Drivers for SFDPH Involvement in Healthy City Planning (1999-2004)

- EJ organizing around power plant closure & Superfund site cleanup
- Dot-com boom increased gentrification, displacement & land use conflict
- Community organizing around displacement and transportation justice
- Neighborhood groups demanding increased tenant protections

Environmental Health Impacts

- Substandard housing → increases risk of injury, lead poisoning, and overcrowding
- Noise and air quality issues → increases asthma, cardiovascular disease, and affects sleep
- Poor community design → lack of physical activity, increased diabetes, and pedestrian injury
- Reduction in blue-collar jobs → alcoholism, depression, heart disease, and suicide

Legitimizing Public Health Models

- Analyzed health impacts of local living wage ordinance
- Cross sector alliance on food systems & transportation
- Participatory research in environmental justice issues
- Social determinants to health & health equity frameworks

ENCHIA (2004-2007)

An 18-month long collaborative, multi-stakeholder, consensus-based approach to analyze how development in three San Francisco, CA neighborhoods affects community and individual health.

HIA Stage

SCREENING
Planning Department rezoning San Francisco's Eastern Neighborhoods; community members concerned that health, social, and equity impacts would not be considered through the traditional environmental review process.

SCOPING
In collaboration with the Planning Department, SFDPH convenes a community council to conduct an HIA and creates:
- Healthy City Vision
- Community Health Objectives (27 Total)

ASSESSMENT
- Healthy Development Measurement Tool (HDMT) creation and applied analysis to Eastern Neighborhoods Plans:
  - Existing Conditions Analysis: 100+ Community Health Indicators
  - Impact Analysis: Evaluated with HDMT Development Checklist
  - Recommendations: informed by HDMT Policy & Design Strategies, Health-based Rationale/Evidence
- Environmental Health Impact Analysis of Air Pollution, Noise & Pedestrian Hazards

REPORTING
- Editing of Eastern Neighborhoods (EN) Area Plans
- SFDPH Analysis included in EN Environmental Impact Report
- Meetings with ENCHIA Stakeholders & Planning Department
- Presentations to city, state & national stakeholders
- Publication of findings in a peer-reviewed journal

.monitoring
- Annual Updates of HDMT Indicators facilitates monitoring
- Participating in Transportation Planning Advisory Group
- Reviewing Implementation Plans

Institutionalization of Healthy City Planning in San Francisco (2004-present)

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<tr>
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<tbody>
<tr>
<td>• Treasure Island Community Transportation Planning</td>
<td>Government Agencies (Local, Regional):</td>
<td>• Health Development Measurement Tool (HDMT)</td>
<td>• Local ordinance requiring the analysis and mitigation of</td>
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<tr>
<td>• Western SoMa Citizens Planning Task Force</td>
<td>City Planning Department &amp; Transportation</td>
<td>• Air Quality Measurement and Modeling</td>
<td>traffic-related air pollution impacts on new residential</td>
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<td>• HIA of Freeway Channels in Southeastern San Francisco</td>
<td>Mayor’s Office</td>
<td>• San Francisco Noise Model</td>
<td>development (Article 38, San Francisco Health Code)</td>
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<td>(retrospective)</td>
<td>Regional Air District</td>
<td>• Pedestrian Environmental Quality Index</td>
<td>• Modernization of City noise standards and enforcement</td>
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<td>• City Open Space Task Force</td>
<td>Redevelopment Agency</td>
<td>• Vehicle-Pedestrian Injury Collision Model</td>
<td>rules</td>
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<td>• Congestion Pricing HIA</td>
<td>Public Utilities Commission</td>
<td>• Bicycle Environmental Quality Index</td>
<td>• Board of Supervisors Resolution urging SFDPH to work</td>
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<td>• HDRM Evaluation of HOPE SF Public Housing</td>
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<td>• Retail Food Availability Survey</td>
<td>with local transportation agencies to address</td>
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<tr>
<td>• Departmental Climate Planning</td>
<td>Community Stakeholders, NGOs representing:</td>
<td>• Neighborhood Completeness Indicator</td>
<td>adverse health impacts of traffic, including trucks, on</td>
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<tr>
<td>• SFDPH Noise Task Force</td>
<td>• Sustainable Transportation (walking, biking, transit)</td>
<td>• Pedestrian Flow Model</td>
<td>local residents</td>
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<tr>
<td>• Park Renovation and Health: Technical assistance</td>
<td>• Parks and Open Space</td>
<td><strong>Staff Development/Institutionalization:</strong></td>
<td>• Regular review of health impacts in environmental</td>
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<td>and research in under-served communities</td>
<td>• Affordable Housing</td>
<td>• Creation of Program on Health, Equity and Sustainability’s</td>
<td>review process (e.g., air quality, noise)</td>
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<td>• Cruise Terminal Environmental Advisory Committee</td>
<td>• Healthy Jobs for Low-Income, Immigrant Workers</td>
<td>Urban Health and Place Team that develops and applies the</td>
<td>• Treasure Island Community-based Transportation Plan</td>
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<td></td>
<td>• Environmental Justice</td>
<td>above tools</td>
<td>• Participation in greywater installation and rainwater</td>
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<td>Co-founded California Healthy Places Coalition &amp; Conduct Annual Health Impact Assessment Training</td>
<td><strong>Tools include:</strong></td>
<td>harvesting policy development processes</td>
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</table>

- Air Quality Assessment Results Around Neighborhood Park

- PM2.5 Park Hours (4pm-6pm): Exposure to Particulates (ug/m3)