“Ain’t it hard just to live...”:
Social Determinants of Health in Baltimore

Community health assessment materials for
PLACE MATTERS: Seattle

Roland Park
Life expectancy: 82.9
Median income: $64,571
% Black: 6

20 year gap

Hollins Market
Life expectancy: 62.5
Median income: $17,063
% Black: 82
Disparities in Life Expectancy

Education opportunities are fundamental to employment and economic opportunities
Education opportunities are fundamental to employment and economic opportunities

Median Earnings by Educational Attainment, Baltimore City Residents 25+, 2007

Income in Dollars

- Less than HS
- HS
- Some College
- BA
- Graduate

Less than HS: 0
HS: 10000
Some College: 20000
BA: 30000
Graduate: 50000

2007 American Community Survey (ACS) 1-year population estimates

Education opportunities are fundamental to employment and economic opportunities

Percent Below Poverty by Educational Attainment, Baltimore City Residents 25+, 2007

- Less than HS
- HS
- Some college
- BA+

Less than HS: 30%
HS: 15%
Some college: 10%
BA+: 0%

2007 American Community Survey (ACS) 1-year population estimates
Education opportunities are fundamental to employment and economic opportunities

Educational Attainment by Race & Sex, Baltimore City Residents 25+, 2007

<table>
<thead>
<tr>
<th></th>
<th>ALL</th>
<th>MEN</th>
<th>WOMEN</th>
<th>WHITE</th>
<th>BLACK</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bachelor's or more</td>
<td>0.24%</td>
<td>0.24%</td>
<td>0.24%</td>
<td>0.41%</td>
<td>0.13%</td>
</tr>
<tr>
<td>Some college or associates</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>HS or equivalent</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Less than HS</td>
<td></td>
<td></td>
<td></td>
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</tr>
</tbody>
</table>

Percent

Median HH Income and Per Capita Income by Race, Baltimore City Residents, 2007

<table>
<thead>
<tr>
<th></th>
<th>white</th>
<th>black</th>
<th>latino</th>
</tr>
</thead>
<tbody>
<tr>
<td>HH income</td>
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<td></td>
<td></td>
</tr>
<tr>
<td>Per capita income</td>
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<td></td>
<td></td>
</tr>
</tbody>
</table>

2007 American Community Survey (ACS) 1-year population estimates
Disparities in Life Expectancy by Community Income and Education Levels, Baltimore City, 2002-2006

Deaths per 100,000

Community Median HH Income

% of Community 25+ w/ HS or Less

<32k 32-36k 36-40k >40k >75% 61-75% 45-60% <45%

68 71 73 78 67 69 73 77


Highest homicide rates...

Highest juvenile violent death rates...

Highest juvenile violent arrest rates...

Highest juvenile arrests rates...

Graduation Rate, Baltimore City High Schools, 2006

Highest % single-parent and female-headed households...

Highest unemployment...

Highest family poverty rates...

SOURCE: Baltimore City Data Collaborative community profiles, 2008.

Graduation Rate, Baltimore City High Schools, 2006

Percent

<table>
<thead>
<tr>
<th>Percent</th>
<th>Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>0% - 10%</td>
<td>1</td>
</tr>
<tr>
<td>11% - 20%</td>
<td>2</td>
</tr>
<tr>
<td>21% - 30%</td>
<td>3</td>
</tr>
<tr>
<td>31% - 40%</td>
<td>4</td>
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<tr>
<td>41% - 50%</td>
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</tr>
<tr>
<td>51% - 60%</td>
<td>6</td>
</tr>
<tr>
<td>61% - 70%</td>
<td>7</td>
</tr>
<tr>
<td>71% - 80%</td>
<td>8</td>
</tr>
<tr>
<td>81% - 90%</td>
<td>9</td>
</tr>
<tr>
<td>91% - 100%</td>
<td>10</td>
</tr>
<tr>
<td>No Data Available</td>
<td>11</td>
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</tbody>
</table>

City Average: 60.83%
State Satisfactory Standard: 90%

The graduation rate represents the percent of students who obtained a high school diploma during the reported school year. This is an estimated cohort. It is calculated by dividing the number of high school graduates by the sum of the diplomas for grades 9 through 12, transfer, in correctional school, plus the number of high school graduates.

Source: Maryland State Department of Education Baltimore City Data Collaborative, August 2008

Alcohol, Tobacco, and Food Availability, 2009

Legend

- Supermarkets
- Convenience Stores

Tobacco Density (stores per 10,000)

<table>
<thead>
<tr>
<th>RATE</th>
<th>Code</th>
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<tbody>
<tr>
<td>0.0 - 8.6</td>
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<tr>
<td>8.7 - 20.1</td>
<td>2</td>
</tr>
<tr>
<td>20.2 - 33.2</td>
<td>3</td>
</tr>
<tr>
<td>33.3 - 53.7</td>
<td>4</td>
</tr>
<tr>
<td>53.8 - 176.2</td>
<td>5</td>
</tr>
</tbody>
</table>

BCHP analysis of city tobacco and alcohol license data. Tobacco density is drawn as the number of tobacco stores per 10,000 community residents. Alcohol data is the density for liquor stores.

Source: Baltimore City Health Department

June 2009
Highest homicide rates...

Highest juvenile violent death rates...

Highest child asthma hospitalization rates...

SOURCE: RAND, 2009

About 75% of renting households making less than $35k were housing burdened in 2007.

SOURCE: BCHD analysis of American Community Survey (ACS) data, 2007

**Median Household Income by Community Statistical Area, Baltimore City, 2000**

**Legend**

**Median Household Income**

- $11,162.00 - $21,843.80
- $21,843.81 - $32,525.00
- $32,525.61 - $43,207.40
- $43,207.41 - $53,889.20
- $53,889.21 - $84,571.00

Baltimore City Health Department analysis using data from the U.S. Census Bureau’s 2000 Census. Community Statistical Area (CSA) - Outline of Baltimore neighborhoods that were created along census tract boundaries

**Percentage of Children tested with an Elevated Blood-Lead Level, by Community Statistical Area, Baltimore City, 2006**

**Legend**

**Percentage with EBL**

- 0% - 2.4%
- 2.5% - 4.9%
- 5.0% - 7.3%
- 7.4% - 9.8%
- 9.9% - 12.2%

Baltimore City Health Department analysis using data from the Maryland Department of the Environment’s (MDE) Community Statistical Area (CSA).