



# Architecture & Wellbeing

Bill Hercules, FAIA, FACHA, FACHE (Chair)

Rex Cabaniss, AIA, AICP (Co-Chair)

Dave Davies, AIA

Brett Dougherty, AIA, LEED AP

Kimberly Dowdell, AIA, NOMAC

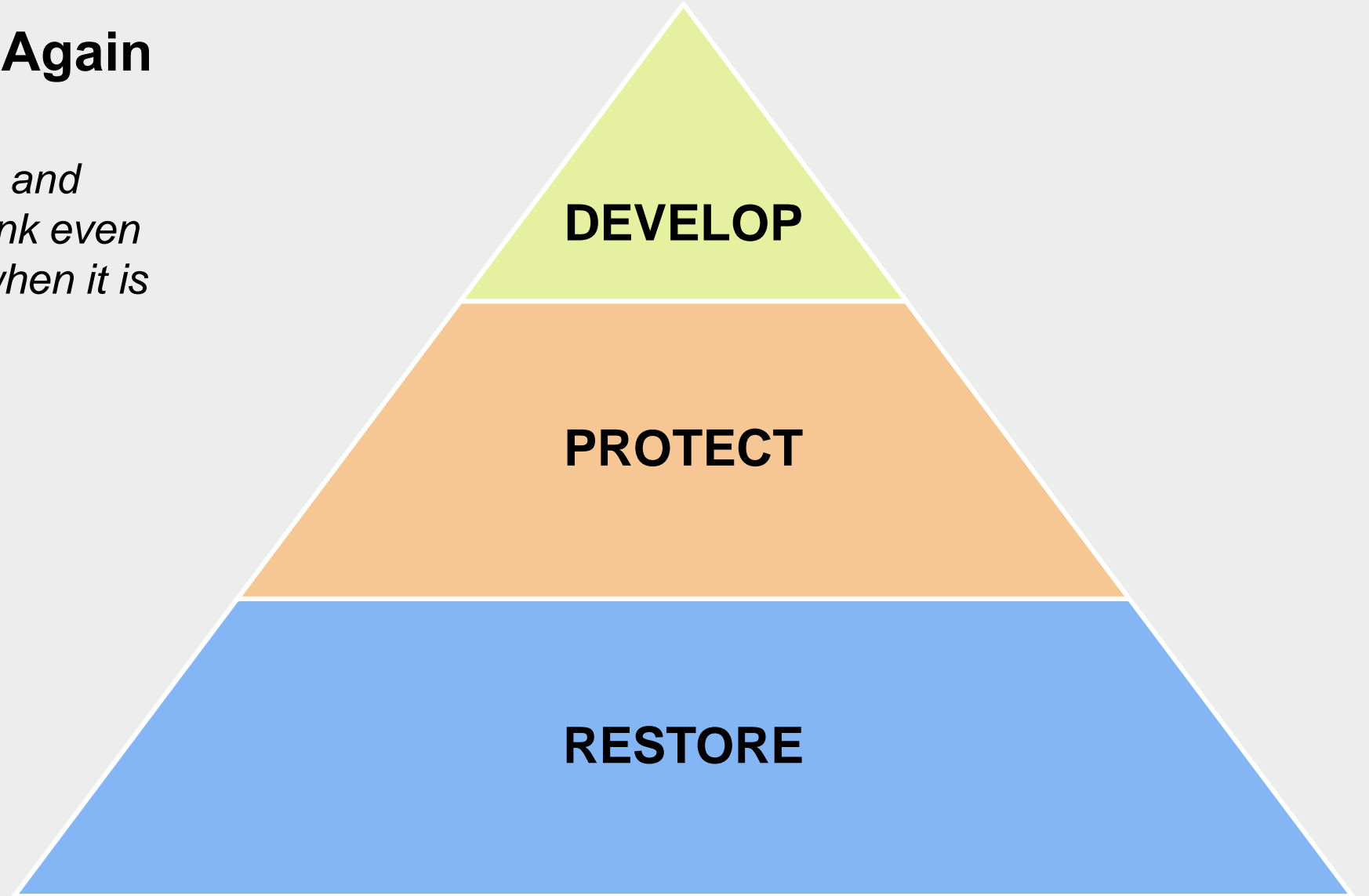
Katherine Peele, FAIA, LEED AP

Tony Rangel, AIA

# What's Old is New Again

*“The function of protecting and developing health must rank even above that of restoring it when it is impaired.”*

- Hippocrates



# Architects are healthcare providers



UCLA

Richard Jackson, MD, MPH, FAAP, ABPM  
Professor Emeritus, UCLA David Geffen  
School of Medicine



W

Andrew Dannenberg, MD, MPH  
Program Director, UW Master of Public  
Health/Master of Urban Planning  
University of Washington



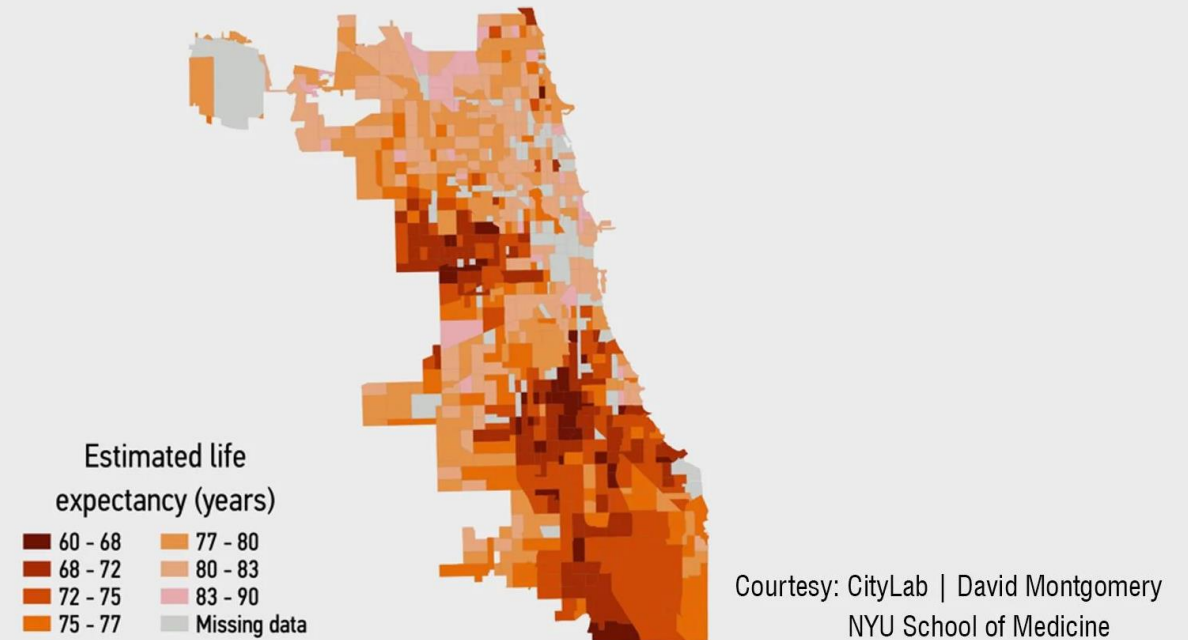
W

Howard Frumkin, MD, DrPH, MPH, AB  
Senior VP, Trust for Public Land; Professor  
Emeritus at University of Washington

## Quality of Life and Longevity

- Life Expectancy
- Health Gap Inequity
- Health development vs Health Repair?

## Neighborhood Life Expectancy in Chicago

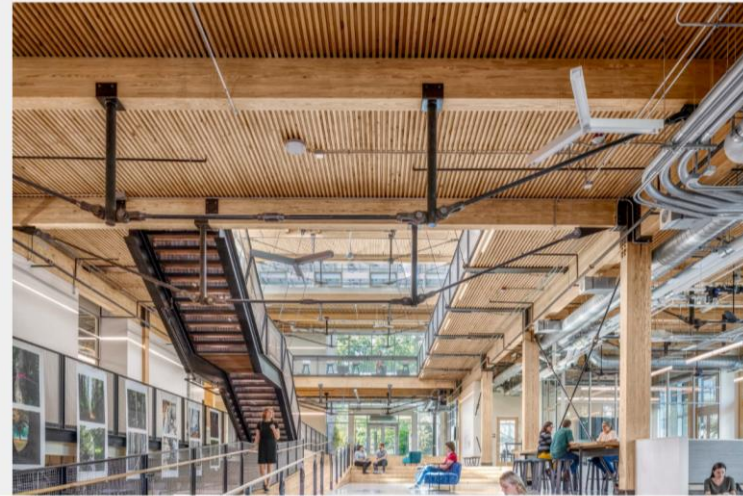


- ▶ [Caine, Paul. "Chicago Life Expectancy Gap Driven by Race, Segregation, Says Researcher". WTTW News \(Chicago\). 22 July 2019. <https://news.wttw.com/2019/07/22/chicago-life-expectancy-gap-driven-race-segregation-says-researcher>. Accessed 16 Oct 2023.](https://news.wttw.com/2019/07/22/chicago-life-expectancy-gap-driven-race-segregation-says-researcher)
- ▶ [Gourevitch, Marc N. "Large Life Expectancy Gaps in U.S. Cities Linked to Racial & Ethnic Segregation by Neighborhood". NYU Langone Health. 5 June 2019. <https://nyulangone.org/news/large-life-expectancy-gaps-us-cities-linked-racial-ethnic-segregation-neighborhood>. Accessed 16 Oct 2023.](https://nyulangone.org/news/large-life-expectancy-gaps-us-cities-linked-racial-ethnic-segregation-neighborhood)

## AIA's past explorations

- <https://www.aia.org/showcases/6082617-design-for-well-being>
- <https://aiau.aia.org/designing-health>
- <https://www.aia.org/topics/31-design-and-health>
- The [2015](#) & [2016](#) Proceedings of the [Design & Health Research Consortium](#)

### Design for Well-being



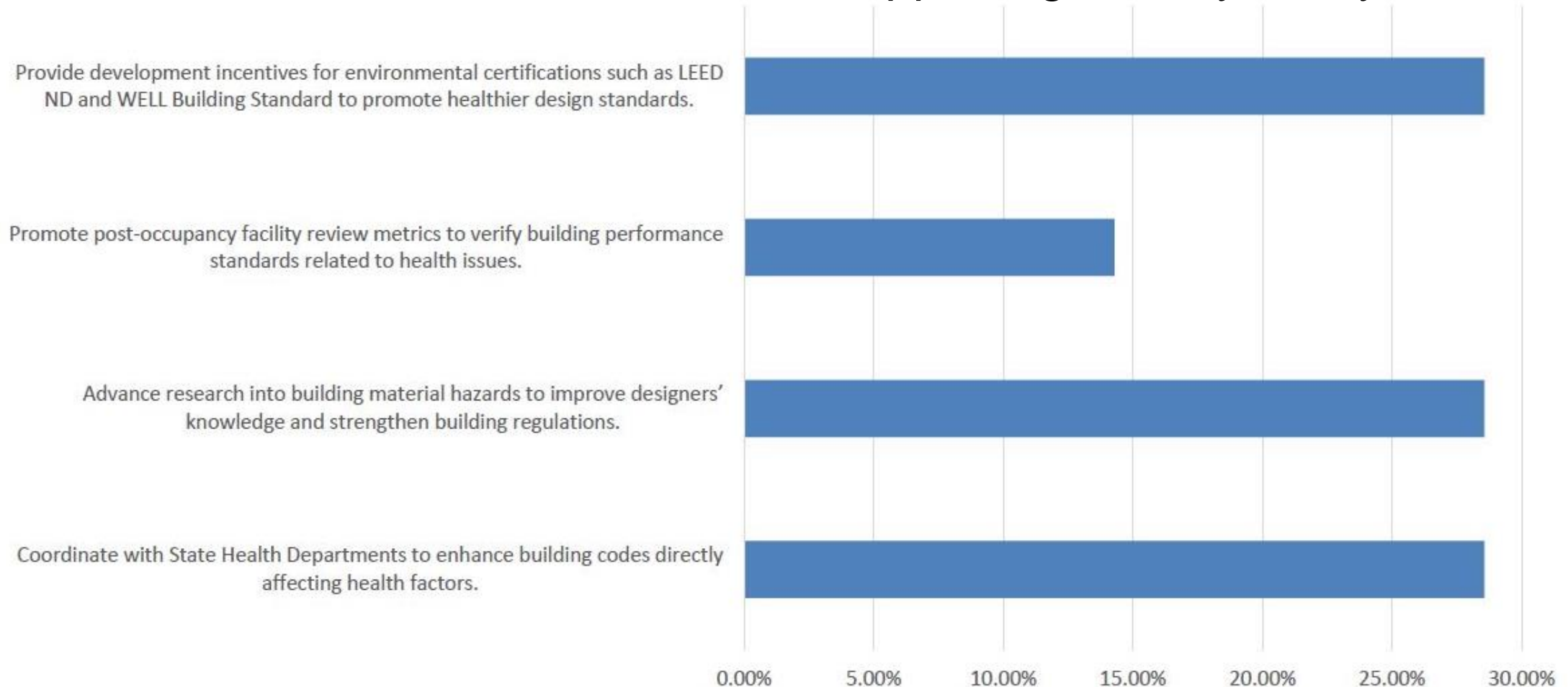
# Experts participating in survey

- **Andrew Dannenberg, MD, MPH**  
Affiliate Professor, Dept of Environment and Occupational Health Sciences  
Department of Urban Design, University of Washington
- **Allen Weiss, MD**  
Chief Medical Officer at Blue Zones Project, Medical practitioner and previous hospital system admin.  
Adjunct Assistant of Medicine, Mayo Clinic
- **Ellen Taylor, PhD, AIA, MBA, EDAC**  
Vice President for Research, The Center for Health Design, FGI Health Guidelines Committee,  
Board of AIA Academy of Architecture for Health, Editorial Advisory Board of HERD
- **Fatima Cody Stanford, MD, MPH, MPA, MBA, FAAP, FAHA, FAMWA, FTOS**  
MGH Weight Center, Massachusetts General Hospital
- **Liz York, FAIA**  
Acting Director, Design Services and Support Centers for Disease Control and Prevention
- **Mindy Fullilove, MD**  
Writer, Social Psychiatrist
- **Ray Pentecost, FAIA, FACHA, LEED AP**  
Health Facilities Design Director, Center for Health Systems and Design,  
Professor of Practice, Texas A&M University School of Architecture



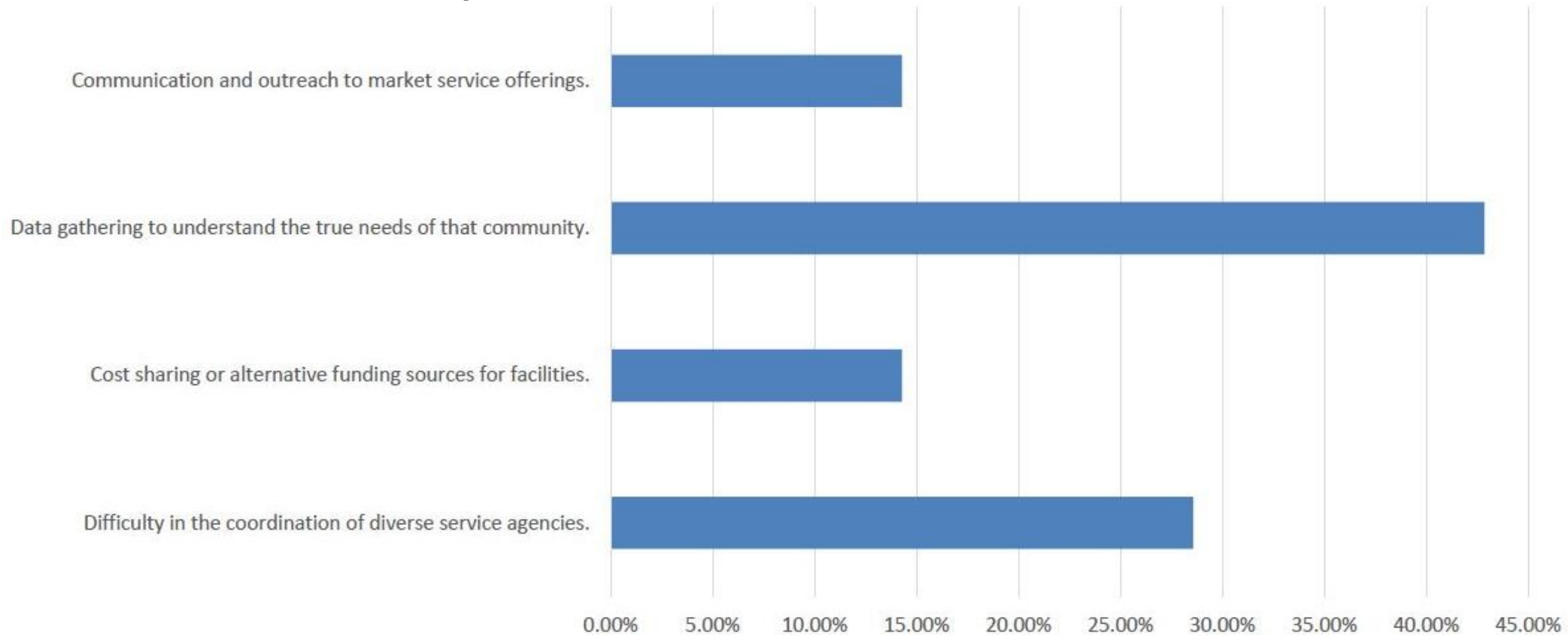
## Question 1

What development and building regulation adjustments are needed to further reduce health risks and aid in supporting healthy lifestyles?



## Question 2

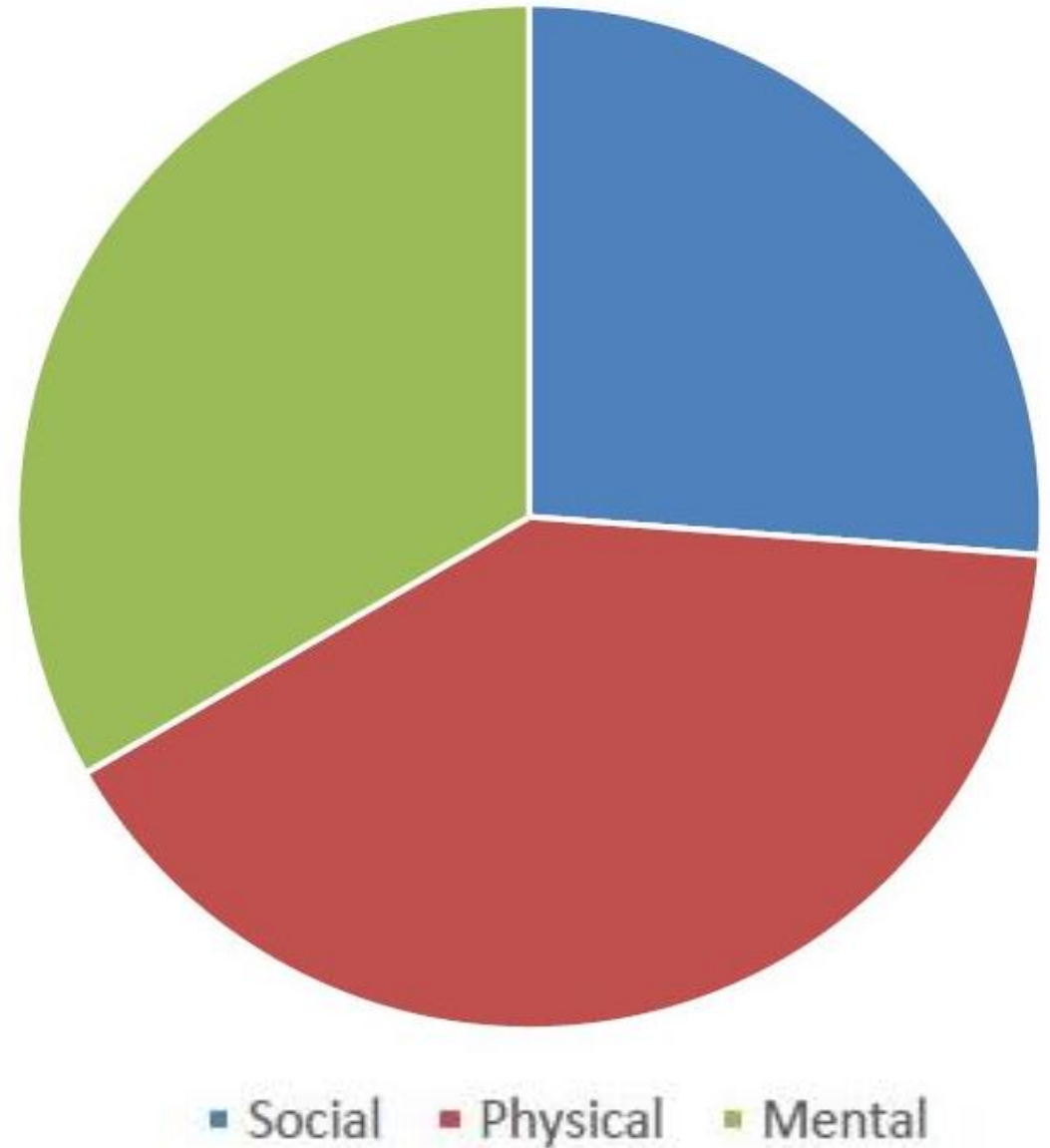
With the concept of co-locating healthcare and community services for a more integrated system of care in underserved communities, what is the most important issue that should be considered?



### Question 3

Based on existing available data, when projects begin with a “Health First” standard in mind, how would you prioritize (rank the order) the following as drivers of the design process?

- *Physical Health*
- *Social Health*
- *Mental Health*

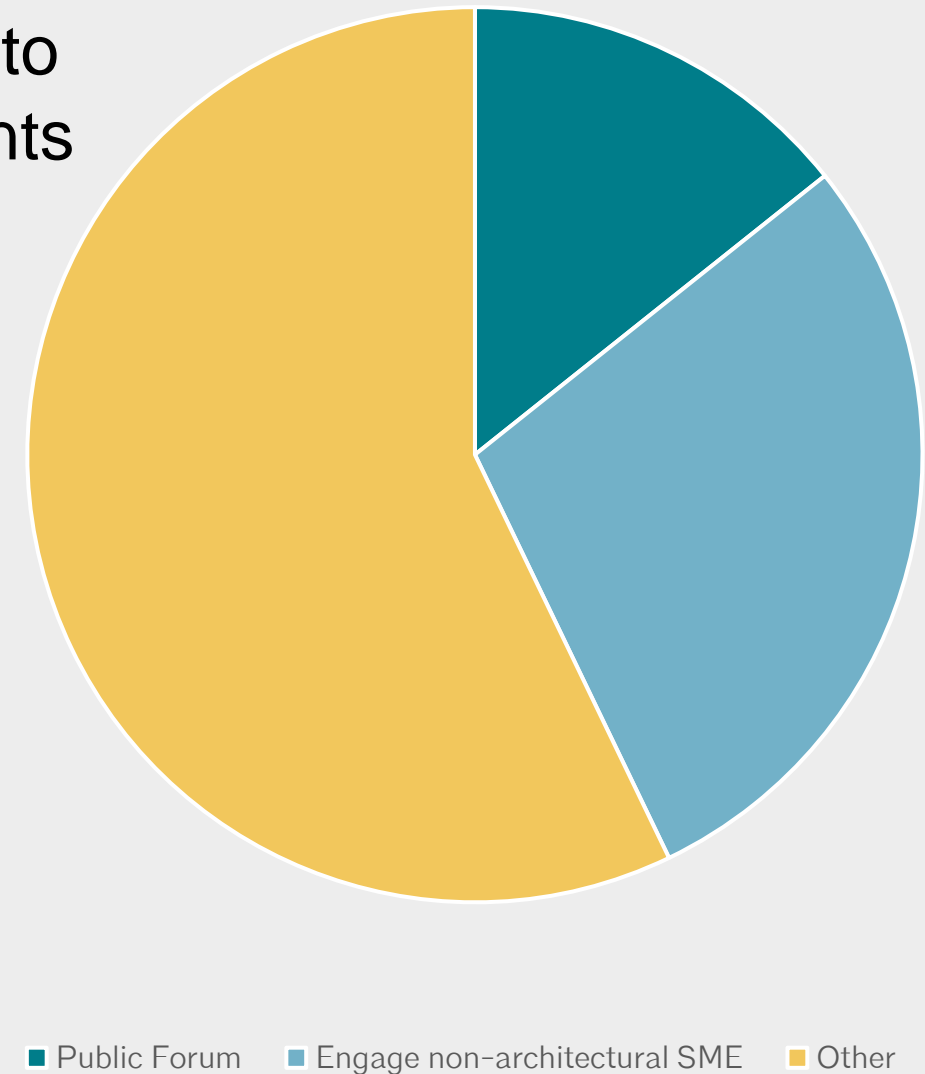


## Question 4:

What are the best methods architects can utilize to improve the environmental and social determinants of health?

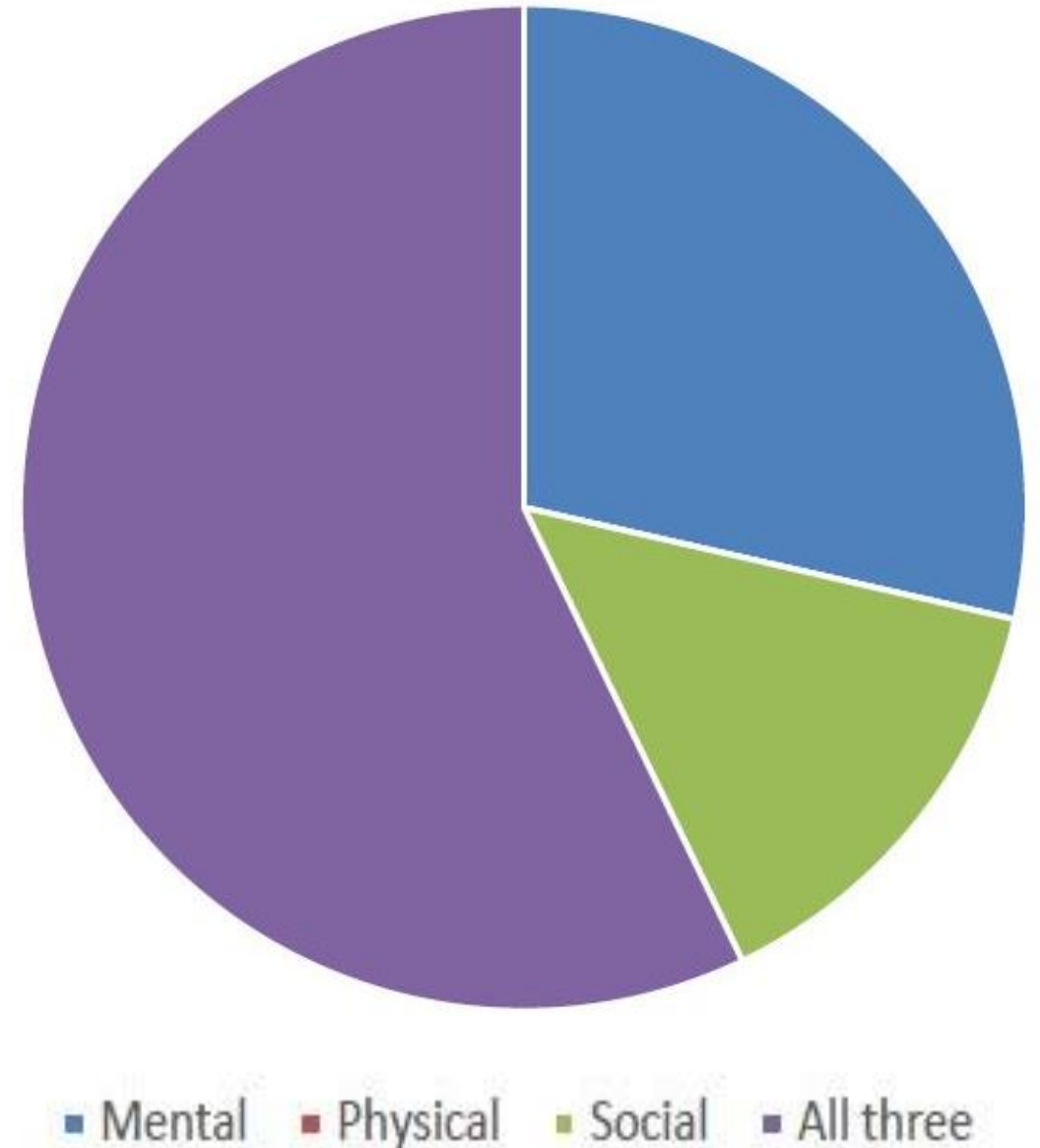
### “Other”

- Architectural Epidemiology
- Understanding the SDH goes beyond the environment (typically defined as air/water) to consider the design of the built environment as an underlying factor
- Health Review of the Design – is there a better way?
- Dual training – required training
- Advocate for Public Funding



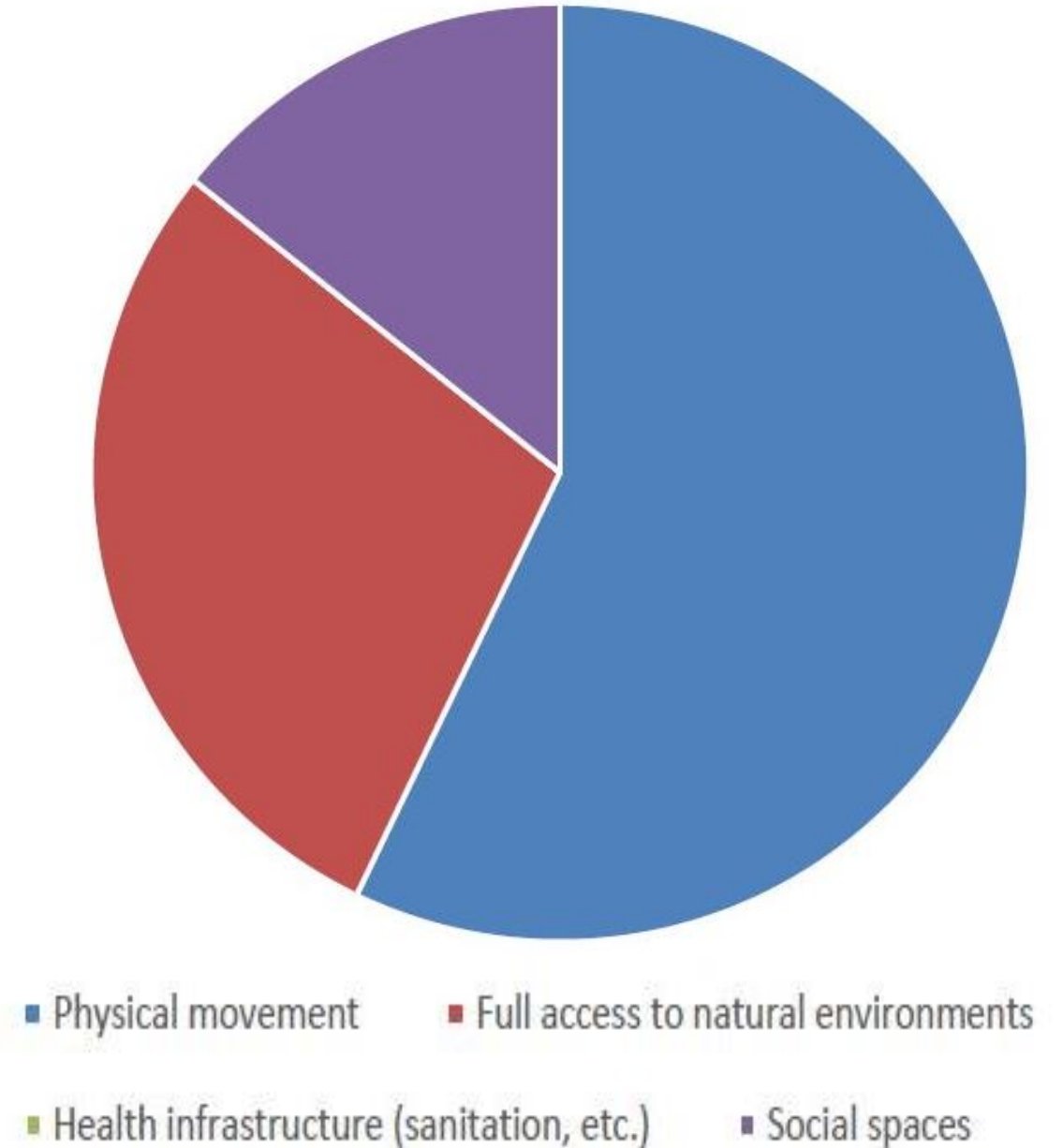
## Question 5

When integrating nature (i.e. urban greening/biophilic design/urban architecture) into built environment interventions, what aspects of health are impacted most?



## Question 6

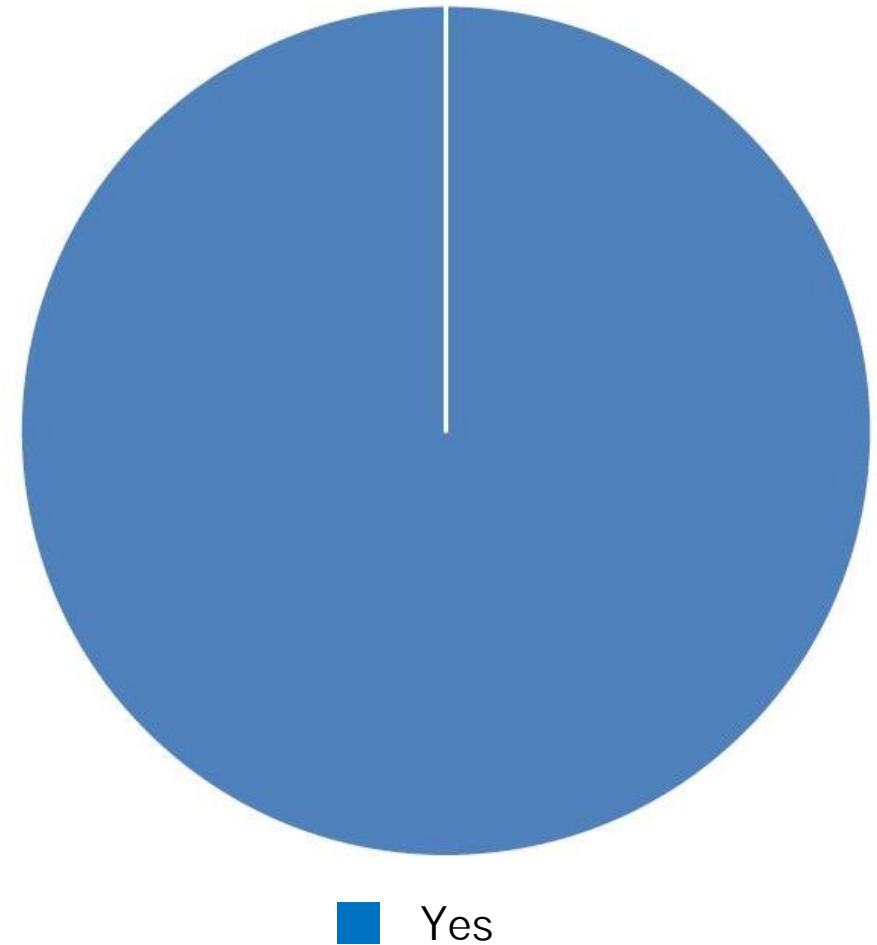
What effective current or historical strategies promote the value of health design choices?



## Question 7

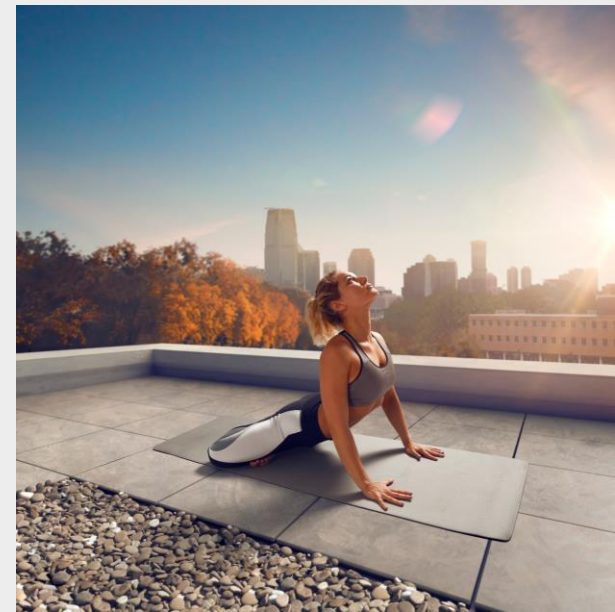
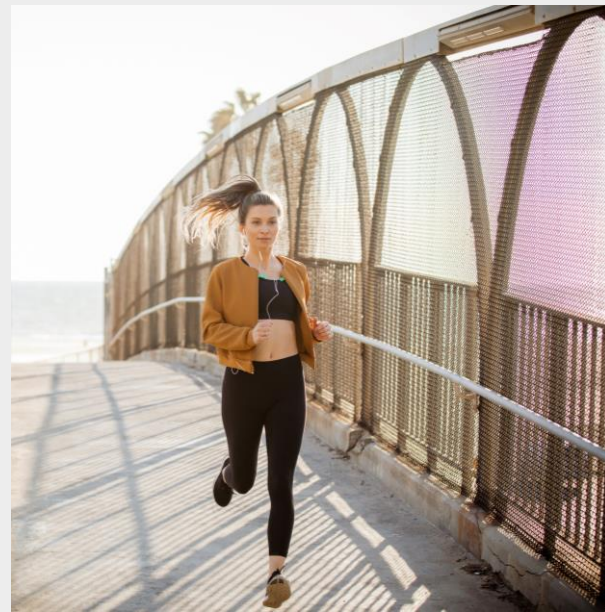
Is designing for health an ethical imperative and, if so, how should the AIA Code of Ethics be adjusted to require the health effects to be considered?

- Human health is always related to ethics and should always be protected. References should be part of the Code of Ethics.
- The topic should be researched and if substantial convincing data exists, editions to the Code of Ethics might be considered.
- Science of defining for health and ethical discussions are indeterminate and cannot be codified.
- Code of Ethics should only be used to govern offensive behavior.



## Where our Subject Matter Experts agree...

- Physical Health should be the primary driver in a “health first” design approach
- Designing for Health should be an ethical imperative for architects



# INTERVIEWING THE EXPERTS



**Andrew Dannenberg, MD, MPH**



**Ray Pentecost, FAIA, FACHA,  
LEED AP**



**Ellen Taylor, PhD, AIA, MBA,  
EDAC**



**Allen Weiss, MD**



**Liz York, FAIA**

# AIA Focus Recommendations

## ► MESSAGING

- Promote theme of Architects as Public Health Professionals
- Include Design for Wellbeing in AIA Awards Program
- Include Research for Wellbeing in AIA Awards Program
- Consider adjusting *Health, Safety, & Welfare* to *Health, Safety, & Wellbeing*
- Add imperative: Design for Wellbeing within The AIA Code of Ethics



# AIA Focus Recommendations

## ► EDUCATION

- Promote Public Health in all architecture degree programs
- Promote Research Methods in all architecture degree programs
- Promote Design Principles in all Public Health programs
- Produce AIA Guide on *Public Health Data Research*
- Produce AIA Guide on *Designing Healthy Buildings*  
(OR expand on existing guide)

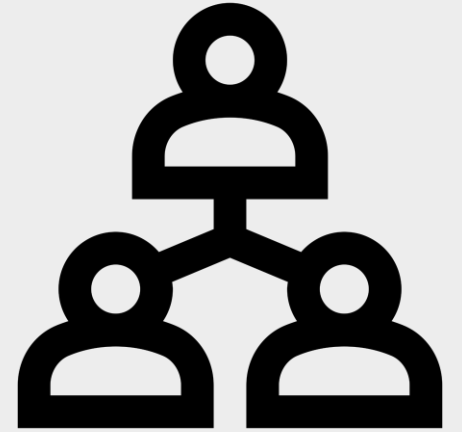
<https://www.aia.org/showcases/6082617-design-for-well-being>



## AIA Focus Recommendations

### ▶ **OUTREACH TO RELATED ORGANIZATIONS**

- AMA American Medical Association
- APHA American Public Health Association
- CDC Centers for Disease Control
- NSF National Science Foundation
- OSHA Occupational Safety & Health Administration
- ULI Urban Land Institute



## NEXT STEPS

- Health overlay on all AIA Strategic Council initiatives in 2024
- Overarching question: How might we “Design for Life”?
- Outreach to U.S. Mayors regarding life expectancy disparities
- Advocacy for the introduction of Chief Architect for municipalities
- Overarching message: Architects protect the Health, Safety and Welfare of the public and must be involved in civic decision-making
- AIA Communications team to develop 2024 health messaging strategy