

CITIES, HEALTH AND WELL-BEING

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Urban Governance for Health Equity



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Urban Governance for Health Equity

Urban Age Conference

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Urban Governance for Health Equity

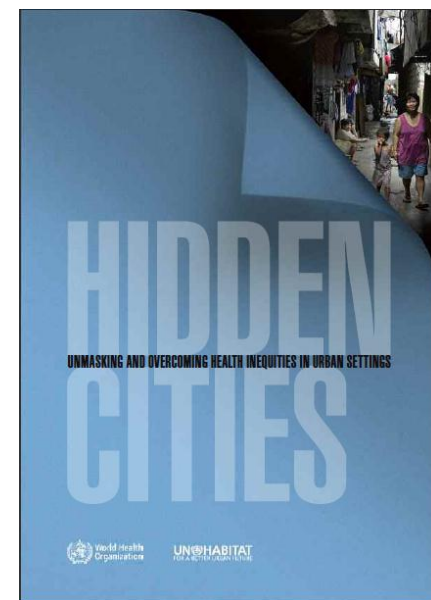
- Place matters - within-city health inequities define healthy city
- Institutions matter – urban planning shapes places
 - ▣ Health Impact Assessment (HIA)
- Science matters – currently ignoring new place-based health science of cities; *adaptive management* alternative?
 - ▣ Examples: San Francisco Bay Area & Nairobi, Kenya

Toward more healthy & equitable cities

- Century of the City = global health is urban health
- Urban residents enjoy better health compared to rural, but within-city inequalities mask spatial differences
- Health in Cities:
 - documenting problems, less on solutions
 - one disease, risk factor, or exposure, but...
- **Why do we continue to treat people, & send them back into the living & working conditions that made them sick in the 1st place?**



World Conference on
Social Determinants of Health
RIO DE JANEIRO | BRAZIL | 19-21 OCTOBER 2011



Urban Health Equity

- Health Inequities = differences in health which are not only unnecessary and avoidable but, in addition, are considered unfair and unjust.
- Health Equity = focused societal efforts to address avoidable inequalities by equalizing the conditions for health for all groups, especially for those who have experienced socioeconomic disadvantage or historical injustices.

Healthy governance \neq health in cities

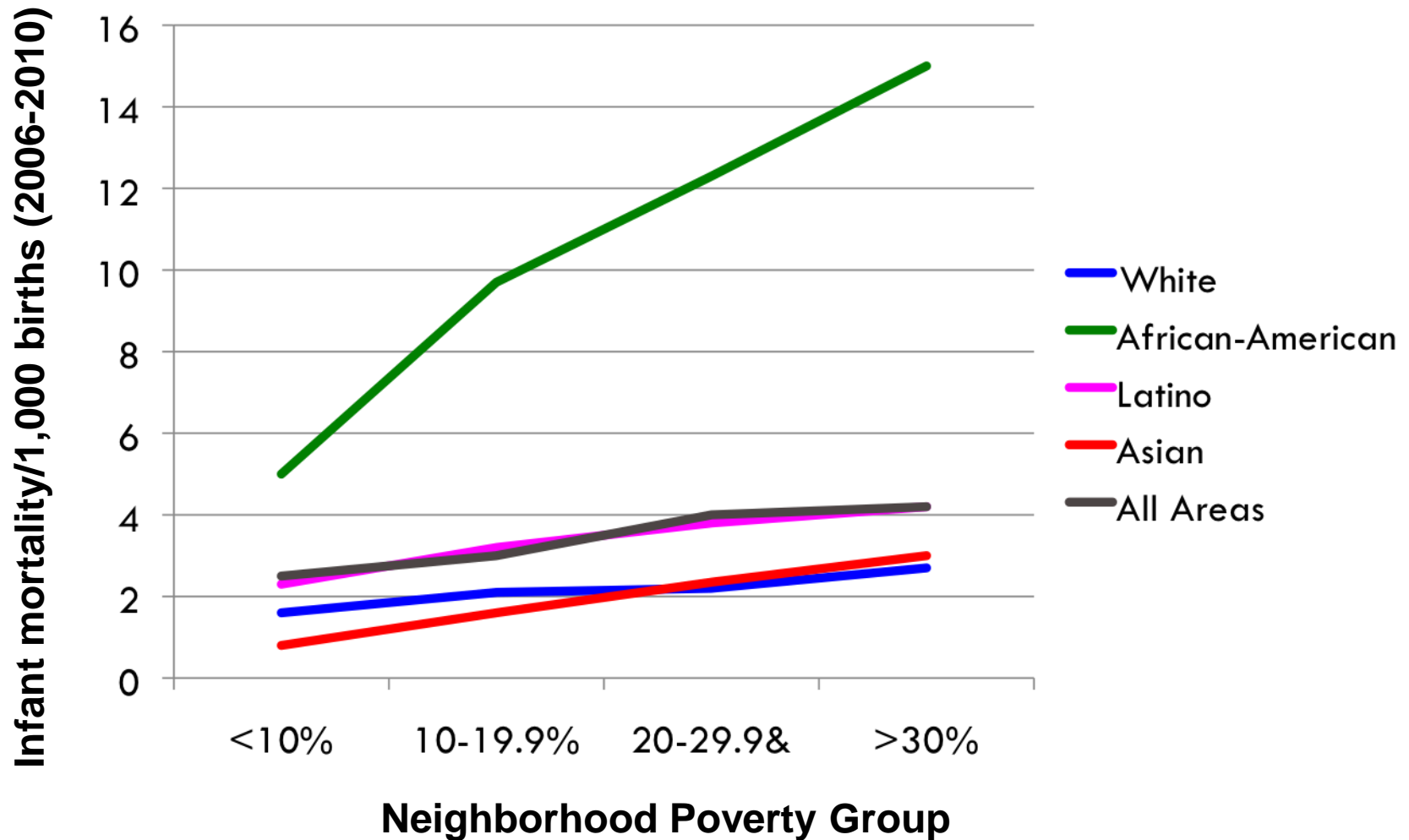
- Governance = not just government, but norms, routines, institutions and evidence-base for generating collective action.
 - Includes processes for:
 1. Identifying/framing new policy issues
 2. Generating evidentiary standards/objectivity strategies
 3. Constituting some social actors as 'experts'
 4. Adjudicating uncertainty/different knowledge claims
 5. Public accountability & transparency
 6. Implementing & monitoring decisions
 7. Processes for learning & adjusting policy

Healthy & Equitable Governance in the San Francisco Bay Area



Infant mortality San Francisco Bay Area: place poverty & ethnicity

8

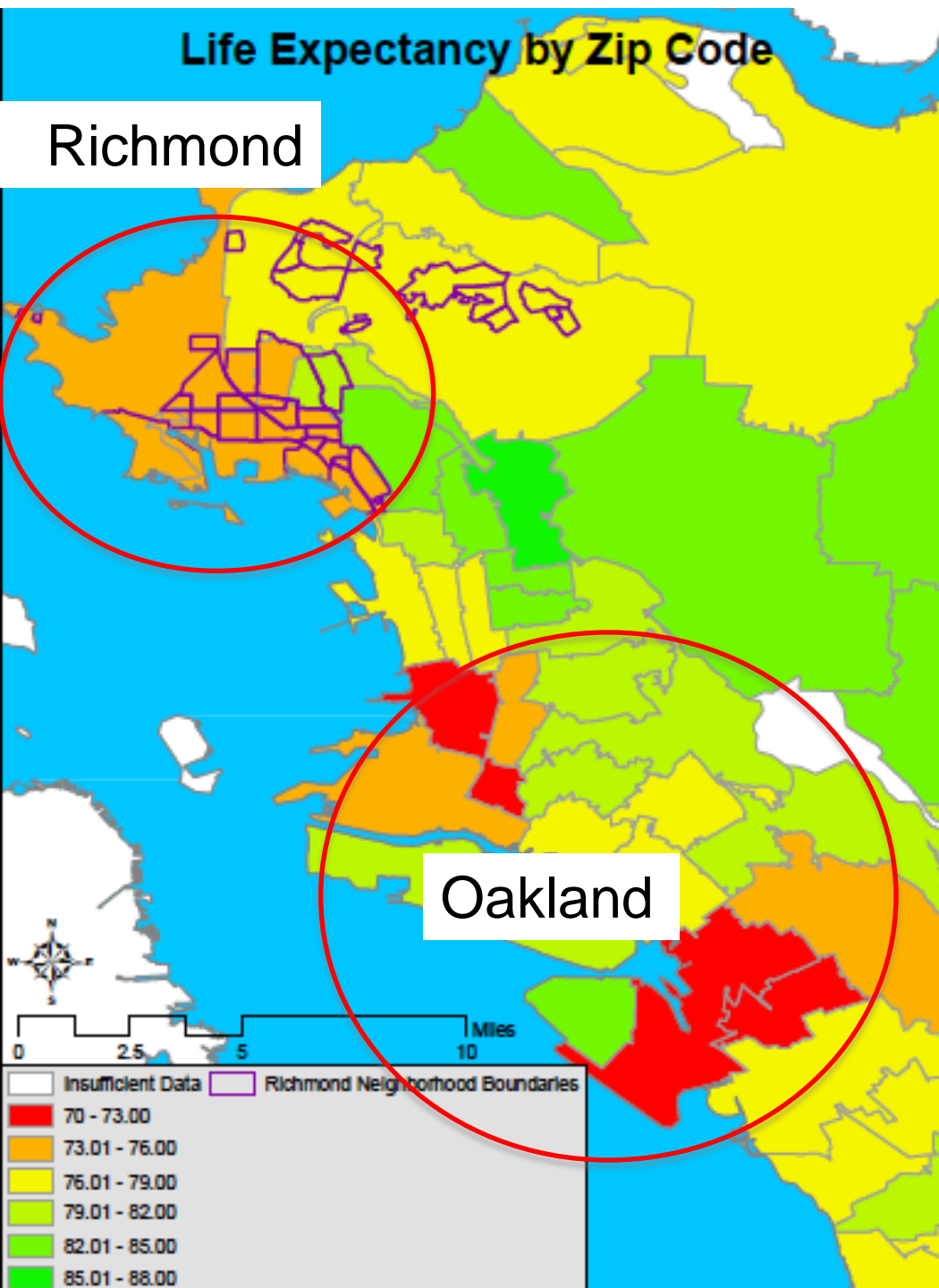


Life Expectancy by Zip Code

Richmond

15 yr. difference
in life
expectancy
according to
where you live

Oakland

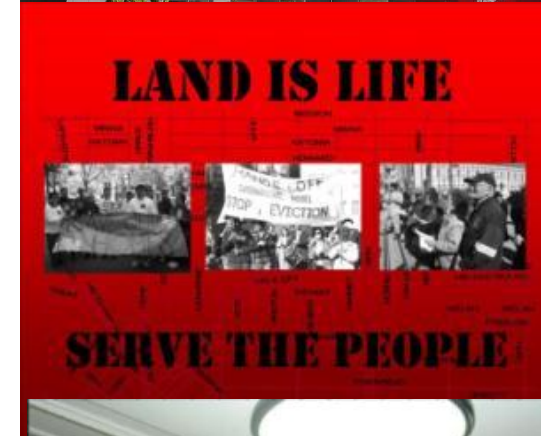


Health Impact Assessment

- Community organizations demand health analyses
- Health Impact Assessment: SF Dept of Health + NGOs:
 - Stress, disruption of child's education & displacement from social/family networks
 - Adverse impacts from noise, pedestrian injuries, residential segregation & lack of parks
 - Air quality – health impacts housing close to highways

Outcomes:

- 1) Developer redesigned project
- 2) Policy changes requiring replacement housing
- 3) Development Impact Fee for healthy infrastructure
- 4) New affordable housing law
- 5) New law mitigating air pollution near roadways



The Healthy Development Measurement Tool

HDMT Organization

Health-based Rationale

Grocery stores are a necessary resource for individuals and families to have access to and eat healthy foods

Baseline Data

Proportion of Population Within 1/2 Mile Access to a Full Service Supermarkets



Healthy City Element

Public Infrastructure

Community Health Objective

Assure access to daily goods and service needs, including financial services and healthy foods

Measurable Indicator

Proportion of households within 1/2 mile from a full-service grocery store

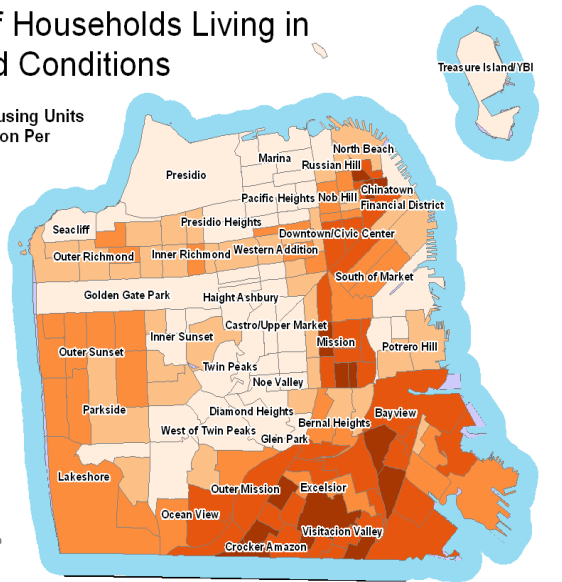
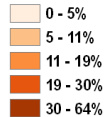
Development Target

For residential uses, is the project within 1/2 mile of a full-service grocery store/supermarket?

San Francisco intra-city inequities: social determinants of health

Proportion of Households Living in Overcrowded Conditions

Percent Occupied Housing Units with More than 1 Person Per Room

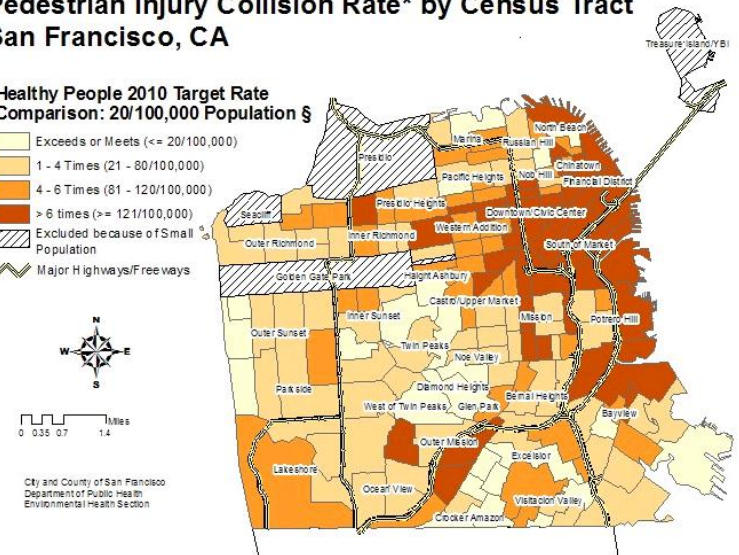
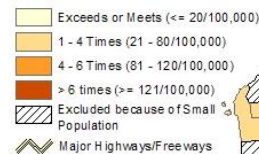


Source: 2000 Census

City and County of San Francisco
Department of Public Health
Environmental Health Section

Pedestrian Injury Collision Rate* by Census Tract San Francisco, CA

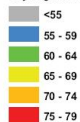
Healthy People 2010 Target Rate
Comparison: 20/100,000 Population §



*Based on 2001-2005 collision data provided by the California Highway Patrol, Statewide Integrated Traffic Records System (SVITRS) and 2000 population data provided by the U.S. Census Bureau.

Transportation Noise Map 2008

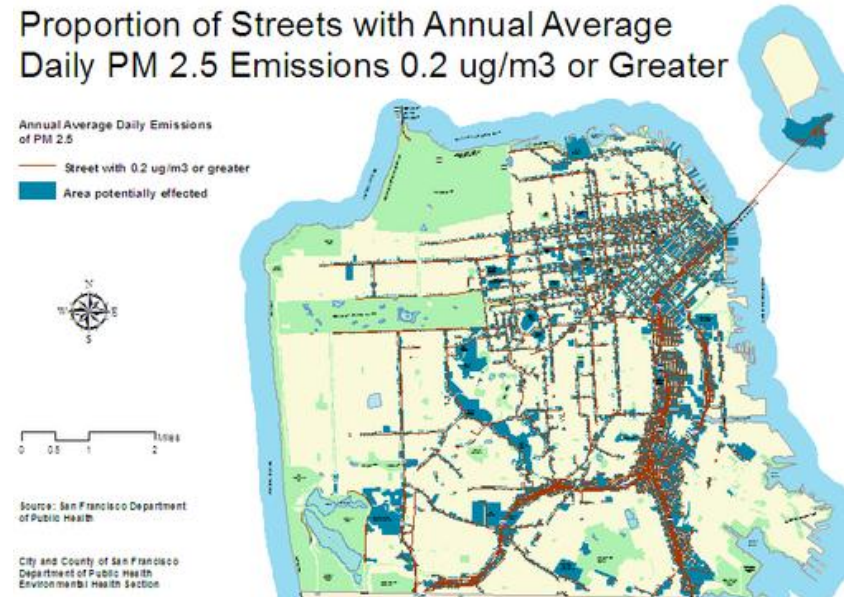
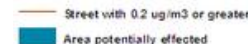
Day-Night Noise Level (Ldn)



San Francisco Department of Public Health
Environmental Health

Proportion of Streets with Annual Average Daily PM 2.5 Emissions 0.2 ug/m3 or Greater

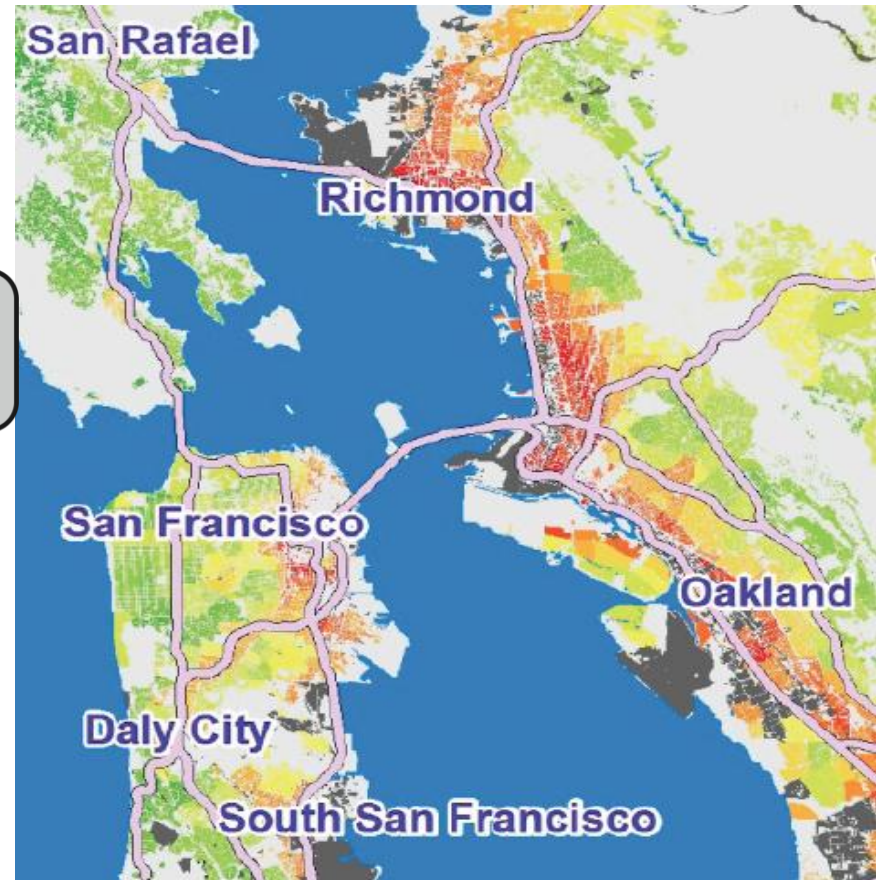
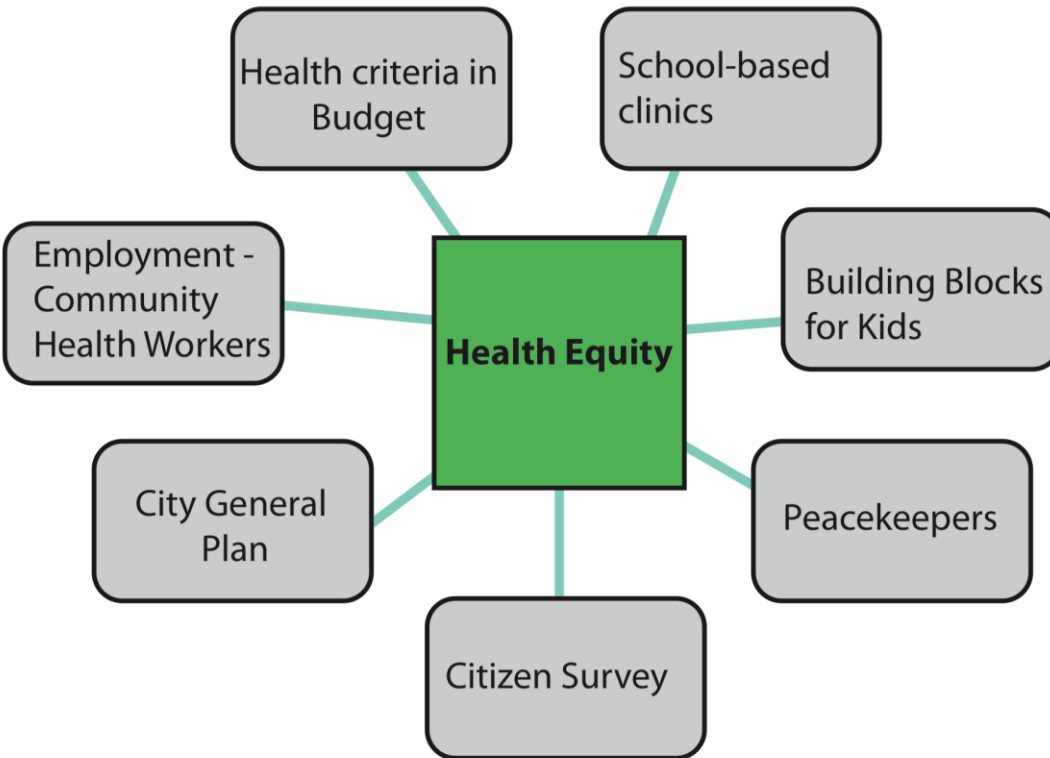
Annual Average Daily Emissions
of PM 2.5



Source: San Francisco Department of Public Health

City and County of San Francisco
Department of Public Health
Environmental Health Section

Health Equity in all Policies: Regional Planning



Building institutions for healthy urban governance in Nairobi's Informal settlements



Slum Dwellers International



University of Nairobi
Department of Urban and Regional Planning
School of the Built Environment
P.O. BOX 30197, Nairobi, Kenya
www.uonbi.ac.ke/ e-mail: durp@uonbi.ac.ke/



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Mapping



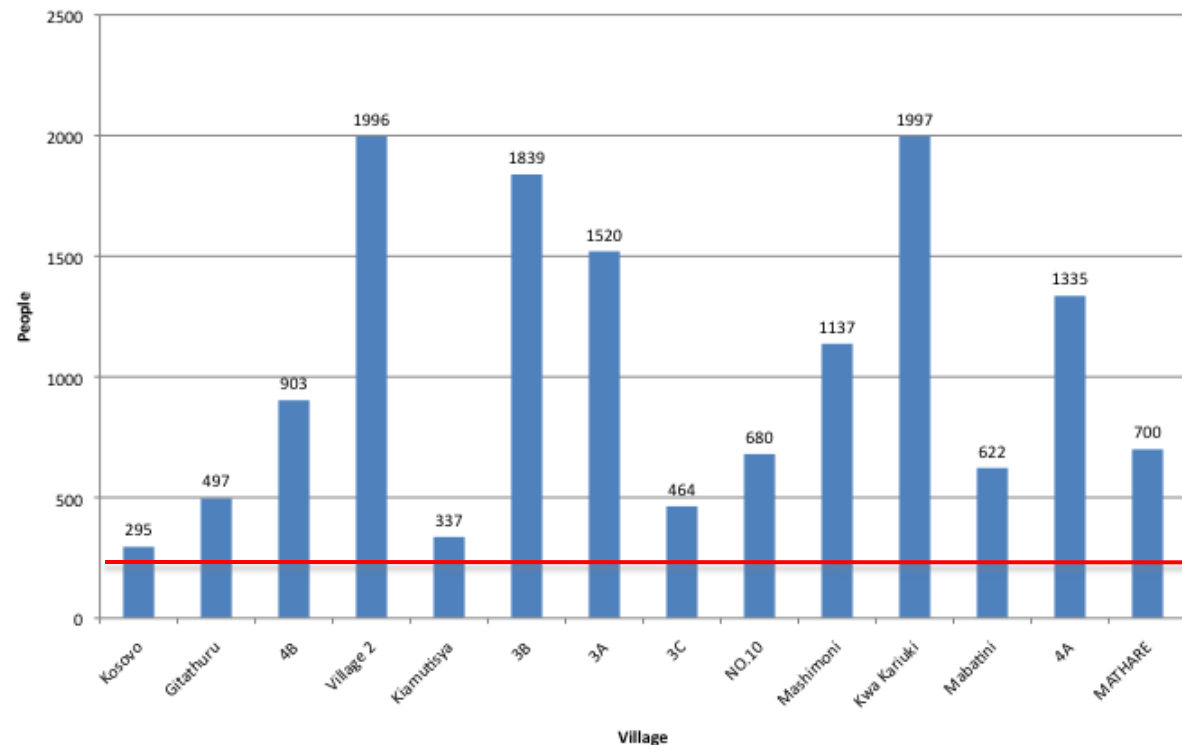
Household surveys

Distribution of water points



250 people/water point = maximum under Sphere Humanitarian Standards,
<http://www.sphereproject.org>

People Per Functioning Public Water Point



Improving water infrastructure

- Informal pipe network
- Intermittent service
- Contamination from surface sewage
- Local institution manage



Before

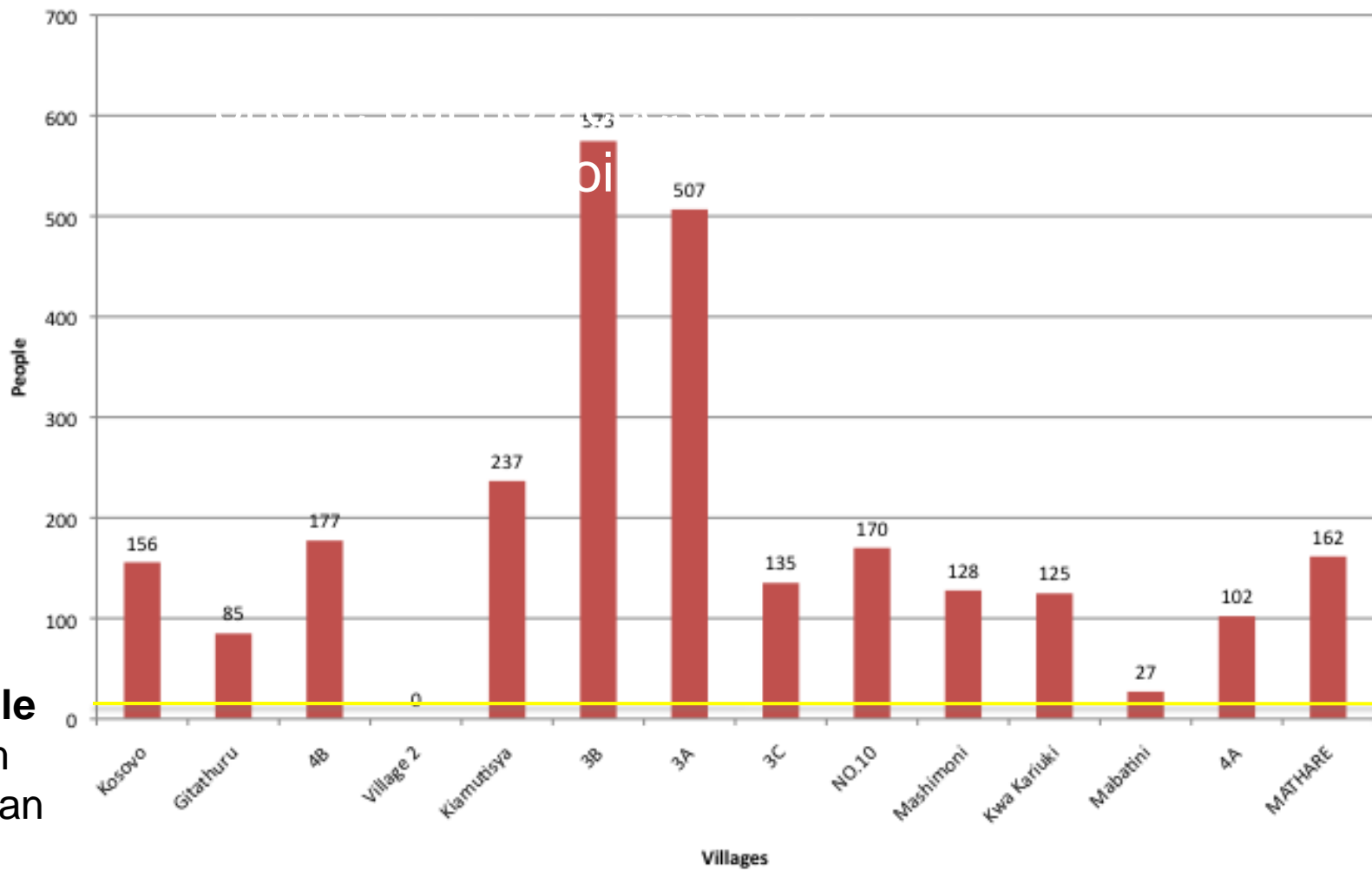
After

Mathare Valley - Toilet Locations



Sources: Open Street Map and enumeration surveys for 4B, Kosovo and No.10

People Per Functioning Latrine (individual + block)



20
people/toile
t maximum
humanitarian
standard



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Fears of rape in Kenya's slums 'trap women'



Nairobi's slums are home to more than half the city's population

Fear of sexual violence is keeping poor Kenyan women away from communal toilets, and increasing the risk of disease, Amnesty International says.

\$599: Ireland G

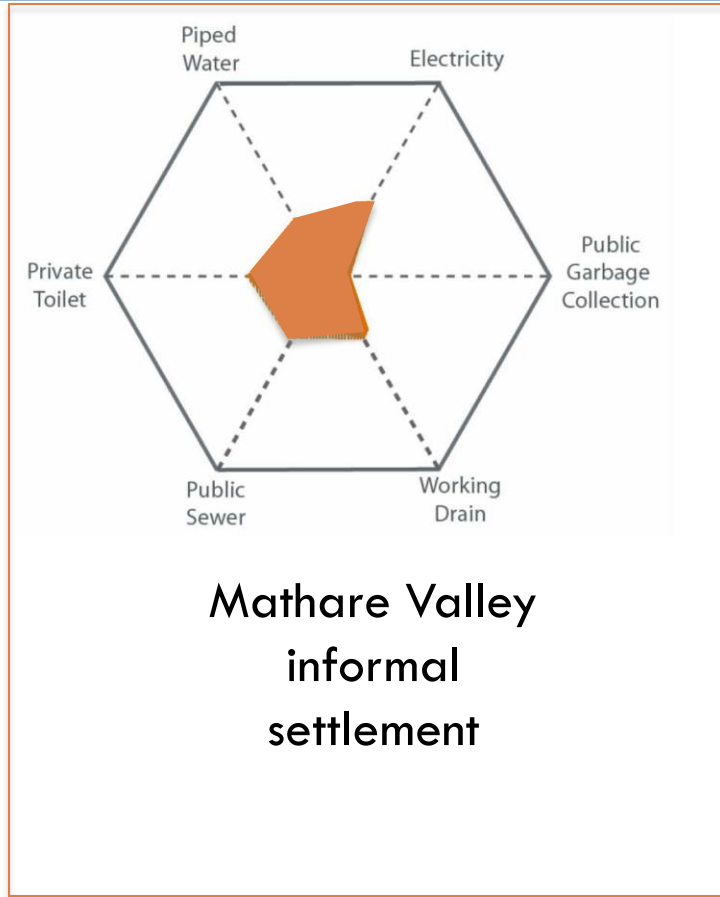


This deal includes round accommodations for 4 Book by July 16th.

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- Kenyan slum trials 30 March 10 | Africa
- Kenya begins huge

Integrated upgrading: Informing Policy



UN-HABITAT AND THE
KENYA SLUM UPGRAIDING PROGRAMME

REPUBLIC OF KENYA



Ministry of Housing

KENYA INFORMAL SETTLEMENTS IMPROVEMENT PROGRAM
(KISIP)

Nature: “Why do so many scientists ignore the needs of our cities?”



“Its time to encourage scientists and universities to pay more attention to urban areas.” *Nature*, Vol 467, 21 October 2010, p.883



Health and Wellbeing in the Changing Urban Environment: a Systems Analysis Approach

An Interdisciplinary Science Plan
October 2011

New Urban Science-policy for Health Equity: Adaptive management?

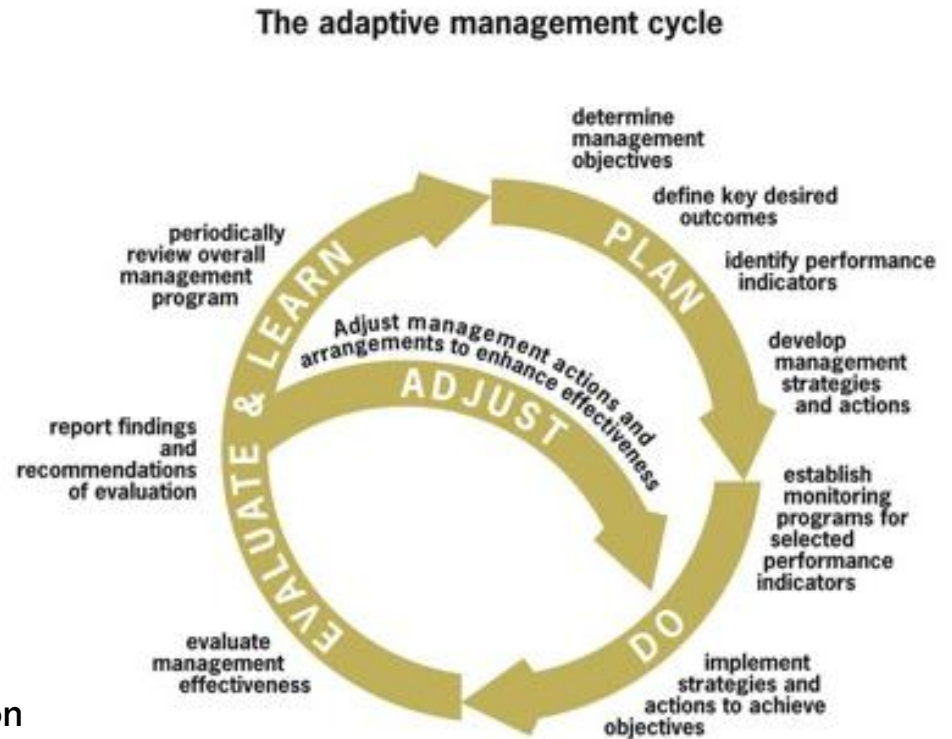
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□ Traditional:

- Cross sectional data by few experts
- Build predictive models
- Aim for short-term system equilibrium
- Top-down policies of control & enforce

- Adaptive:

- Broad stakeholder involvement – professionals & community
- Set management goals & act 1st
- On-going, longitudinal data collection
- Group monitoring, learning & evaluation
- Adjust policies & avoid problem displacement



Science is social process: Complex & dynamic systems require process for making informed decisions under high degree of uncertainty

Towards Healthy & Equitable Urban Governance

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1. Policy matters – deliberate national & urban policies created health inequities, and deliberate public policies are needed to reverse them
2. Institutions matter – projects, programs & data alone do not change social conditions
3. Planning matters – but must change to prioritize health equity
4. New science matters – can “*urban adaptive management*” contribute to co-produced evidence & policy learning that promotes greater health equity?

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