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Drug Overdose Death High Burden Area Analysis

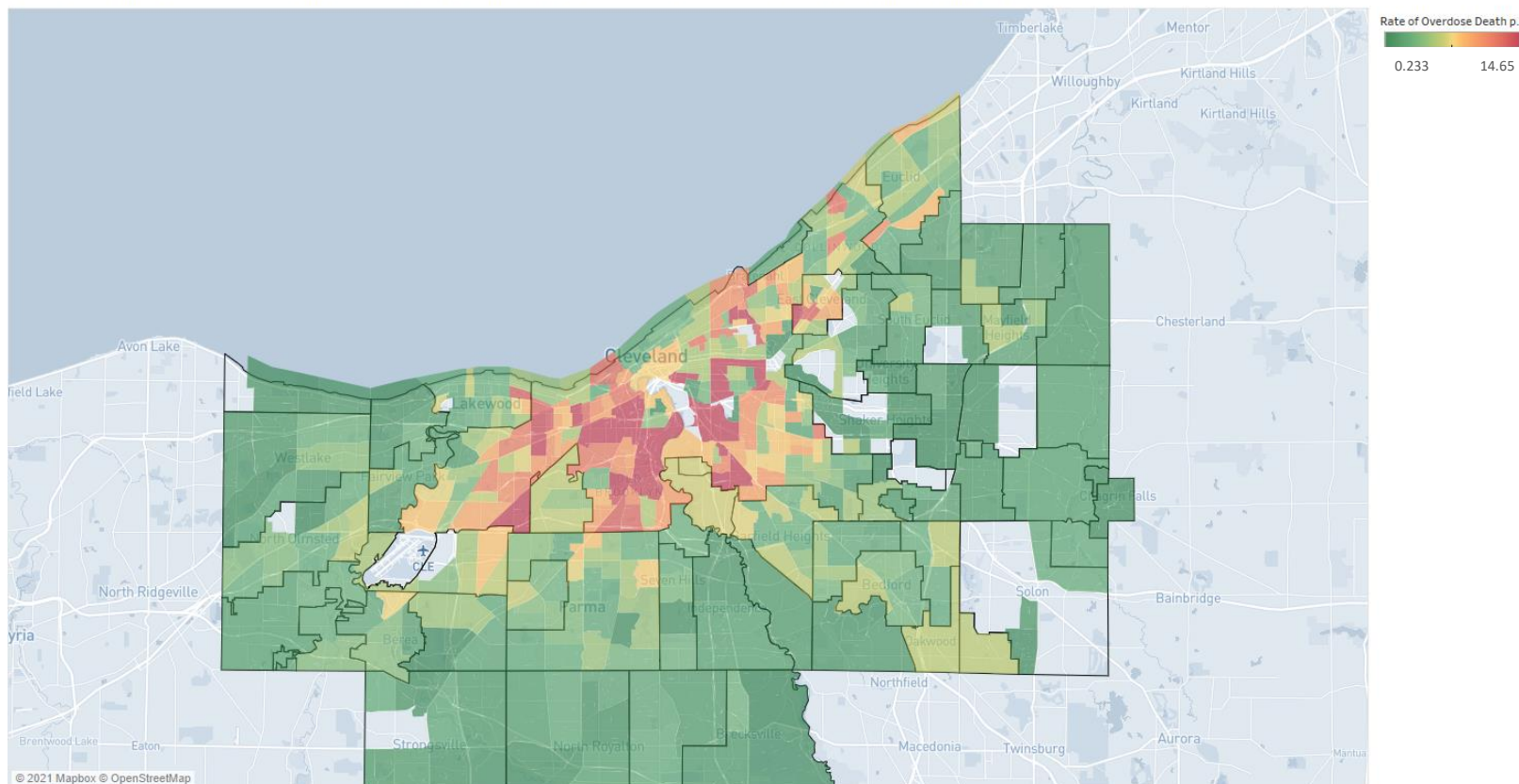
This surveillance report highlights high burden areas of fatal drug overdoses occurring in Cuyahoga County, Ohio and the City of Cleveland. The Cuyahoga County Board of Health Overdose Data to Action Surveillance Team conducted this analysis at the request of Circle Health Services (CHS), a prevention partner, to support identification of priority locations for their Syringe Exchange Mobile Unit.

Decedent data from the Cuyahoga County Medical Examiner's Office were used for this analysis. Specifically, records of drug overdose deaths that occurred in Cuyahoga County by decedent address from 2014-2020. These data were mapped by census tract to assess geographic areas with the highest rates of overdose deaths per 1000 population to inform harm reduction and linkage to treatment efforts.

Figure 1 demonstrates that majority of high burden areas of drug-related overdose deaths in Cuyahoga County, Ohio occur in the City of Cleveland.

Figure 1: Drug-related overdose deaths by decedent residence address reported at time of death in Cuyahoga County, OH: 2014-2020.

This map displays drug-related overdose deaths by the decedent residential address reported at the time of death. The data used is ruled cases provided by the Cuyahoga County Medical Examiner's Office for deaths from 2014-2020. The rate of death is a crude rate per 1000 persons calculated using total overdose deaths (residential address) within a census tract compared with the total estimated population of the tract utilizing the 2015-2019 five-year ACS estimates, which is the most current dataset available from ACS. This rate is not annual, it is calculated based on a seven-year total number of deaths in each census tracts.



Note: Rate of overdose death per 1,000. Some census tracts are excluded due to insufficient data

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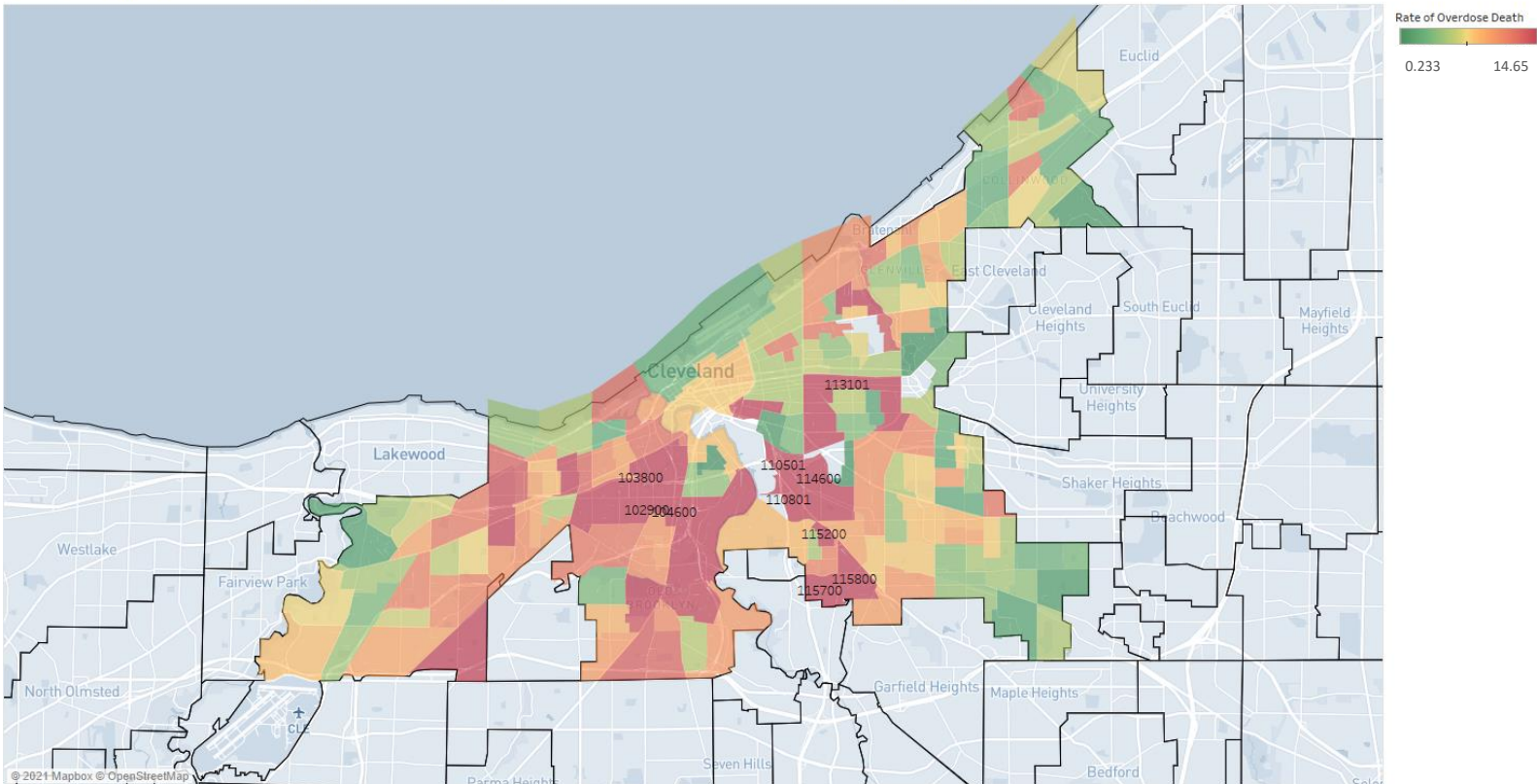
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Figure 2 focuses on Cleveland only.

The East side neighborhoods with highest rates of drug-related overdose deaths by decedent residence address between 2014-2020: North Broadway, Hough and Broadway-Slavic Village (110801, 110501, 113101, 114600, 115700, 115800, 115200). The West side neighborhoods with highest rates of drug-related overdose deaths by decedent residence address between 2014-2020 were: Clark Fulton and Ohio City (104600, 102900, 103800).

Figure 2: Drug-related overdose deaths by decedent residence address reported at time of death in Cleveland, OH: 2014-2020

This map displays drug-related overdose deaths by the decedent residential address reported at the time of death. The data used is ruled cases provided by the Cuyahoga County Medical Examiner's Office for deaths from 2014-2020. The rate of death is a crude rate per 1000 persons calculated using total overdose deaths (residential address) within a census tract compared with the total estimated population of the tract utilizing the 2015-2019 five-year ACS estimates, which is the most current dataset available from ACS. This rate is not annual, it is calculated based on a seven-year total number of deaths in each census tracts.



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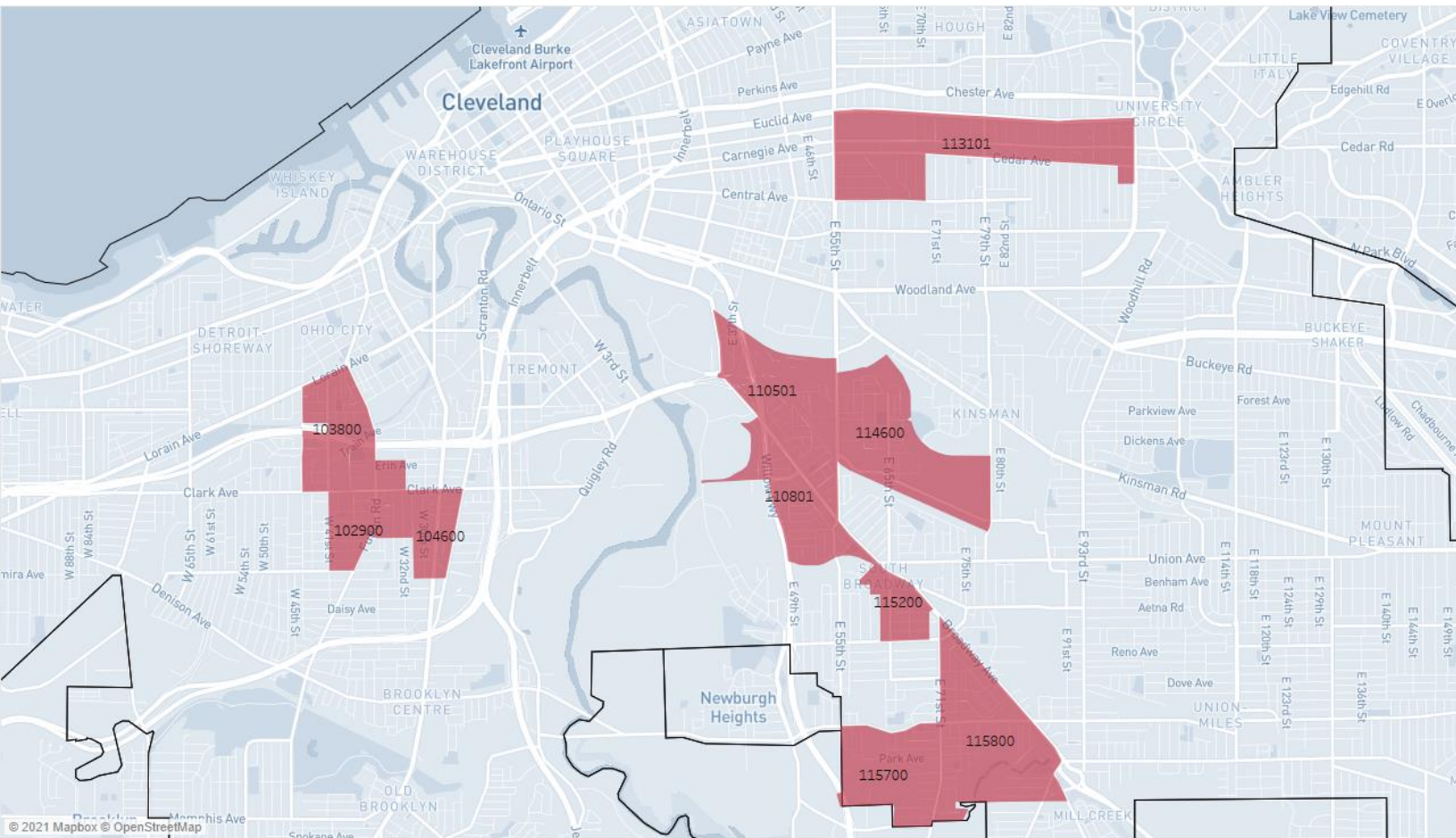
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The top ten census tracts in the City of Cleveland with the highest rate of drug-related overdose deaths by decedent residence address were:

- 104600 – Clark Fulton area (MetroHealth, W.25th and W.30th)
- 110801 – North Broadway and Industrial Valley area (E.48-52nd streets)
- 110501 – North Broadway area and Central areas
- 113101 – Hough area (Euclid, Cedar and Carnegie and E.68-69th streets)
- 114600 – North Broadway area (67th, 65th and 57th streets)
- 115700 – Broadway-Slavic Village (Park Ave and 64th, 66th and Harvard)
- 115800 – Broadway-Slavic Village (E.71, 72nd, 74th 76th and 79th)
- 102900 – Clark Fulton (W.32nd and 38th streets, Newark Ave, Fulton Ave)
- 103800 – Ohio City (W.40th and 44th streets; Seymour Ave and Walton Ave)
- 115200 – Broadway-Slavic Village

Figure 3: The top 10 census tracts with the highest rate of drug-related overdose death by decedent residence reported at time of death in Cleveland, OH: 2014-2020



Note: Rate of overdose death per 1,000.

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