

Supplemental Online Content

Hollenbach SJ, Thornburg LL, Glantz JC, Hill E. Associations between historically redlined districts and racial disparities in current obstetric outcomes. *JAMA Netw Open*. 2021;4(9):e2126707. doi:10.1001/jamanetworkopen.2021.26707

eTable. Secondary Outcome Associations Between the Extremes of Historic HOLC Designation and Pregnancy Complications or Outcomes

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eFigure 2. Distribution of Community Resources

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This supplemental material has been provided by the authors to give readers additional information about their work.

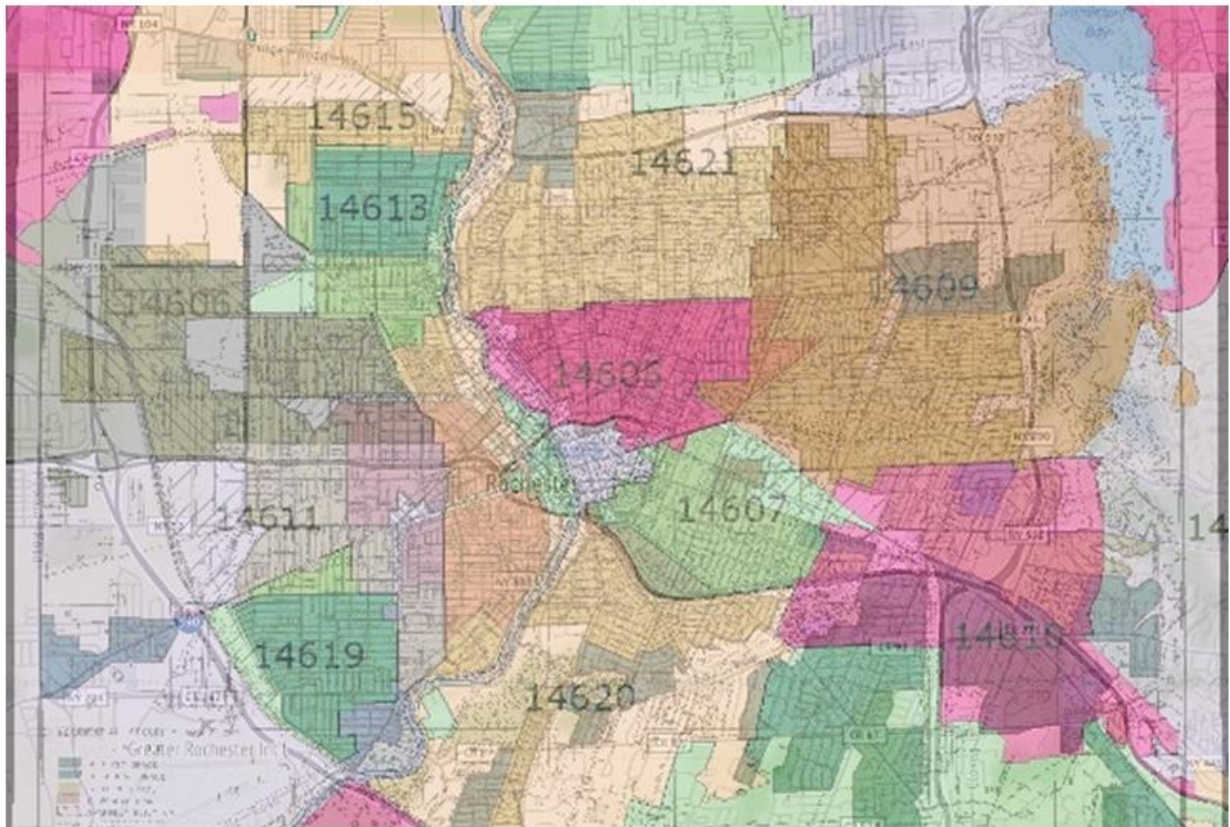
eTable. Secondary Outcome Associations Between the Extremes of Historic HOLC Designation and Pregnancy Complications or Outcomes

Outcome	OR (95% CI, p)
All categories of preterm birth ^a	1.73 (1.46-2.05, p <0.001)
Preterm birth <28 weeks ^a	2.82 (1.55-5.13, p = 0.001)
Periviable birth 22-25 weeks ^a	3.11 (1.35-7.18, p = 0.008)
Pregnancy-associated hypertension	1.26 (1.03-1.52, p = 0.02)
Severe maternal depression	4.40 (3.15-6.17, p < 0.001)
NICU admission	1.62 (1.38-1.90, p < 0.001)
5 minute APGAR score <7	2.60 (1.69-4.02, p < 0.001)
Substance use	16.4 (6.0-22.4, p < 0.001)
Exclusive breastfeeding	0.12 (0.11-0.13, p < 0.001)

^aPrimary outcomes of preterm birth provided for comparison.

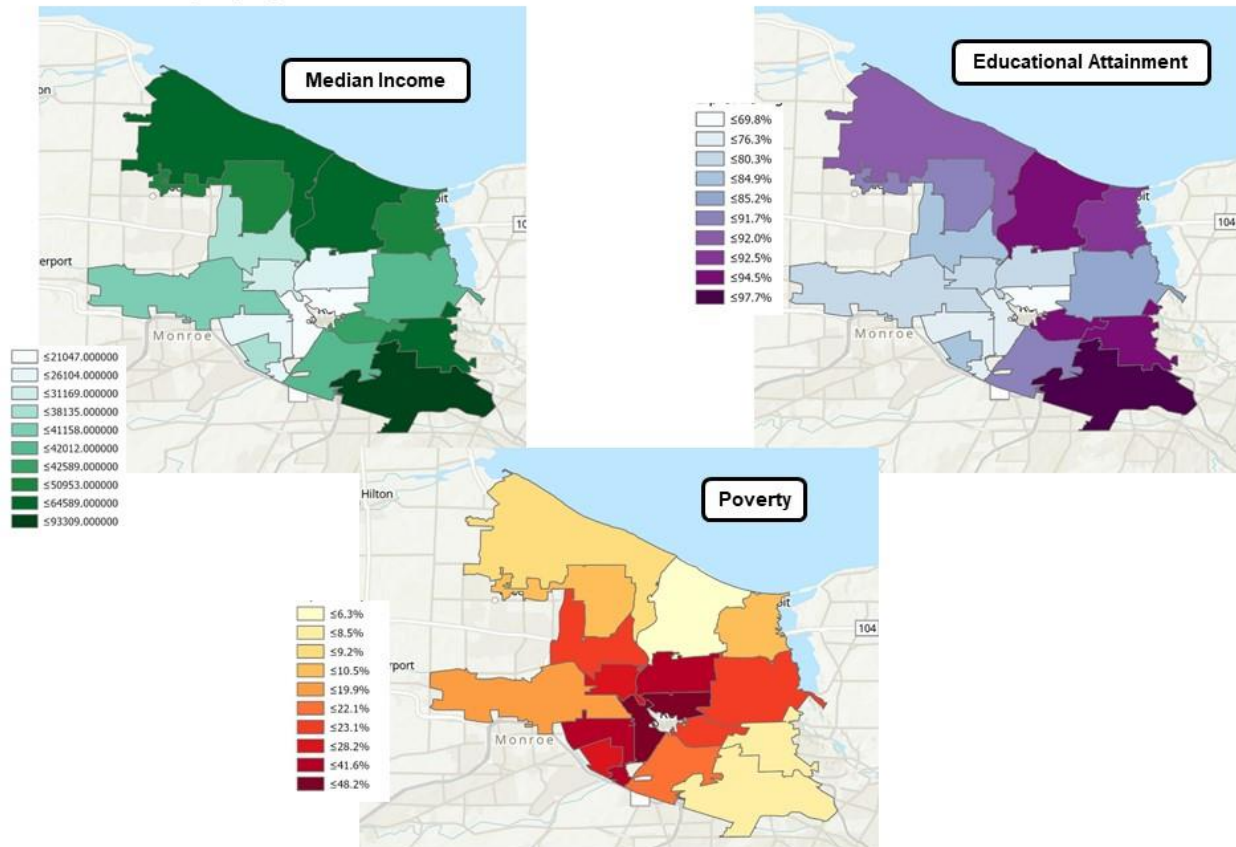
eFigure 1. Modern Zip Code Distributions Overlaid on the Historic HOLC Map of Rochester, New York

Supplemental Figure 1: Modern Zip Code Overlay on Historic Red-Lining Map



eFigure 2. Distribution of Community Resources

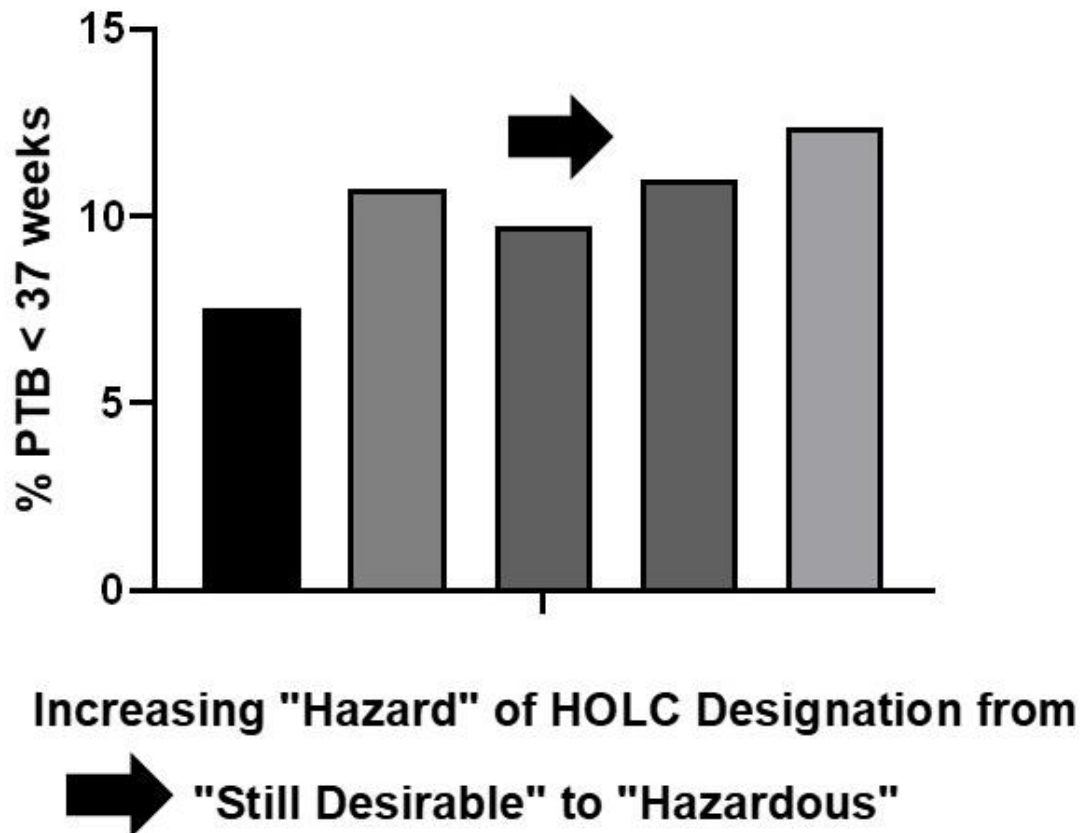
Supplemental Figure 2: Community Socioeconomic Markers by Modern Zip Code Geography



eFigure 2: Visual representation of distribution of community resources as defined by the US Census Bureau data (American Families Survey) 2017 for median income in USD (left), attainment of a high school diploma (right), and percentage of those living below the Federal Poverty Level (bottom).

eFigure 3. Incidence of Any Preterm Birth as by Historic HOLC Designation

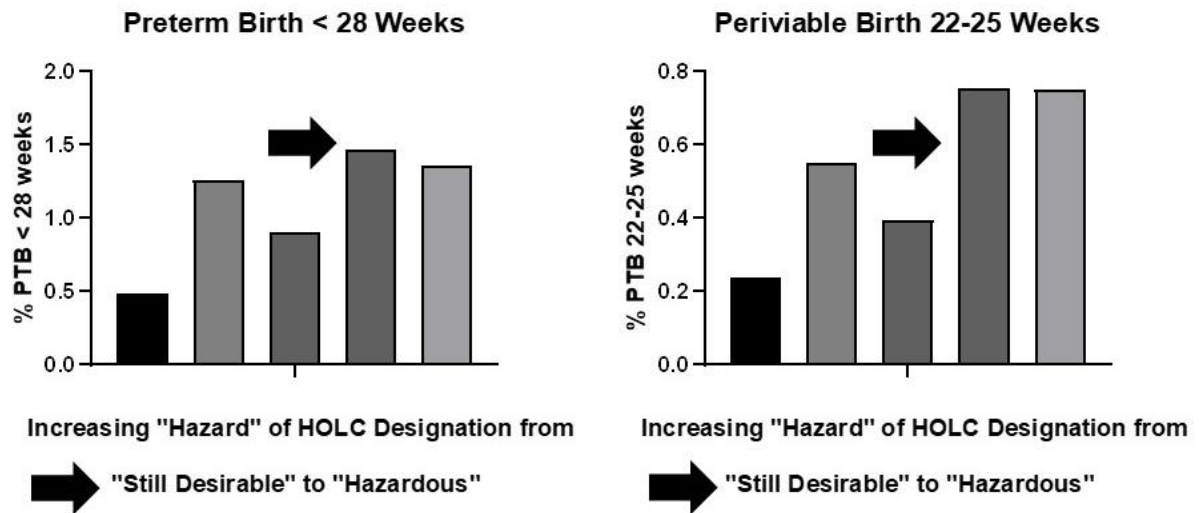
Supplemental Figure 3: Preterm Birth < 37 Weeks in Zip Codes Grouped by Historic HOLC Designations



eFigure 3: Graphic representation of the incidence of any preterm birth as the “Hazard” of historic designation increased from “Best” to “Hazardous.”

eFigure 4. Incidence of Extreme Preterm Birth and Periviable Birth by Historic HOLC Designation

Supplemental Figure 4: Extremely Preterm Birth in Zip Codes Grouped by Historic HOLC Designations



eFigure 4: Graphic representation of the incidence of extreme preterm birth less than 28 weeks and periviable birth less than 26 weeks as the “Hazard” of historic designation increased from “Best” to “Hazardous.”