

Erie County Prevention Gaps and Barriers Analysis

[2014]

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Gaps and Barriers Analysis Overview

The Gaps and Barriers Analysis for Prevention Services in Erie County compares the provision of prevention services within each zip code area to selected risk indicators. Gaps are identified where there is a mismatch between the prevention services and risk level (e.g. no/low prevention provision & high risk). First, the distribution of prevention services was evaluated by compiling information about prevention programs and their locations through the Erie County Prevention Services Information Center, an online repository for this information. Providers identified the approximate target population, type of program, and zip code location(s) for their programs. These data were then tallied by zip code, with individual programs being counted once per zip code of service provision in order to avoid over counting. For example, a school-based program might be offered in three elementary schools in zip code 14006 in the Lakeshore Central School District, but this zip code received only one tally for these programs in order to avoid redundancy. While some programs do not have an explicit locational component or are home-based, most prevention services are offered at specific location and can thus be tabulated for this analysis.

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 prevention 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 prevention programs compares the highest level of aggregated risk for ZIP codes in Erie County with the number of recurring prevention programs. Risk Indicators Database (RIDB) measures 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 and ZIP codes in the City of Buffalo Only.

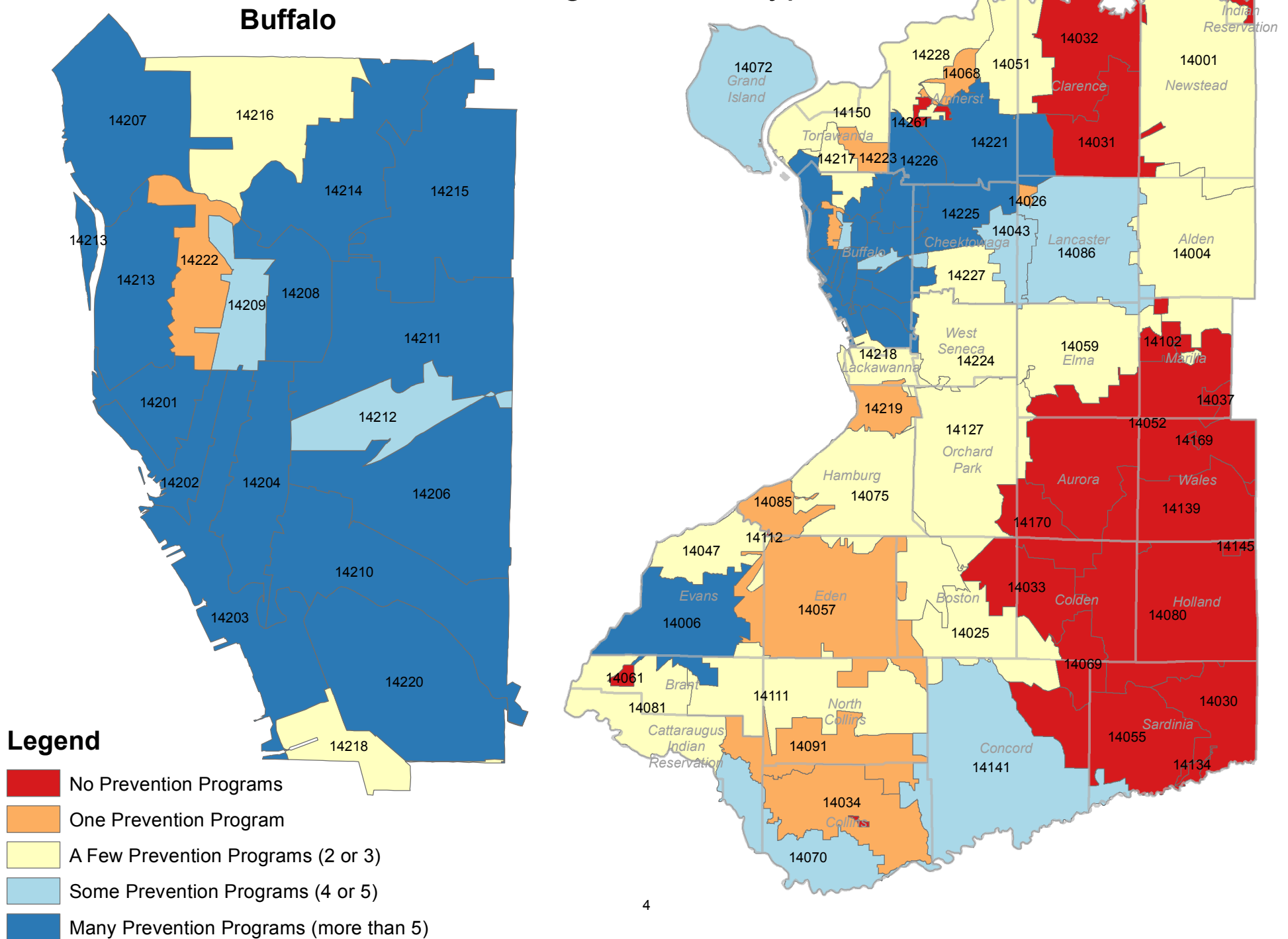
Gaps and Barriers Analysis Results

- Descriptive Maps of Prevention Program Locations
 - Most ZIP codes in Erie County have some form of location-specific prevention activity, with notable exceptions in the more rural eastern and southeastern portions of the county and the Town of Clarence.
 - Location-specific environmental programs cover only portions of the county outside of the City of Buffalo. Within Buffalo, programs are few and are located on the east and west sides of the city.
 - Other environmental programs are not location specific and cover the county as a whole. These include mass media (e.g. TV and radio) programs and are not represented on the maps.
 - School-based programs are concentrated in the City of Buffalo and in suburban areas to the north and east of the city; notable lack of programs in the northeast, southern and southeast parts of the county.
 - Recurring programs exhibit a similar pattern to School-based programs
- Maps of Highest Risk Locations with Prevention Programs
 - Erie County Excluding City of Buffalo
 - ZIP codes with highest aggregated risk have few recurring prevention programs. More urbanized zip codes north of the City of Buffalo have between 2 and 3

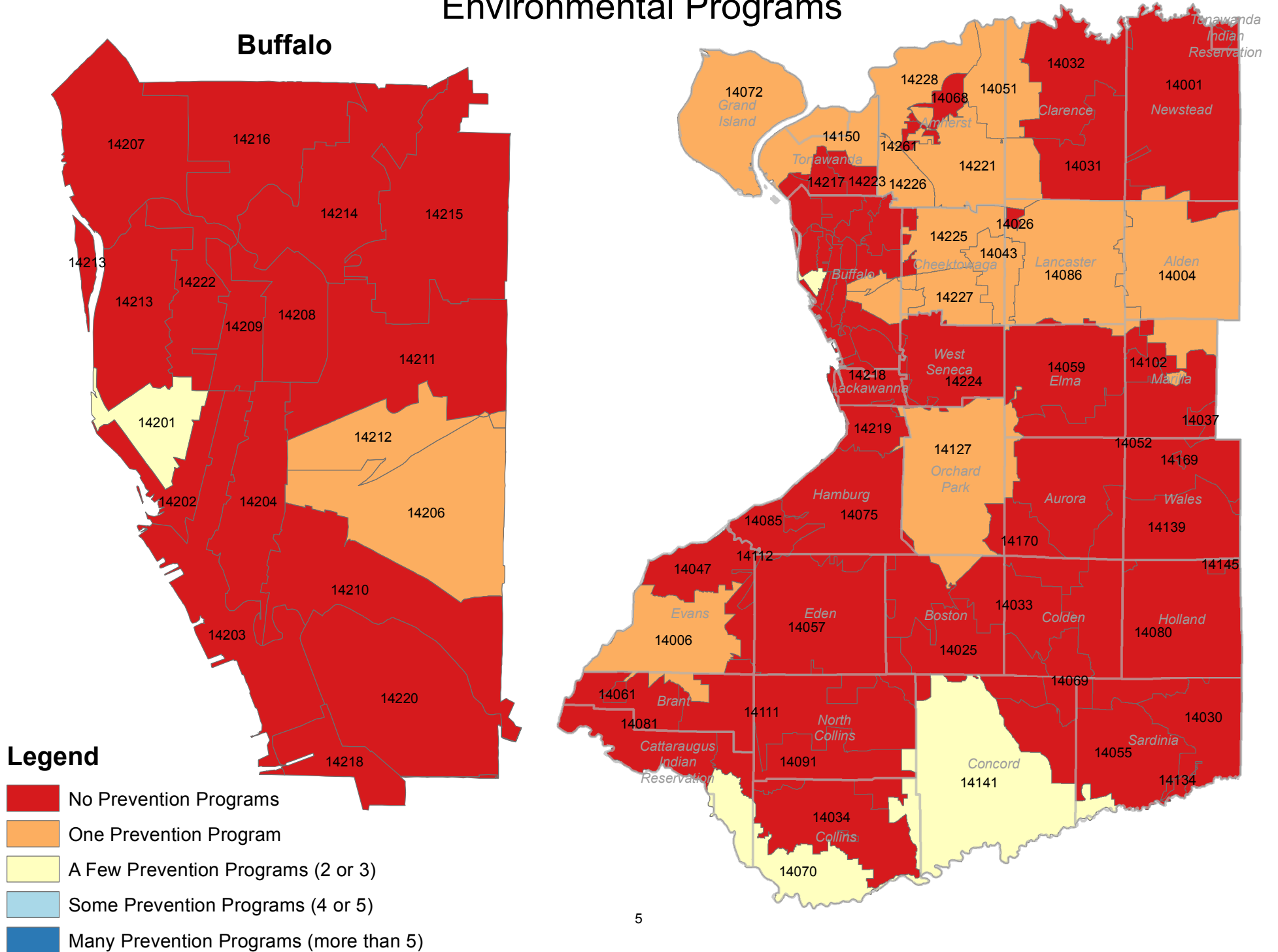
programs, while high-risk areas in the southern end of the County have between 1 and 3 programs. ZIP code 14219, which comprises the most northern portion of the Town of Hamburg and which is at the highest risk, has no recurring prevention programs.

- City of Buffalo Only
 - Locations of highest aggregated risk have 9 or more recurring prevention programs.
 - Some locations in lower aggregated risk levels receive high levels of recurring prevention program service.

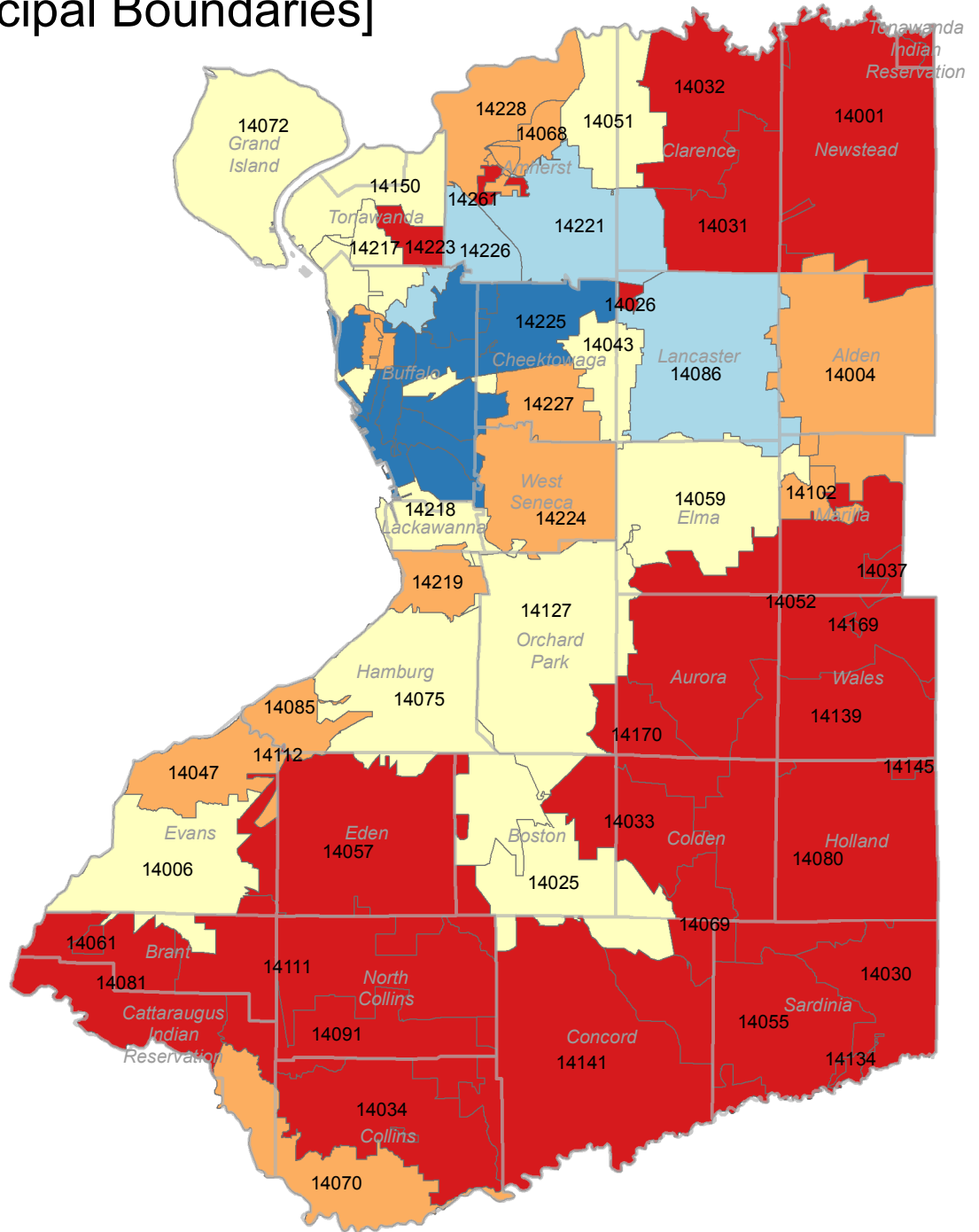
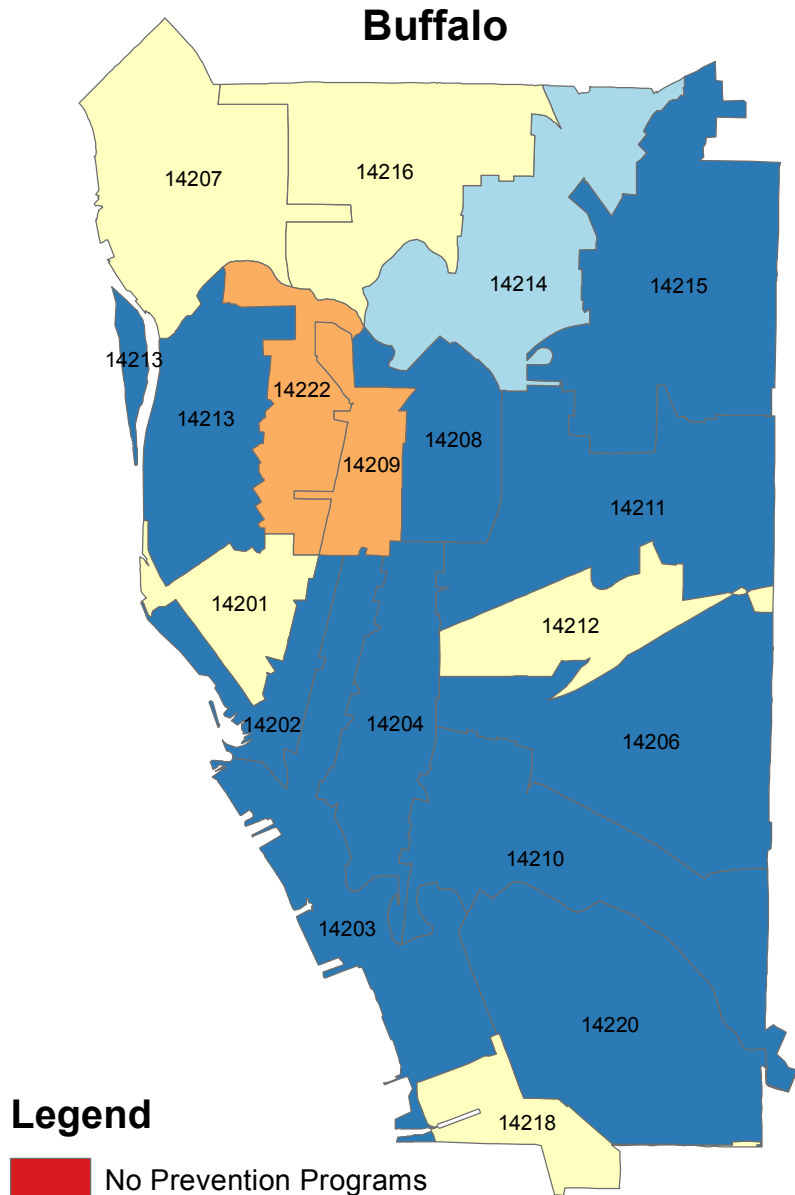
Erie County Prevention Programs: All Programs and Types



Erie County Prevention Programs: Environmental Programs



Erie County Prevention Programs: School-based Programs [Municipal Boundaries]

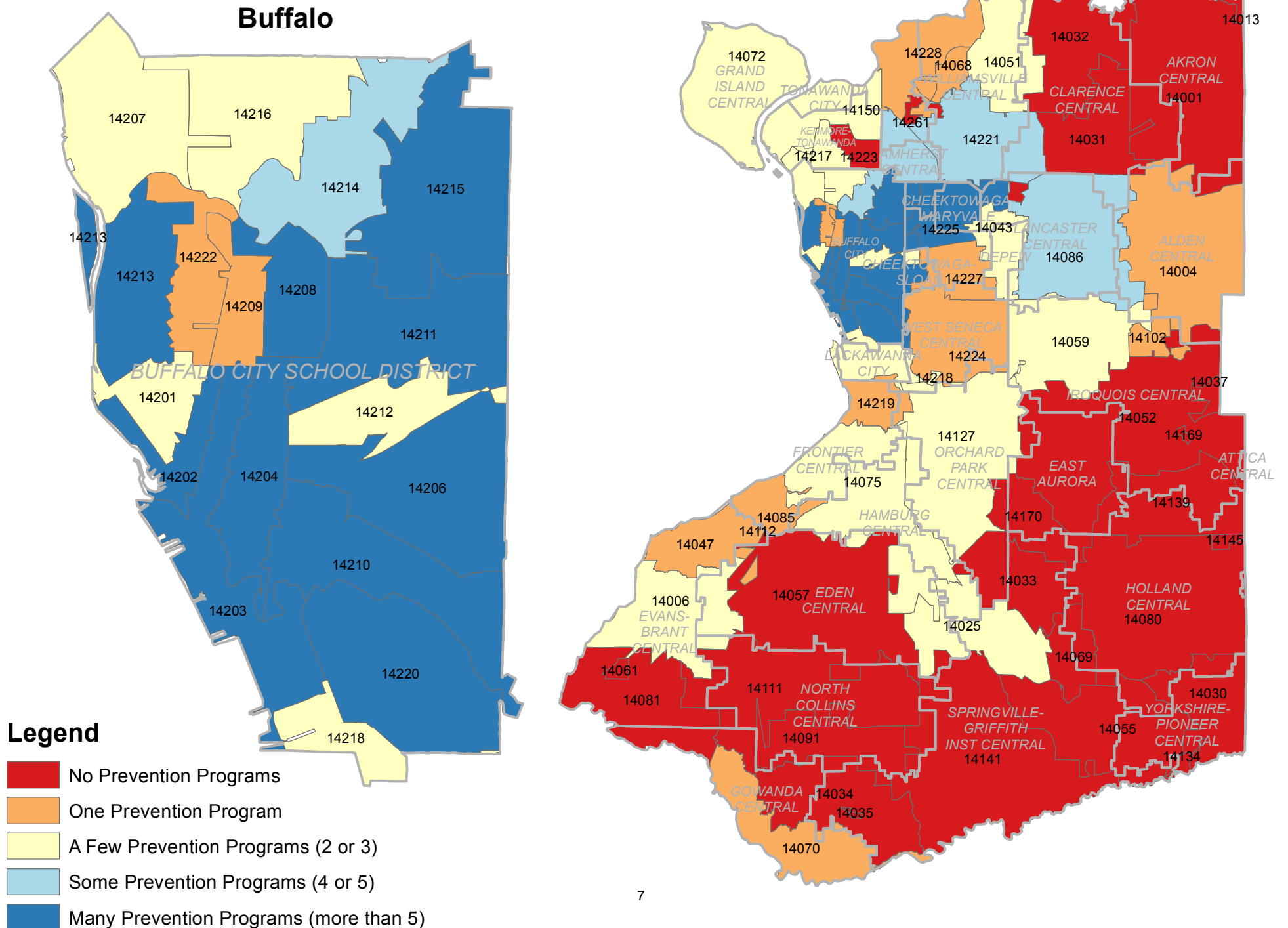


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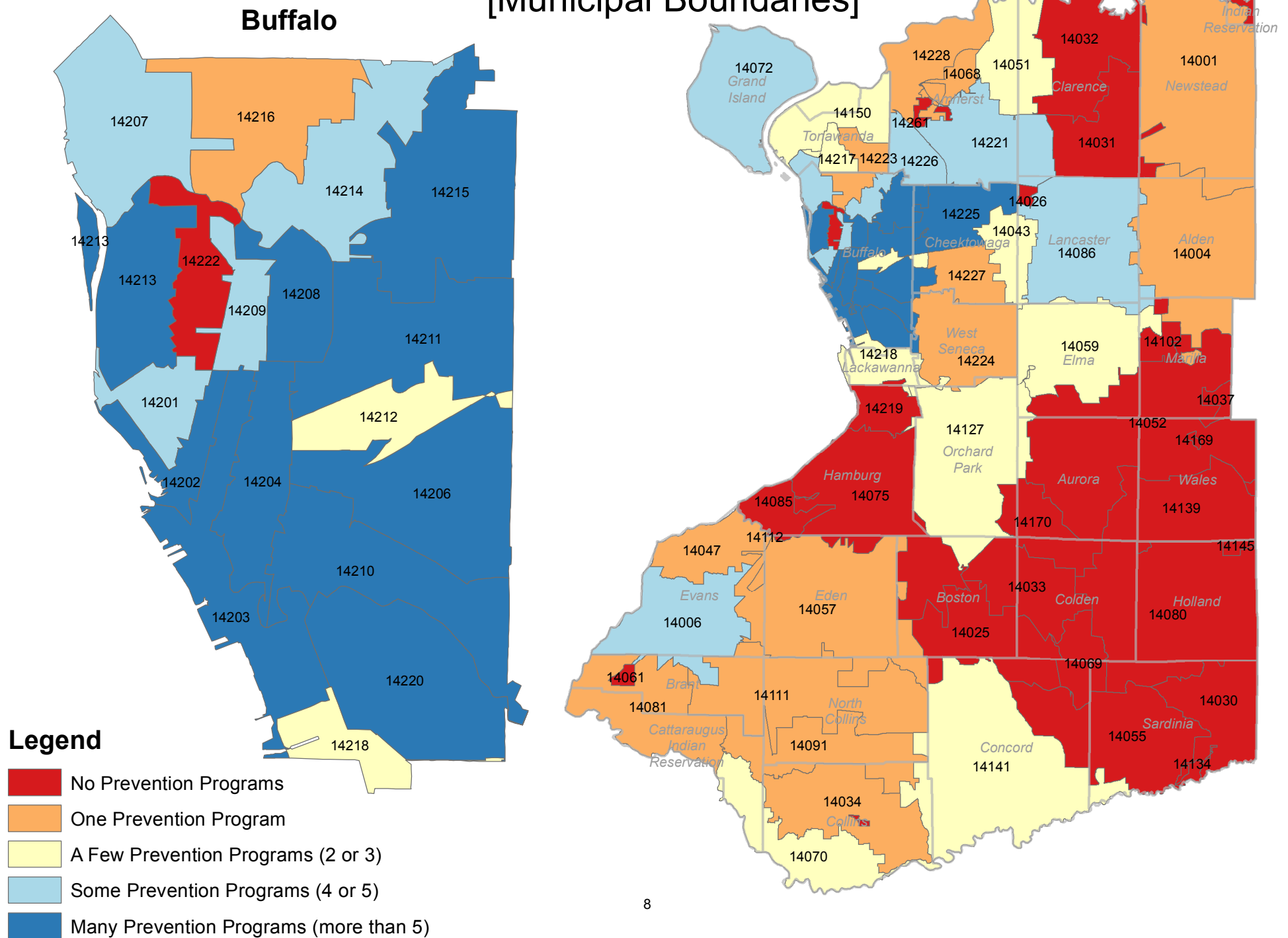
- No Prevention Programs
- One Prevention Program
- A Few Prevention Programs (2 or 3)
- Some Prevention Programs (4 or 5)
- Many Prevention Programs (more than 5)

Erie County Prevention Programs: School-based Programs

[School District Boundaries]

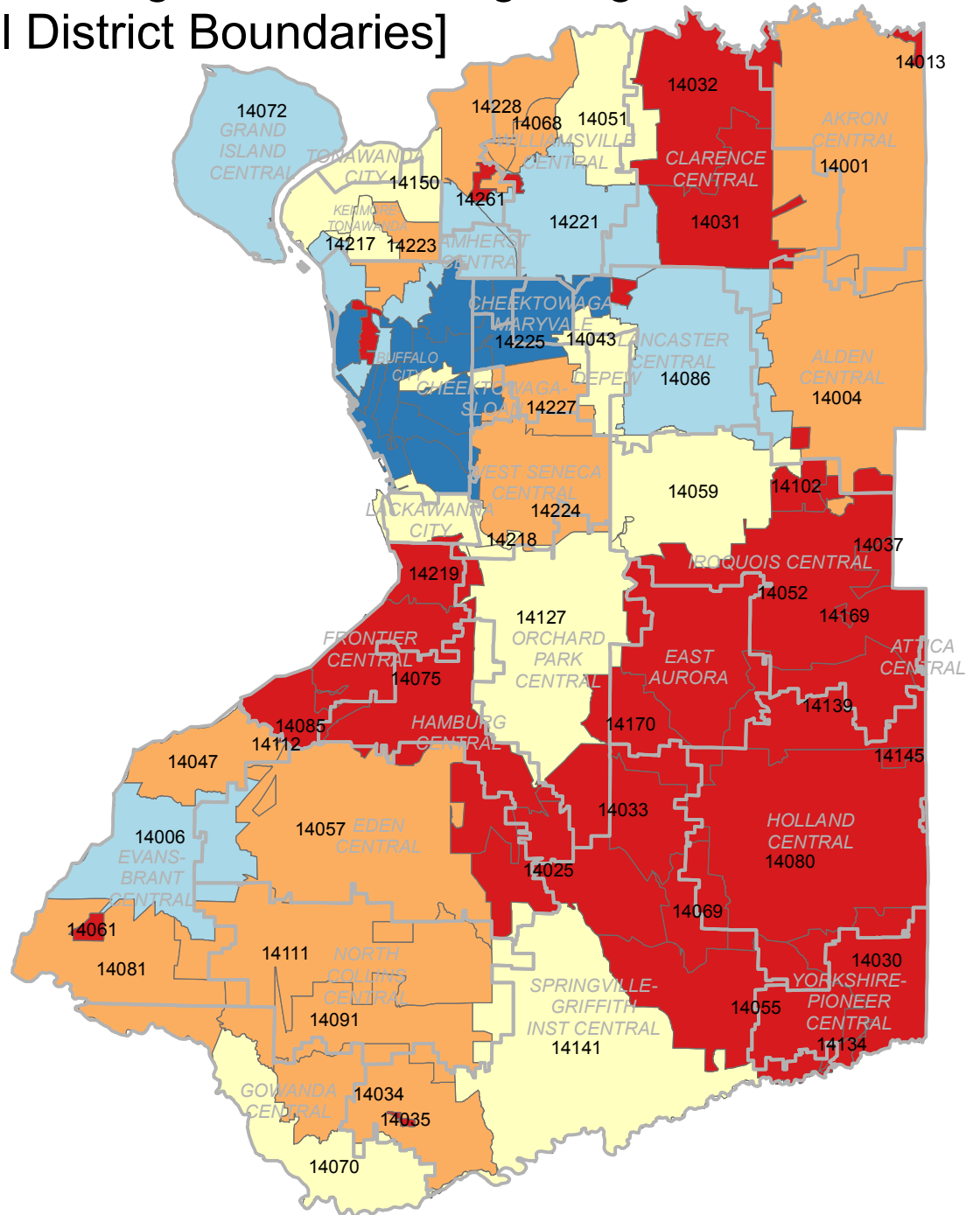
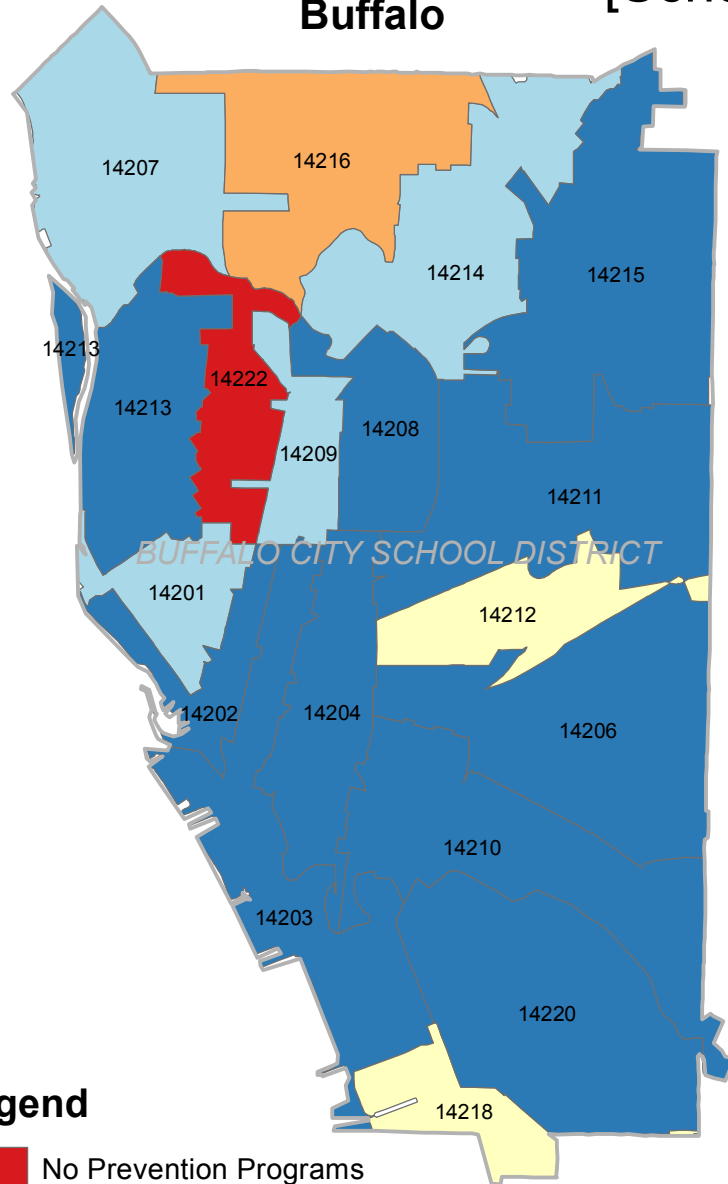


Erie County Prevention Programs: Recurring Programs [Municipal Boundaries]



Erie County Prevention Programs: Recurring Programs [School District Boundaries]

Buffalo

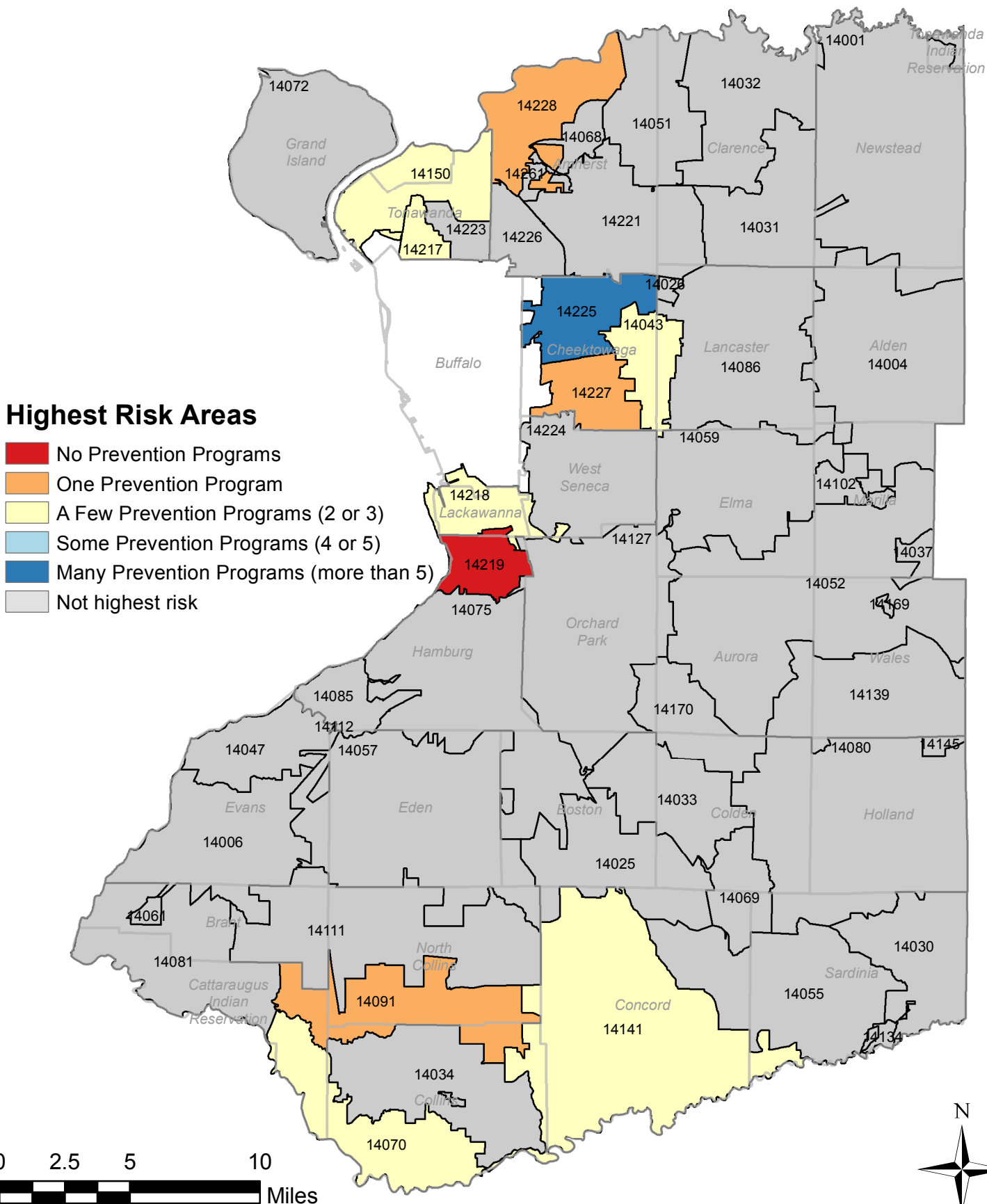


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- No Prevention Programs
- One Prevention Program
- A Few Prevention Programs (2 or 3)
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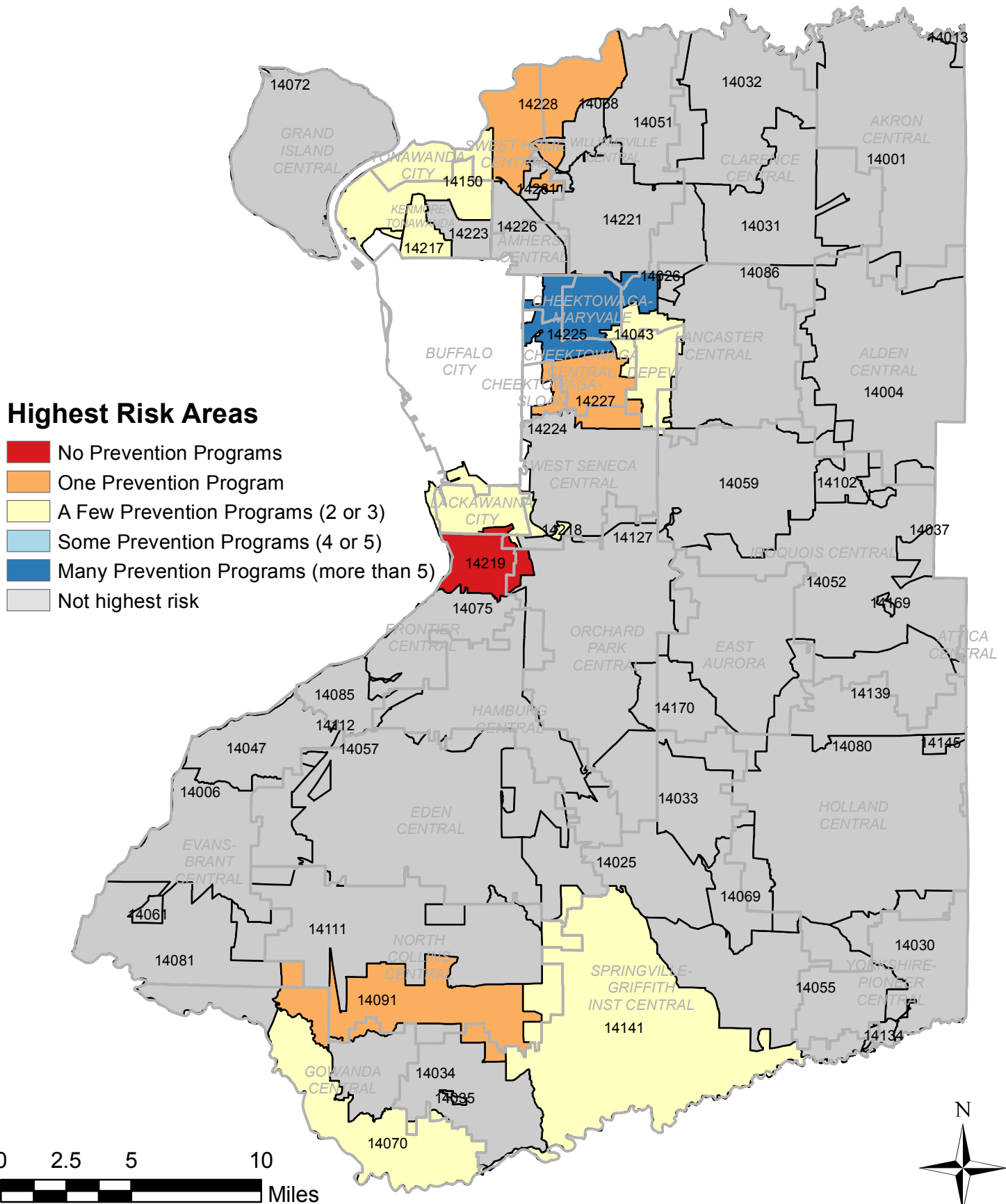
ZIP Codes with Highest Level of Aggregated Risk by Number of Recurring Programs

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



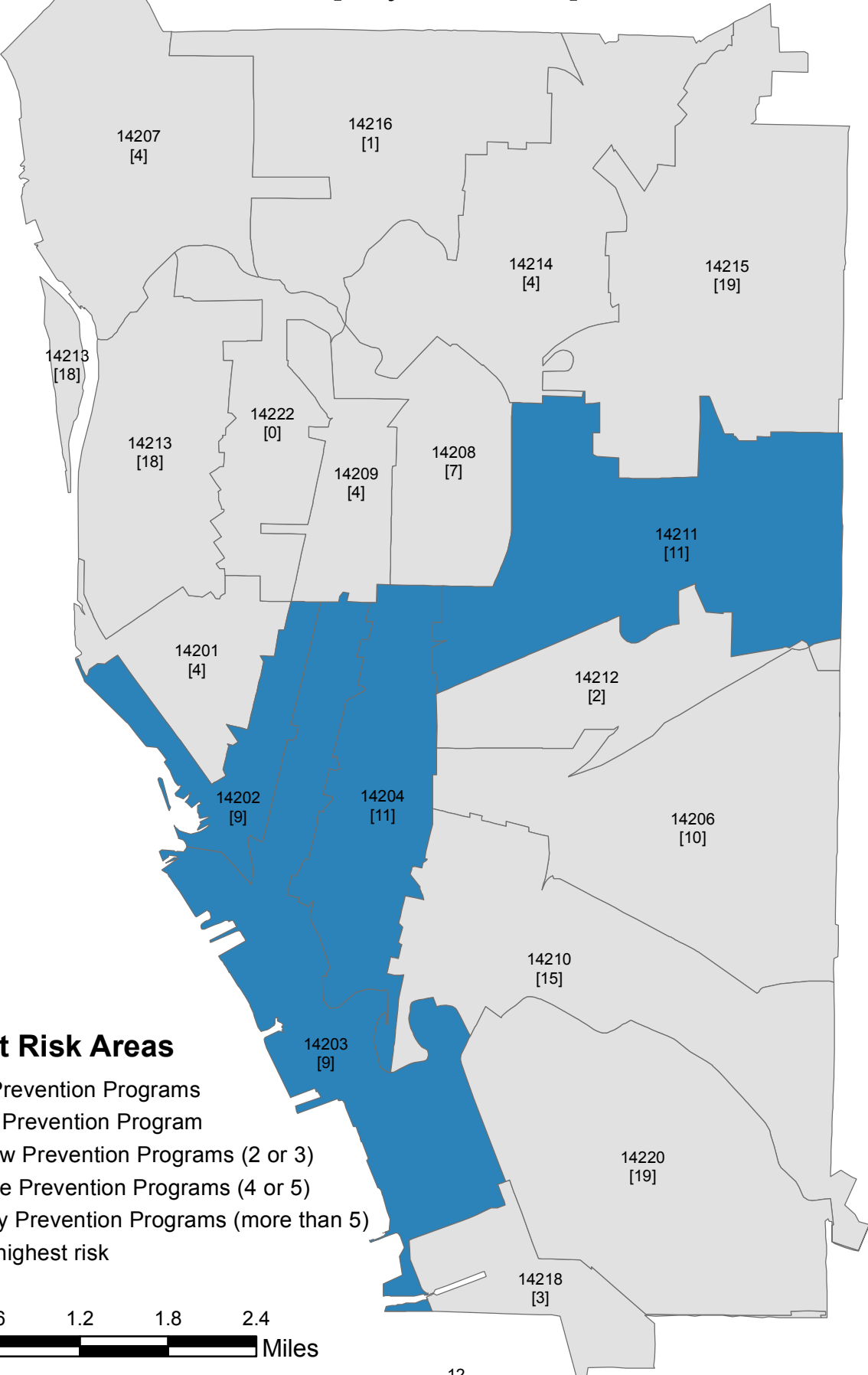
ZIP Codes with Highest Level of Aggregated Risk by Number of Recurring Programs

[Erie County Excluding City of Buffalo, with School District Boundaries]



Zip Codes with Highest Level of Aggregate Risk by Number of Recurring Programs

[City of Buffalo]



Highest Risk Areas

- No Prevention Programs
- One Prevention Program
- A Few Prevention Programs (2 or 3)
- Some Prevention Programs (4 or 5)
- Many Prevention Programs (more than 5)
- Not highest risk

