The Well Tempered Community

Dec 15th 2016
Jonathan Rose Companies

Unpredictability

Source: https://citygeographics.files.wordpress.com/2011/08/londonriots.jpg
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Mapping the Riots With Poverty

Source: www.guardian.co.uk
The Geography of Intergenerational Mobility in the United States
Predicted Income Rank at Age 26 for Children with Parents at 25th Percentile
When Marduk sent me to rule over men, to give the protection of right to the land, I did right and righteousness... and brought about the well-being of the oppressed. The great gods have called me, I am the salvation-bearing shepherd... the good shadow that is spread over my city... in my shelter I have let them repose in peace.... That the strong might not injure the weak, in order to protect the widows and orphans,... in order to bespeak justice in the land, to settle all disputes, and heal all injuries... I shall rule... to further the well-being of mankind.

Hammurabi 1754 BC
Erländge

Prelude

Fugue on the first cantabile

3/4 signature
The Well Tempered Clavier
“The Congress, recognizing the profound impact of man’s activity on the interrelations of all components of the natural environment, particularly the profound influences of population growth, high-density urbanization, industrial expansion, resource exploitation, and new and expanding technological advances and recognizing further the critical importance of restoring and maintaining environmental quality to the overall welfare and development of man, declares that it is the continuing policy of the Federal Government . . . to create and maintain conditions under which man and nature can exist in productive harmony, and fulfill the social, economic, and other requirements of present and future generations of Americans.”
Dynamic Systems Planning Diagram:

1. Vision
2. Establish Community Health Indicators
3. Compare to Community Health Indicators
4. Measure Outcomes
5. Regulate, Invest, Incent, Lead

This diagram illustrates a cyclical process involving vision, planning, community health indicators, outcomes measurement, and regulation and investment strategies.
URBAN FOOTPRINT SCENARIO ANALYSIS

Honolulu Transit Oriented Development Study Scenarios Results

Scenario Metrics Summary

The comparative scenario metrics summarized here are described in detail in the following sections. For clarity, values are rounded. All costs are expressed in 2011 dollars.

Land Consumption
Includes all previously undeveloped land that will be urbanized in a scenario.

Business as Usual
21.8
Land Consumed (ha/2050)
12,720
VMT (ha/year)
220
HAR Costs (ha/year)
5,800
Energy Use (ha/year)
4,58
GHG Emissions (ha/year)
181,900
Fiscal Costs (ha/year)
16,950
Household Costs (ha/year)

Forecast Future
16.8
Land Consumed (ha/2050)
10,650
VMT (ha/year)
155
HAR Costs (ha/year)
5,450
Energy Use (ha/year)
4,39
GHG Emissions (ha/year)
76,300
Fiscal Costs (ha/year)
14,750
Household Costs (ha/year)

Corridor Focus
7.1
Land Consumed (ha/2050)
5,350
VMT (ha/year)
0
HAR Costs (ha/year)
4,860
Energy Use (ha/year)
4.03
GHG Emissions (ha/year)
68,000
Fiscal Costs (ha/year)
9,300
Household Costs (ha/year)

Note: Values include all scenarios.
City of Portland, OR
Faubourg Lafitte Residents Working at new Whole Foods
Jonathan Rose Companies

Adverse Childhood Experiences (ACEs)

**ABUSE**
- 11% EMOTIONAL ABUSE
- 21% SEXUAL ABUSE
- 28% PHYSICAL ABUSE

**FAMILY DYSFUNCTION**
- 11% INCARCERATED RELATIVE
- 13% MOTHER TREATED VIOLENTLY
- 19% MENTAL ILLNESS
- 23% PARENTAL DIVORCE
- 28% SUBSTANCE ABUSE

**NEGLECT**
- 10% PHYSICAL
- 15% EMOTIONAL

*Source: aces too high.com*
## Ace Related Odds of Having a Physical Health Condition

<table>
<thead>
<tr>
<th>Health Condition</th>
<th>0 ACEs</th>
<th>1 ACEs</th>
<th>2 ACEs</th>
<th>3 ACEs</th>
<th>4+ ACEs</th>
</tr>
</thead>
<tbody>
<tr>
<td>Arthritis</td>
<td>100%</td>
<td>130%</td>
<td>145%</td>
<td>155%</td>
<td>236%</td>
</tr>
<tr>
<td>Asthma</td>
<td>100%</td>
<td>115%</td>
<td>118%</td>
<td>160%</td>
<td>231%</td>
</tr>
<tr>
<td>Cancer</td>
<td>100%</td>
<td>112%</td>
<td>101%</td>
<td>111%</td>
<td>157%</td>
</tr>
<tr>
<td>COPD</td>
<td>100%</td>
<td>120%</td>
<td>161%</td>
<td>220%</td>
<td>399%</td>
</tr>
<tr>
<td>Diabetes</td>
<td>100%</td>
<td>128%</td>
<td>132%</td>
<td>115%</td>
<td>201%</td>
</tr>
<tr>
<td>Heart Attack</td>
<td>100%</td>
<td>148%</td>
<td>144%</td>
<td>287%</td>
<td>232%</td>
</tr>
<tr>
<td>Heart Disease</td>
<td>100%</td>
<td>123%</td>
<td>149%</td>
<td>250%</td>
<td>285%</td>
</tr>
<tr>
<td>Kidney Disease</td>
<td>100%</td>
<td>83%</td>
<td>164%</td>
<td>179%</td>
<td>263%</td>
</tr>
<tr>
<td>Stroke</td>
<td>100%</td>
<td>114%</td>
<td>117%</td>
<td>180%</td>
<td>281%</td>
</tr>
<tr>
<td>Vision</td>
<td>100%</td>
<td>167%</td>
<td>181%</td>
<td>199%</td>
<td>354%</td>
</tr>
</tbody>
</table>
LIFE EXPECTANCY

People with six or more ACEs died nearly 20 years earlier on average than those without ACEs.
ECONOMIC TOLL

The Centers for Disease Control and Prevention (CDC) estimates the lifetime costs associated with child maltreatment at **$124 billion**.

- **$83.5 billion** Productivity Loss
- **$25 billion** Health Care
- **$4.6 billion** Special Education
- **$4.4 billion** Child Welfare
- **$3.9 billion** Criminal Justice

Source: acestoohigh.com
Mindfulness in the Classroom
Spending On Health Care

Data downloaded from OECD.StatExtracts. Available at stats.oecd.org
Total health care investment in US is less

In OECD, for every $1 spent on health care, about $2 is spent on social services.

In the US, for $1 spent on health care, about 55 cents is spent on social services.
Making wholeness heals the maker.

- Christopher Alexander
WWW.welltemperedcity.com