AIR POLLUTION & HEALTH IMPACTS

AB 617 COMMUNITY MEETING
SAN LEANDRO, CALIFORNIA
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Alameda County Health Officer
What puts people at risk of health impacts from air pollution?
High levels of air pollution are observed in parts of East Oakland, San Leandro, and Hayward along the I-880 corridor.
East Oakland and parts of Ashland, Cherryland, San Lorenzo, and Fairview have a high burden of asthma ED visits.
Parts of East Oakland have the highest rates of asthma hospitalizations in the county.
Asthma hospitalizations have gone down, but asthma emergency department visits went up.
Multiple factors may be contributing to the declining trend in child asthma hospitalizations.

- Improvements in asthma management
- Better access to healthcare
- Built environment improvements
- Reductions in air pollution emissions
Cancer death rates are especially high in parts of East Oakland and Cherryland.
Heart disease death rates are notably high in parts of East Oakland and Hayward.
Stroke death rates are highest in parts of East Oakland, San Leandro, Ashland, Cherryland, Hayward, and Fairview.
Cancer, heart disease, stroke and chronic lower respiratory disease are top 5 leading causes of death in Alameda County.

<table>
<thead>
<tr>
<th>Leading Causes of Death in Alameda County</th>
<th>Percentage of all deaths</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cancer</td>
<td>23%</td>
</tr>
<tr>
<td>Heart Disease</td>
<td>20%</td>
</tr>
<tr>
<td>Stroke</td>
<td>7%</td>
</tr>
<tr>
<td>Alzheimers Disease</td>
<td>6%</td>
</tr>
<tr>
<td>Chronic Lower Respiratory Disease</td>
<td>5%</td>
</tr>
<tr>
<td>Unintentional Injuries</td>
<td>7%</td>
</tr>
<tr>
<td>Diabetes</td>
<td>3%</td>
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</tbody>
</table>
Due to cumulative health risks and impacts, life expectancy is especially low in East Oakland and parts of Central County.
These health inequities did not happen overnight. They have deep roots in historical practices, like racial redlining.
Impoverished areas see long-standing disinvestment, meaning fewer resources and weaker infrastructure to support health.
African Americans and Latinos are most likely to have to live in high poverty neighborhoods with barriers to good health.

1 in 10 White residents live in high-poverty neighborhoods, compared to:

1 in 7 Asians

1 in 3 Latinos

1 in 2 Blacks

African Americans are especially exposed to and impacted by cumulative health risks.

**Life Expectancy by Neighborhood Poverty Level and Race**

Alameda County, 2013-2015

<table>
<thead>
<tr>
<th>Neighborhood Poverty Level (% residents living in poverty)</th>
<th>Life Expectancy at Birth (Years)</th>
</tr>
</thead>
<tbody>
<tr>
<td>&lt;5.0%</td>
<td>AfAm/Black: ~80, White: ~78, Hisp/Lat: ~76, Asian: ~77</td>
</tr>
<tr>
<td>5.0-9.9%</td>
<td>AfAm/Black: ~78, White: ~76, Hisp/Lat: ~74, Asian: ~75</td>
</tr>
<tr>
<td>10.0-19.9%</td>
<td>AfAm/Black: ~76, White: ~73, Hisp/Lat: ~72, Asian: ~73</td>
</tr>
<tr>
<td>20.0-29.9%</td>
<td>AfAm/Black: ~74, White: ~71, Hisp/Lat: ~70, Asian: ~71</td>
</tr>
<tr>
<td>30%+</td>
<td>AfAm/Black: ~72, White: ~69, Hisp/Lat: ~69, Asian: ~70</td>
</tr>
</tbody>
</table>

AB 617 provides opportunities to reduce air pollution emissions and maximize health co-benefits in most impacted communities.
Thank you!
For questions or more info, please contact us:

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