

Erie County Mental Health Treatment Gaps and Barriers Analysis [2015]

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City of Buffalo Only

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Gaps and Barriers Analysis Overview

The Gaps and Barriers Analysis for Treatment Services in Erie County compares the provision of treatment services within each ZIP code area to selected risk indicators. Gaps are identified where there is a mismatch between the treatment services and risk level (e.g., no/low treatment provision & high risk). First, the distribution of treatment services was evaluated by compiling information about treatment programs and their locations through the NYS Office of Mental Health (OMH). This data was tallied by ZIP code for each program type.

Maps were developed from these data to evaluate the spatial distribution of programs in Erie County and then to examine existing gaps in service provision. The maps of treatment programs are broken down into five categories that correspond to none, one, a few (2 or 3), some (4 or 5) and many (more than 5). The gaps and barriers analysis for treatment programs compares the highest level of aggregated risk for ZIP codes in Erie County with the number of treatment programs. Risk indicator measures were selected using a World Health Organization (WHO) framework for mental health risk (WHO, 2012). These were summed and then re-quartiled for this aggregated risk measure; the locations with the highest level of risk are those with aggregated measures that fall in the fourth quartiles of either ZIP codes in Erie County Excluding City of Buffalo or ZIP codes in the City of Buffalo Only.

Accessibility was measured using definitions instituted by the U.S. Department of Agriculture Economic Research Service through research on food access. In urban areas, accessibility is defined as being within 1 mile; and in rural areas, within 10 miles. Maps showing ZIP codes of highest risk were derived by creating straight line distance buffers around the geocoded locations of NYS Office of Mental Health (OMH) treatment program locations for both Erie County excluding Buffalo and the City of Buffalo only. These locations included programs from neighboring counties if they were within 10 miles of the Erie County border.

Gaps and Barriers Analysis Results

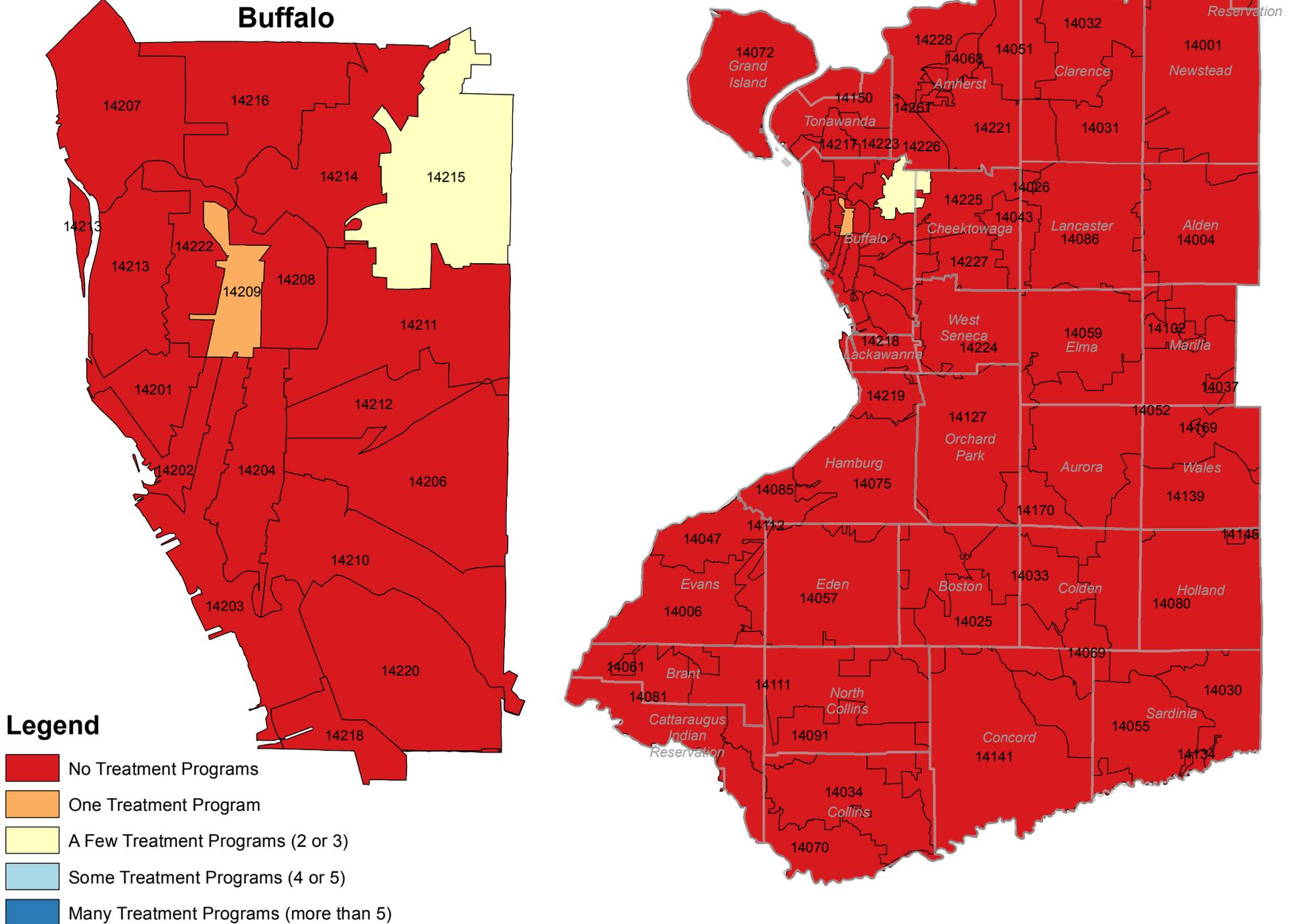
- Descriptive Maps of Treatment Program Locations
 - Treatment programs are concentrated in the more urbanized northwestern portion of Erie County, with many ZIP codes in the eastern and southwestern portions of the county having no programs
 - Many of the ZIP codes in the City of Buffalo contain 4 or more treatment programs.
 - Emergency programs exist within the City of Buffalo only.
 - Inpatient programs exist within the City of Buffalo and the bordering ZIP codes 14218, which is comprised primarily of Lackawanna, and 14224, which is comprised primarily of West Seneca.
 - Outpatient programs are lacking in the southeastern part of the county.
 - Support programs are highly concentrated in the north of the City of Buffalo and ZIP code 14225, which comprises the northern portion of Cheektowaga. These ZIP codes have more than 5 programs. Many of the other ZIP codes in Buffalo have between 1 and 5 programs.
- Maps of Highest Risk Locations with Treatment Programs
 - Erie County Excluding City of Buffalo
 - With the exception of ZIP code 14225, most of the highest risk ZIP codes in Erie County have limited or no access to many types of mental health treatment

- programs. 4 of 11 ZIP codes have 2 or 3 programs, while 6 of 11 ZIP codes, over half, contain no programs.
 - City of Buffalo Only
 - All of the 5 highest risk ZIP codes in the City of Buffalo contain at least 2 mental health treatment programs, and 4 of the ZIP codes contain 4 or more programs.
 - Highest risk ZIP codes in Buffalo do not contain emergency or inpatient programs.
 - Accessibility maps
 - Erie County Excluding City of Buffalo
 - Overall accessibility to some type of mental health treatment program for the majority of Erie County based on all treatment programs and types is good, only a small portion of highest risk ZIP code 14070 is more than 10 miles from any mental health treatment program.
 - Highest risk ZIP codes in northern and western Erie County have access to emergency, inpatient, outpatient, and support treatment programs.
 - In southern Erie County, all areas of highest risk ZIP codes 14006, 14070, 14034, 14070, 14081, 14091, 14141 are all more than 10 miles from any emergency, inpatient, or support programs. Outpatient program accessibility is better, with only a small portion of highest risk ZIP code 14070 is more than 10 miles from outpatient programs.
 - City of Buffalo Only
 - Overall accessibility to some type of mental health treatment program for the majority of the City of Buffalo based on all treatment programs and types is good, however approximately half of highest risk ZIP code 14203 is more than 1 mile from any type of mental health program.
 - Almost all of the City of Buffalo has access to support programs, with the exception of approximately half of highest risk ZIP code 14203 and a portion of 14204.
 - The majority of Buffalo has access to outpatient programs, however approximately half of highest risk ZIP code 14203 and small portions of 14204 and 14211 are more than 1 mile from this type of program.
 - Large portions of all 5 highest risk ZIP codes in Buffalo – 14201, 14203, 14204, 14208, and 14211 are more than 1 mile from emergency or inpatient mental health programs.
 - Programs by Age
 - Mental health programs for all age groups are concentrated primarily in the City of Buffalo and surrounding ZIP codes in the northwestern parts of Erie County. While several ZIP codes, 14006, 14007, 14111, and 14141, in the south of the county have some programs for various age groups; many ZIP codes in southeastern Erie County have no programs.

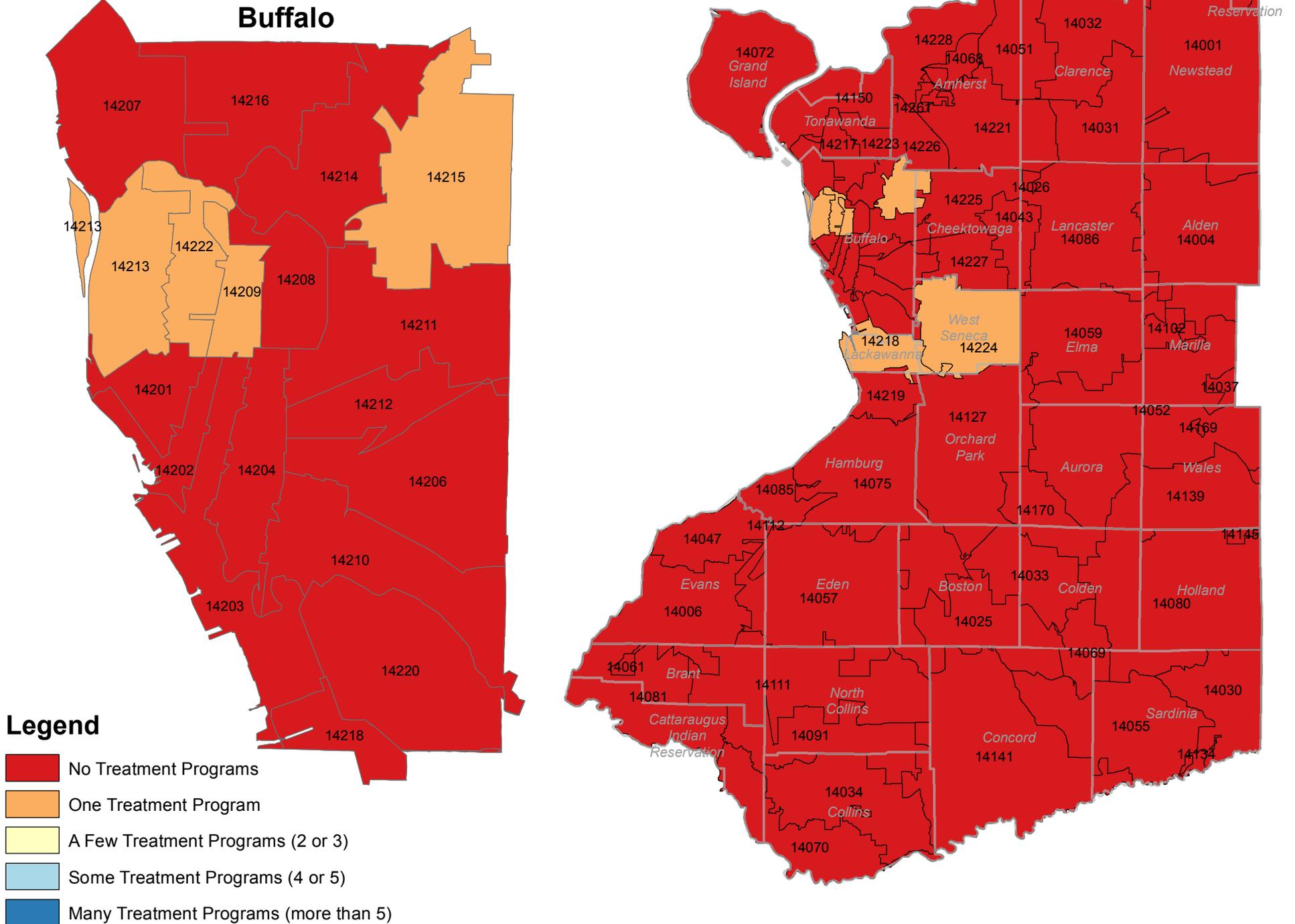
References

World Health Organization (WHO). 2012. Risks to Mental Health: An Overview of Vulnerabilities and Risk Factors. Background Paper by WHO Secretariat for the Development of a Comprehensive Mental Health Action Plan.

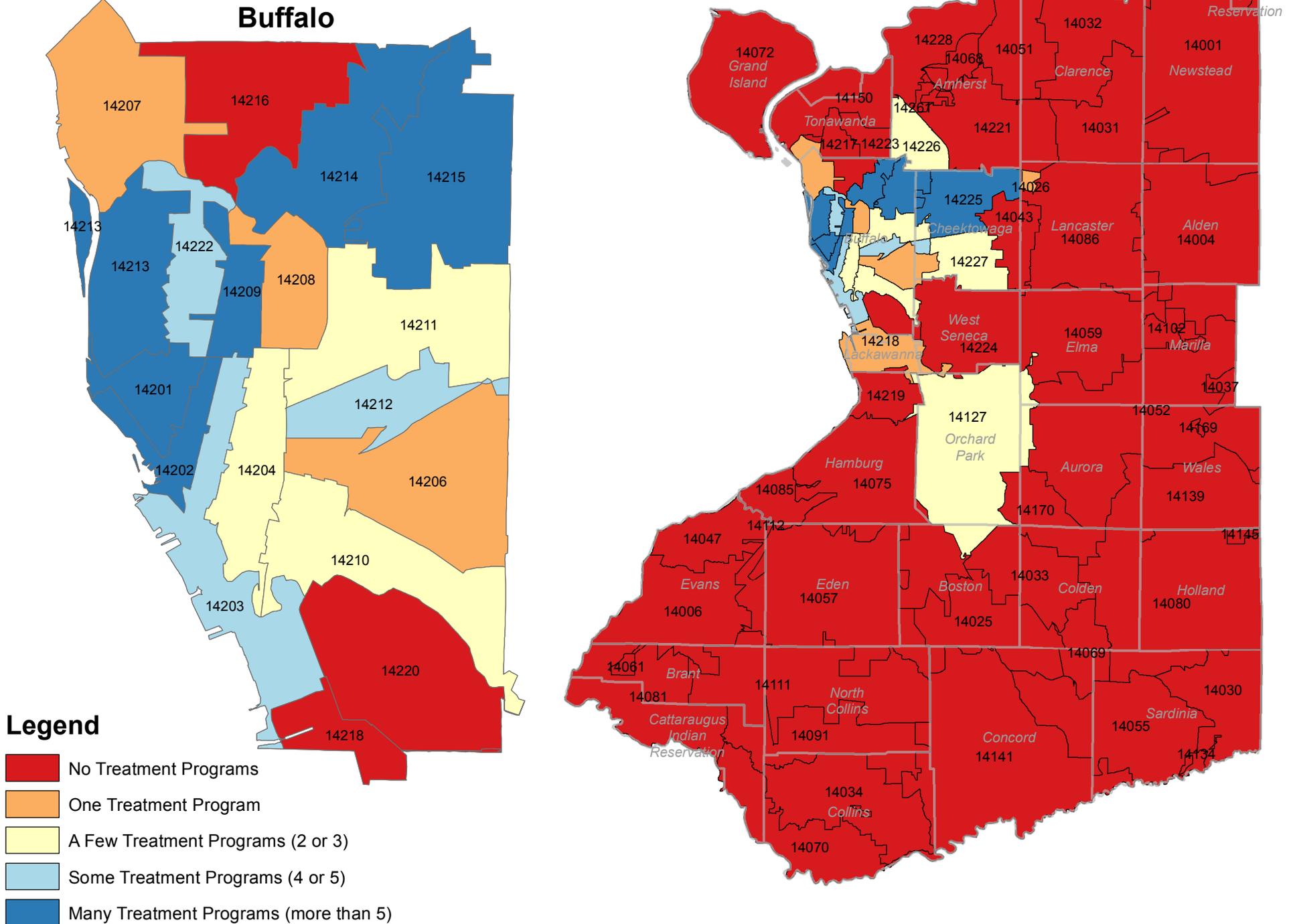
Erie County Mental Health Treatment Programs: Emergency Programs



Erie County Mental Health Treatment Programs: Inpatient Programs

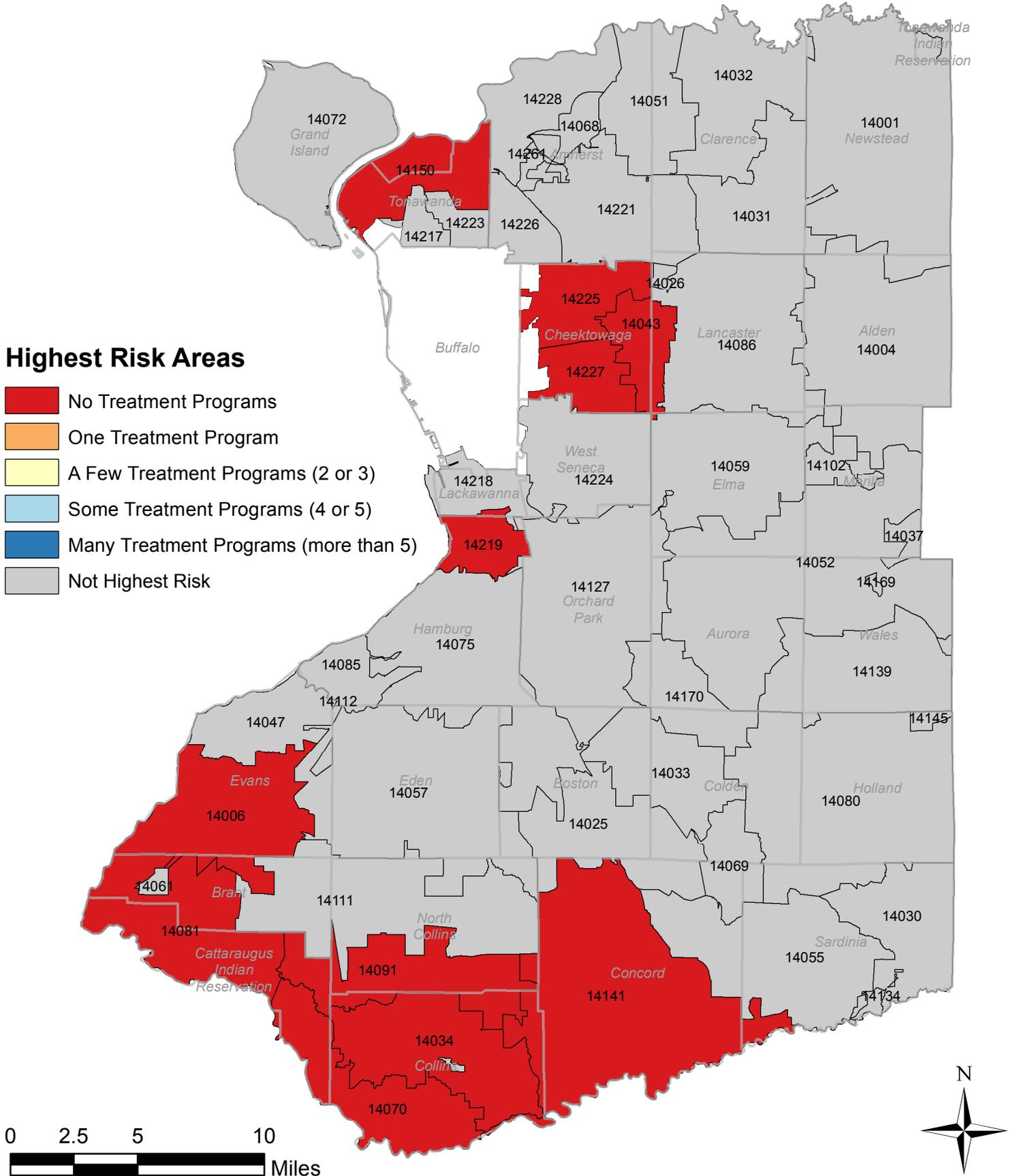


Erie County Mental Health Treatment Programs: Support Programs



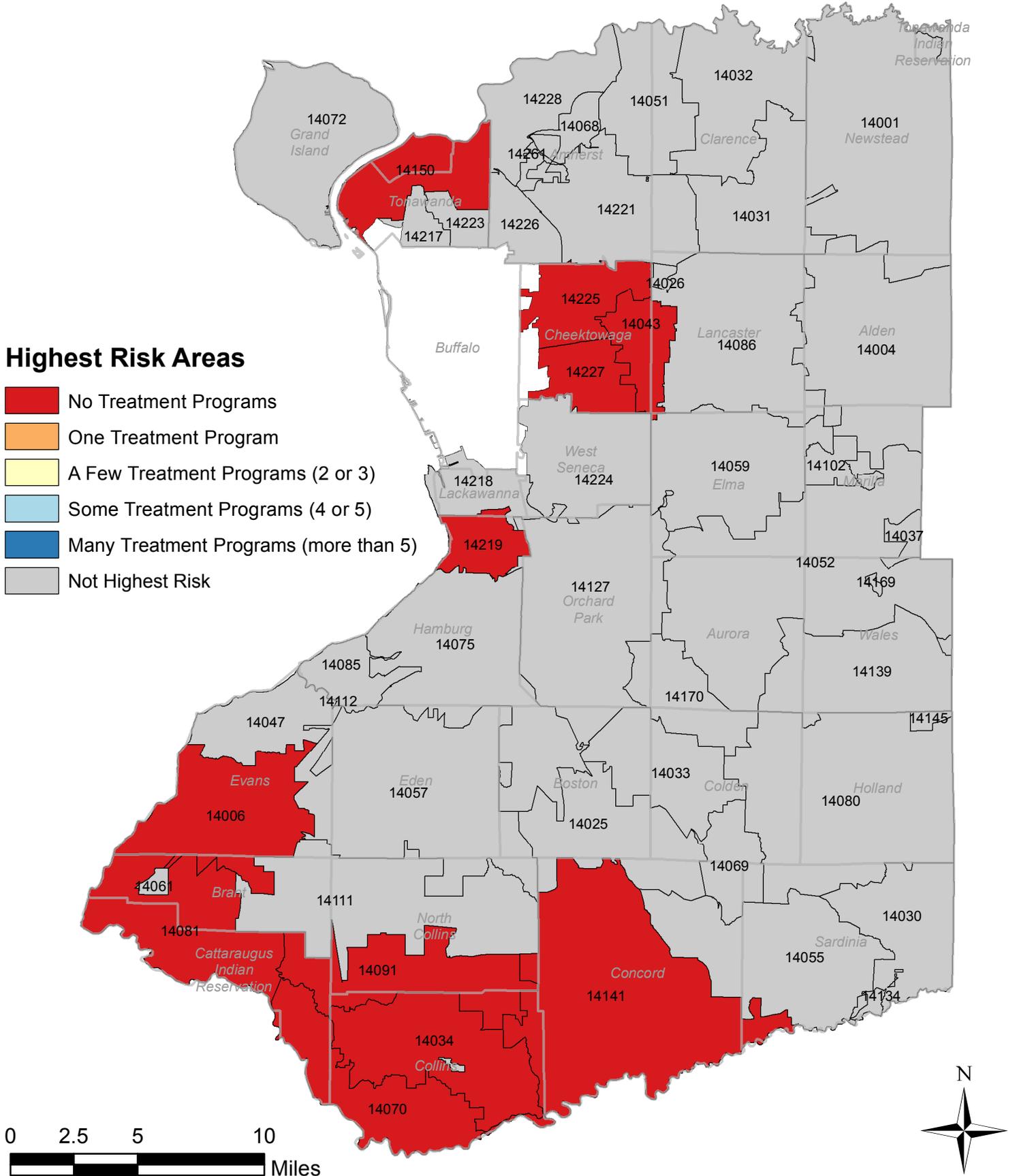
ZIP Codes with Highest Level of Aggregated Risk by Number of Emergency Programs

[Erie County Excluding City of Buffalo, with Municipal Boundaries]



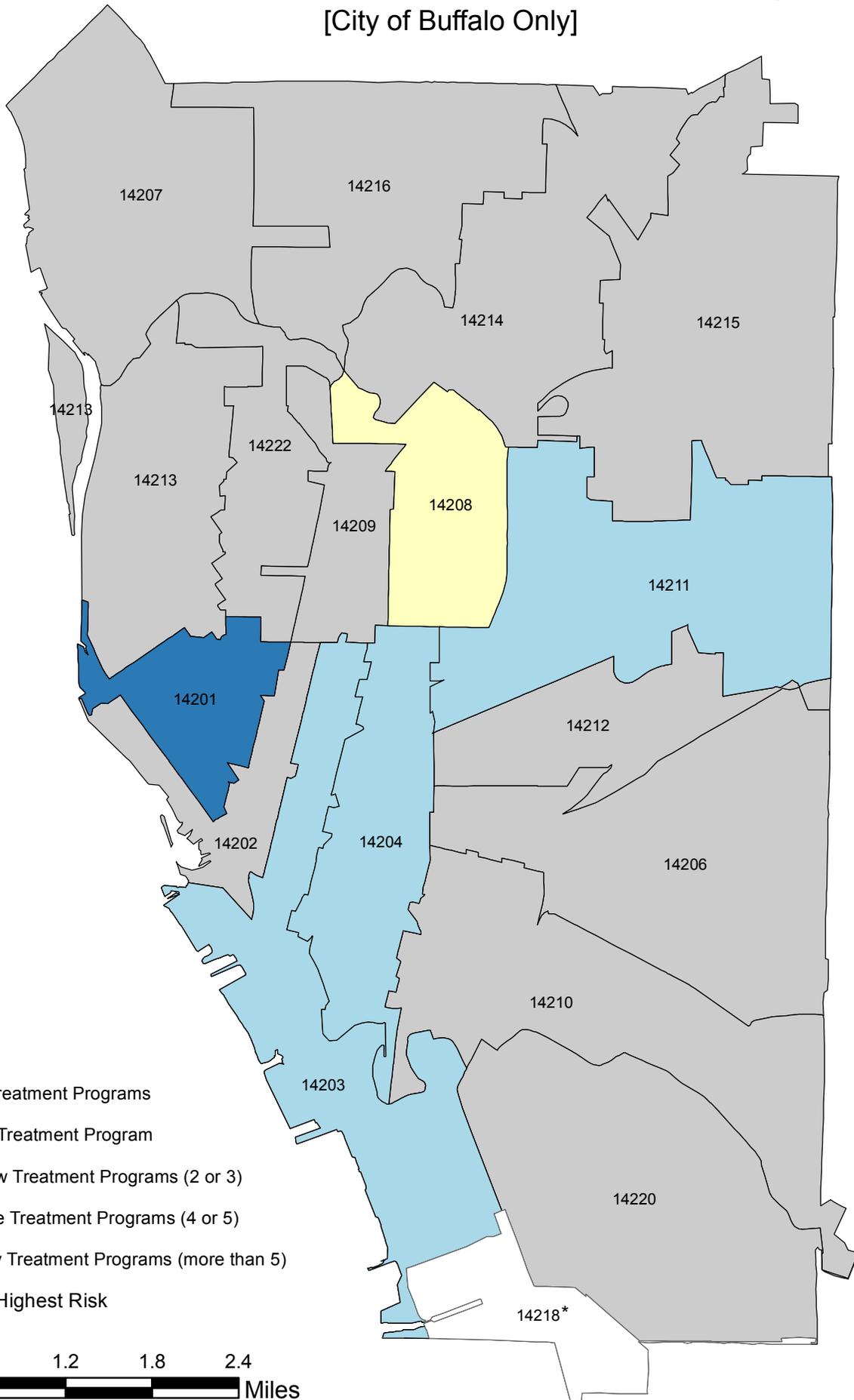
ZIP Codes with Highest Level of Aggregated Risk by Number of Inpatient Programs

[Erie County Excluding City of Buffalo, with Municipal Boundaries]



ZIP Codes with Highest Level of Aggregated Risk by Number of Mental Health Treatment Programs

[City of Buffalo Only]



Legend

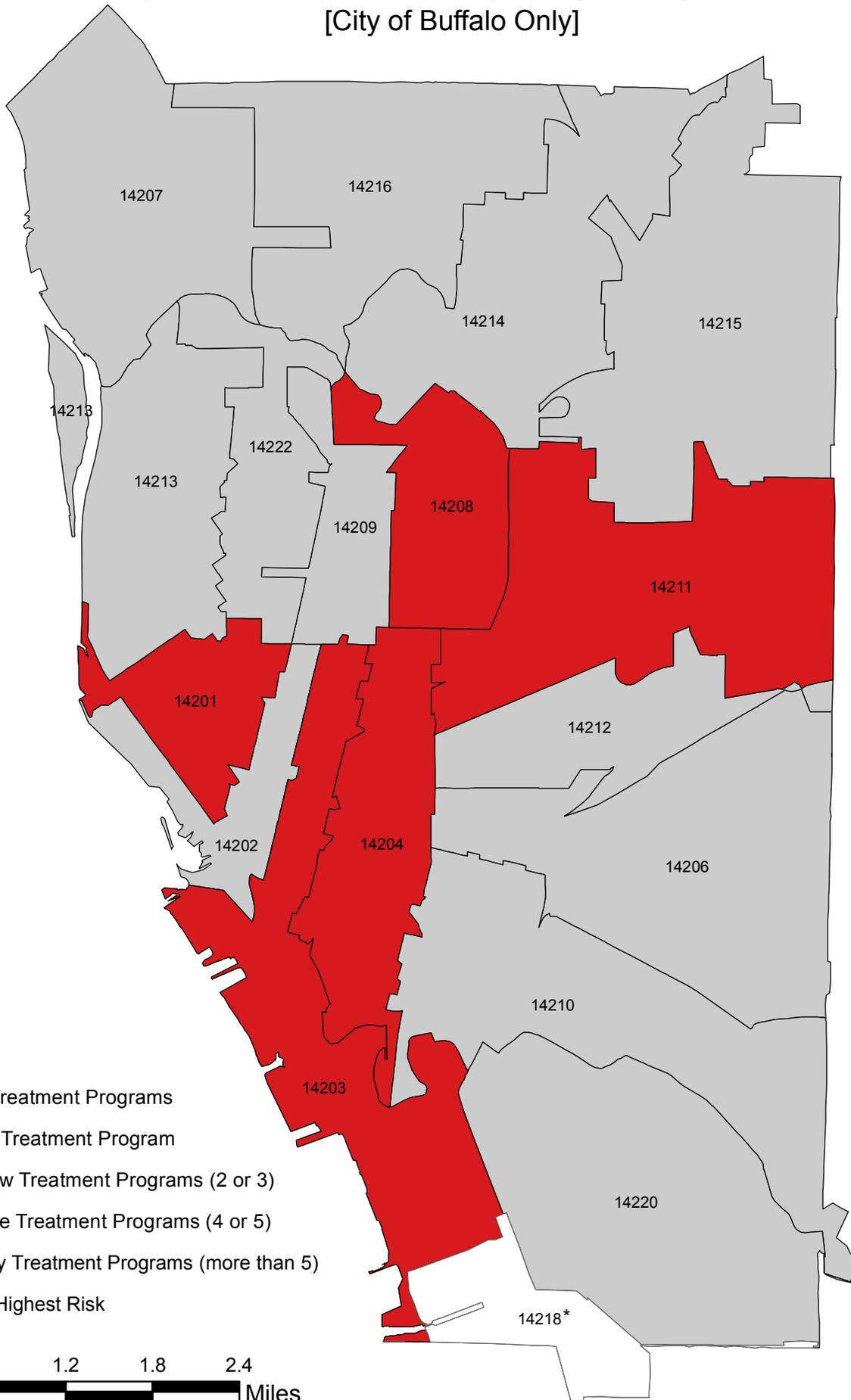
- No Treatment Programs
- One Treatment Program
- A Few Treatment Programs (2 or 3)
- Some Treatment Programs (4 or 5)
- Many Treatment Programs (more than 5)
- Not Highest Risk



* The majority of ZIP Code 14218 is outside the City of Buffalo.

ZIP Codes with Highest Level of Aggregated Risk by Number of Emergency Programs

[City of Buffalo Only]



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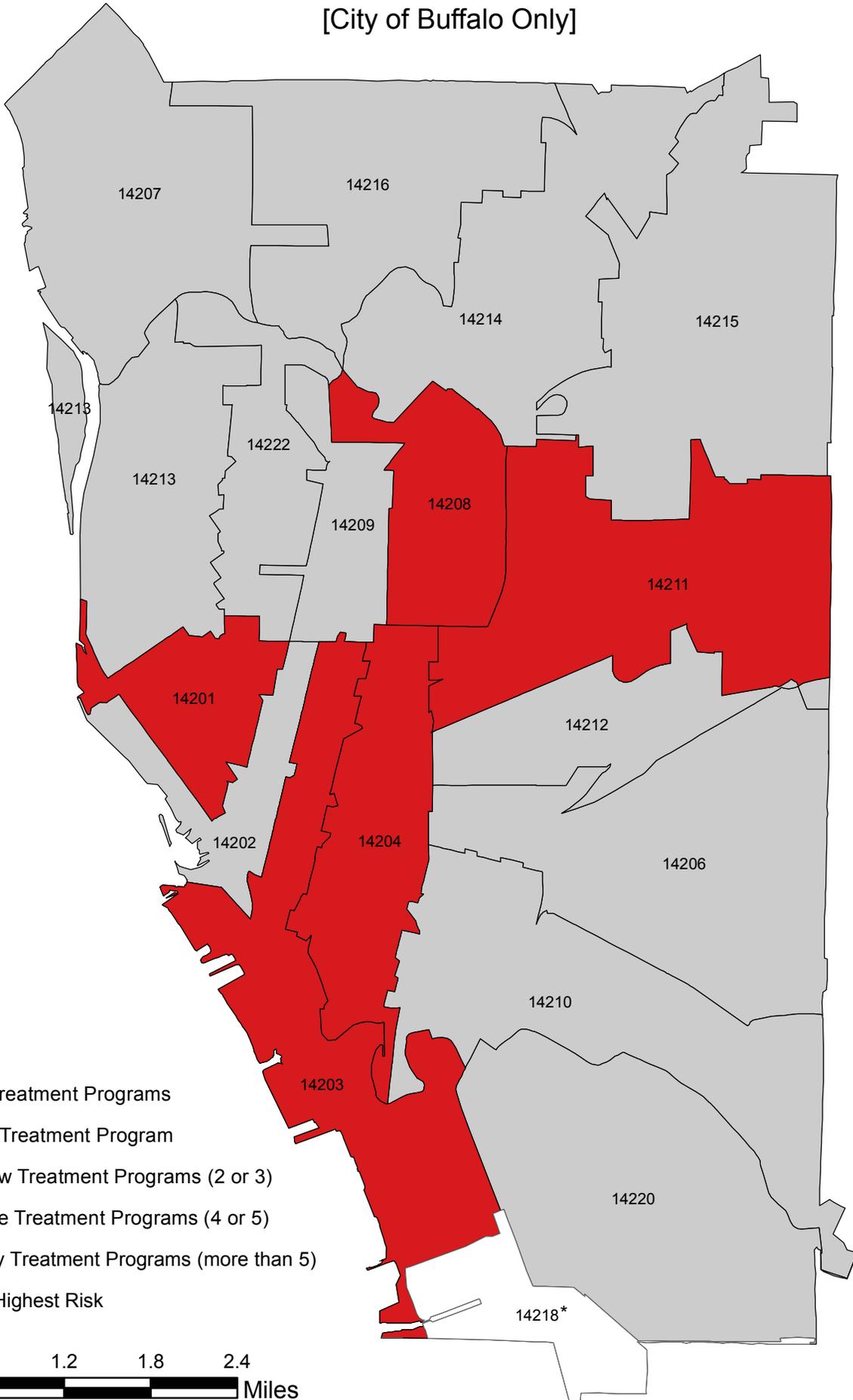
- No Treatment Programs
- One Treatment Program
- A Few Treatment Programs (2 or 3)
- Some Treatment Programs (4 or 5)
- Many Treatment Programs (more than 5)
- Not Highest Risk



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ZIP Codes with Highest Level of Aggregated Risk by Number of Inpatient Programs

[City of Buffalo Only]



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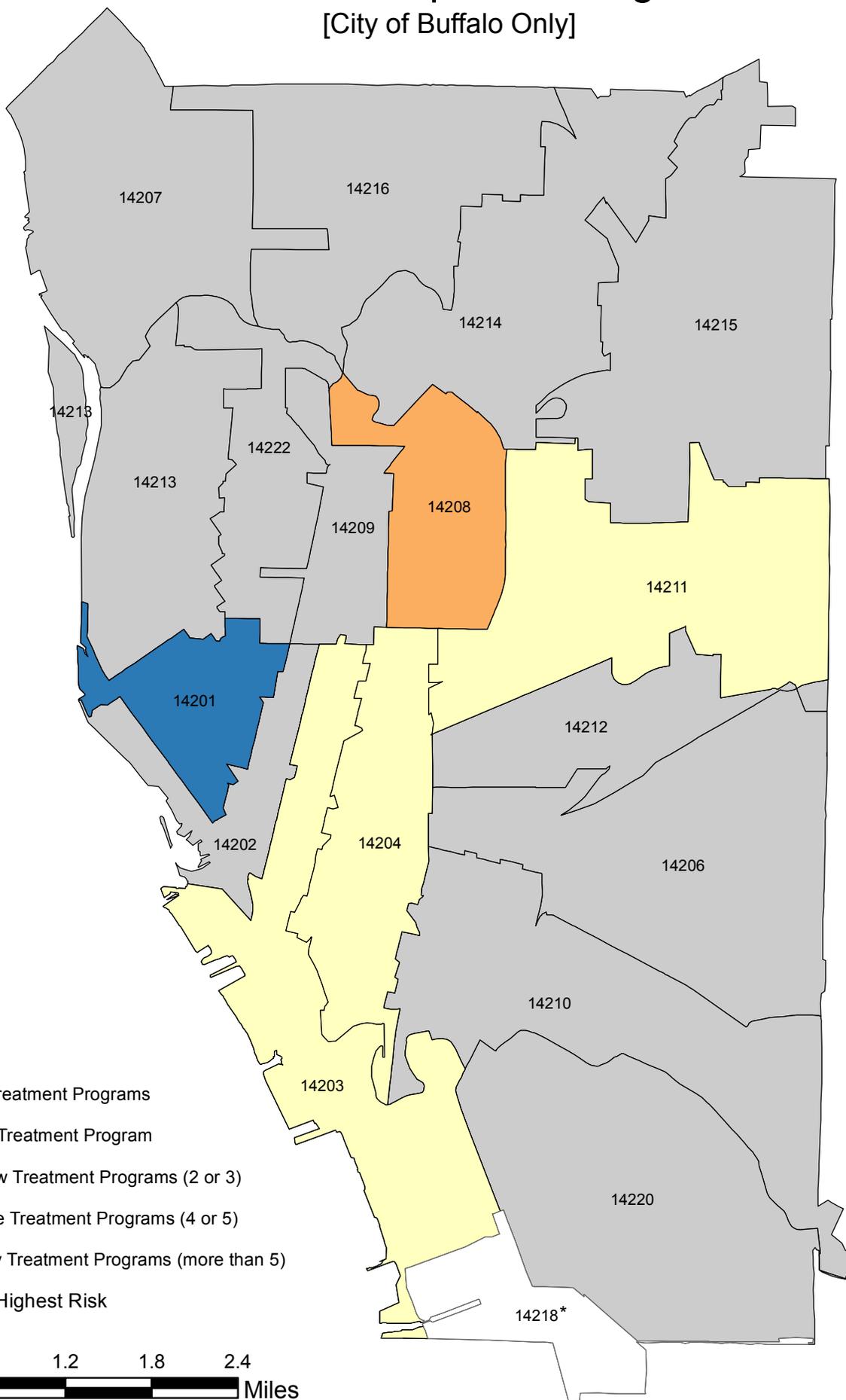
- No Treatment Programs
- One Treatment Program
- A Few Treatment Programs (2 or 3)
- Some Treatment Programs (4 or 5)
- Many Treatment Programs (more than 5)
- Not Highest Risk



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ZIP Codes with Highest Level of Aggregated Risk by Number of Outpatient Programs

[City of Buffalo Only]



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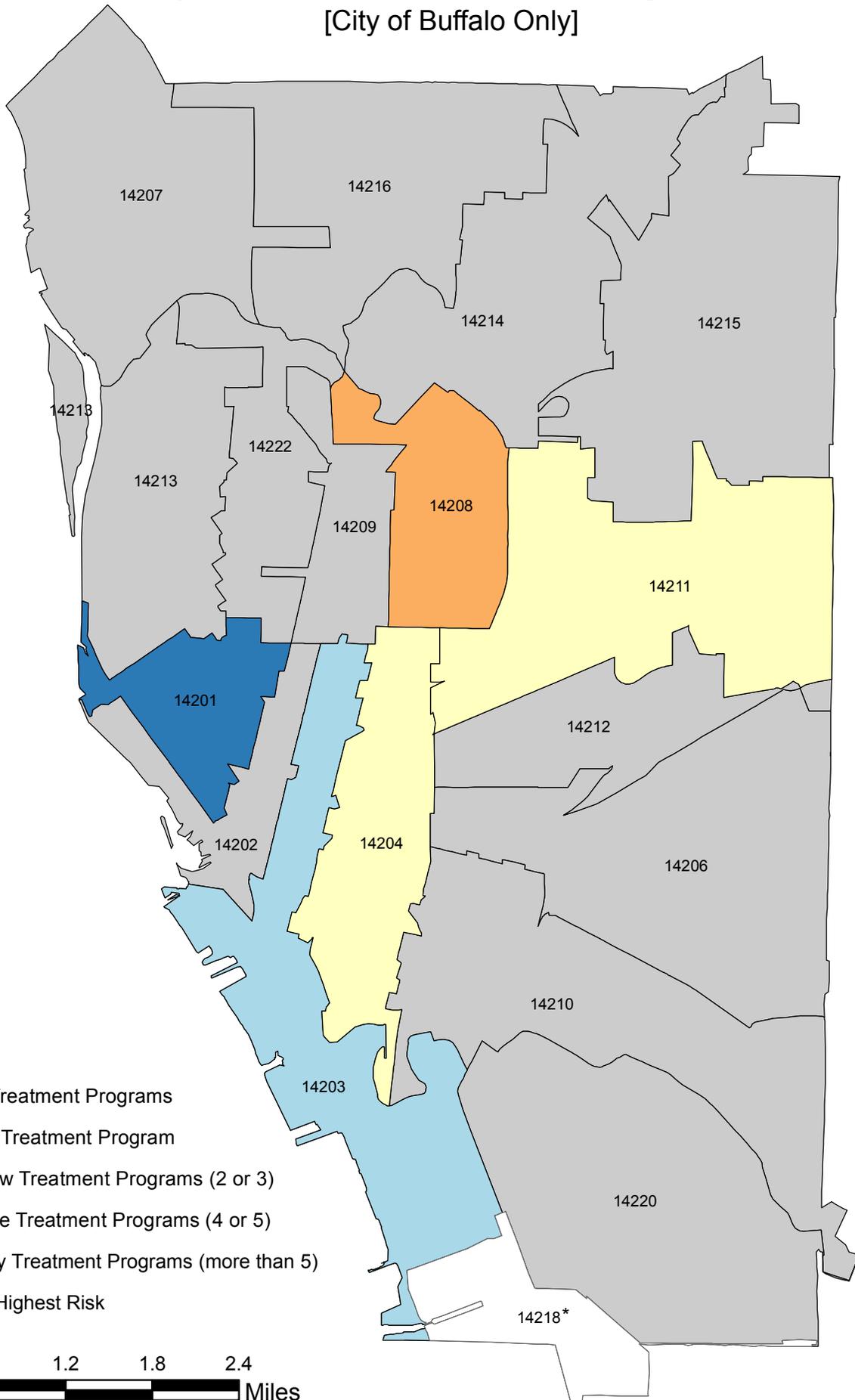
- No Treatment Programs
- One Treatment Program
- A Few Treatment Programs (2 or 3)
- Some Treatment Programs (4 or 5)
- Many Treatment Programs (more than 5)
- Not Highest Risk



* The majority of ZIP Code 14218 is outside the City of Buffalo.

ZIP Codes with Highest Level of Aggregated Risk by Number of Support Programs

[City of Buffalo Only]



Legend

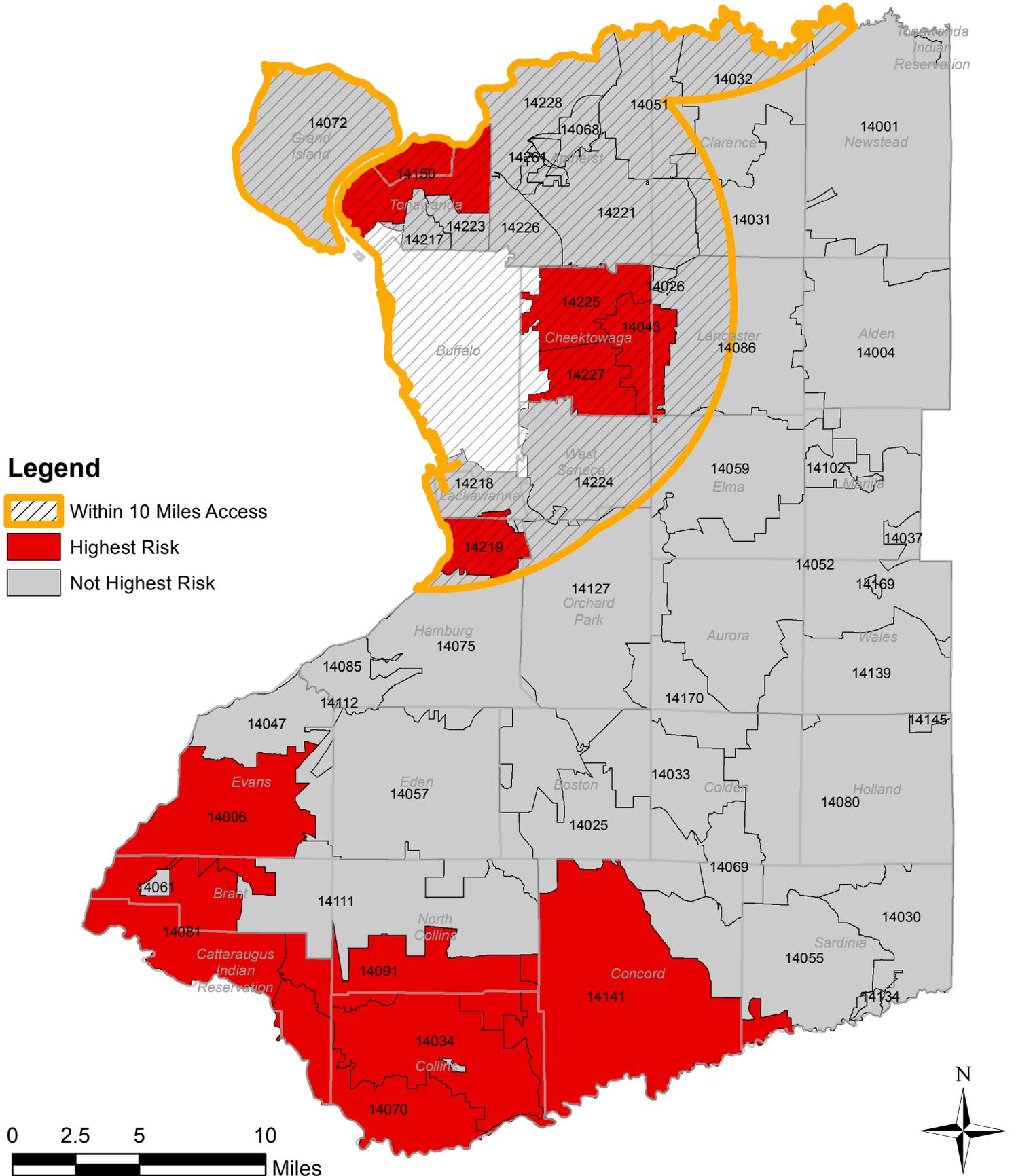
- No Treatment Programs
- One Treatment Program
- A Few Treatment Programs (2 or 3)
- Some Treatment Programs (4 or 5)
- Many Treatment Programs (more than 5)
- Not Highest Risk



* The majority of ZIP Code 14218 is outside the City of Buffalo.

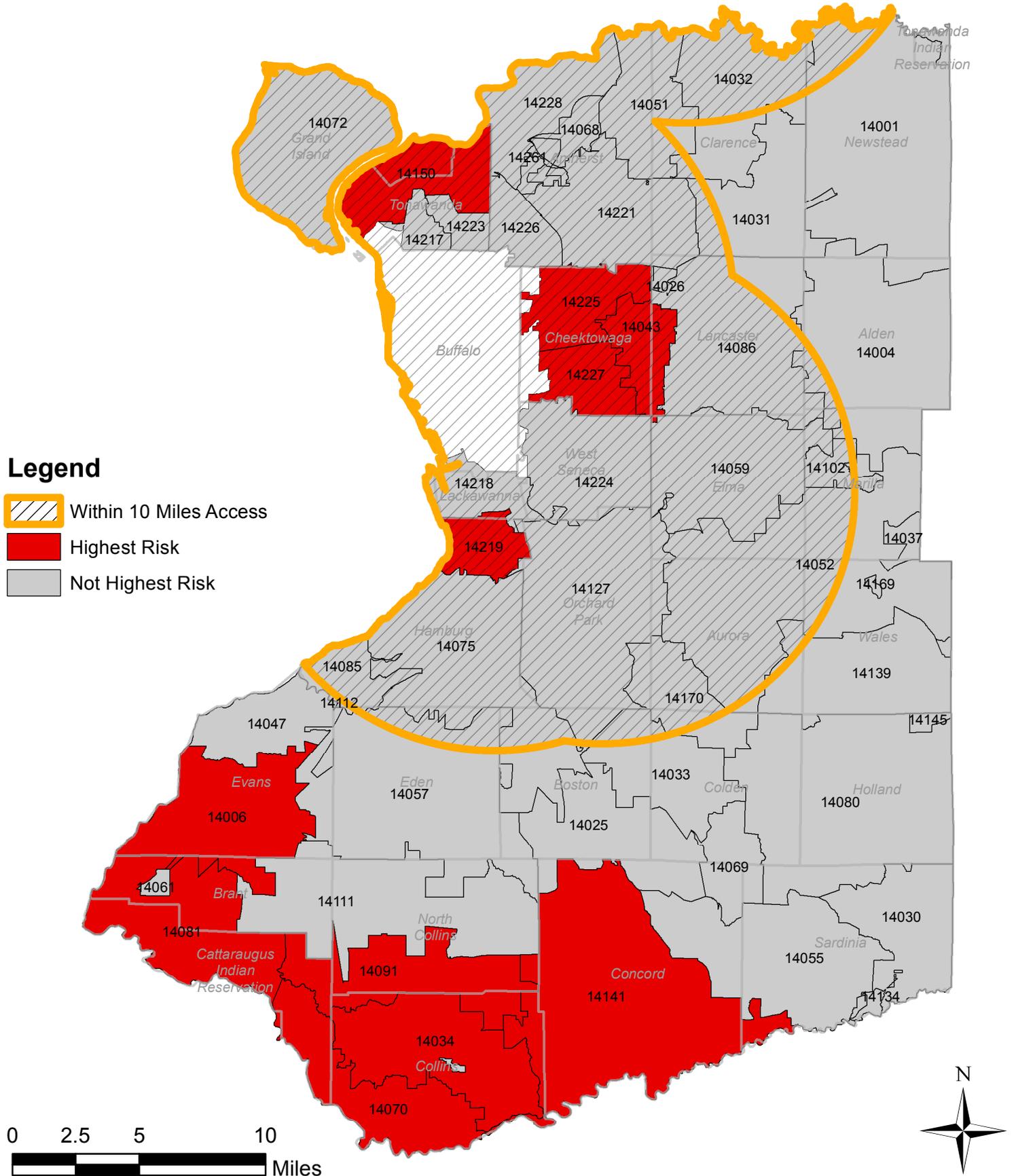
Accessibility to Emergency Programs (Within 10 Miles Access)

[Erie County Excluding City of Buffalo, with Municipal Boundaries]



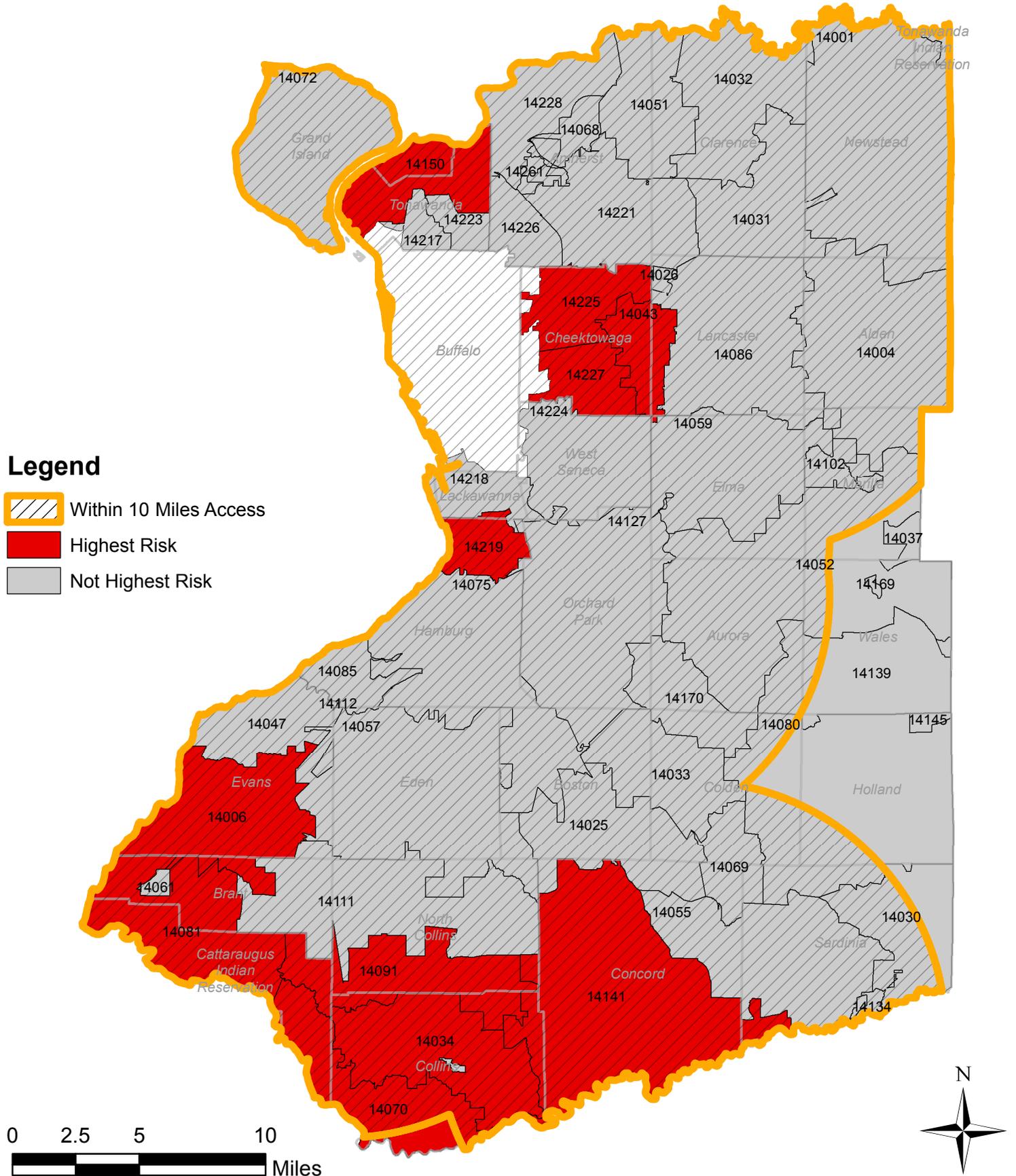
Accessibility to Inpatient Programs (Within 10 Miles Access)

[Erie County Excluding City of Buffalo, with Municipal Boundaries]



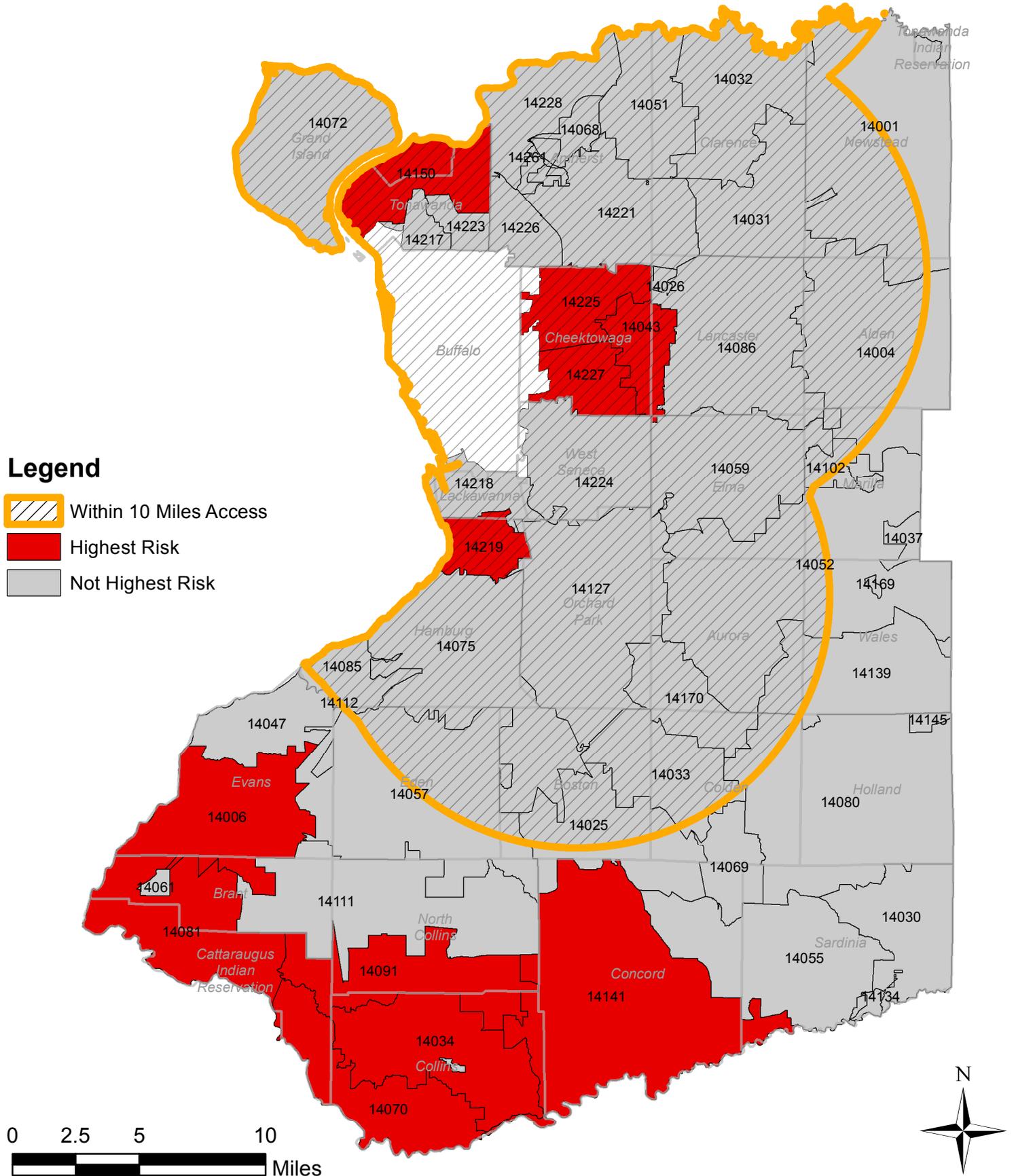
Accessibility to Outpatient Programs (Within 10 Miles Access)

[Erie County Excluding City of Buffalo, with Municipal Boundaries]



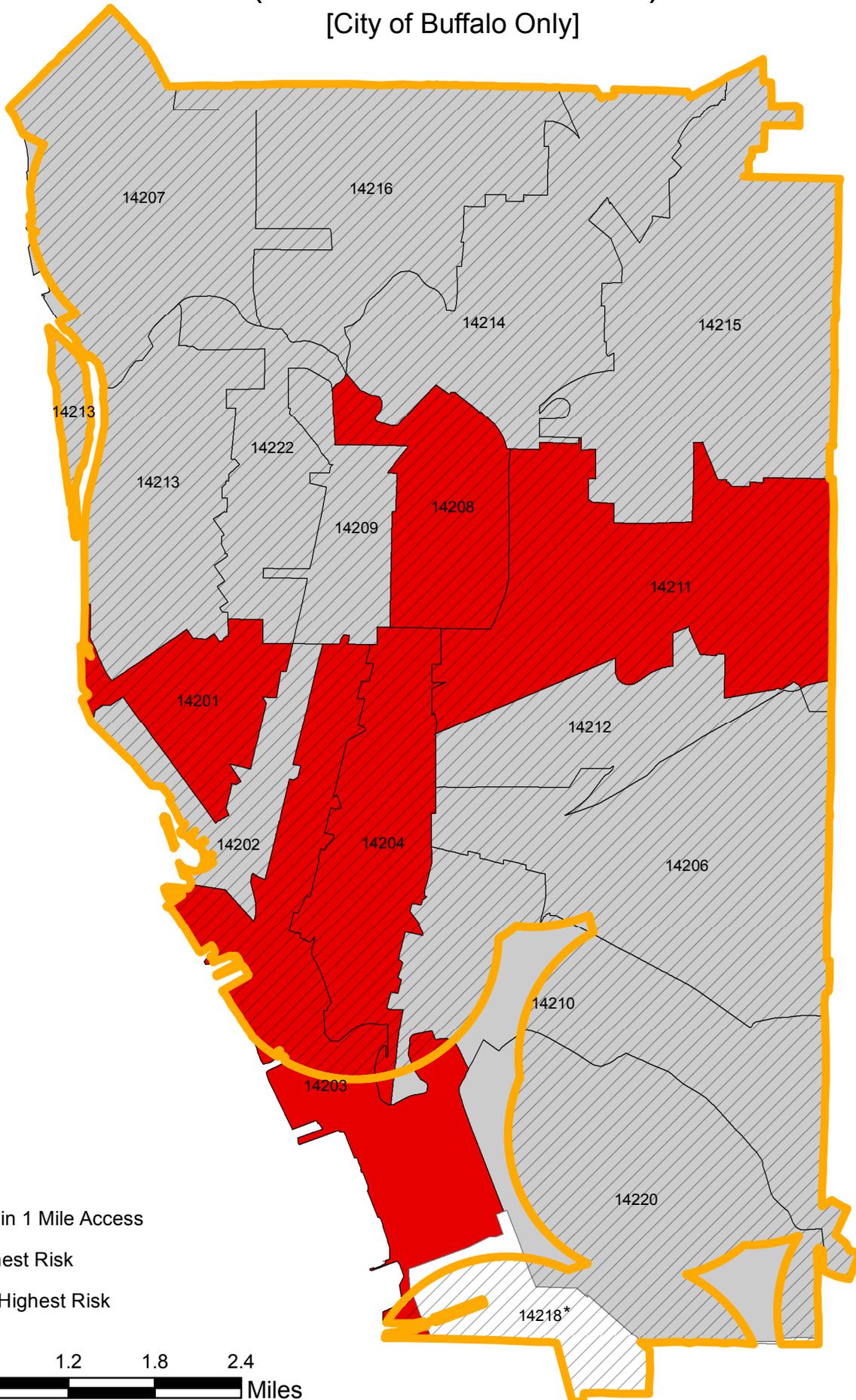
Accessibility to Support Programs (Within 10 Miles Access)

[Erie County Excluding City of Buffalo, with Municipal Boundaries]



Accessibility to Mental Health Programs (Within 1 Mile Access)

[City of Buffalo Only]



Legend

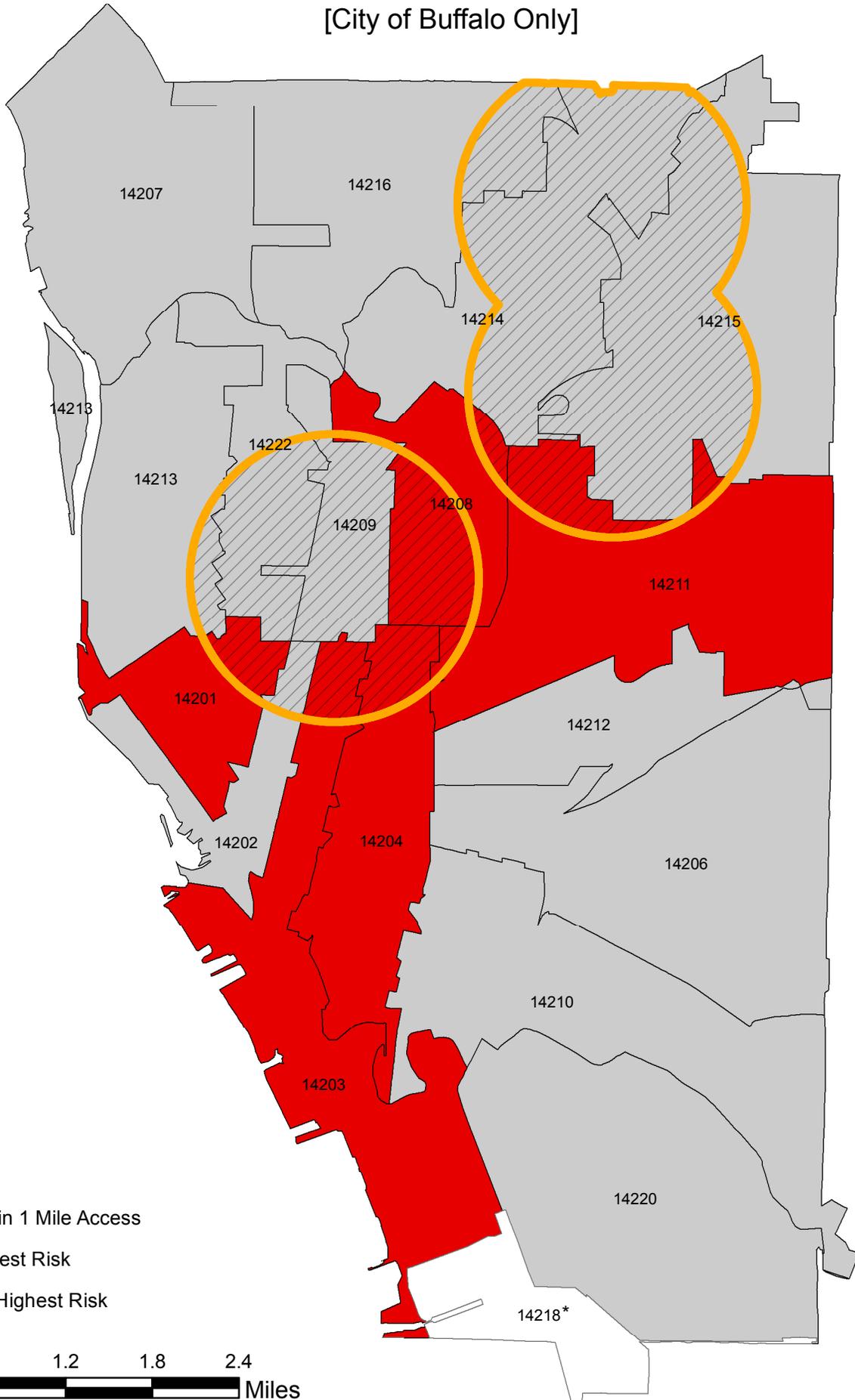
-  Within 1 Mile Access
-  Highest Risk
-  Not Highest Risk



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Accessibility to Emergency Programs (Within 1 Mile Access)

[City of Buffalo Only]



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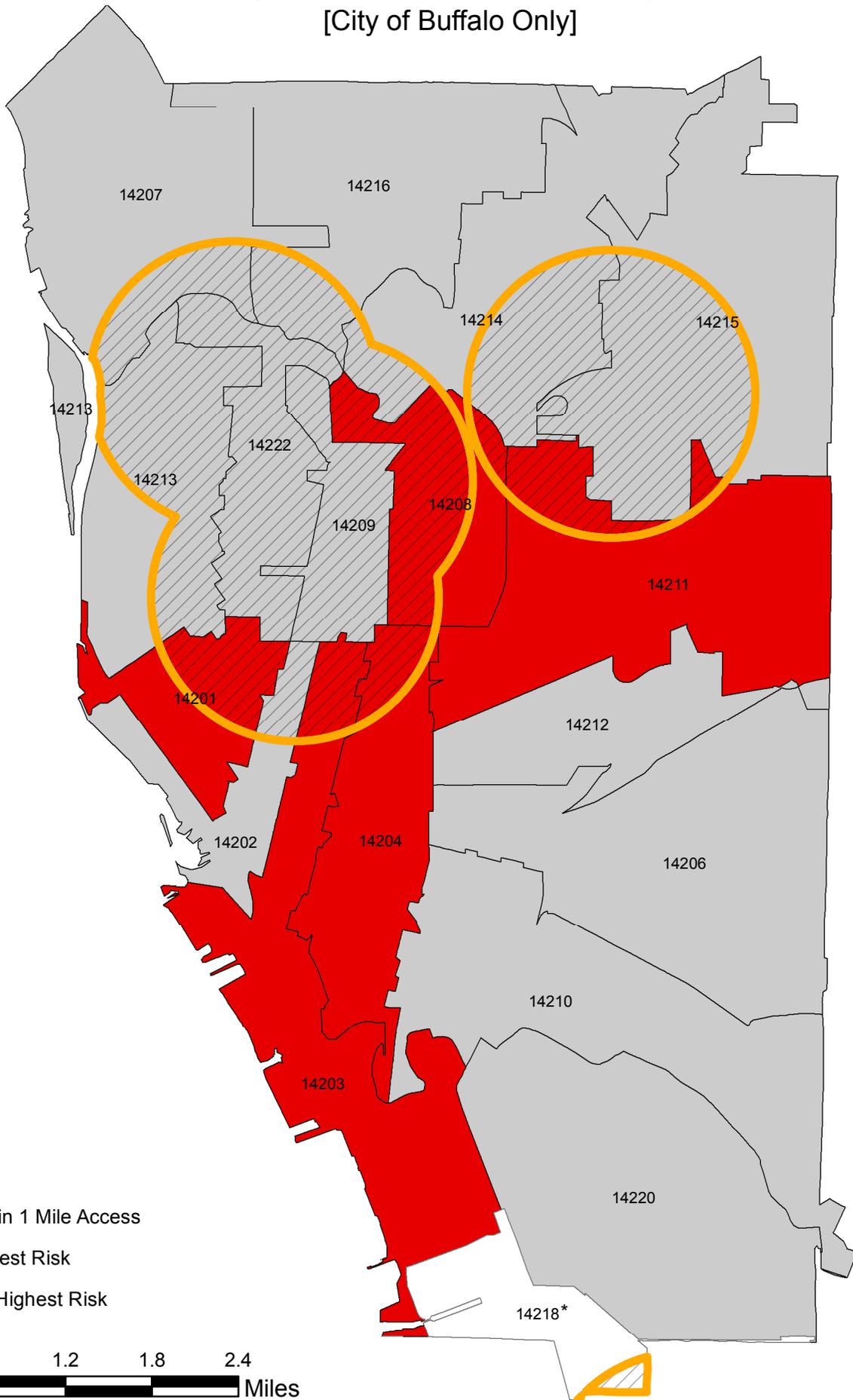
-  Within 1 Mile Access
-  Highest Risk
-  Not Highest Risk



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Accessibility to Inpatient Programs (Within 1 Mile Access)

[City of Buffalo Only]



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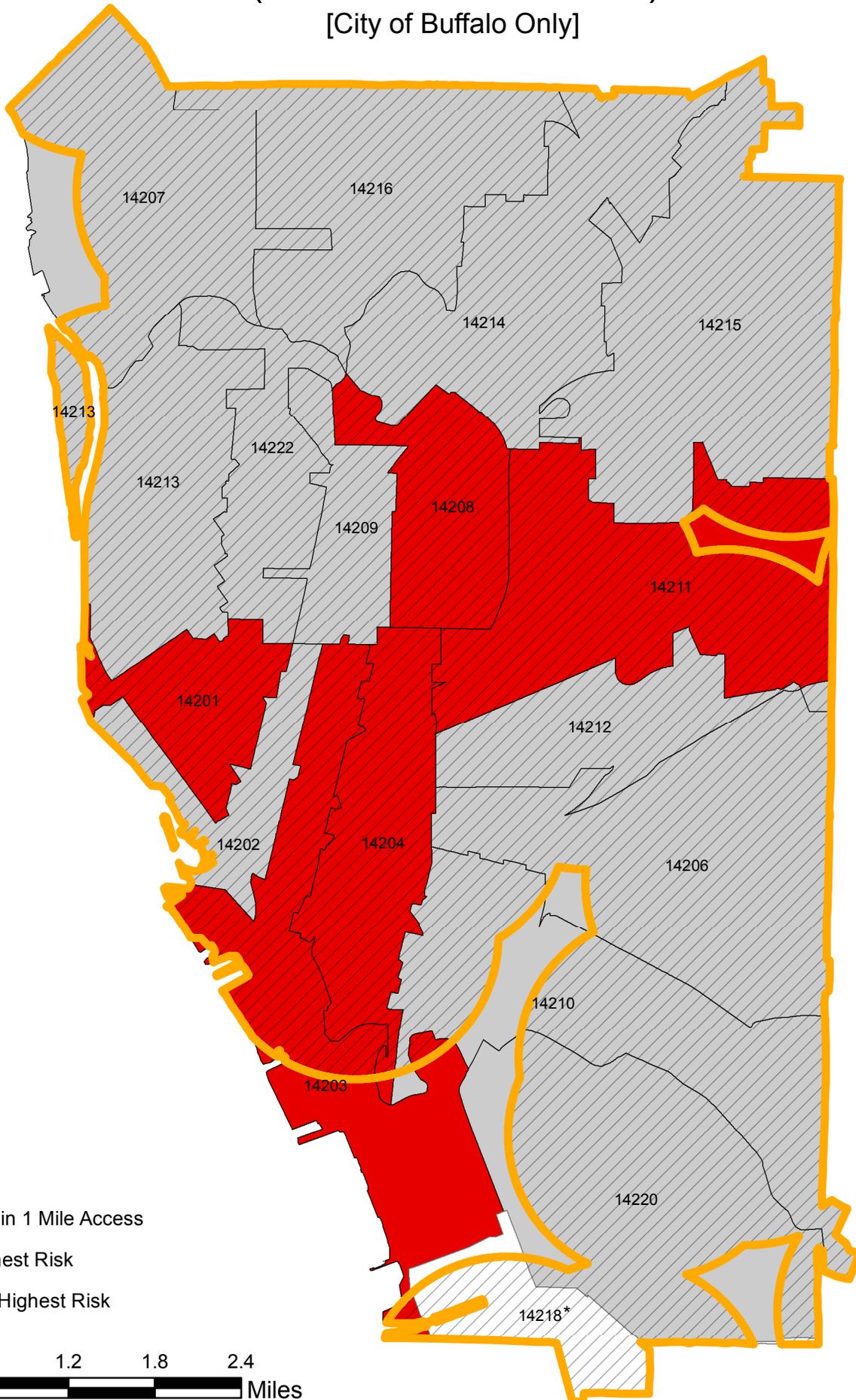
-  Within 1 Mile Access
-  Highest Risk
-  Not Highest Risk



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Accessibility to Outpatient Programs (Within 1 Mile Access)

[City of Buffalo Only]



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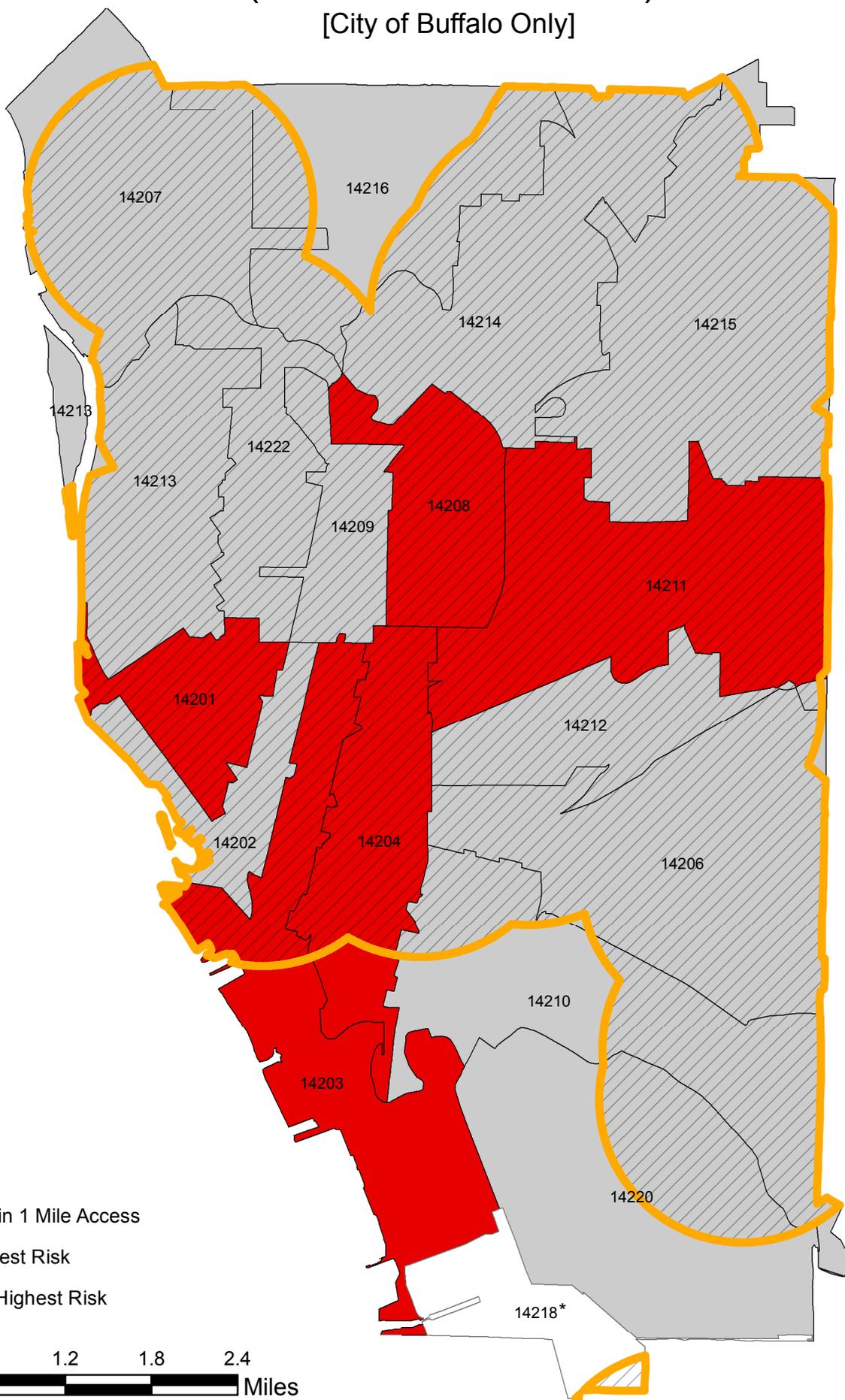
-  Within 1 Mile Access
-  Highest Risk
-  Not Highest Risk



* The majority of ZIP Code 14218 is outside the City of Buffalo.

Accessibility to Support Programs (Within 1 Mile Access)

[City of Buffalo Only]



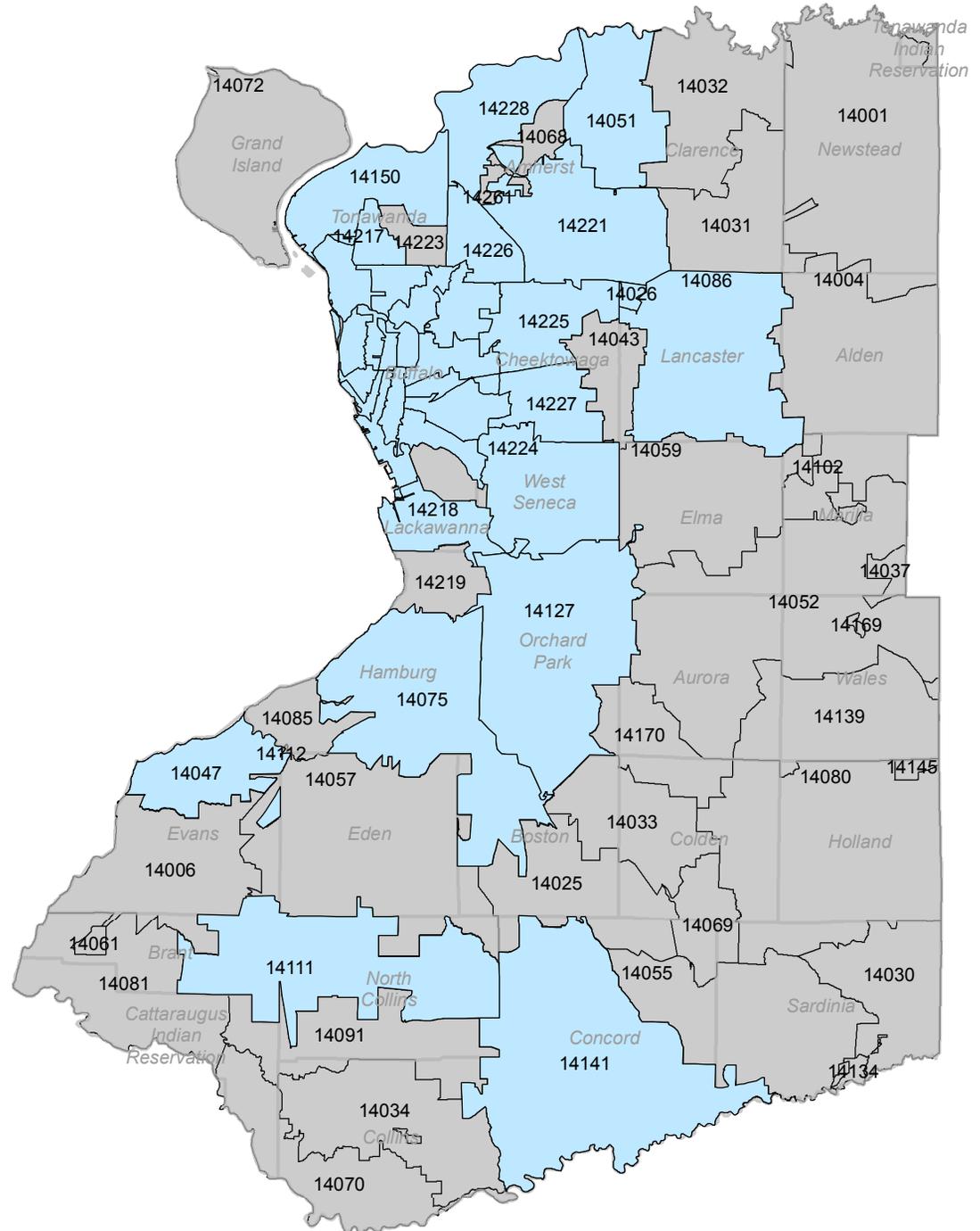
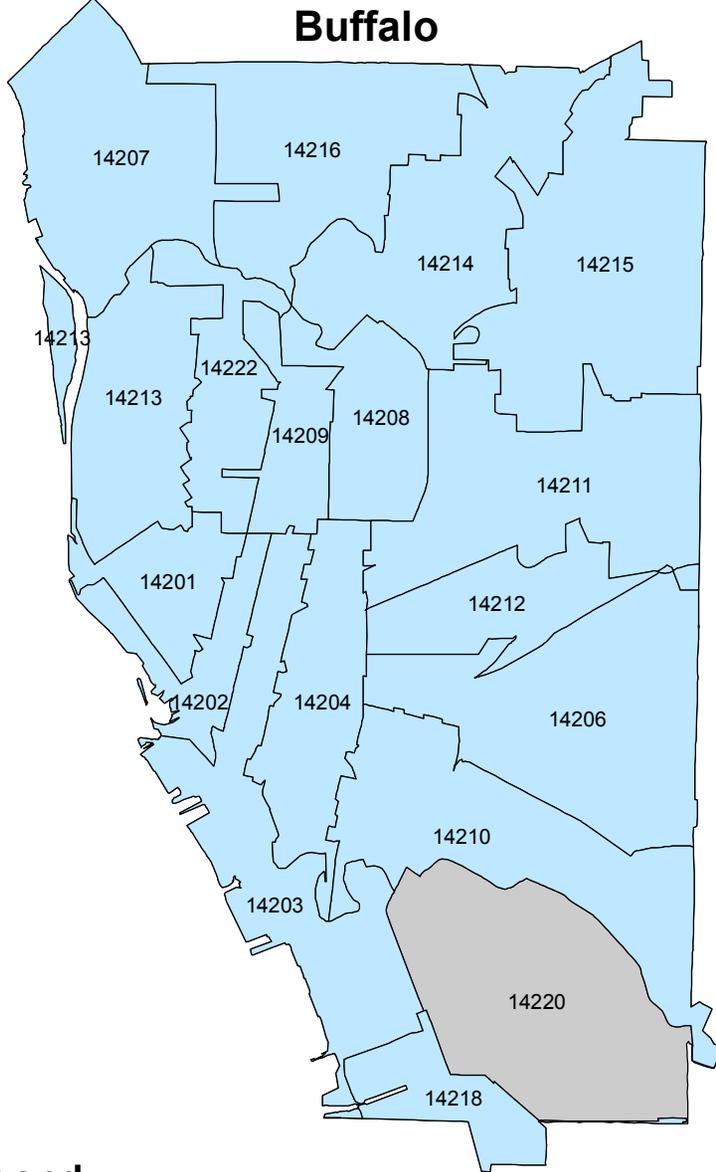
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-  Within 1 Mile Access
-  Highest Risk
-  Not Highest Risk



* The majority of ZIP Code 14218 is outside the City of Buffalo.

ZIP Codes with Mental Health Programs for Adults



Legend

-  Adult Programs Present
-  Adult Programs Not Present