

Epi Data Tables

New York City Department of Health and Mental Hygiene

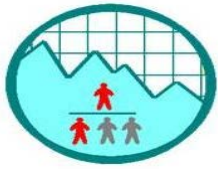
December 2012, No. 20

Geographic Co-occurrence of HIV/AIDS, Viral Hepatitis, Sexually Transmitted Diseases and Tuberculosis in New York City

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[To access the related Epi Data Brief, go to \[www.nyc.gov/health/html/doh/downloads/pdf/epi/databrief20.pdf\]\(http://www.nyc.gov/health/html/doh/downloads/pdf/epi/databrief20.pdf\)](http://www.nyc.gov/health/html/doh/downloads/pdf/epi/databrief20.pdf)



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Data Sources

Data Source

2010 HIV/AIDS surveillance data, DOHMH Bureau of HIV/AIDS Prevention and Control, Epidemiology and Field Services Program; 2010 hepatitis B and hepatitis C surveillance data, Bureau of Communicable Disease, Hepatitis Surveillance Program; 2010 chlamydia, gonorrhea and syphilis surveillance data, Bureau of STD Prevention and Control, Surveillance Unit; 2010 tuberculosis data, Bureau of TB Control, Office of Surveillance and Epidemiology. Rates were calculated using zip code population counts from the 2010 Census. Data on poverty and place of birth for NYC residents are from the 2000 Census (most recent available).

Methodology

2010 Census data and surveillance data were used to calculate rates per 100,000 population for each disease. High-morbidity zip codes were defined as those with disease rates in the top quintile or 20% (36 zip codes for each disease) of all NYC zip codes. Zip codes were given a score (0-7) indicating the number of diseases for which they had rates in the top quintile. Maps are created based on the score for each zip code using ArcGIS. Zip codes with fewer than 1,000 people were excluded from analysis.

Table 1. Newly reported cases of disease in New York City, 2010

Diseases analyzed: HIV/AIDS, hepatitis B, hepatitis C, chlamydia, gonorrhea, primary and secondary syphilis, tuberculosis (TB)

Sources: NYC DOHMH surveillance data - Bureau of HIV Prevention and Control; Bureau of Communicable Disease; Bureau of STD Prevention and Control; Bureau of Tuberculosis Control

Disease	Number of newly reported cases	Average NYC rate*	Highest zip code rate*
HIV/AIDS	3,481	43	268
Hepatitis B	10,536	129	1,326
Hepatitis C	10,021	123	1,343
Chlamydia	63,544	777	2,402
Gonorrhea	12,354	151	587
Syphilis	955	12	126
Tuberculosis	711	9	47

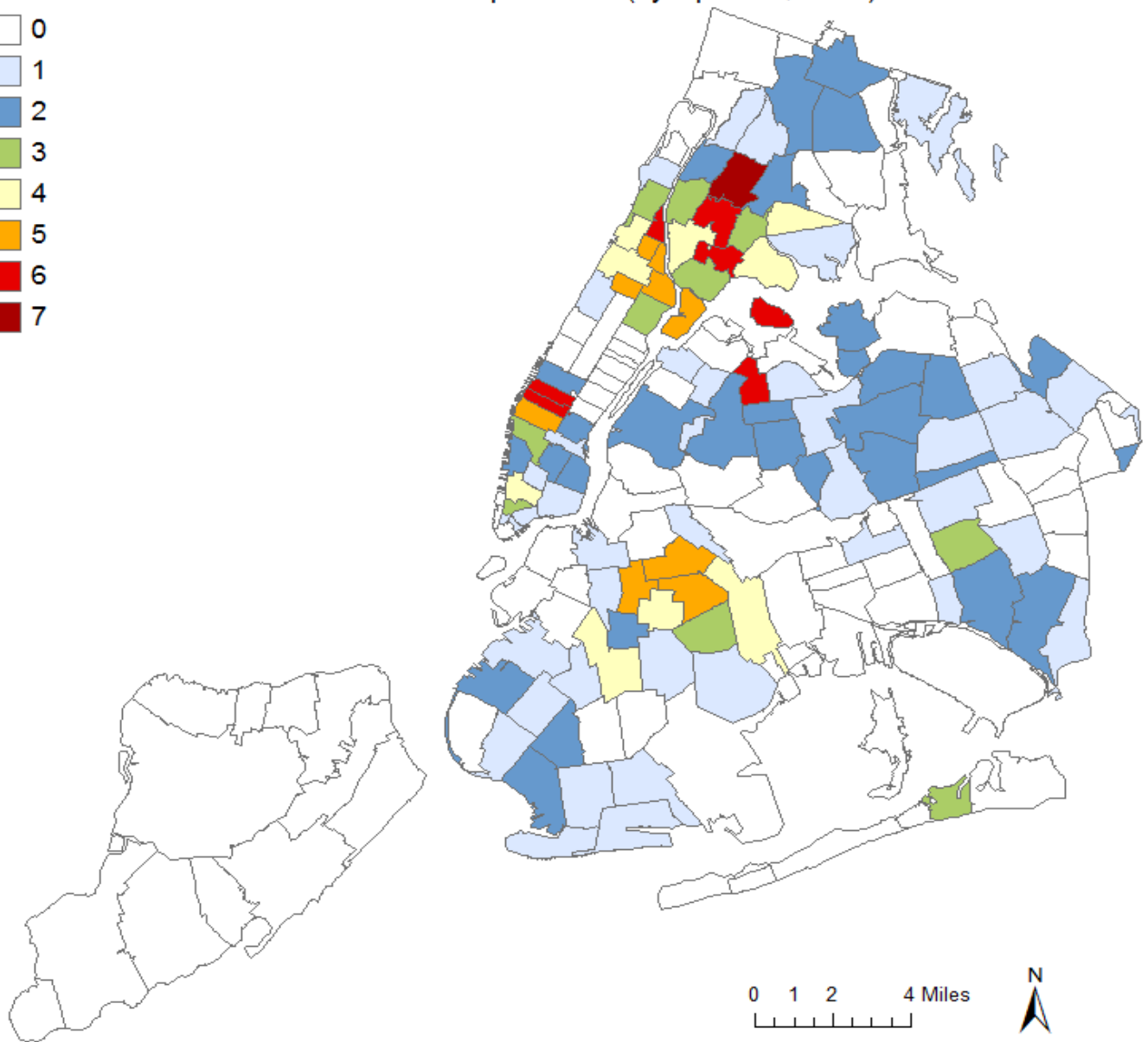
* per 100,000 New Yorkers

Map 1. New York City zip codes with rates of disease in the top quintile of all zip codes

Diseases analyzed: HIV/AIDS, hepatitis B, hepatitis C, chlamydia, gonorrhea, syphilis, tuberculosis (TB)

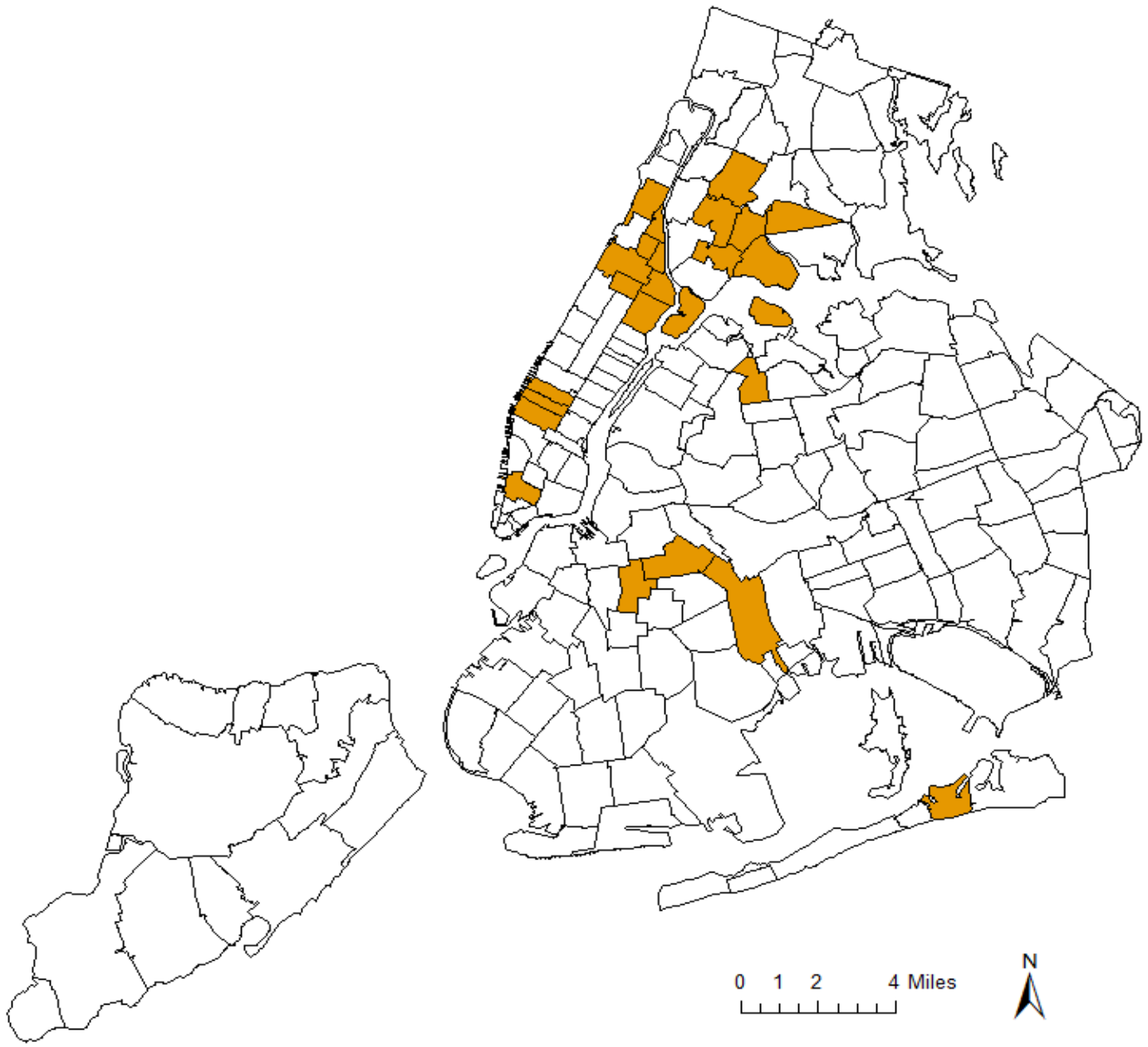
Sources: NYC DOHMH 2010 surveillance data - Bureau of HIV/AIDS Prevention and Control; Bureau of Communicable Disease; Bureau of STD Prevention and Control; Bureau of Tuberculosis Control

Number of Diseases with Rates in the Top Quintile (by zip code, 2010)



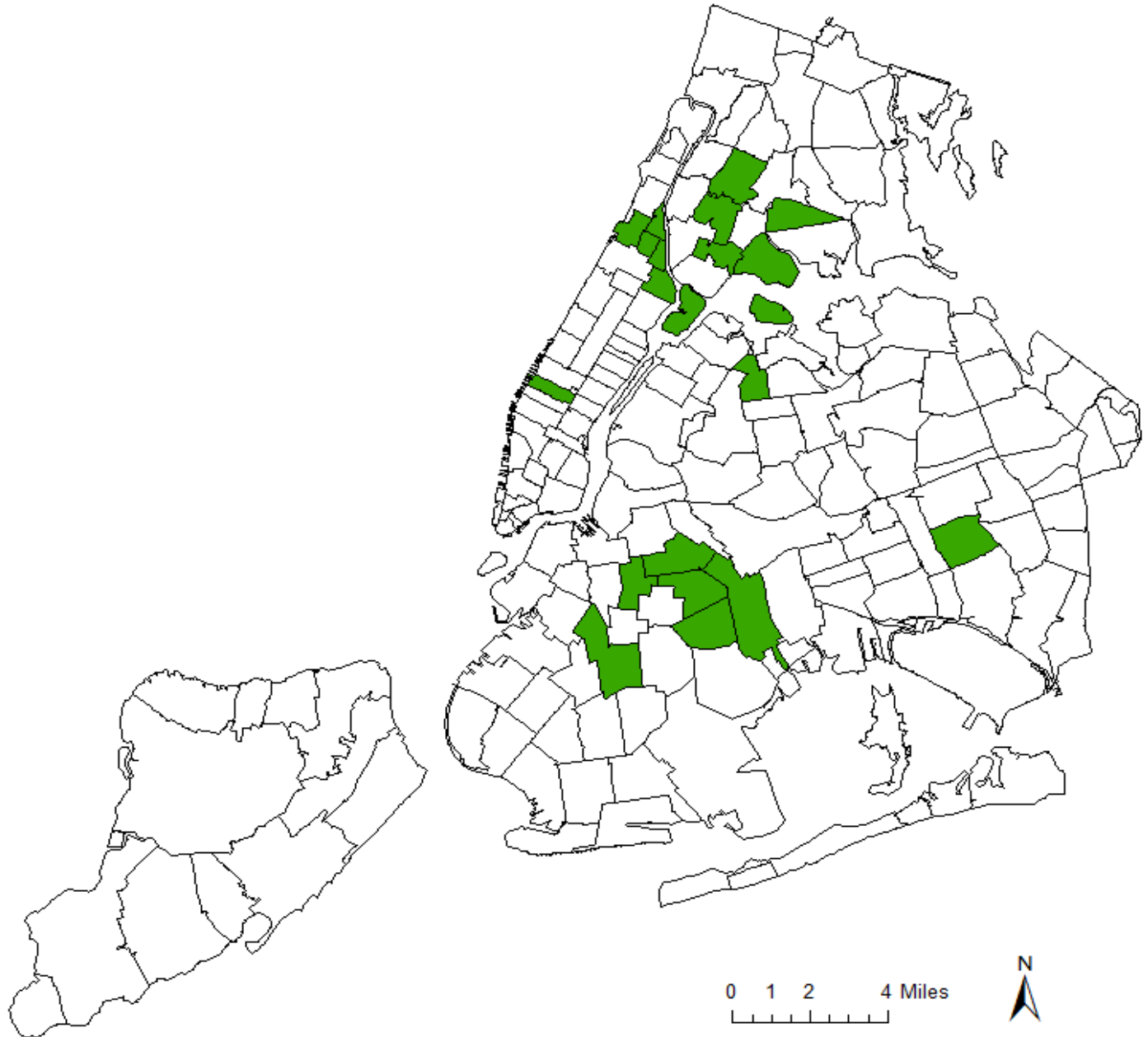
Map 2. New York City zip codes with rates of hepatitis C and HIV/AIDS in the top quintile of all zip codes

Sources: NYC DOHMH 2010 surveillance data - Bureau of Communicable Disease 2010; Bureau of HIV/AIDS Prevention and Control



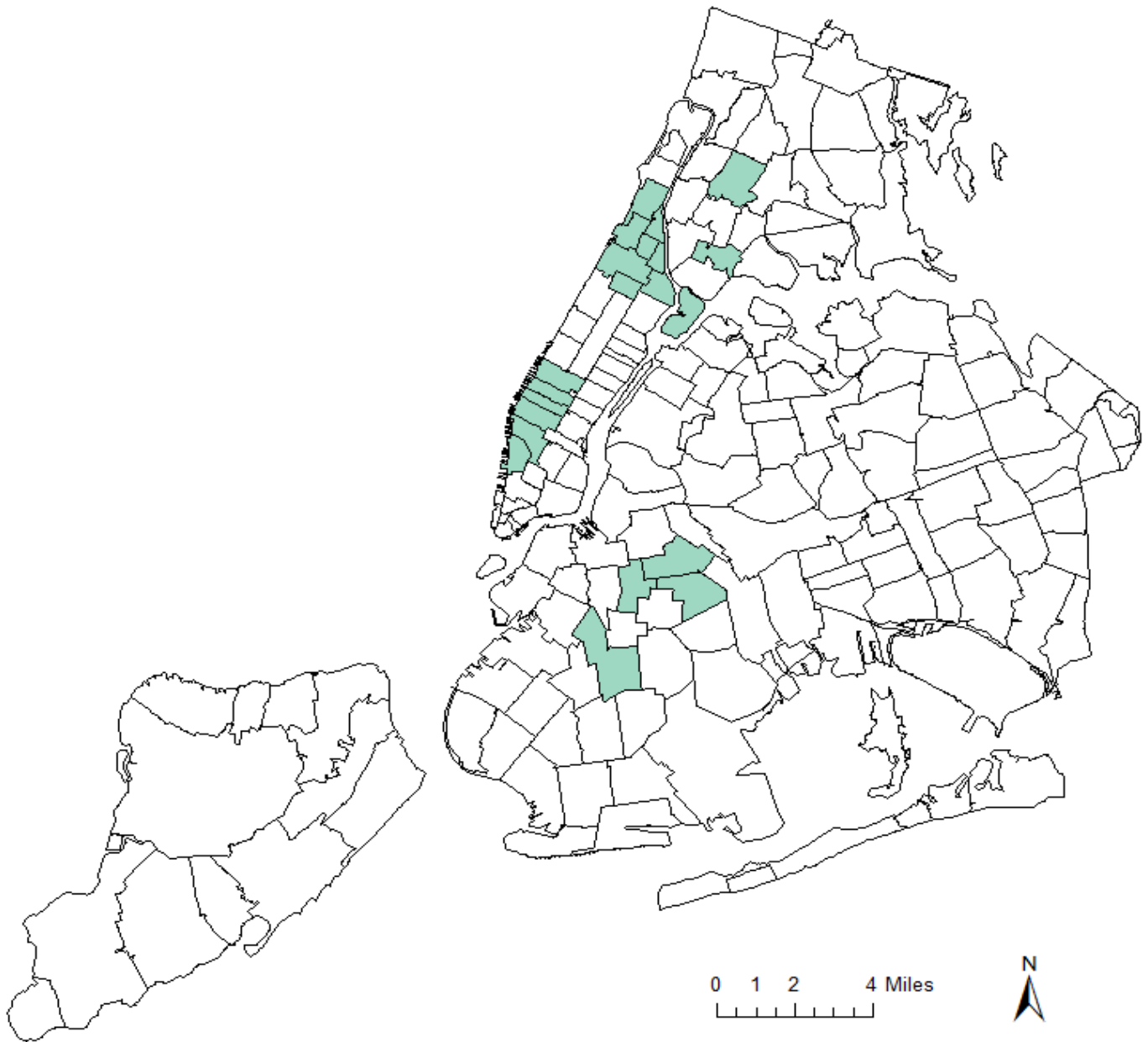
Map 3. New York City zip codes with rates of HIV/AIDS, gonorrhea and chlamydia in the top quintile of all zip codes

Sources: NYC DOHMH 2010 surveillance data - Bureau of HIV/AIDS Prevention and Control; Bureau of STD Prevention and Control



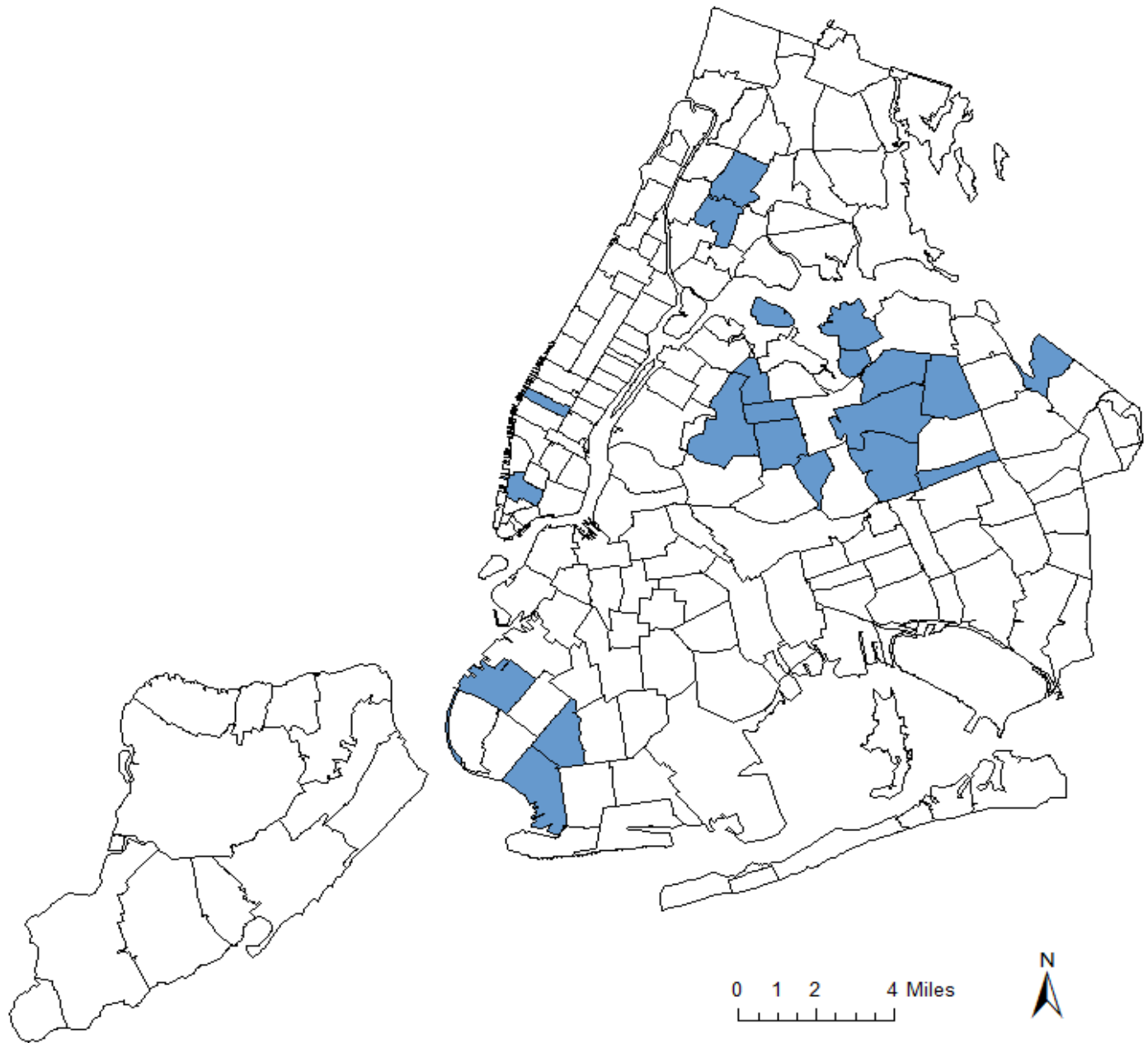
Map 4. New York City zip codes with rates of HIV/AIDS and primary & secondary syphilis in the top quintile of all zip codes

Sources: NYC DOHMH 2010 surveillance data - Bureau of HIV/AIDS Prevention and Control; Bureau of STD Prevention and Control



Map 5. New York City zip codes with rates of hepatitis B and tuberculosis in the top quintile of all zip codes

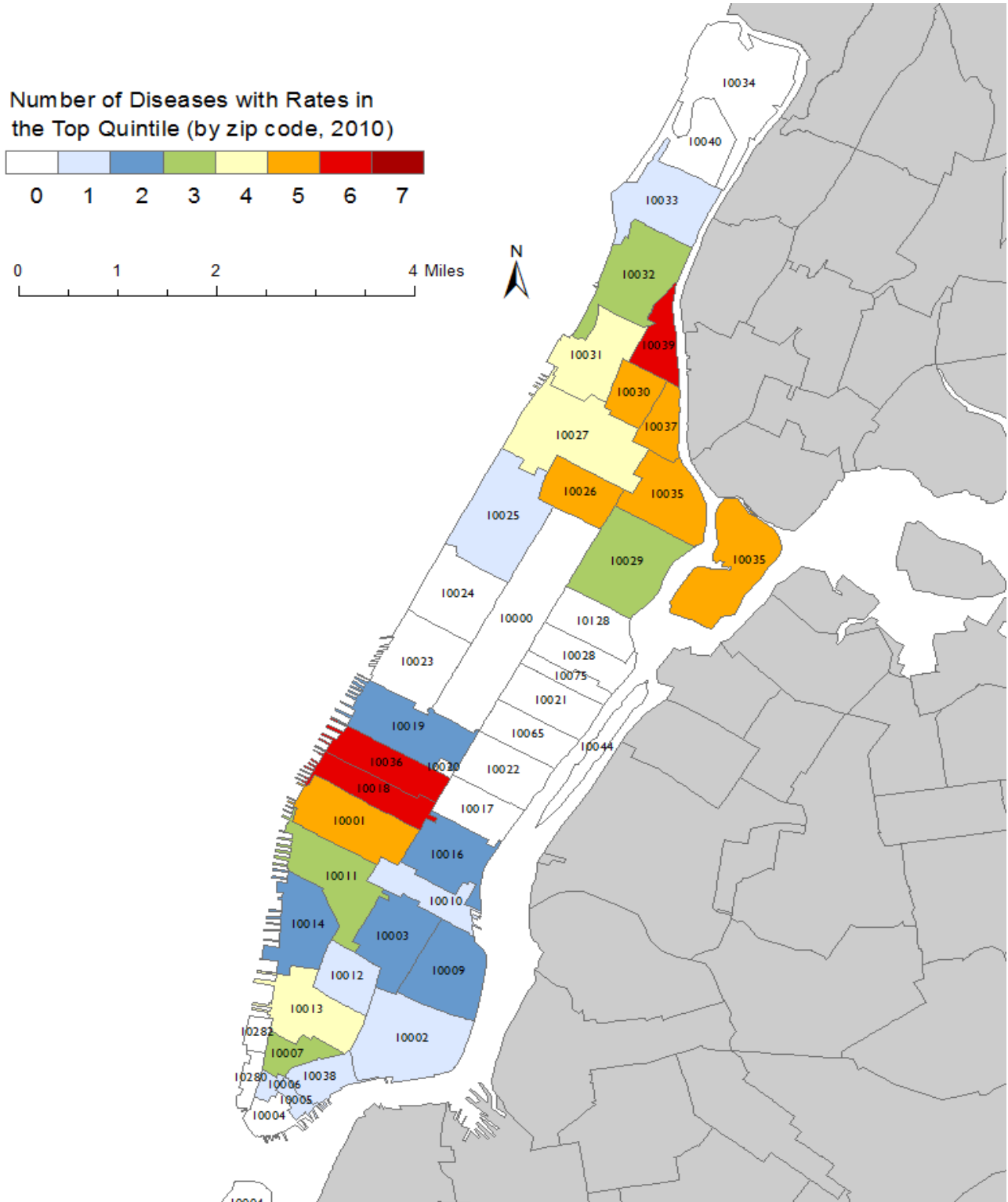
Sources: NYC DOHMH 2010 surveillance data - Bureau of Communicable Disease; Bureau of Tuberculosis Control



Map 6. Manhattan zip codes with rates of disease in the top quintile of all NYC zip codes

Diseases analyzed: HIV/AIDS, hepatitis B, hepatitis C, chlamydia, gonorrhea, syphilis, tuberculosis (TB)

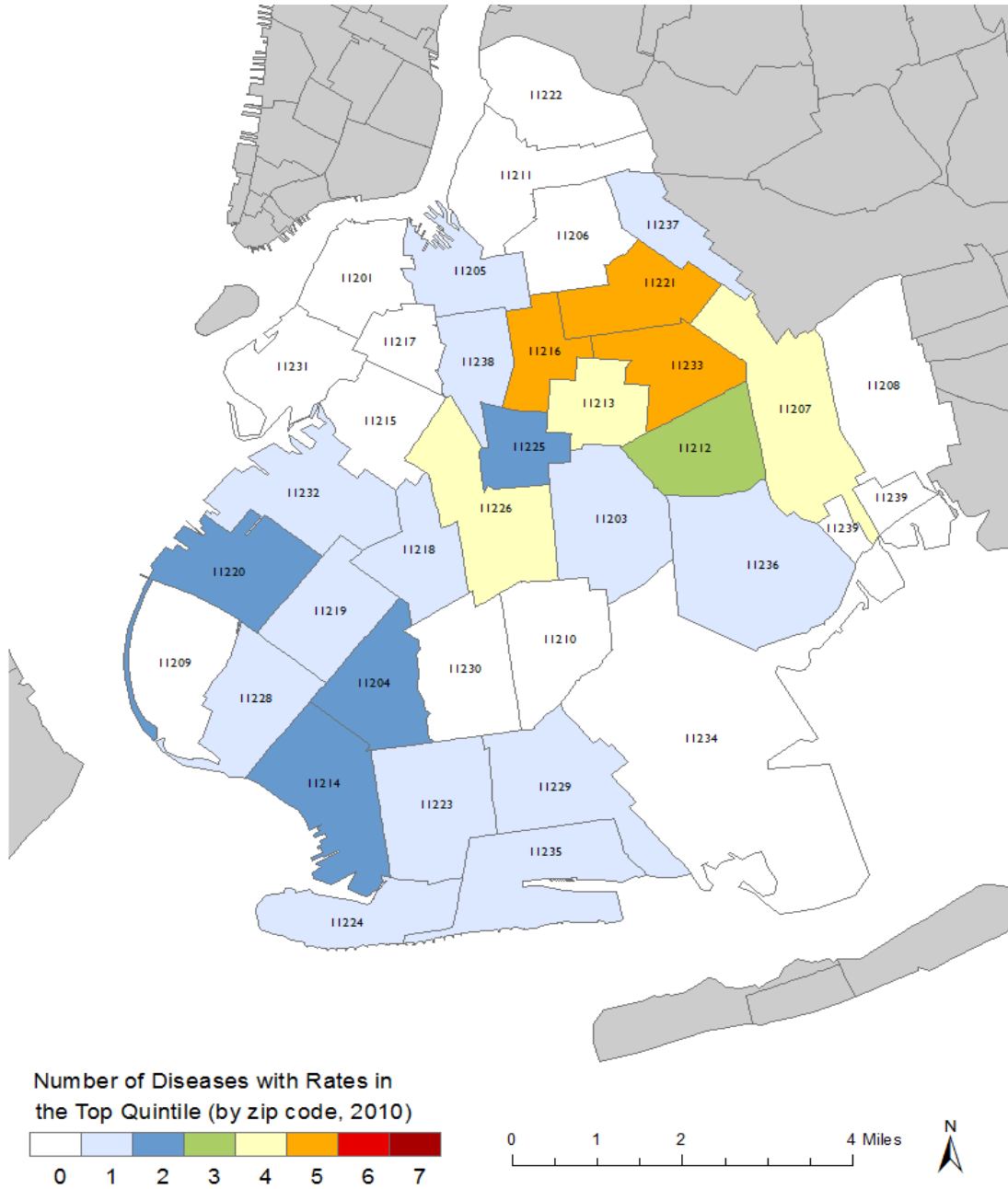
Sources: NYC DOHMH 2010 surveillance data - Bureau of HIV/AIDS Prevention and Control; Bureau of Communicable Disease; Bureau of STD Prevention and Control; Bureau of Tuberculosis Control



Map 7. Brooklyn zip codes with rates of disease in the top quintile of all NYC zip codes

Diseases analyzed: HIV/AIDS, hepatitis B, hepatitis C, chlamydia, gonorrhea, syphilis, tuberculosis (TB)

Sources: NYC DOHMH 2010 surveillance data - Bureau of HIV/AIDS Prevention and Control; Bureau of Communicable Disease; Bureau of STD Prevention and Control; Bureau of Tuberculosis Control

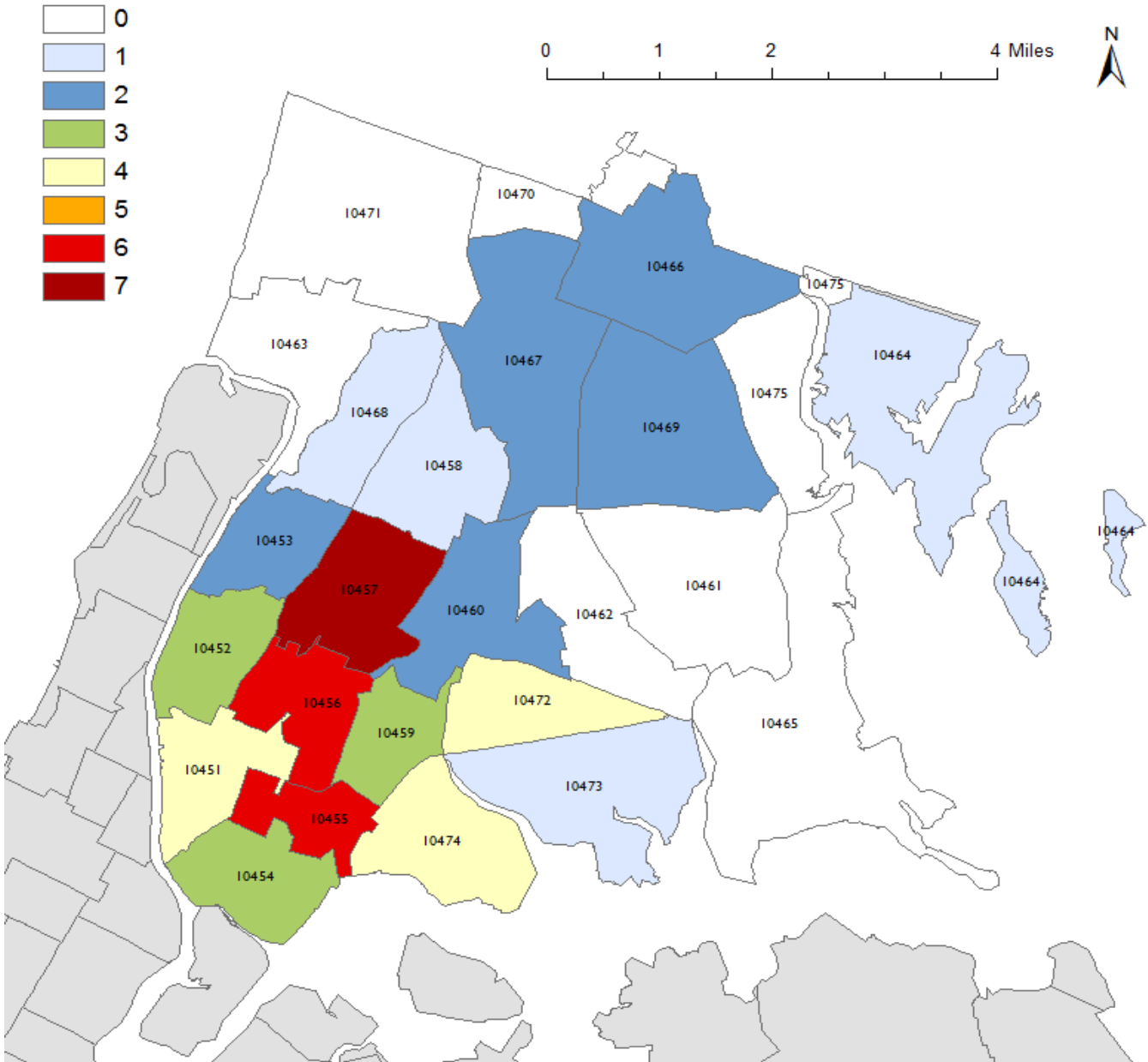


Map 8. Bronx zip codes with rates of disease in the top quintile of all NYC zip codes

Diseases analyzed: HIV/AIDS, hepatitis B, hepatitis C, chlamydia, gonorrhea, syphilis, tuberculosis (TB)

Sources: NYC DOHMH 2010 surveillance data - Bureau of HIV/AIDS Prevention and Control; Bureau of Communicable Disease; Bureau of STD Prevention and Control; Bureau of Tuberculosis Control

Number of Diseases with Rates in the Top Quintile (by zip code, 2010)

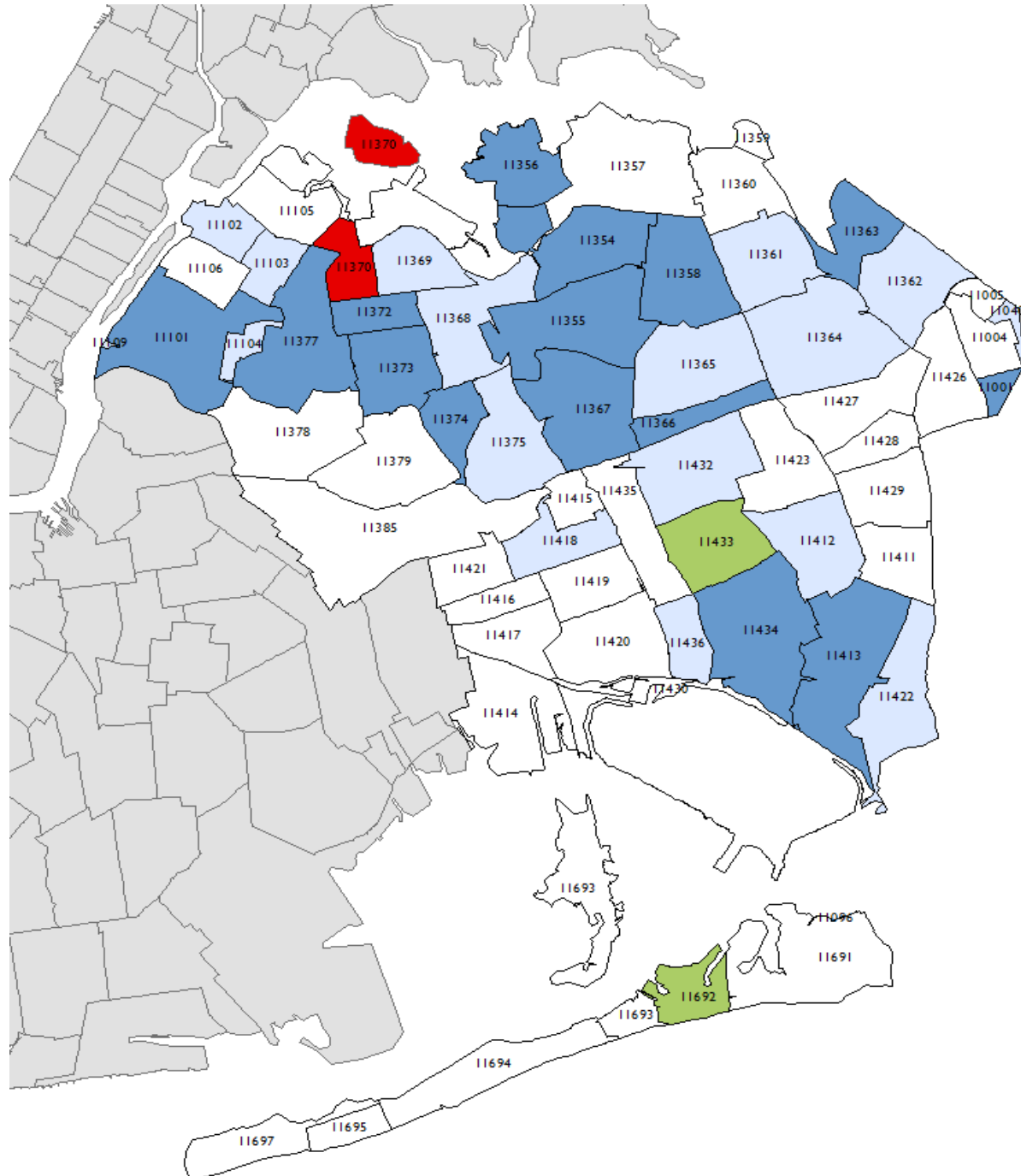


Map 9. Queens zip codes with rates of disease in the top quintile of all NYC zip codes

Diseases analyzed: HIV/AIDS, hepatitis B, hepatitis C, chlamydia, gonorrhea, syphilis, tuberculosis (TB)

Zip code 11370 includes Rikers Island. Most cases of disease in this zip code in West Queens are likely attributable to Rikers Island inmates.

Sources: NYC DOHMH 2010 surveillance data - Bureau of HIV/AIDS Prevention and Control; Bureau of Communicable Disease; Bureau of STD Prevention and Control; Bureau of Tuberculosis Control



Number of Diseases with Rates in the Top Quintile (by zip code, 2010)

0	1	2	3	4	5	6	7
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0 1 2 4 Miles

