHLP uses cross-sector engagement to gain traction on most pressing health problems: ebola, zika, chronic disease, premature births
- Now leading California Health Care Foundation (CHCF)'s California Opioid Safety Network bringing doctors, law enforcement, public health agencies and other stakeholders to tackle targeted goals.

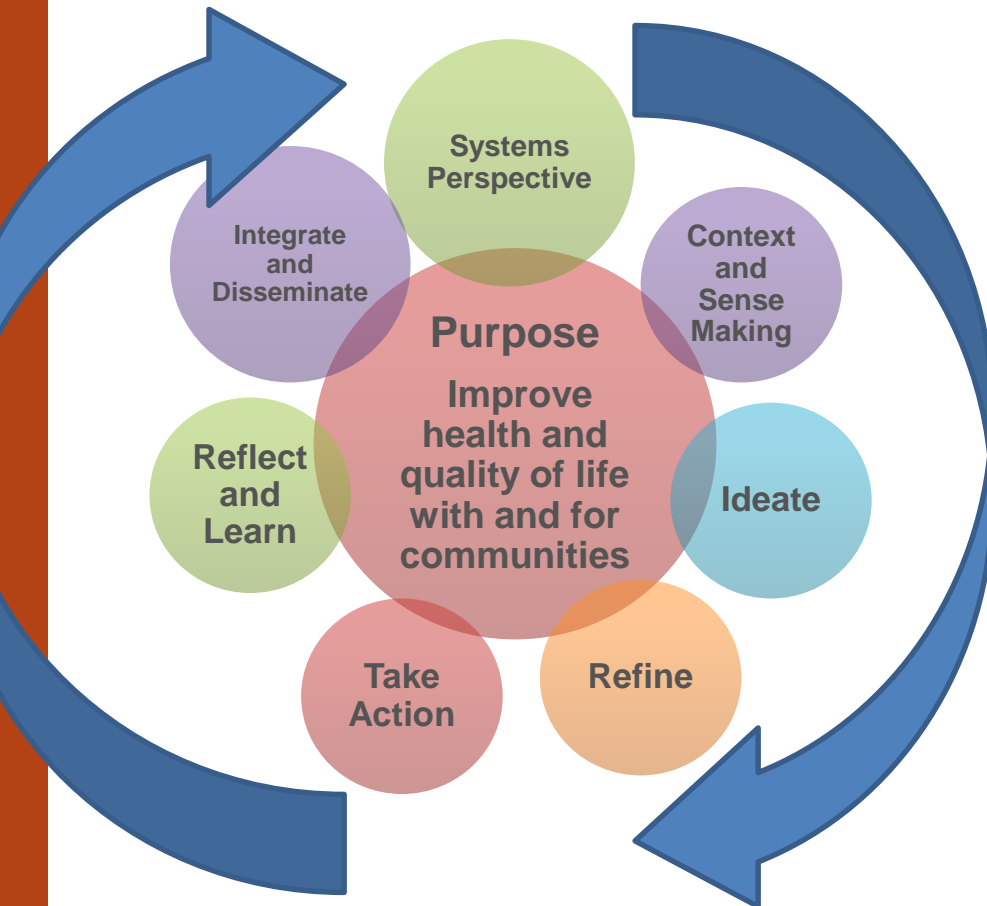
90%
OF CA
COALITIONS
ASSESSED

**FACILITATED
ADOPTION OF
SAFER OPIOID
PRESCRIBING
GUIDELINES**

**TACKLING AN
EPIDEMIC**
bit.ly/TacklingOpioids

The infographic features a background image of numerous white, round, scored tablets. The text is overlaid on this image, with the percentage and main headline in large, bold, white font. A smaller box at the bottom contains the title 'TACKLING AN EPIDEMIC' and a URL.

Design Thinking for Innovative Interventions: Populations Health Innovation Lab



Incubate, accelerate, and disseminate innovative strategies and interventions that build healthier populations and realize a broad social and financial return.

Research and Evaluation to Speed New Solutions: Researcher Lynn Silver, MD

- In Berkeley, soda tax revenues fund prevention activities for the most vulnerable. PHI studies show sales of harmful drinks have declined by 10%, water sales have increased, and overall store revenues and jobs have not been impacted. Lower consumption is expected to reduce health care expenditures, as well as the burden and inequity of diabetes and heart disease.



Helping Physicians Advocate for Climate Change

Change: PHI's Center for Climate Change and Health



A Physician's Guide to Climate Change, Health and Equity

September 2016

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CLIMATE CHANGE, ALLERGIES & YOU

What does climate change have to do with my allergies?

Cars & trucks, industry and power plants all create climate pollution and air pollution.

Climate pollution makes the world warmer and changes our climate.

Climate pollution in the atmosphere causes plants to make more pollen.

Warmer temperatures mean spring comes earlier, so the allergy season is longer.

Pollen from weeds, grasses and trees can cause allergies.

Who is most at risk? People with asthma may experience attacks on high pollen days.

You can take action today to make sure we have a healthy planet with healthy places for healthy people!

- Check daily pollen reports online at www.pollen.com
- When pollen counts are high:
 - Spend less time outdoors
 - Keep car and house windows shut
- Remove pollen from yourself and your environments:
 - Shower after being outside on high pollen days
 - Wash bedding and clothing often
 - Vacuum regularly and use a high efficiency particulate (HEPA) filter if you can
- Talk to your doctor about how to treat allergies
- Find out how you can be energy efficient or buy clean energy, like wind or solar
- Ask your city to plant low pollen trees, shrubs and grasses in your neighborhood
- Ask your local officials to move your community to clean energy now
- Vote for elected leaders that will act to cut climate pollution
- Join local efforts to fight climate pollution

To learn more and take action, visit: www.climatehealthconnect.org/takeaction

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Climate change is making us sick



By **Praveen Buddiga & Katrina Peters**

APRIL 21, 2016, 2:46 PM

Climate change is hurting our health — right here and right now. As practicing physicians, we see the impacts on our patients.

Allergy season is more intense, and arrives earlier than ever.

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phi.org/eNews



Assignment One:

- Wildfires have broken out in California, severely affecting air quality. Your job is to write a 145-160 word letter to the local paper connecting climate change to health, using your experience as physicians to make the case, and calling for change.



Assignment Two:

- You work in an ER experiencing high admission rates for diabetic ketoacidosis among its homeless population. What are some local policy or practice changes that could lower these rates?



Assignment Three:

- As a GP, you see a low-income child and his mother. The child is ten years old and has asthma. What kinds of questions might you ask to identify social determinants that contribute to his condition?