Brooklyn Community District 2:
FORT GREENE AND BROOKLYN HEIGHTS
(Including Boerum Hill, Brooklyn Heights, Clinton Hill, Downtown Brooklyn, DUMBO, Fort Greene and Vinegar Hill)

Health is rooted in the circumstances of our daily lives and the environments in which we are born, grow, play, work, love and age. Understanding how community conditions affect our physical and mental health is the first step toward building a healthier New York City.
FORT GREENE AND BROOKLYN HEIGHTS TOTAL POPULATION

102,814

POPULATION BY RACE AND ETHNICITY

46% White*

27% Black*

14% Hispanic
8% Asian*
4% Other*

POPULATION BY AGE

- 0 - 17: 15%
- 18-24: 10%
- 25-44: 44%
- 45-64: 20%
- 65+: 11%

HAVE LIMITED ENGLISH PROFICIENCY

- 20% of the population are foreign born

- 10% have limited English proficiency

PERCENT WHO REPORTED THEIR OWN HEALTH AS “EXCELLENT,” “VERY GOOD” OR “GOOD”

- 84%

LIFE EXPECTANCY

- 79.4 years

* Non-Hispanic

Note: Percentages may not sum to 100% due to rounding.

New York City is a city of neighborhoods. Their diversity, rich history and people are what make this city so special.

But longstanding and rising income inequality, combined with a history of racial residential segregation, has led to startling health inequities between neighborhoods. Poor health outcomes tend to cluster in places that people of color call home and where many residents live in poverty. Life expectancy in Brownsville, for example, is 11 years shorter than in the Financial District. And this is not because residents of Brownsville are dying of unusual diseases, but because they are dying of the same diseases – mostly heart disease and cancer – at younger ages and at higher rates.

This is unfair and avoidable. A person’s health should not be determined by his or her ZIP code.

Reducing health inequities requires policymakers, health professionals, researchers and community groups to advocate and work together for systemic change. In One New York: The Plan for a Strong and Just City (OneNYC), Mayor Bill de Blasio has outlined a vision to transform this city, and every neighborhood, guided by the principles of growth, equity, sustainability and resiliency.

Our communities are not simply made up of individual behaviors, but are dynamic places where individuals interact with each other, with their immediate environments and with the policies that shape those environments. The Community Health Profiles include indicators that reflect a broad set of conditions that impact health.

Our hope is that you will use the data and information in these Community Health Profiles to advocate for your neighborhoods.

MARY T. BASSETT, MD, MPH
Navigating this document

This profile covers all of Brooklyn Community District 2, which includes Boerum Hill, Brooklyn Heights, Clinton Hill, Downtown Brooklyn, DUMBO, Fort Greene and Vinegar Hill, but the name is shortened to just Fort Greene and Brooklyn Heights. This is one of 59 community districts in New York City (NYC).

Community districts are ranked on each indicator. The highest rank (#1) corresponds to the largest value for a given measure. Sometimes a high rank indicates a positive measure of health (e.g., ranking first in flu vaccination). Other times, it indicates a negative measure of health (e.g., ranking first in the premature death rate).

The following color coding system is used throughout this document:

FORT GREENE AND BROOKLYN HEIGHTS
BEST-PERFORMING COMMUNITY DISTRICT
BROOKLYN
NEW YORK CITY

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NEIGHBORHOOD CONDITIONS

Where we live determines the quality of the air we breathe, the homes we live in, how safe we feel, what kinds of food we can easily access and more.

When healthy foods are readily available, it is easier to make healthy choices.

Housing quality

Poorly maintained housing is associated with negative health outcomes, including asthma and other respiratory illnesses, injuries and poor mental health. A similar percentage of homes in Fort Greene and Brooklyn Heights have maintenance defects compared with homes citywide.

Maintenance defects (percent of renter-occupied homes with at least one maintenance defect)

- Tottenville and Great Kills: 18% (RANKS 59<sup>th</sup>)
- Fort Greene and Brooklyn Heights: 62% (RANKS 24<sup>th</sup>)

Maintenance defects include water leaks, cracks and holes, inadequate heating, presence of mice or rats, toilet breakdowns and peeling paint.

Air pollution

Although NYC air quality is improving, air pollution, such as fine particles (PM<sub>2.5</sub>), can cause health problems, particularly among the very young, seniors and those with preexisting health conditions. In Fort Greene and Brooklyn Heights, levels of PM<sub>2.5</sub>, the most harmful air pollutant, are 9.5 micrograms per cubic meter, compared with 8.7 in Brooklyn and 8.6 citywide.

Air pollution (micrograms of fine particulate matter per cubic meter)

- Fort Greene and Brooklyn Heights (RANKS 18<sup>th</sup>)
- Brooklyn (RANKS 07<sup>th</sup>)
- NYC (RANKS 05<sup>th</sup>)

Retail environment

Tobacco retailers are more prevalent in Fort Greene and Brooklyn Heights than in the city overall. There is greater supermarket access in Fort Greene and Brooklyn Heights than in the city as a whole, with 230 square feet of supermarket space per 100 people.
Adult educational attainment

In Fort Greene and Brooklyn Heights, most (63%) adults have college degrees, but 12% of adults have not completed high school.

Highest level of education attained (adults 25 years and older)

Social and Economic Conditions

Higher education levels are associated with better health outcomes.

Income

Living in poverty limits healthy lifestyle choices and makes it difficult to access health care and resources that can promote health and prevent illness. Unemployment and unaffordable housing are also closely associated with poverty and poor health. One in ten Fort Greene and Brooklyn Heights adults ages 16 and older is unemployed, and two-fifths of residents spend more than 30% of their monthly gross income on rent.

One way to consider the effect of income on health is by comparing death rates among neighborhoods. Assuming that the death rates from the five neighborhoods with the highest incomes are achievable in Fort Greene and Brooklyn Heights, it is estimated that 33% of deaths could have been averted.

Economic stress

Children and adolescents

The littlest New Yorkers all deserve the same opportunities for health. But in Fort Greene and Brooklyn Heights, the rate of preterm births, a key driver of infant death, is nearly 80% higher than in Midtown. The teen birth rate is lower than the city average, and the rate of elementary school absenteeism is similar to the city average.

<table>
<thead>
<tr>
<th>Preterm births (percent of all live births)</th>
<th>Fort Greene and Brooklyn Heights (RANKS 16th)</th>
<th>Midtown (RANKS 59th)</th>
<th>Brooklyn</th>
<th>NYC</th>
</tr>
</thead>
<tbody>
<tr>
<td>10.2</td>
<td>5.7</td>
<td>8.8</td>
<td>9.0</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Teen births (per 1,000 girls ages 15-19)</th>
<th>Fort Greene and Brooklyn Heights (RANKS 40th)</th>
<th>Financial District (RANKS 59th)</th>
<th>Brooklyn</th>
<th>NYC</th>
</tr>
</thead>
<tbody>
<tr>
<td>15.4</td>
<td>1.1*</td>
<td>24.0</td>
<td>23.6</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Elementary school absenteeism (percent of students missing 20 or more school days)</th>
<th>Fort Greene and Brooklyn Heights (RANKS 26th)</th>
<th>Financial District (RANKS 59th)</th>
<th>Brooklyn</th>
<th>NYC</th>
</tr>
</thead>
<tbody>
<tr>
<td>20</td>
<td>4</td>
<td>19</td>
<td>20</td>
<td></td>
</tr>
</tbody>
</table>

Incarceration

The incarceration rate in Fort Greene and Brooklyn Heights is similar to the Brooklyn and citywide rates.

<table>
<thead>
<tr>
<th>Jail incarceration (per 100,000 adults ages 16 and older)</th>
<th>Queens Village 5* (RANKS 59th)</th>
<th>Fort Greene and Brooklyn Heights 75 (RANKS 28th)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>BROOKLYN 96</td>
<td>NYC 93</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Non-fatal assault hospitalizations (per 100,000 population)</th>
<th>Fort Greene and Brooklyn Heights (RANKS 32th)</th>
<th>Rego Park and Forest Hills (RANKS 59th)</th>
<th>Brooklyn</th>
<th>NYC</th>
</tr>
</thead>
<tbody>
<tr>
<td>44</td>
<td>11</td>
<td>66</td>
<td>64</td>
<td></td>
</tr>
</tbody>
</table>
Smoking, diet and physical activity

Smoking, poor quality diet and physical inactivity are risk factors for high blood pressure, diabetes and other problems. Adults in Fort Greene and Brooklyn Heights smoke, consume sugary drinks, eat fruits and vegetables and are physically active at rates similar to residents of Brooklyn and the city as a whole.

<table>
<thead>
<tr>
<th></th>
<th>Fort Greene and Brooklyn Heights</th>
<th>Best-performing community district</th>
<th>Brooklyn</th>
<th>NYC</th>
</tr>
</thead>
<tbody>
<tr>
<td>Current smokers</td>
<td>19% (RANKS 11th)</td>
<td>10% East Flatbush (RANKS 59th)</td>
<td>16%</td>
<td>15%</td>
</tr>
<tr>
<td>1 or more 12 oz sugary drink per day</td>
<td>19% (RANKS 52th)</td>
<td>12% Stuyvesant Town and Turtle Bay (RANKS 59th)</td>
<td>27%</td>
<td>27%</td>
</tr>
<tr>
<td>At least one serving of fruits or vegetables per day</td>
<td>91% (RANKS 17th)</td>
<td>95%* Bayside and Little Neck (RANKS 1st)</td>
<td>87%</td>
<td>88%</td>
</tr>
<tr>
<td>Any physical activity in the last 30 days</td>
<td>80% (RANKS 13th)</td>
<td>90% Clinton and Chelsea &amp; Midtown (RANKS 1st)</td>
<td>75%</td>
<td>77%</td>
</tr>
</tbody>
</table>

*Interpret estimate with caution due to small sample size

All: NYC DOHMH, Community Health Survey, 2011-2013

Self-reported health

People are good at rating their own health. When asked to rate their overall health on a scale of one to five (excellent, very good, good, fair or poor), 84% of Fort Greene and Brooklyn Heights residents rate their health as “excellent,” “very good” or “good.”

| Percent who self-reported their own health as “excellent,” “very good” or “good” |
|---------------------------|-----------------|-----------------|-----------------|
| Fort Greene and Brooklyn Heights (RANKS 9th) | 84%             | Upper East Side (RANKS 1st) | 92%             |
| Brooklyn                  | 75%             | New York City   | 78%             |

NYC DOHMH, Community Health Survey, 2011-2013

One in five adults in Fort Greene and Brooklyn Heights consumes at least one sugary beverage per day.
Obesity and diabetes
Obesity can lead to serious health problems such as diabetes and heart disease. The rates of obesity and diabetes in Fort Greene and Brooklyn Heights are two and half times higher than the rates in Stuyvesant Town and Turtle Bay, the best-performing district.

<table>
<thead>
<tr>
<th></th>
<th>Obesity (percent of adults)</th>
<th>Diabetes (percent of adults)</th>
</tr>
</thead>
<tbody>
<tr>
<td>FORT GREENE AND BROOKLYN HEIGHTS</td>
<td>21%</td>
<td>8%</td>
</tr>
<tr>
<td>STUYVESANT TOWN AND TURTLE BAY (RANKS 45&lt;sup&gt;th&lt;/sup&gt;)</td>
<td>8%</td>
<td>3%</td>
</tr>
<tr>
<td>BROOKLYN</td>
<td>27%</td>
<td>11%</td>
</tr>
<tr>
<td>NYC</td>
<td>24%</td>
<td>10%</td>
</tr>
<tr>
<td>STUYVESANT TOWN AND TURTLE BAY (RANKS 59&lt;sup&gt;th&lt;/sup&gt;)</td>
<td></td>
<td>8%</td>
</tr>
</tbody>
</table>

Substance use
Drug- and/or alcohol-related hospitalizations reflect acute and chronic consequences of substance misuse. In Fort Greene and Brooklyn Heights, such hospitalization rates are higher than the rates in NYC.

<table>
<thead>
<tr>
<th></th>
<th>Alcohol-related hospitalizations (per 100,000 adults)</th>
<th>Drug-related hospitalizations (per 100,000 adults)</th>
</tr>
</thead>
<tbody>
<tr>
<td>FORT GREENE AND BROOKLYN HEIGHTS (RANKS 22&lt;sup&gt;nd&lt;/sup&gt;)</td>
<td>1,124</td>
<td>1,030</td>
</tr>
<tr>
<td>BAYSIDE AND LITTLE NECK (RANKS 59&lt;sup&gt;th&lt;/sup&gt;)</td>
<td>233</td>
<td>159</td>
</tr>
<tr>
<td>BROOKLYN</td>
<td>1,041</td>
<td>921</td>
</tr>
<tr>
<td>NYC</td>
<td>1,019</td>
<td>907</td>
</tr>
</tbody>
</table>

Exercise is one way to maintain a healthy weight. Federal guidelines say that children should get 60 minutes of exercise per day, adults should get 150 minutes per week, and older adults should get 150 minutes per week as their physical abilities allow, with a focus on exercises to improve balance.
Access to health care

A lack of quality health care can lead to negative health outcomes and more intensive treatment, such as avoidable hospitalizations. Fewer adults in Fort Greene and Brooklyn Heights have no health insurance or go without prenatal care than in Brooklyn or the city as a whole.

Prior to 2014, 20% of adults in NYC had no health insurance; however, with implementation of the Affordable Care Act, this percentage decreased to 14% citywide in 2014. A similar decrease is expected in Fort Greene and Brooklyn Heights.

Prevention and screening

The percent of teenage girls in Fort Greene and Brooklyn Heights who receive the full human papillomavirus (HPV) series is similar to the citywide rate. The percentages of adults who get tested for HIV or receive a flu vaccine in Fort Greene and Brooklyn Heights are also similar to the NYC rates.

HPV infection causes cancers that can be prevented by the HPV vaccine. Boys and girls should receive the vaccine at 11 to 12 years of age, prior to HPV exposure and when the vaccine is most effective.
New HIV diagnoses

Some people with HIV do not know that they are infected. Getting diagnosed is the first step in the treatment and care of HIV. Fort Greene and Brooklyn Heights ranks twenty-seventh in the rate of new HIV diagnoses.

![Graph showing new HIV diagnoses per 100,000 population for Fort Greene and Brooklyn Heights, Brooklyn, and NYC. The rate for Fort Greene and Brooklyn Heights is 33.1 per 100,000 population.][1]

**Stroke**

High blood pressure is the leading risk factor for stroke and the most important to control. The rate of stroke hospitalizations in Fort Greene and Brooklyn Heights is more than twice the rate in Greenwich Village and Soho.

![Bar chart showing hospitalizations due to stroke per 100,000 adults for Fort Greene and Brooklyn Heights, Greenwich Village and Soho, Brooklyn, and NYC. The rate for Fort Greene and Brooklyn Heights is 317 per 100,000 adults.][2]

**Mental health**

Variations in hospitalization rates may reflect differences in rates of illness, access to health care and other social and cultural factors. The rate of adult psychiatric hospitalizations in Fort Greene and Brooklyn Heights is comparable with the Brooklyn and overall NYC rates.

![Bar chart showing psychiatric hospitalizations per 100,000 adults for Fort Greene and Brooklyn Heights, Financial District, Brooklyn, and NYC. The rate for Fort Greene and Brooklyn Heights is 710 per 100,000 adults.][3]
**Child asthma**

Many hospitalizations for asthma among children could be prevented by addressing housing-related exposures to asthma triggers, including cockroaches, mice and secondhand smoke. Good medical management can prevent asthma symptoms. The asthma hospitalization rate among children ages 5 to 14 in **Fort Greene and Brooklyn Heights** is eight times the rate in Borough Park.

**Avoidable asthma hospitalizations** (per 10,000 children ages 5-14)

- **Fort Greene and Brooklyn Heights** (Ranks 19th)
  - 50
- **Borough Park** (Ranks 59th)
  - 6
- **Brooklyn**
  - 32
- **NYC**
  - 36

**Adult hospitalizations for asthma**

The rate of avoidable adult asthma hospitalizations in **Fort Greene and Brooklyn Heights** is similar to the Brooklyn and citywide rates.

**Avoidable asthma hospitalizations** (per 100,000 adults)

- **Fort Greene and Brooklyn Heights** (Ranks 25th)
  - 240
- **Greenwich Village and SoHo** (Ranks 59th)
  - 46
- **Brooklyn**
  - 263
- **NYC**
  - 249

**Adult hospitalizations for diabetes**

The rate of avoidable adult diabetes hospitalizations in **Fort Greene and Brooklyn Heights** is higher than the city rate.

**Avoidable diabetes hospitalizations** (per 100,000 adults)

- **Fort Greene and Brooklyn Heights** (Ranks 22nd)
  - 381
- **Greenwich Village and SoHo** (Ranks 59th)
  - 54
- **Brooklyn**
  - 357
- **NYC**
  - 312

Certain hospitalizations for asthma and diabetes can be prevented by high-quality outpatient care and are known as “avoidable hospitalizations.”
Leading causes of death

The top causes of death for residents of Fort Greene and Brooklyn Heights, as for most New Yorkers, are heart disease and cancer. Death rates due to heart disease, cancer, flu and pneumonia, diabetes, lower respiratory diseases and hypertension are higher than the city rates.

### Top causes of death and rates (per 100,000 population)

<table>
<thead>
<tr>
<th></th>
<th>Fort Greene and Brooklyn Heights</th>
<th>New York City</th>
</tr>
</thead>
<tbody>
<tr>
<td>RANK</td>
<td>CAUSE: NUMBER OF DEATHS</td>
<td>DEATH RATE</td>
</tr>
<tr>
<td>1</td>
<td>Heart disease: 1,085</td>
<td>234.4</td>
</tr>
<tr>
<td>2</td>
<td>Cancer: 721</td>
<td>158.9</td>
</tr>
<tr>
<td>3</td>
<td>Flu/pneumonia: 153</td>
<td>33.5</td>
</tr>
<tr>
<td>4</td>
<td>Diabetes mellitus: 125</td>
<td>27.3</td>
</tr>
<tr>
<td>5</td>
<td>Lower respiratory diseases: 98</td>
<td>21.3</td>
</tr>
<tr>
<td>6</td>
<td>Stroke: 73</td>
<td>15.6</td>
</tr>
<tr>
<td>7</td>
<td>Hypertension: 60</td>
<td>13.0</td>
</tr>
<tr>
<td>8</td>
<td>Accidents (excluding drug poisoning): 50</td>
<td>9.7</td>
</tr>
<tr>
<td>9</td>
<td>HIV: 39</td>
<td>8.1</td>
</tr>
<tr>
<td>10</td>
<td>Drug-related: 39</td>
<td>7.5</td>
</tr>
</tbody>
</table>

NYC DOHMH, Bureau of Vital Statistics, 2009-2013

Infant mortality and premature death

The infant mortality rate in Fort Greene and Brooklyn Heights is lower than the citywide rate.

Disparities in premature death (death before the age of 65) persist among neighborhoods. The rate of premature death in Fort Greene and Brooklyn Heights is similar to the Brooklyn and NYC rates, but more than two and a half times higher than the Financial District.

**Infant mortality rate (per 1,000 live births)**

<table>
<thead>
<tr>
<th></th>
<th>2.7</th>
<th>1.0*</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fort Greene and Brooklyn Heights</td>
<td></td>
<td>Upper East Side</td>
</tr>
<tr>
<td>(RANKS 46th)</td>
<td></td>
<td>(RANKS 59th)</td>
</tr>
</tbody>
</table>

**Premature mortality rate (per 100,000 population)**

<table>
<thead>
<tr>
<th></th>
<th>208.8</th>
<th>75.6</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fort Greene and Brooklyn Heights</td>
<td></td>
<td>Financial District</td>
</tr>
<tr>
<td>(RANKS 20th)</td>
<td></td>
<td>(RANKS 59th)</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th></th>
<th>3.9</th>
<th>4.7</th>
</tr>
</thead>
<tbody>
<tr>
<td>Brooklyn</td>
<td></td>
<td>NYC</td>
</tr>
</tbody>
</table>

NYC DOHMH, Bureau of Vital Statistics, 2009-2013

*Interpret estimate with caution due to small number of events

NYC DOHMH, Bureau of Vital Statistics, 2011-2013
Technical notes

Neighborhood Definitions and Rankings
The 59 Community Districts (CDs) were established citywide by local law in 1975. For a complete listing of all CDs and their boundaries, go to nyc.gov/html/dcp/html/neigh_info/nhmap.shtml. The CDs correspond to New York City (NYC) Community Boards, which are local representative bodies. The names of neighborhoods within CDs are not officially designated. The names used in this document are not an exhaustive list of all known neighborhood names within this area. CDs were ranked on every indicator. If two CDs had the same value, they were considered to be tied and were given the same rank.

For American Community Survey (ACS) indicators, data were available by Public Use Microdata Areas (PUMAs), which are aggregated Census tracts designed to approximate CDs. For Housing and Vacancy Survey (HVS), data were available by sub-borough areas. The U.S. Census Bureau combined four pairs of CDs in creating these PUMA or sub-borough areas to improve sampling and protect the confidentiality of respondents. These pairs are Mott Haven/Melrose (BX 01) and Hunts Point/Longwood (BX 02) in the Bronx, Morrisania/Crotona (BX 03) and Belmont/East Tremont (BX 06) in the Bronx, the Financial District (MN 01) and Greenwich Village/Soho (MN 02) in Manhattan and Clinton/Chelsea (MN 04) and Midtown (MN 05) in Manhattan. For these four areas, the same estimate was applied to both CDs that comprised the PUMA or sub-borough area for data from ACS and HVS. For NYC Department of Health and Mental Hygiene (DOMHM) Community Health Surveys (CHS) data, these same pairs of CDs were combined and the same estimate applied to both CDs in the pair.

Analyses
For most data, 95% confidence limits were calculated for neighborhood, borough and NYC estimates. If these ranges did not overlap, a significant difference was inferred. This is a conservative measure of statistical difference. Only robust findings found to be statistically significant are discussed in the text. In addition, most estimates were evaluated for statistical stability using the relative standard error (RSE). Those estimates with an RSE greater than 30% are flagged as follows: “Interpret estimate with caution due to small number of events or small sample size.”

Where noted, estimates in this report were age standardized to the Year 2000 Standard Population.

Data Sources
U.S. Census/American Community Survey (ACS): The U.S. Census calculates intercensal population estimates which were used for overall population, age, race and ethnicity indicators. The ACS is an ongoing national survey conducted by the U.S. Census Bureau. Indicators include limited English proficiency, foreign born percentage, adult educational attainment, poverty, unemployment and rent burden. Three-year estimates (2011-2013) are used to improve reliability of the data.

NYC DOHMH Community Health Survey (CHS): The CHS is an annual random-digit-dial telephone survey of approximately 9,000 adults in NYC. Indicators include self-reported health, smoking, average daily sugary drink consumption, fruit and vegetable consumption, physical activity, obesity, diabetes, insurance coverage, went without needed care, flu vaccination and HIV testing. A combined-year dataset (2011-2013) was used to increase statistical power, allowing for more stable analyses at the Community District level. Community District level estimates were imputed based on participant’s ZIP code, age, race and ethnicity, sex and borough of residence. All indicators are age-adjusted; crude estimates and rankings are available online in the complete dataset.

NYC DOHMH Vital Statistics: The Bureau of Vital Statistics analyzes data that it collects from hundreds of thousands of birth and death certificates issued in NYC each year by the Bureau of Vital Records. Indicators include preterm births, teen births, prenatal care, leading causes of death, infant mortality, premature mortality, avertable deaths and life expectancy. For some indicators, data sources were combined across three, five or ten years to increase statistical stability and average annual rates are presented. For this reason, these statistics may differ from the presentation in the “Summary of Vital Statistics” reports from the Bureau of Vital Statistics, NYC DOHMH. All rates are shown as crude rates, except leading causes of death and premature mortality rates, which are age-adjusted.

New York State (NYS) Department of Health Statewide Planning and Research Cooperative System (SPARCS): SPARCS is a statewide comprehensive all payer data reporting system established in 1979 currently collecting patient level detail on patient characteristics, diagnoses and treatments, services and charges for each hospital inpatient stay and outpatient visit (ambulatory surgery, emergency department and outpatient services); and each ambulatory
surgery and outpatient services visit to a hospital extension clinic and diagnostic and treatment center licensed to provide ambulatory surgery services. Indicators include non-fatal assault hospitalizations, alcohol-related hospitalizations, drug-related hospitalizations, child asthma hospitalizations, avoidable adult asthma hospitalizations, avoidable adult diabetes hospitalizations, psychiatric hospitalizations and stroke hospitalizations. Hospitalization data are defined according to International Classification of Disease Clinical Modification, Version 9 (ICD-9-CM) codes. Most of these hospitalization indicators show 2012 data, updated in December 2014.

For child asthma hospitalizations and non-fatal assault hospitalizations, data sources were combined across two and three years respectively to increase statistical stability and average annual rates are presented.

All indicators are age-adjusted, except child asthma hospitalizations, which is age-specific.

**NYC Housing and Vacancy Survey (HVS):** HVS data from 2011 were used to estimate the percent of renter-occupied homes with at least one maintenance issue (defect). Data were obtained from the NYC Housing Preservation and Development Report: Housing New York City 2011.

**NYC Community Air Survey (NYCCAS):** 2013 annual averages of micrograms of fine particulate matter per cubic meter were calculated from air samples collected at specific NYCCAS monitoring sites and were incorporated into a statistical model that predicted pollutant concentrations.

**NYC Department of Consumer Affairs:** 2014 tobacco retail density data were analyzed by the NYC DOHMH Bureau of Chronic Disease Prevention and Tobacco Control.

**NYS Department of Agriculture and Markets:** Based on data from 2014, the supermarket square footage rate was analyzed by the NYC Department of City Planning and the NYC DOHMH Bureau of Epidemiology Services.

**NYC Department of Education:** Elementary school absenteeism data for the 2013-14 school year were analyzed from FITNESSGRAM data by the NYC DOHMH Bureau of Epidemiology Services.

**NYC Department of Corrections:** The average daily population of incarcerated persons in NYC jails ages 16 and older by CD of last known residence. Based on NYC Department of Corrections (DOC) bi-weekly in-custody files from July 1 to Oct 9, 2014.

**NYC DOHMH Citywide Immunization Registry:** 2014 HPV vaccination data were analyzed by the NYC DOHMH Bureau of Immunization.

**NYC DOHMH HIV/AIDS Surveillance Registry:** New HIV diagnosis data for 2013 were analyzed by the NYC DOHMH Bureau of HIV/AIDS Prevention and Control.

**Acknowledgements**

Thank you to all the individuals who contributed to these reports: Sonia Angell, George Askew, Katherine Bartley, Gary Belkin, Angelica Bocour, Sarah Braunstein, Shadi Chamany, Nancy Clark, Sarah Conderino, Karen Crowe, Gretchen Culp, Antonio D’Angelo, Sophia Day, Paloma de la Cruz, Karen Eggleston, Jeffrey Escoffier, Shannon Farley, Ana Garcia, Victoria Grimshaw, Fangtao He, Mary Huynh, Steven Immerwahr, John Jasek, Jillian Jessup, Kimberly Johnson, Sarah Johnson, Hetali Jokhakar, Dan Kass, Kevin Konty, Ram Koppaka, Hillary Kunins, Amber Levanon Seligon, Veronica Lewin, Wenhui Li, Nneka Lundy De La Cruz, Thomas Matte, Karen Aletha Maybank, Wendy McKelvey, Katharine McVeigh, Aaron Mettay, Chris Miller, Christa Myers, Deborah Nagin, Cathy Nonas, Christina Norman, Jennifer Norton, Carolyn Olson, Emiko Otsubo, Michelle Paladino, Denise Paone, Vasiliki Papadouka, Hilary Parton, Grant Pezeshki, Michael Porter, Susan Resnick, Rebekkah Robbins, John Rojas, Slavenka Sedlar, Tejinder Singh, Laura Smith, Travis Smith, Ariel Spira-Cohen, Catherine Stayton, Monica Sull, Ying Sun, Arpi Terzian, Elizabeth Thomas, Ellenie Tuazon, Gretchen Van Wye, Jay Varma, Verliene Wade, Sarah Walters, Catherine Wang, Kennedy Willis, Ewa Wojas, Ricky Wong, Joy Xu, Brian Yim and Jane Zucker.
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Suggested citation: