

Lead Testing in Children

Testing Volume and the COVID-19 Pandemic



How did the volume of pediatric lead testing change during the COVID-19 pandemic?



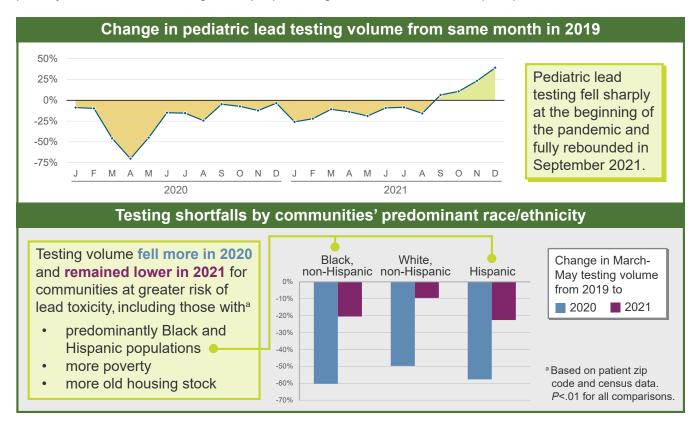
Background

As part of routine healthcare, the Centers for Disease Control and Prevention recommends pediatric blood lead testing because of lead's effect on brain development. The COVID-19 pandemic affected the delivery of routine healthcare, but the effect of the pandemic on blood lead testing has not been assessed.



Methods and Results

Monthly volumes of pediatric (<6 years of age) lead testing during 2020 and 2021 were compared with those of 2019 (before the pandemic). Data was analyzed by community factors including race/ethnicity, poverty rates, and old housing stock (ie, predating the ban on lead-based paint).





Pediatric lead testing substantially declined early in the pandemic and then gradually rebounded in 2021. However, the rebound was less apparent in Black and Hispanic communities and those with oldest housing and higher poverty.

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^{1.} Kaufman HW, Niles JK, Brewster RCL, et al. Impact of the COVID-19 pandemic on blood lead testing in children in the United States. *Popul Health Manag.* 2024 Apr 8. doi: 10.1089/pop.2023.0298