Health, Equity, and Sustainability

- Social Inequities
- Institutional Power
- Systems
  - Other Environmental Impacts
  - Greenhouse Gas Emissions
- Living Conditions
- Health Risks (Behaviors, Exposures)
- Air
  - Water
  - Soil
  - Noise
- Climate Change
- Health Impacts & Inequities
“Climate change is the biggest global health threat of the 21st century... The impacts will be felt all around the world – and not just in some distant future but in our lifetimes and those of our children.”

The Lancet
THE CLIMATE GAP

Inequalities in How Climate Change Hurts Americans & How to Close the Gap
Key elements: Health, Equity, & Sustainability

What is a Healthy Community?

- **Meets basic needs of all**
  - Safe, sustainable, accessible and affordable transportation options
  - Affordable, accessible and nutritious foods and safe drinkable water
  - Affordable, high quality, socially integrated and location-efficient housing
  - Affordable, accessible and high quality health care
  - Complete and livable communities including quality schools, parks and recreational facilities, child care, libraries, financial services and other daily needs
  - Access to affordable and safe opportunities for physical activity
  - Able to adapt to changing environments, resilient, and prepared for emergencies
  - Opportunities for engagement with arts, music and culture

- **Quality and sustainability of environment**
  - Clean air, soil and water, and environments free of excessive noise
  - Tobacco- and smoke-free
  - Green and open spaces, including healthy tree canopy and agricultural lands
  - Minimized toxics, greenhouse gas emissions and waste
  - Affordable and sustainable energy use
  - Aesthetically pleasing

- **Adequate levels of economic, social development**
  - Living wage, safe and healthy job opportunities for all, and a thriving economy
  - Support for healthy development of children and adolescents
  - Opportunities for high quality and accessible education

- **Health and social equity**

- **Social relationships that are supportive and respectful**
  - Robust social and civic engagement
  - Socially cohesive and supportive relationships, families, homes and neighborhoods
  - Safe communities, free of crime and violence
Health in All Policies

- Health, equity, and sustainability
- Intersectoral collaboration
- Co-benefits
- Engage community & stakeholders
- Create structural or procedural change
Industrialized Agriculture

- **CAFOs**
  - Methane
  - Nitrates
  - Antibiotic resistance
  - Dust
  - Air pollution

- **Fertilizer**
  - Nitrates
  - Nitrous Oxide
  - Dead Zones

- **Pesticides**
  - Worker health
  - Air, water, food

- **Working conditions & wages**
  - Poverty
  - Housing
  - Family stability

- **Water use**

- **Food**
  - Calories & Fat
Green Infrastructure

- Greenways
- Raingardens
- Wetlands Restoration
- Trees
- Green roofs
- Swales
- Porous Pavement
- Green Streets
- Native landscaping
- Community Gardens
- Culvert Removal

- Air Quality Improvement (PM removal)
- Enhanced well-being
- Increase safe spaces for physical activity
- Increase social capital
- Decrease crime
- Decrease urban heat island
- Increase healthy food access
- Decrease CO2
- Decrease energy use
- Increase property values
- Increase access to nature
- Increase environmental equity
- Increase access to nature
What will it take?

- Institutionalization
  - Resources, organizational structures, legal mandates
- Substantive community and stakeholder engagement
- Societal and government prioritization of health, equity, and sustainability
- Leadership and political will
- Robust democracy & social movements
Thank you.

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