








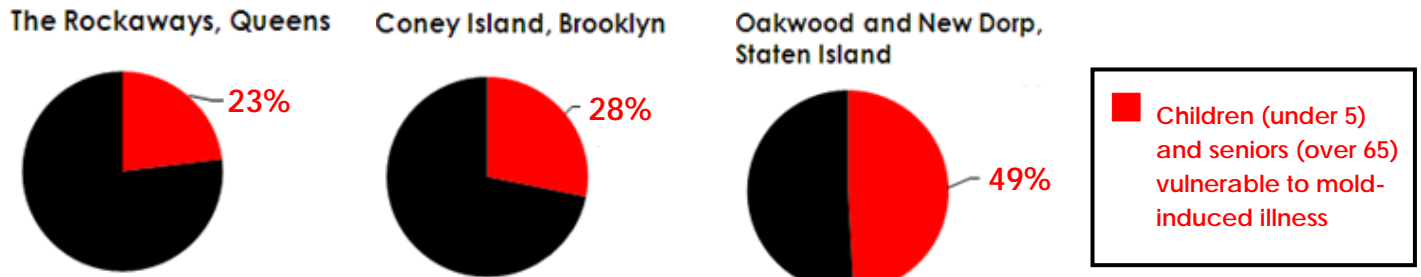
MOLD: NYC's Health Crisis Post-Sandy


MOLD CAN CAUSE SERIOUS HEALTH PROBLEMS

-  According to the NYC Department of Health and Mental Hygiene, **TOXINS PRODUCED BY MOLD, KNOWN AS MYOTOXINS, CAN CAUSE HEADACHES, NAUSEA, LOSS OF APPETITE, FATIGUE, INABILITY TO CONCENTRATE, AND MEMORY LOSS.**¹
-  According to the NYC Department of Health and Mental Hygiene, **CHRONIC EXPOSURE TO MOLD CAN LEAD TO PERMANENT LUNG DISEASE.**²
-  **MOLD MAKES HEALTHY PEOPLE SICK**, according to the Institute of Medicine: "There [is] sufficient evidence to link indoor exposure to mold with upper respiratory tract symptoms, cough, and wheeze in otherwise healthy people."³
-  **BUILDING DAMPNESS/MOLD INCREASES THE OCCURRENCE OF RESPIRATORY AND ASTHMA-RELATED HEALTH INCIDENTS BY 30-50%**, according to a World Health Organization-cited study.⁴ A second study estimated that 21% of the cases of asthma in the United States could be attributable to dampness and mold in housing, for a total annual national cost of \$3.5 billion.⁵

SANDY-IMPACTED NEIGHBORHOODS ARE ESPECIALLY VULNERABLE TO HEALTH EFFECTS FROM MOLD

-  According to Mayor Bloomberg, **70,000 TO 80,000 HOMES SUFFERED FROM WATER DAMAGE DUE TO HURRICANE SANDY**⁶
-  **ABOUT 180,000 TO 210,000 NEW YORKERS COULD BE CURRENTLY EXPOSED TO SANDY-RELATED MOLD**⁷
-  **MOLD IS ESPECIALLY DANGEROUS FOR 45,000+ VERY YOUNG (UNDER 5) AND SENIOR (OVER 65) NEW YORKERS WHO ARE CONSIDERED HIGHLY VULNERABLE TO MOLD-RELATED AILMENTS**⁸
 - ❖ Children and seniors comprise about 25% of the population in Sandy-affected neighborhoods⁹:

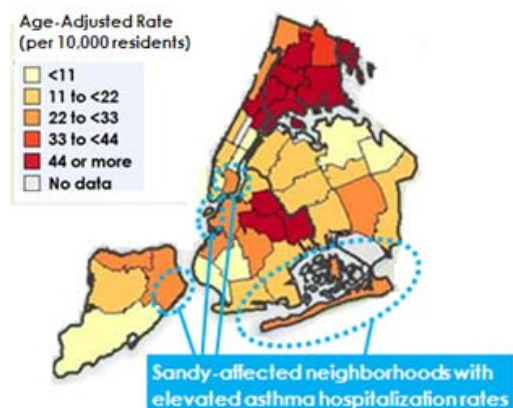


-  **MOLD IS ESPECIALLY DANGEROUS FOR INDIVIDUALS SUFFERING FROM ASTHMA AND OTHER RESPIRATORY AILMENTS**¹⁰
 - ❖ Sandy-affected neighborhoods reported **more than 30,000 asthma-related emergency room visits** between 2008 and 2010.¹¹
 - ❖ **Asthmatics** comprise **more than 25%** of the Sandy-affected neighborhood of Red Hook, Brooklyn.¹²

NYC SANDY FLOOD MAP¹³



NYC ASTHMA HOSPITALIZATION RATES (AGE 15+)¹⁴



¹ <http://www.nyc.gov/html/doh/downloads/pdf/epi/epi-mold-guidelines.pdf>

² <http://www.nyc.gov/html/doh/downloads/pdf/epi/epi-mold-guidelines.pdf>, p17

³ <http://www.cdc.gov/mold/faqs.htm#affect>

⁴ http://www.euro.who.int/_data/assets/pdf_file/0017/43325/E92645.pdf

⁵ http://www.euro.who.int/_data/assets/pdf_file/0017/43325/E92645.pdf

⁶ 70,000 – 80,000 water damaged homes (NY1, City Organizes Day Of Service To Help Sandy Recover, at http://www.ny1.com/content/top_stories/172118/city-organizes-day-of-service-to-help-sandy-recovery) *

⁷ Avg. NYC household = 2.6 ppl, http://factfinder2.census.gov/faces/tableservices/jsf/pages/productview.xhtml?pid=ACS_11_3YR_NP01&prodType=narrative_profile

⁸ Under 5 and over 65 population share determined from analysis of most recent (2009/2010) U.S. Census tract-level data for the following NYC neighborhoods: Red Hook, Coney Island, Oakwood, New Dorp, Rockaway, Howard Beach, Brookville, Rosedale

⁹ Under 5 plus over 65 population share (25.23%) determined from analysis of most recent (2009/2010) U.S. Census tract-level data for the following NYC neighborhoods: Red Hook, Coney Island, Oakwood, New Dorp, Rockaway, Howard Beach, Brookville, Rosedale

¹⁰ <http://www.nyc.gov/html/doh/downloads/pdf/epi/epi-mold-guidelines.pdf>

¹¹ http://www.health.ny.gov/statistics/ny_asthma/ed/zipcode/map.htm; Neighborhoods include Far Rockaway, Arverne, Belle Harbor, Breezy Point, Broad Channel, Howard Beach, Canarsie, Bergen Beach/Mill Basin, Sheepshead Bay/Gerritson Beach, Brighton Beach/Manhattan Beach, Coney Island, Gravesend, Red Hook, East Village, LI City, New Dorp, South Beach Old Town

¹² Red Hook Community Health Assessment, http://www.brooklyn6.org/_attachments/2009-05-22%20RHI%20Red%20Hook%20Houses%20Health%20Assessment.pdf, p1

¹³ NYC Mayor's Office, <http://www.flickr.com/photos/nycmayorsoffice/8250142756/>

¹⁴ 2008 asthma hospitalizations, from www.nyc.gov/health/tracking