Identifying Disadvantaged Communities
Comparison of the California Health Disadvantage Index with CalEnviroScreen

**Purpose**

Health Disadvantage Index
Tool to identify disadvantaged communities statewide based on factors influencing health, development and well-being (Social Determinants of Health).

CalEnviroScreen
Tool to help CalEPA target cleanup/remediation resources statewide by identifying communities with multiple pollution burdens.

**Developer**

Public Health Alliance of Southern California and statewide local health department data experts

CalEPA’s Office of Environmental Health Hazard Assessment (OEHHA)

**California Health Disadvantage Index Methodology**

<table>
<thead>
<tr>
<th>Economic Resources</th>
<th>Social Resources</th>
<th>Educational Opportunity</th>
<th>Health Outcomes</th>
<th>Environmental Hazards</th>
<th>Complete Neighborhoods</th>
</tr>
</thead>
<tbody>
<tr>
<td>50</td>
<td>15</td>
<td>10</td>
<td>10</td>
<td>10</td>
<td>5</td>
</tr>
<tr>
<td>Poverty Crowding</td>
<td>High school educational attainment</td>
<td>Residents whose age makes them eligible for, but not enrolled in Preschool High School</td>
<td>Population disabled Low Birth Weight Years of Life Lost Asthma ER Visits</td>
<td>Pedestrian Injuries PM 2.5 Concentration Traffic Density</td>
<td>Supermarket Access Park Access Retail Density Transit Service</td>
</tr>
<tr>
<td>Housing Cost</td>
<td>Linguistic Isolation Renter Occupied Voting Single Parent Households</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Unemployment Rate</td>
<td>Negative</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>No Auto Access</td>
<td>No Kitchen</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Median Income</td>
<td>Uninsured</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Uninsured</td>
<td>No Kitchen</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**CalEnviroScreen Methodology**

Pollution Burden
- Ozone concentrations
- PM2.5 concentrations
- Diesel PM emissions
- Pesticide use
- Drinking water contaminants
- Toxic releases from facilities
- Traffic density
- Cleanup sites (1/4)
- Groundwater threats (1/5)
- Hazardous waste (1/5)
- Impaired water bodies (1/5)
- Solid waste sites and facilities (1/5)

Population Characteristics
- Children and elderly Low birth-weight births Asthma emergency department visits
- Educational attainment Linguistic isolation Poverty Unemployment

CalEnviroScreen Score
Max 100 points

Max 10 points
Max 10 points
Comparing Outcomes

Number of census tracts identified as “Disadvantaged” (in the top 25%) of scores statewide by tool.

CalEnviroScreen does not identify 32% of the most health disadvantaged census tracts (as defined by the Health Disadvantage Index) as disadvantaged.

Because their census tracts are not identified by the CalEnviroScreen tool, the 3.2 million highly disadvantaged people who live in those census tracts will not be eligible for disadvantaged community set asides under the Greenhouse Gas Reduction fund.

For more information

Health Disadvantage Index:
Map: [http://goo.gl/eZl5aP](http://goo.gl/eZl5aP)

Contact:
Tracy Delaney Ph.D., R.D.
Executive Director
Public Health Alliance of Southern California
tdelaney@phi.org
work: 619.722.3403
cell: 619.873.6444

[http://www.PHASoCal.org](http://www.PHASoCal.org)