

# SOUTHERN CALIFORNIA ASSOCIATION OF GOVERNMENTS REGIONAL PLANNING WORKING GROUPS

## **Public Health Working Group Meeting**

March 19, 2020 1:30 p.m. - 3:00 p.m.

Due to public health concerns, please join via web conferencing:

To join the meeting: <a href="https://scag.zoom.us/j/326205700">https://scag.zoom.us/j/326205700</a>

Dial-In: +1 669 900 6833 Meeting ID: 326 205 700

### **AGENDA**

- 1. WELCOME, SELF INTRODUCTIONS Courtney Aguirre, SCAG
- 2. CALIFORNIA PUBLIC HEALTH ASSESSMENT MODEL (C-PHAM) LOCAL CASE STUDY Larry Frank, Urban Design for Health
- 3. CALIFORNIA HEALTHY PLACES INDEX (HPI) UPDATE & ATP APPLICATIONS Bill Sadler and Helen Dowling, Public Health Alliance
- 4. CLIMATE CHANGE & PUBLIC HEALTH CONSIDERATIONS

  Elizabeth Rhoades, Los Angeles County Department of Public Health, Environmental Health
- 5. RANDALL LEWIS HEALTH POLICY FELLOWSHIP- SITE RECRUITMENT Courtney Aguirre, SCAG
- 6. **CONNECT SOCAL UPDATES** *Courtney Aguirre, SCAG*

#### TO PARTICIPATE VIA WEB CONFERENCING

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SCAG, in accordance with the Americans with Disabilities Act, is committed to providing special accommodations to those who are interested in participating in the workshop. SCAG is also committed to helping those with limited proficiency in the English language by providing translation services at the workshop in accordance with Title VI of the Civil Rights Act. We ask that you provide your request for special accommodations or translation services at least 72 hours prior to the meeting so that SCAG has sufficient time to make arrangements. For Public Health inquiries, please contact Courtney Aguirre, Program Manager, at <a href="mailto:aguirre@scag.ca.gov">aguirre@scag.ca.gov</a> or by calling (213) 236-1990.



# California Public Health Assessment Module (C-PHAM)

Developed by Urban Design 4 Health – www.ud4h.com



Dr. Larry Frank, President
Dr. William Bachman, Senior Analyst & Marketing Strategist
Jim Chapman, Managing Principal
Urban Design 4 Health – www.ud4h.com

March 19, 2020

www.scag.ca.gov



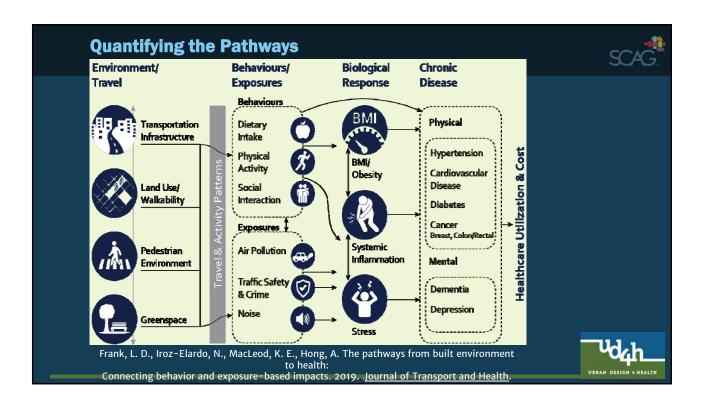
### **California Public Health Assessment Model (C-PHAM)**

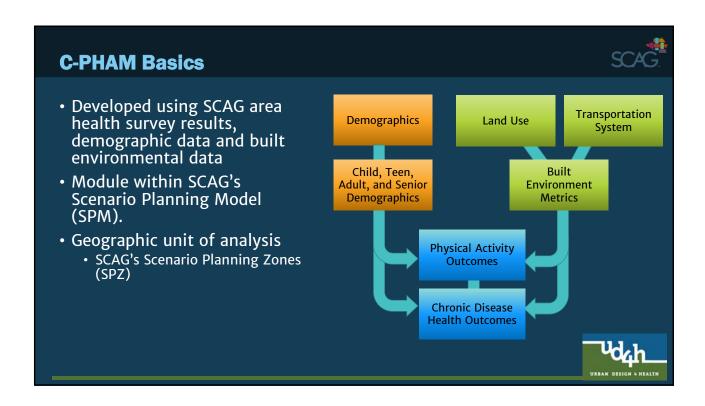


- Health module (connected to scenario planning software)
- Planners able to quantify community public health implications of various land use and transportation scenarios.
- Provide health impact estimates at a geographic scale useful for making local, neighborhood-level decisions
- Opens door to add health impact costs to planning process









### **C-PHAM 2016**



- 2015 -- version 1 created in 2015 to work with the Southern
- Applied to 2016 Regional Transportation Plan (RTP) using a base year of 2012 and a 2040 future year
- 30 counties, 150m grid cell
- Technical advisory committee

Adults: Ages 18-64	No Plan	2040 Plan	Glendale	
Recreation Physical Activity - Minutes Daily	14.6 min	+ .4%	+ 9%	
Walking - Minutes Daily	12.1 min	+ 33%	+ 10%	
Biking - Minutes Daily	1.6 min	+ 26%	+ 12%	
Auto - Minutes Daily	64.8 min	- 4.4%	- 6%	
Obese Population (%)	26.3%	- 1.3%	-3%	
High Blood Pressure (%)	21.5%	- 1.2%	- 1%	
Heart Disease (%)	4.4%	- 1.0%	0%	
Diabetes - Type 2 (%)	6.1%	- 1.0%	- 11%	



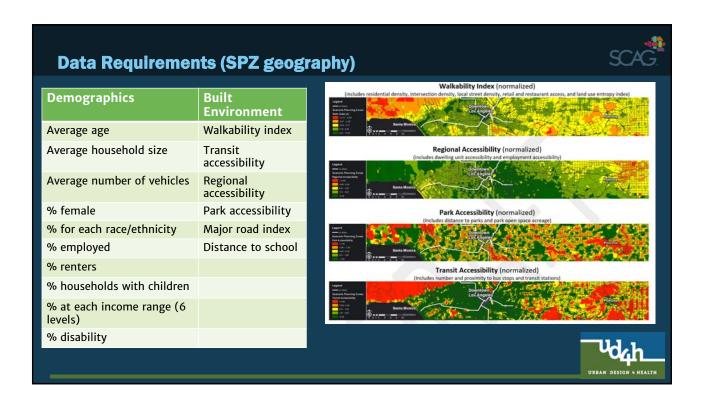
### **C-PHAM 2019**

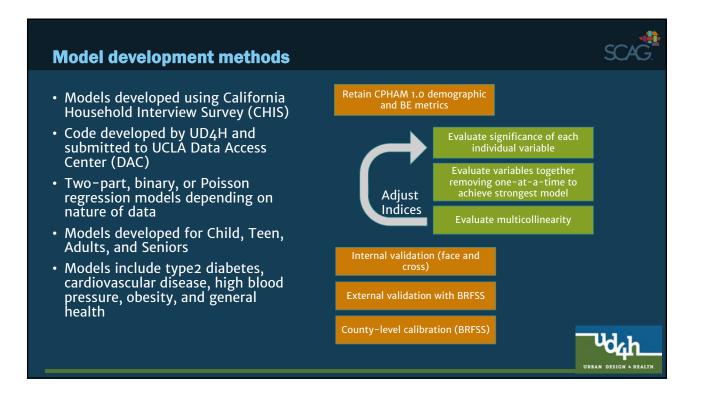


- Updated for SCAG region only
  - California Health Interview Survey (CHIS) 2015-2017
- Age group models (child, teen, adult, senior)
- Changed geographic unit to scenario planning zone (SPZ)
- Travel behavior models unchanged (2012 CHTS)
- Technical advisory committee

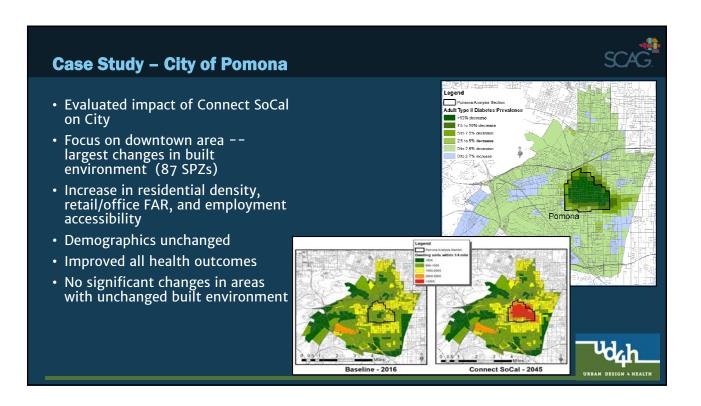








Outcome	Seniors (65+)	Adults (18-64)	Teens (13-17)	Childre (5-12)
any walking for transportation	Х	Х		
minutes/wk transport walking for those with any	X	Х		
any walking for recreation	Х	Х		
minutes/wk recreational walking for those with any	X	X		
body mass index	Х	X	Χ	Х
likelihood of being overweight or obese	Х	X	Χ	Х
likelihood of being obese	X	X	Χ	X
likelihood of having high blood pressure	X	Х		
likelihood of having heart disease	X	X		
likelihood of having type 2 diabetes	X	X		
likelihood of having poor self-reported health	X	X	Х	X
days/week with at least 60 minutes PA			Х	Х
days/week walk or bike to school			Χ	X
walk or bike to school at least one day a week			Х	Х



### **Value to existing California communities**



### In SCAG Region

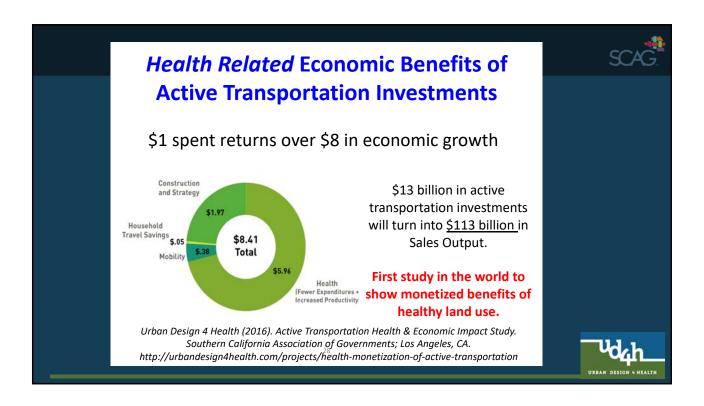
- Ready source of baseline and Connect SoCal plan health outcomes from SCAG
- Model algorithms developed from California Health Interview Survey participants living in the SCAG area
- Opportunity to extend or expand scenarios with SCAG
- Opportunity to apply models to other custom uses with UD4H

### **Outside SCAG Region**

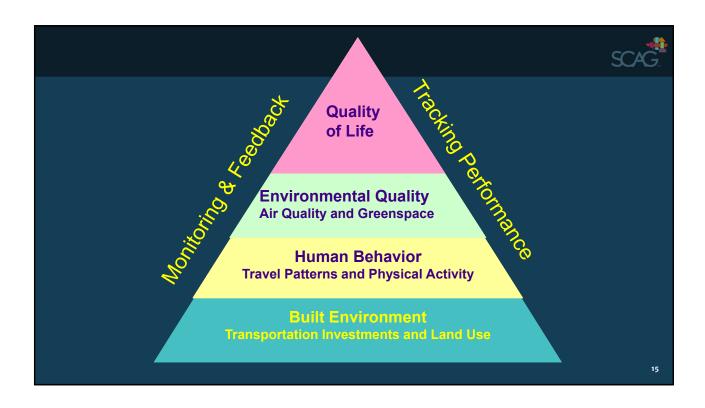
- Model algorithms can be applied to any region that has the input data at similar geographies to the SPZ
- Region specific models can be developed through UD4H using same approach



#### Opportunity to estimate health costs of long range plans **Use Input-Output model** REMI Transight Use health modeling tool like IMPLAN the California Public Health REDYN Assessment Model (C-PHAM) 2016 Analysis by UD4H/AECOM Greater LA Region • \$8.41 benefit per \$1 invested in active transportation From Characterize Built Environment Model Behaviors and Exposures Monetized Health Outcome Model Public Health Apply Cost Of Illness Economic Model Labor force productivity Reduced health care costs > Reduced travel expenditure Increased mobility New construction Use published Cost Of Illness Literature Direct (Healthcare Expenditures) Indirect (Productivity)









# The California Healthy Places Index Update and ATP Applications

Bill Sadler, JD, MURP **Director of Operations** 

Helen Dowling, MPH **Data Manager** 

**SCAG Public Health Working Group** 





# Agenda

- Introduction to the Healthy Places Index (HPI)
  - History & Methodology
  - Key Features & Functions
- Using HPI for ATP Applications
  - Characterizing Disadvantaged Communities
  - Defining Project Areas
  - Identifying Local Health Concerns
- Current Use Cases
- New Features & Functions

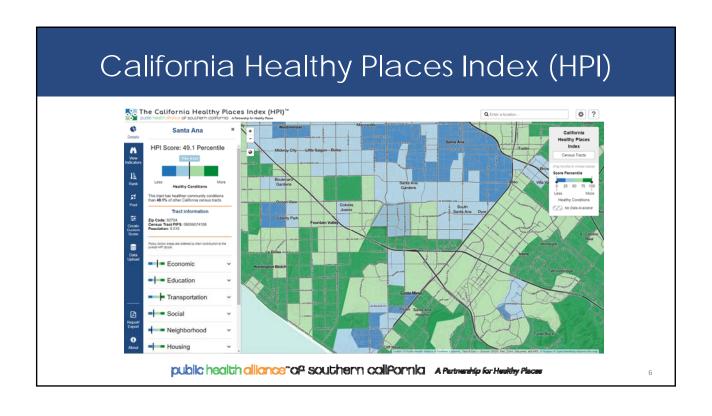


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# HPI's Unique Approach

### Granular

Fine geographic resolution reveals the variation within cities, counties, and communities

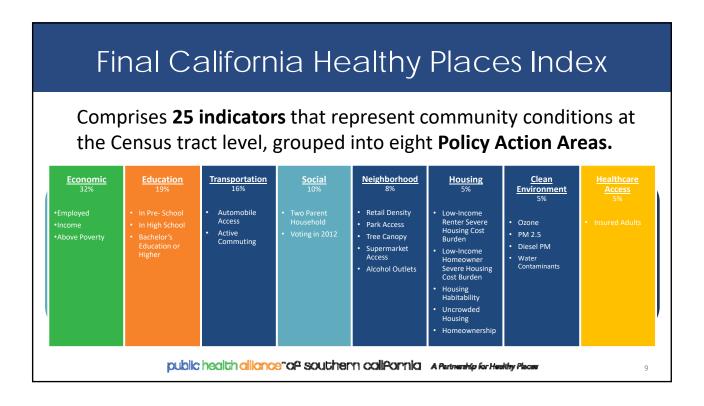
### **Policy Solutions**

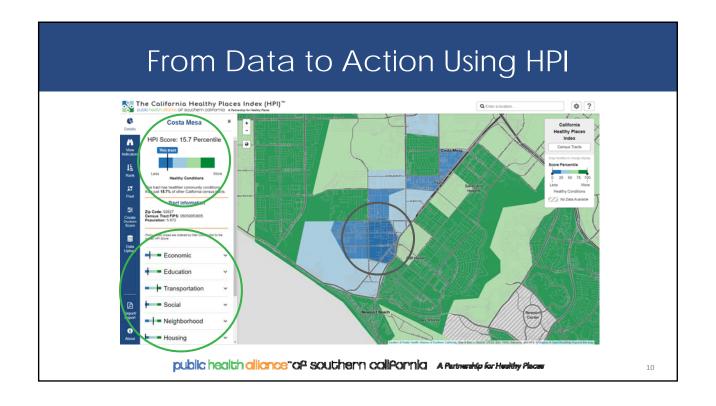
Each indicator is supported by a wealth of policy solutions detailed in our Policy Guides

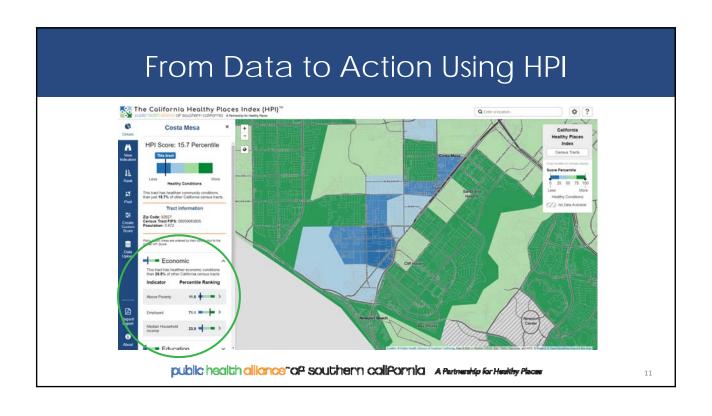
### **Validated**

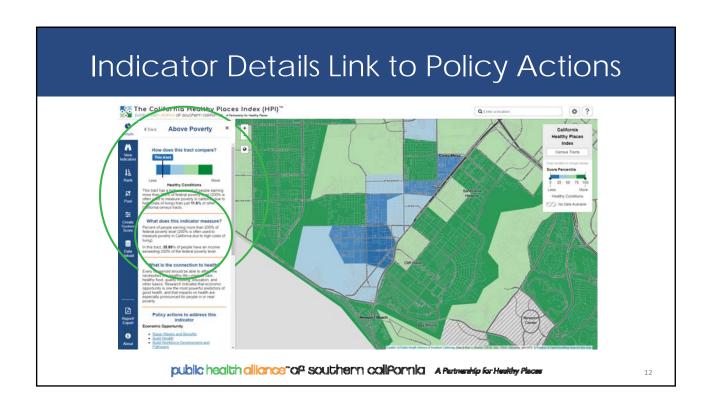
Each indicator – and the overall index – is linked to a summary health outcome: **life expectancy at birth** 

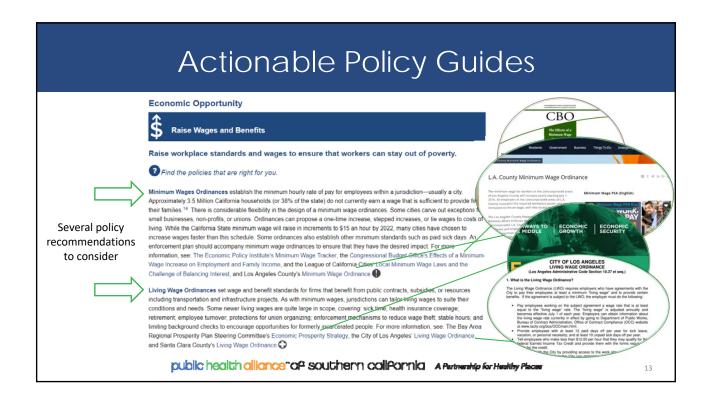
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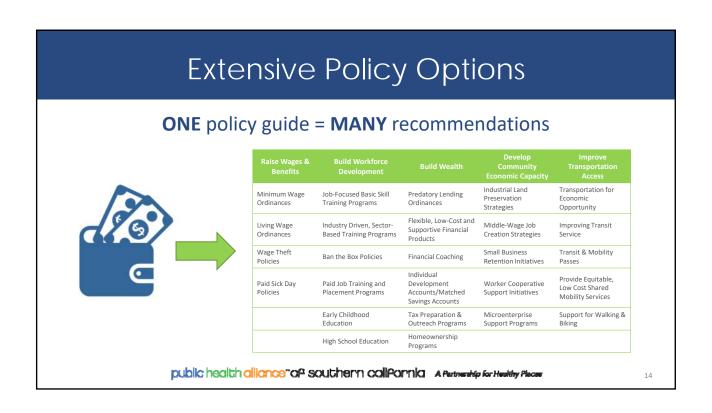




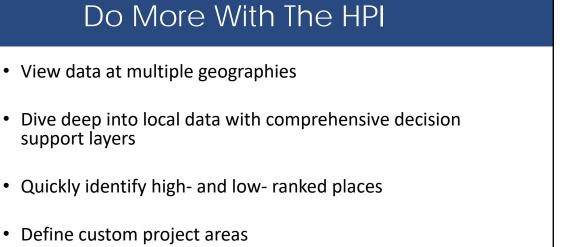












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Create Custom Score

Upload your own data

# How-To Videos



- Step-by-step how-to videos
- Brief 2-6 minute tutorials
- For non-technical audiences

HealthyPlacesIndex.org/how-to/

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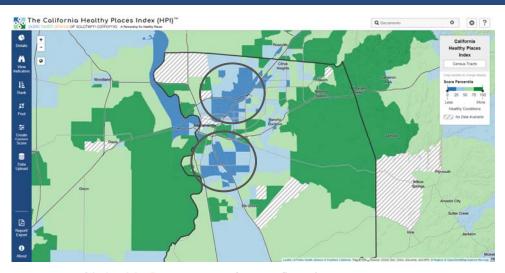
# ATP Guidelines (Cycle 5)

### **Characterizing Disadvantaged Communities**

Healthy Places Index (HPI): The Index includes a composite score for each census tract in the State. The higher the score, the healthier the community conditions based on 25 community characteristics. The scores are then converted to a percentile to compare it to other tracts in the State. A census tract must be in the 25th percentile or less to qualify as a disadvantaged community.

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# Identifying Disadvantaged Communities



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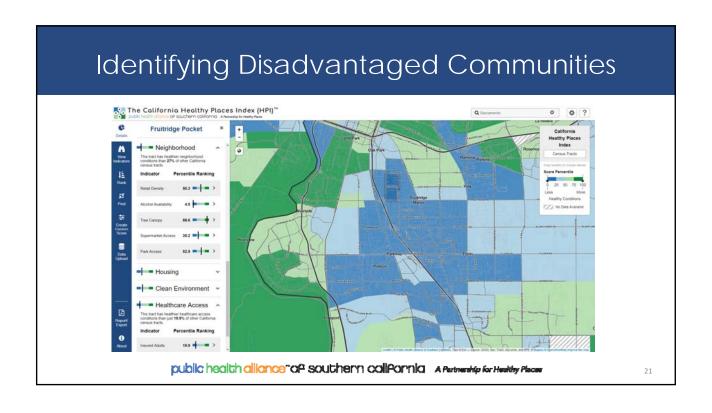
# ATP Guidelines (Cycle 5)

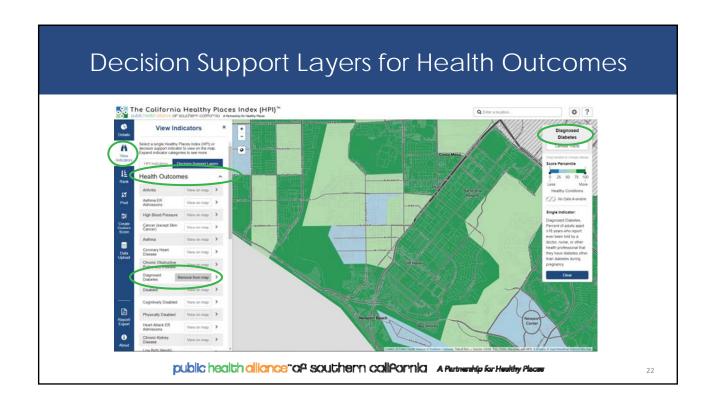
### Statement of Need

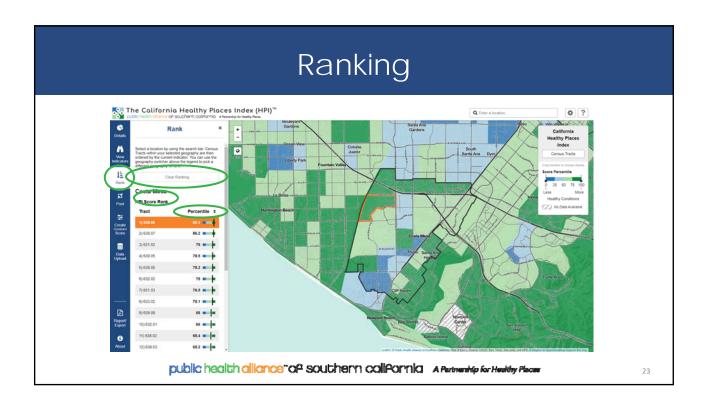
The local health concerns responses should focus on:

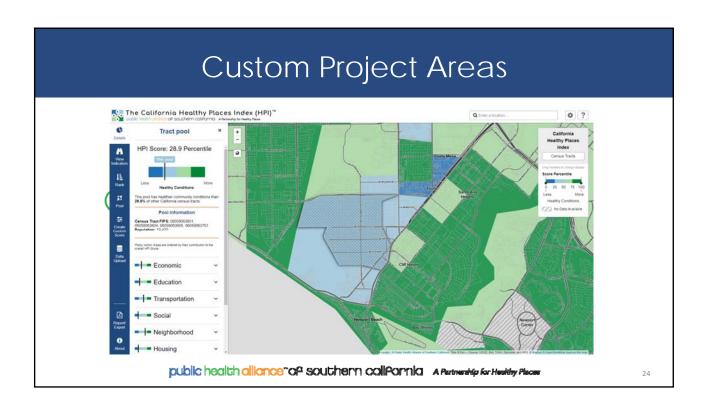
- Specific local public health concerns, health disparity, and/or conditions in the built and social environment that affect the project community and can be addressed through the proposed project.
- Local public health data demonstrating the above public health concern or health disparity. Data should be at the smallest geography available (state or national data is not sufficient). One potential source is the Healthy Places Index (HPI).

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## **HPI Into Action Statewide**



# **ASSESSMENT & DECISION-MAKING**



#### Caltrans

(\$25M/yr) Planning Grants (\$6M/yr)

#### California Strategic Growth Council

ve Climate Communities (\$25M in

### **California Transportation Commission**

#### California Air Resources Board

#### California Department of Public Health (CDPH) - Nutrition & Obesity Prevention

Development of 3-Year Implementation Workplans

### CDPH - Maternal, Child and Adolescent Health

Community Birth Plan to Reduce Preterm Births in African American Women in Los Angeles

#### CDPH - Office of Health Equity

Mortality Rates Among Caucasian Men in Central San Joaquin Valley

#### California Air Resources Board

earch Call - Mapping and Evaluating Transportation Access and Built Environment

#### Governor's Office of Planning & Research

Senate Bill 1000 Guidance

Order B-30-15

ent CA - State Adaptation Clearinghouse

#### **California Natural Resources Agency**

**California Transportation Commission** 

#### California Environmental Justice Alliance

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# HPI Into Action Locally & Regionally



# Southern California Association of Governments

#### Kaiser Permanente, Southern California

#### Riverside University Health System - Public Adverse Childhood Experiences Score Program

Census Tract Identification for Increased Women, Infant & Children Program Outreach

#### Ventura - Community Memorial Health System Wellness Collaborations - Prioritization by Census

### Contra Costa County, Department of Public

Targeting Home Energy Efficiency Resources

# ASSESSMENTS

### Kaiser Permanente, Southern California

Community Health Needs Assessment

### Los Angeles County Department of Public Health

#### Santa Barbara County Public Health Department y Health Ne

## Santa Monica - St. John's Medical Center

Solano County Public Health Department

### Sutter County Public Health Department

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### Southern California Association of Governments

### Prevention Institute - Healthy, Equitable, Active

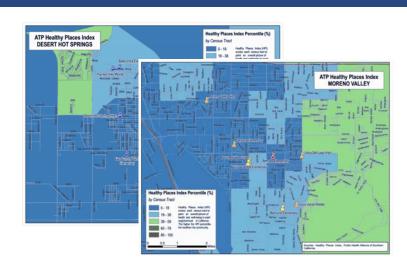
### Hospital Association of Southern California

**Ventura County** 

### Solano County Public Health Department

### Use Case: Riverside ATP Grant

- Used the Healthy Places Index for DAC identification
- Focused on Safe Routes to School Program



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# Coming Soon: New HPI Features!

- Streamlined user interface
- Support for longitudinal data
- API keys
- Improved handling of uploaded data
- Expanded export & sharing functions

Join our mailing list for updates:

HealthyPlacesIndex.org/mailing-list/

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# Thank you!



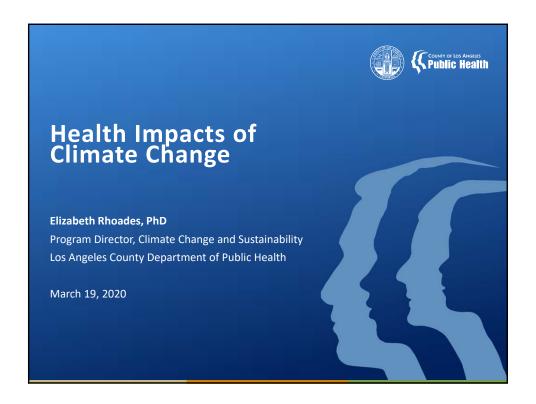
### **CONNECT WITH THE ALLIANCE**

Bsadler@PHI.org | Helen.Dowling@PHI.org
HPI ON THE WEB

<u>HealthyPlacesIndex.org</u> | <u>Map.HealthyPlacesIndex.org</u>

### **THANKS TO OUR FUNDERS**

The California Endowment | Kaiser Permanente of Southern California





# Climate Change & Public Health

### The Global Climate and Health Alliance:

"...the climate crisis as a health emergency and people around the world are experiencing the impacts of climate change on their health, livelihoods, and homes...

There is a rising tide of doctors, nurses, and other health professionals who recognize that protecting the health of our patients and our communities now requires us to push governments to deliver the needed climate action. Our ranks will only grow, and our demands become stronger, until national leaders put us on track to a stable, healthy climate. "1



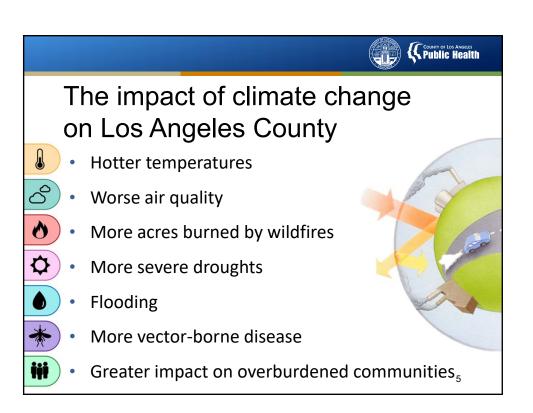
# Climate Change & Public Health

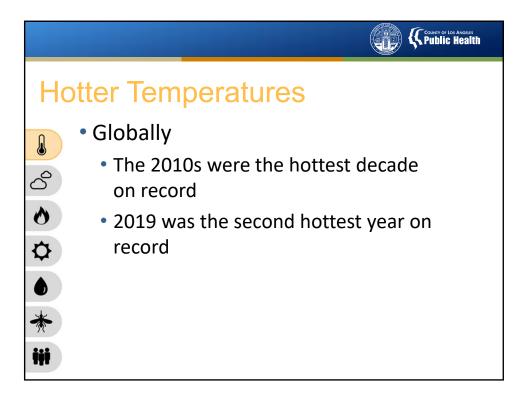
- Climate change is having and will continue to have significant public health impacts
  - It is our responsibility to enact strategies that protect people from those impacts
- Research shows that framing climate change in the context of health is the most effective way to talk about it so that people care

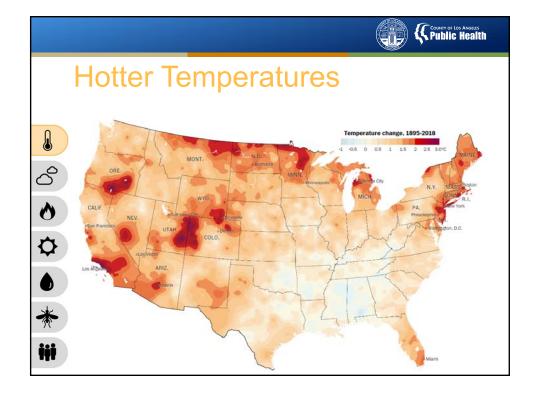
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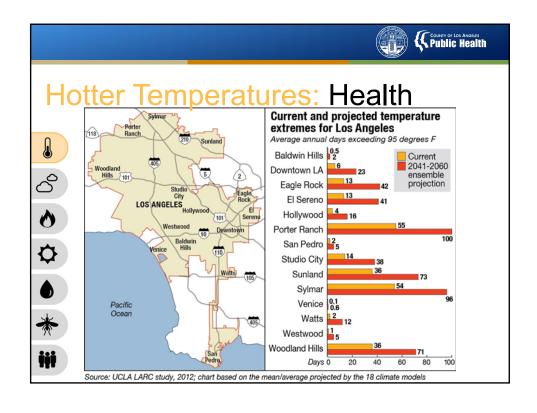


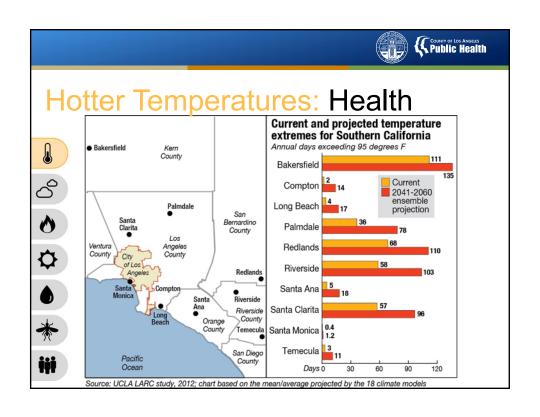






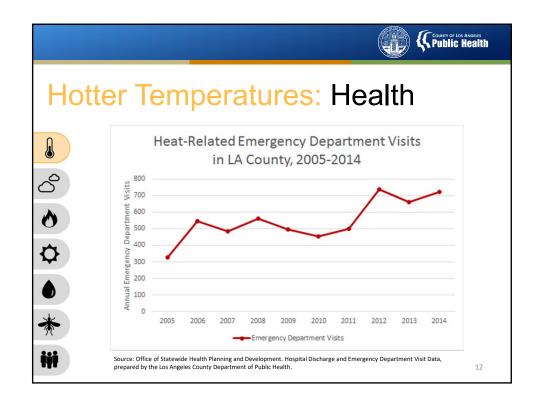


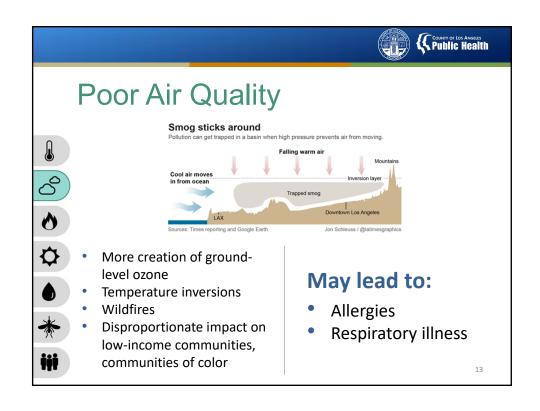


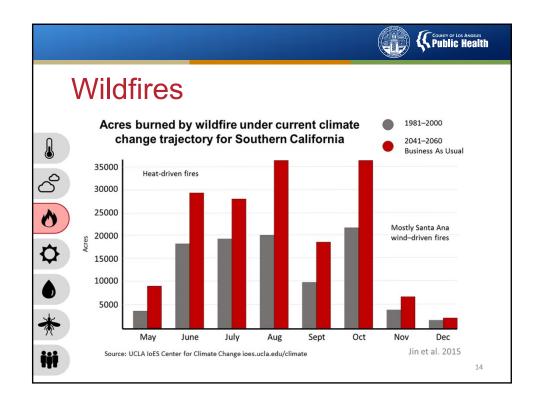


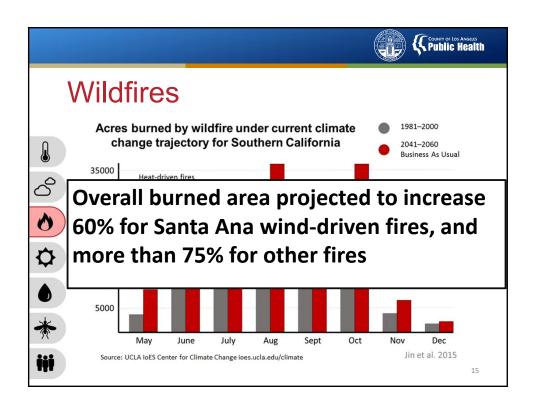


> 650 deaths

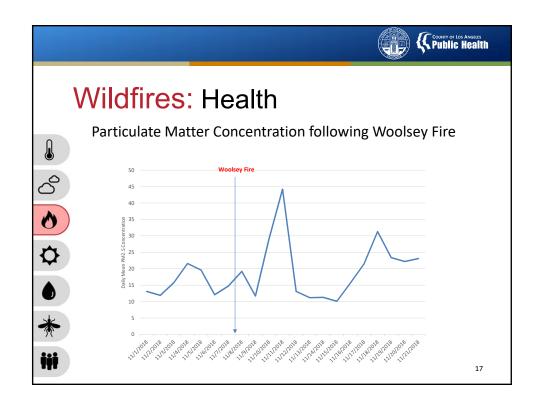


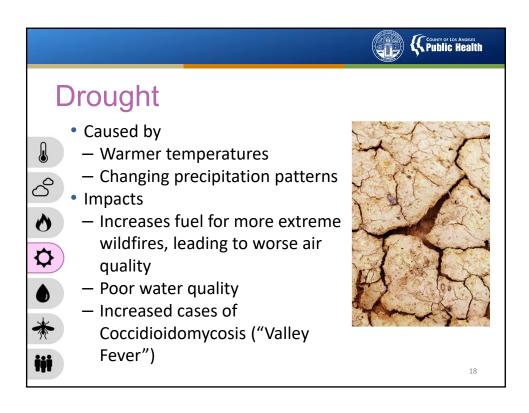


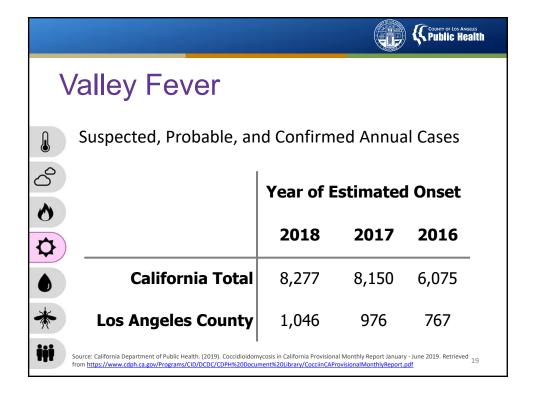


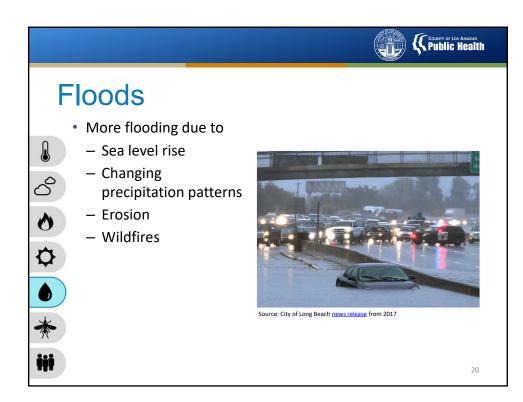


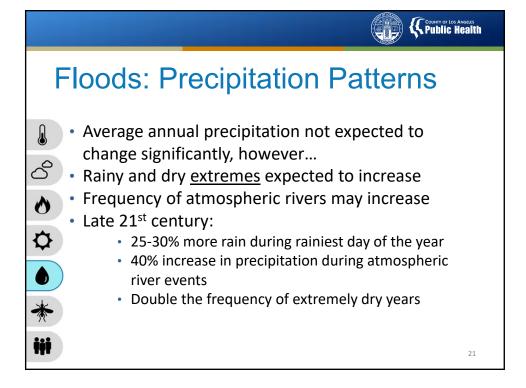


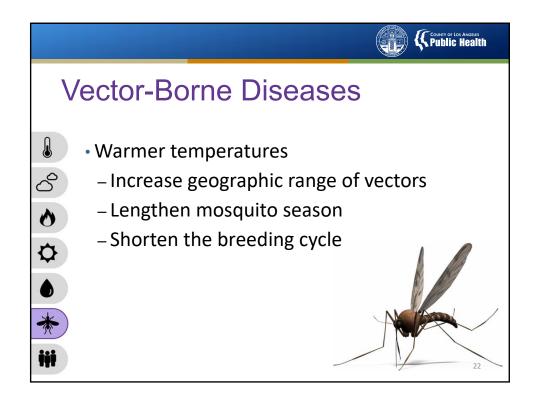


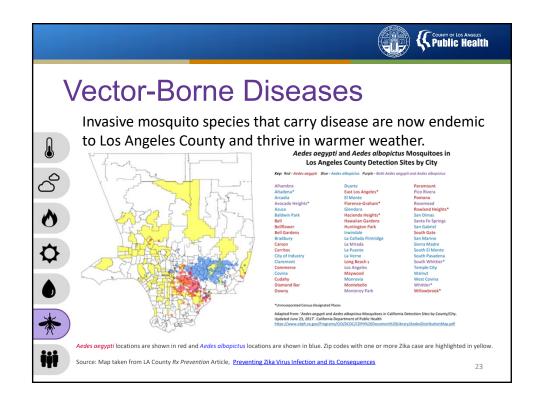


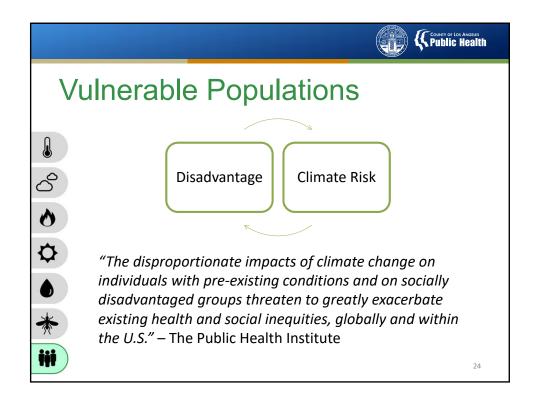




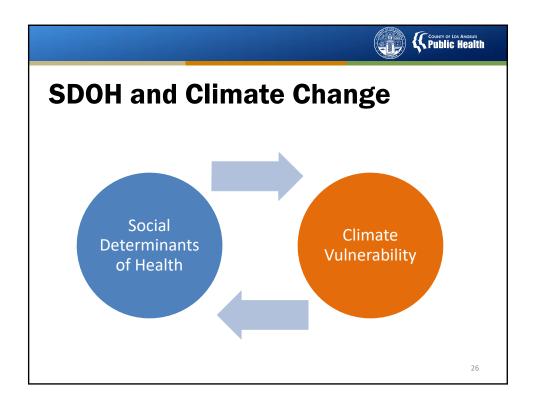


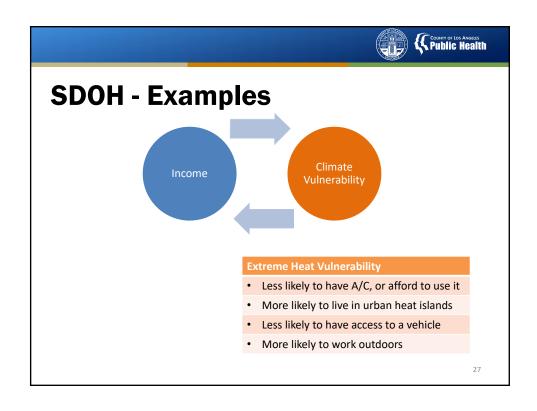


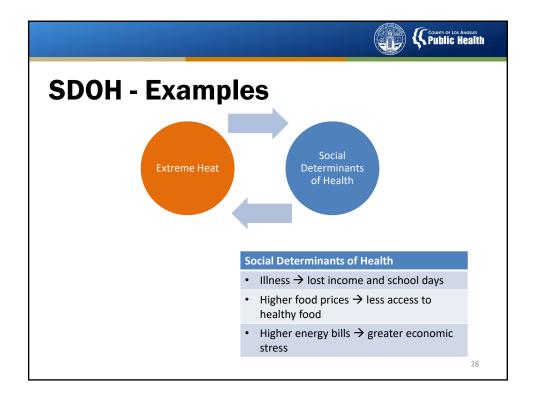


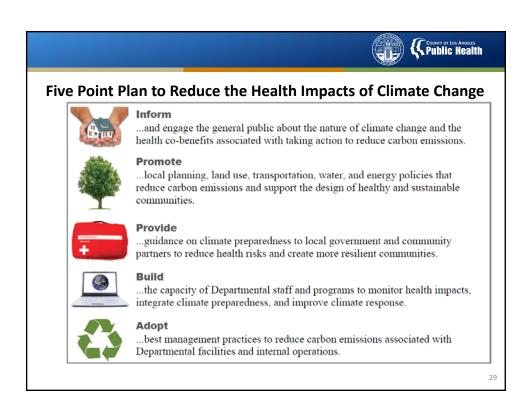














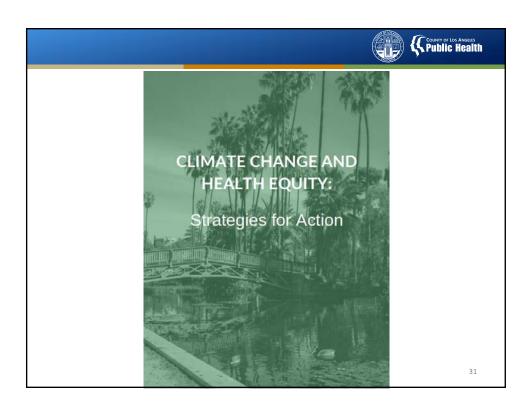
# DPH Climate Change and Sustainability Program

### Vision

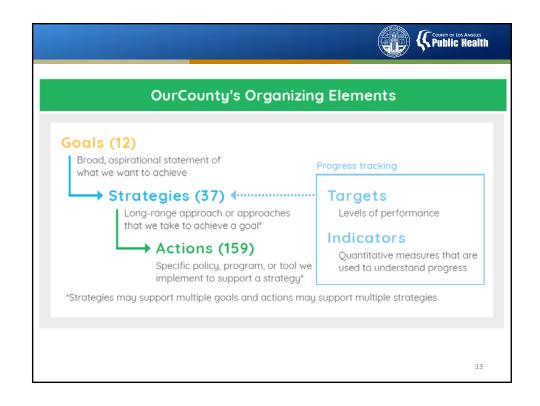
Resilient communities prepared for the health effects of climate change.

### Mission

To protect LA County residents, especially communities of color and lowincome communities, from climate impacts by promoting actions that slow climate change and build resilience.









## **Climate solutions**

 Strategies to address climate change are "noregret" options that lead to healthier, more resilient, more equitable communities





# Positive Strategies - I

"No-regret" options that create healthier, more resilient, and more equitable communities:



Source: LA County Tree Committee

Example A: Planting trees reduces temperatures & sequesters carbon.

Co-benefit = improved air quality, provides for stormwater capture, calms traffic, reduces noise, reduces crime, improves mental wellbeing



# Positive Strategies - II

"No-regret" options that create healthier, more resilient, and more equitable communities:



Example B: Reducing vehicle miles traveled through active transportation lowers GHG emissions.

<u>Co-benefit</u> = more physical activity

Example C: Promoting cleaner fuels and energy production reduces GHG emissions.

<u>Co-benefit</u> = less air pollution





# Randall Lewis Health Policy Fellowship Fact Sheet

The purpose of the Randall Lewis Health Policy Fellowship program is to ensure the development of health professionals who possess the necessary skills to influence positive change in public policy, systems, and the built environment in our local municipalities. These fellowships create educational and professional opportunities for students in health policy and related disciplines, provide for the expansion of the regional health policy infrastructure, and retain essential intellectual capital in our local communities.

**Applications:** Currently accepting applications for the 20-21 school year. Go to: <a href="http://p4bhealth.org/get-involved/">http://p4bhealth.org/get-involved/</a>.

**Length of Fellowship**: 8 months, 400 hours, typically September through May. This fellowship fulfills academic fieldwork requirements for urban planning, data science and public health students.

**Stipend**: A stipend is provided to fellows who complete the program.

The Randall Lewis Health Policy Fellowship currently receives funding for fellow stipends from multiple sources including Lewis Group of Companies & Southern California Association of Governments (SCAG).

**Nature of Work:** Depending on a fellows' background, interest, experience and placement site, the field work projects can vary. Fellows might work within a Healthy Communities initiative context, such as within a city or county government. The focus usually is on development or implementation of a policy initiative. This may include projects such as:

- Research & development of general plan health elements
- Active transportation plans
- City planning and support
- Food deserts & healthy affordable food access



**Nature of Work cont'd:** Fellows may work with special populations such as youth, seniors, immigrants, low-income and communities of color. They are expected to have an understanding of how to appropriately foster inclusive community & local government collaboration standards of community engagement.

**Expectations**: All fellows are expected to do the following over the course of their fellowship year:

- Participate in an orientation session.
- Attend Fellowship meetings and trainings. Fellows meet as a group at least 6 times during the year. These learning sessions require travel within the Southern California region. The learning sessions developing leadership and professional skills, and a GIS training module.
- Submit a Scope of Work developed in conjunction with their site preceptor and approved by their university advisor.
- Attend a minimum of two external professional meetings, workshops or conferences per fellowship year.
- Attend and participate in the annual Fellowship Forum & Poster session.
   Fellows will present their work at an annual poster session and professional networking event held in late April each year.
- Prepare a two-page handout to be printed and distributed. Last year's booklet is on the website: <a href="http://p4bhealth.org/get-involved/">http://p4bhealth.org/get-involved/</a>.
- Submission of a final narrative detailing the fellow's experience and impact (approximately 1000 words).

For more information please contact Jaynie Boren, Executive Director of the Randall Lewis Health Policy Fellowship at <a href="mailto:jaynieboren@hc2strategies.com">jaynieboren@hc2strategies.com</a> or at 951-218-2064.