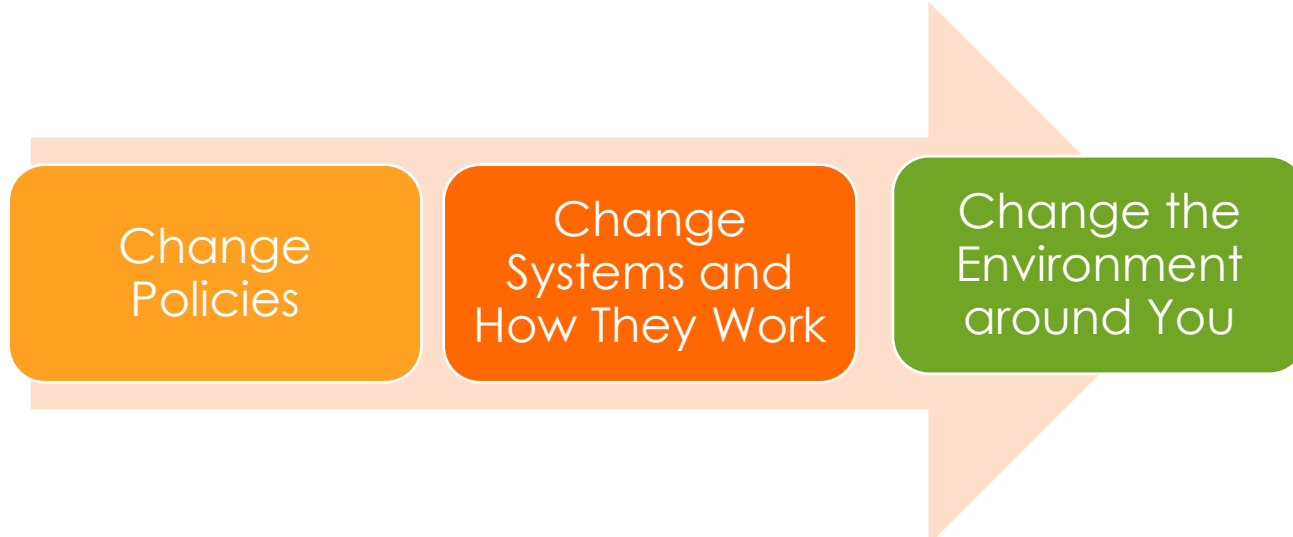
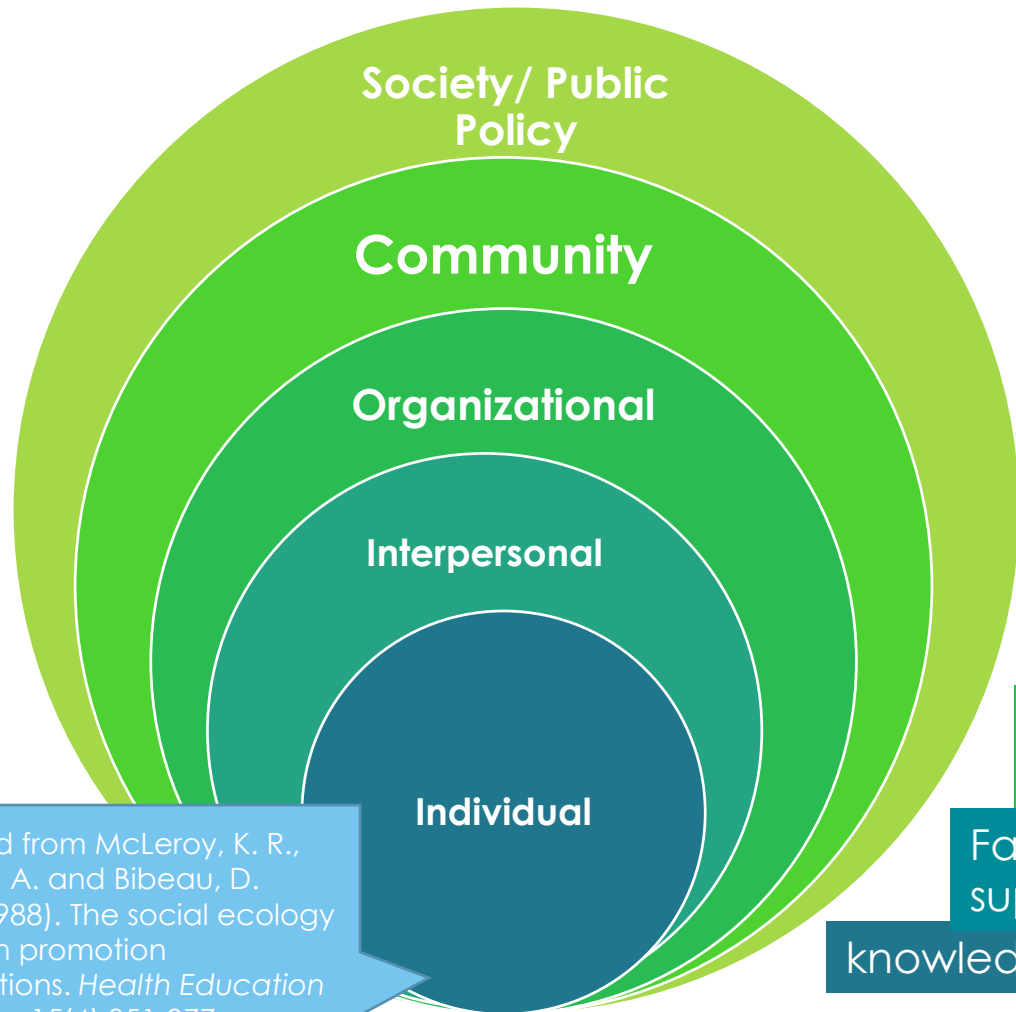


# POLICY, SYSTEMS, AND ENVIRONMENTAL CHANGE



<b>Policies at the legislative or organizational level</b>	<b>Changes made to the rules within an organization; often focuses on changing infrastructure or instituting processes or procedures</b>	<b>Change made to the physical environment (or social / economic factors)</b>
Ex 1: locality cigarette tax (P) or organizational tobacco-free policy (p). Ex 2: policy on no soda in vending machines, at school events.	Ex 1: creating a certification process for school bake sales to ensure they are in line with school wellness policy. Ex 2: school switches procurement and cooking systems to fresh from scratch foods.	Ex 1: installing bike signage for bike routes or sidewalk installation and pedestrian friendly intersections to promote walking and biking. Ex 2: installing school gardens (expose students to fresh produce, teach about how food grown).

# SOCIAL ECOLOGICAL MODEL



Local, state, national, and international laws/policies

Cultural values and norms, built environment, media, coalitions, associations, neighborhoods

Schools, work, faith-based, community clinics, agencies

Families, friends, social networks and support systems, peers, CHWs

knowledge, attitudes, behaviors

Adapted from McLeroy, K. R., Steckler, A. and Bibeau, D. (Eds.) (1988). The social ecology of health promotion interventions. *Health Education Quarterly*, 15(4):351-377.

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# *What Is Policy, Systems and Environmental (PSE) Change?*

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Policy, systems and environmental change approaches seek to go beyond programming and into the systems that create the structures in which we work, live and play. These approaches often work hand-in-hand where, for example, an environmental change may be furthered by a policy or system change. Similarly a policy could be put in place that results in additional environmental changes. The process is not linear.

At the end of the day, an effective PSE approach should seek to reach populations and uncover strategies for impact that are sustainable. Efforts may accelerate the adoption or implementation of effective interventions by effectively integrating approaches into existing infrastructures. Such approaches often include advocates, decision and policy makers.<sup>1</sup>

## *Event/Program vs. PSE Change*

<i>Characteristics of Event or Program</i>	<i>Characteristics of PSE Change</i>
One time	Ongoing
Additive: often results in only short-term behavior change	Foundational: often produces behavior change over time
Individual level	Community/Population level
Not part of ongoing plan	Part of an ongoing plan
Short term	Long term
Non-sustaining	Sustaining

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## *What is Policy Change?*

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Policy change includes policies at the legislative or organizational level. For example, institutionalizing new rules or procedures as well as passing laws, ordinances, resolutions, mandates, regulations, are all examples of policy change efforts. Government bodies (federal, state, local level), school districts and schools, park districts, healthcare organizations (hospitals, health systems), worksites, and other community institutions (jails, daycare centers, senior living centers, faith institutions) all have and make policies.

Examples include:

- Changing local zoning ordinances so that corner markets can display produce outdoors
- Provision of county or city public land (or previously vacant land) for green spaces or farmers' markets.
- Changing community park laws to allow fruit trees
- Establishing healthy concession stand policies in local parks or recreation facilities

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<sup>1</sup> Robert Wood Johnson Foundation

- Schools requiring healthy food options for all students.
- School policy that prohibits unhealthy food in school fundraising drives.
- Passing a law allowing residents to plant community gardens in vacant lots.
- A human resources policy that requires healthy foods to be served at meetings.

### What is Systems Change?

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Systems change involves change made to the rules within an organization. Systems change and policy change often work hand-in-hand. Often systems change focuses on changing infrastructure within a school, park, worksite, or health setting or instituting processes or procedures at the system level that ensure a healthier workplace. Examples are:

- Screening for Hunger in Hospitals and developing ongoing mechanisms to refer hungry residents to food
- Farm to School programs
- Connecting emergency food providers with local growers in a sustainable way
- Creating a community plan to account for health impacts of new projects.
- Implementing the national school lunch program across the state school systems.
- Creating a certification process for school bake sales to ensure they are in line with school wellness policy.

### What is Environmental Change?

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Environmental change is change made to the physical environment. Physical (Structural changes or programs or service), social (a positive change in attitudes or behavior about policies that promote health or an increase in supportive attitudes regarding a health practice), and economic factors (presence of financial disincentives or incentives to encourage a desired behavior) influence people's practices and behaviors. While related to the environment, such changes are not isolated to a few households or individuals, but instead reflect a population-focused effort. Examples of changes to the environment might include:

- Incorporating sidewalks, paths, pedestrian friendly intersections, and recreation areas into community design (complete streets policy).
- Installing signage on already established walking or biking routes.
- Municipality planning process to ensure better pedestrian and bicycle access to main roads and parks.
- Availability of healthy food choices in restaurants or cafeterias.
- Increase in acceptance of limiting candy as rewards in classrooms across a school district.
- Charging higher prices for less healthy products to decrease their use.
- Provision of health insurance discounts or bonus dollars for those who exercise frequently.

*Examples of PSE Change in Different Settings*

<i>Setting</i>	<i>Policy Change*</i>	<i>Systems Change*</i>	<i>Environmental Change*</i>
<b>School</b>	Los Angeles School District Healthy Beverage Resolution prohibits the sale of soda in vending machines, student stores, and cafeterias at LAUSD school sites.	<i>Farm to School: District switches procurement and cooking systems to incorporate fresh, local produce and other foods into school meals and integrates it with classroom based education about healthy eating.</i>	<i>Gardens: Garden built on vacant water district land adjacent to school exposes students to fresh produce while teaching them about how food is grown</i>
<b>Community</b>	Safe Routes to School - City adopts policy reducing speed limit near school in order to encourage safe-routes to school and pedestrian safety.	<i>Local Food to Retail: City procurement systems change to source only healthy food for vending machines.</i>	<i>Farmer's Markets: Small-farmers markets are opened at community based organizations and clinics in underserved areas</i>
<b>Worksite</b>	Santa Clara Healthy Food Policy Requires 50% of food and beverages sold in County vending machines meet specific nutrition guidelines and sets nutrition standards for county sponsored meetings and events.	<i>Reimburse Prevention: Reimburse employees for preventive health and wellness activities</i>	<i>Healthy Options: Healthy food options are available for employees during the workday and at all meetings</i>
<b>Hospital</b>	<i>Hospital</i> adopts a policy and process for operation of Farmers' Markets onsite at the County Hospital, and other County properties.	<i>Referral Systems: Develop a referral system to help patients access further nutrition and physical activity resources.</i>	<i>Farmer's Markets: Onsite Farmers' Market enhances staff and community access to fresh produce.</i>

\*Note: Process is not necessarily linear (policy change → environmental change OR environmental change → policy change);

\*Adapted from the Environmental Nutrition and Activity Community Tool (ENACT): <http://eatbettermovemore.org/sa/enact/members/index.php> and Local Policy Database: <http://eatbettermovemore.org/sa/policies/> \*\* Adopted from Centers for Disease Control