

BACKGROUND

The Chicago Department of Public Health's (CDPH) mission is to work with communities and partners to create an equitable, safe, resilient and Healthy Chicago. CDPH's vision is that everyone in Chicago thrives and achieves their optimal health and wellness. A healthy and lead-free home is an important part of health and wellness, particularly for Chicago's children. CDPH works to detect and address exposures to lead hazards. Through data monitoring, case management, strategic inspection and abatement, partnership with healthcare providers and community organizations, and public education, CDPH is leading efforts to permanently eliminate childhood lead poisoning in Chicago.

This report presents recent data related to blood lead testing and the prevalence of elevated blood lead levels in children. CDPH uses this data to understand how well our strategies to eliminate childhood lead poisoning are working and to guide our future actions.



CHILDHOOD LEAD POISONING PREVENTION & DATA REPORT

EXECUTIVE SUMMARY

Chicago has made great progress in reducing childhood lead poisoning. In 1996, the estimated prevalence of blood lead levels of 5 ug/dL or greater among Chicago children was 70.2%, by 2021 it had decreased to 1.8% (see Figure A).¹ This success is a result of strong policies and a comprehensive approach to lead poisoning prevention, including home inspections and abatement of lead hazards by the Chicago Department of Public Health (CDPH).²,³ Residing in older, poorly maintained housing with lead-based paint hazards continues to be the most common source of exposure in Chicago children.

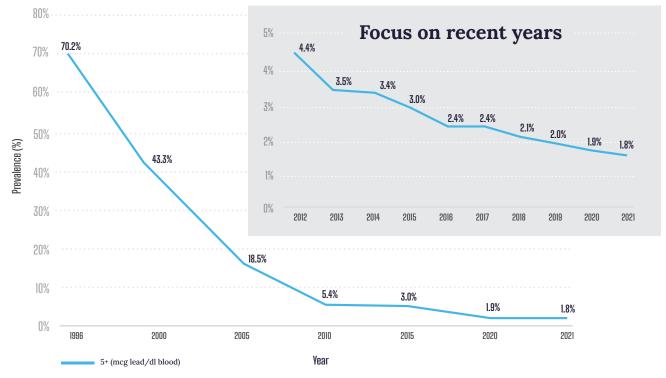
Current data

- The prevalence of children with elevated blood lead levels continues to decline. Between 2017 and 2021, the prevalence of blood lead levels at or above $5 \,\mu g/dL$ decreased from 2.4% to 1.8%.
- All children in Chicago should receive blood lead testing at ages 1, 2 and 3 years. Among children born between 2015 through 2017, 74% were tested at least once before 4 years of age. Only 11% of Chicago children were tested at all three ages (1, 2, and 3 years) (Figure 1A).
- Blood lead testing was impacted by the COVID-19 pandemic. Blood lead testing decreased by 33% in 2020 when compared to the same time period prepandemic. When compared to the same time period in 2021, blood lead testing was 22% lower than testing in the pre-pandemic time period (Figure 3).

- In 2021, only 26% of children who had a capillary blood test with a blood lead level of 5 ug/dL had a confirmatory venous test, despite the Centers for Disease Control and Prevention (CDC) recommendations to perform confirmatory testing (Figure 8).
- Geographically, the majority of community areas with high lead prevalence are located on Chicago's south and west sides where the population is predominately non-Hispanic Black. These areas also have high prevalence of pre-1940's rental housing (Map 3).

FIGURE A

Reduction in the prevalence of venous blood lead levels, 5+µg/dL, in Chicago children <1-5 years of age, 1996-2021



This chart describes the prevalence (percent) of venous blood lead levels of 5+ µg/dL in children aged 0-5 who recieved blood lead testing during 1996-2021. For the years 1996-2016, prevalence was imputed by multiplying the prevalence of blood lead levels of 6+ by 1.42. During this time period, many testing laboratories did not measure blood lead levels less than 6 µg/dL. By 2017, laboratories routinely measured blood lead levels down to 5 µg/dL. For the years 2017 to 2022, the prevalence of blood lead levels 5+ was determined by observation rather than imputation.

Next steps

- Work with healthcare providers to ensure that testing of children for lead in blood at ages 1,2 and 3 years returns to, and exceeds, pre-pandemic rates.
- Work with community-based organizations to provide direct outreach and education to pregnant people and families with young children, particularly in community areas where there are the highest levels of blood poisoning among children. Continue to provide lead prevention education for building owners and families through workshops and to raise public awareness through lead and healthy homes media campaigns.
- Expand access to lead hazard abatement and other healthy home repairs by leveraging new and existing funding from the Chicago Recovery Plan (\$47 million) and from the U.S. Department of Housing and Urban Development (\$8.7 million) to increase abatement of lead and other health hazards in homes with pregnant people and young children, particularly in communities with the highest rates of childhood lead poisoning.



INTRODUCTION

Lead is a highly toxic metal that may cause a range of health problems, especially in young children.

In Chicago, lead-based paint is the most common source of lead exposure for children.



Lead-based paints were banned for residential use in 1978.

Homes built in the U.S before 1978 are likely to contain some lead-based paint. When the lead-based paint peels and cracks, it makes lead dust and lead paint chips.



Lead can also be found in some products such as toys and jewelry and is sometimes in candies, spices and cosmetics imported from other countries or traditional home remedies.

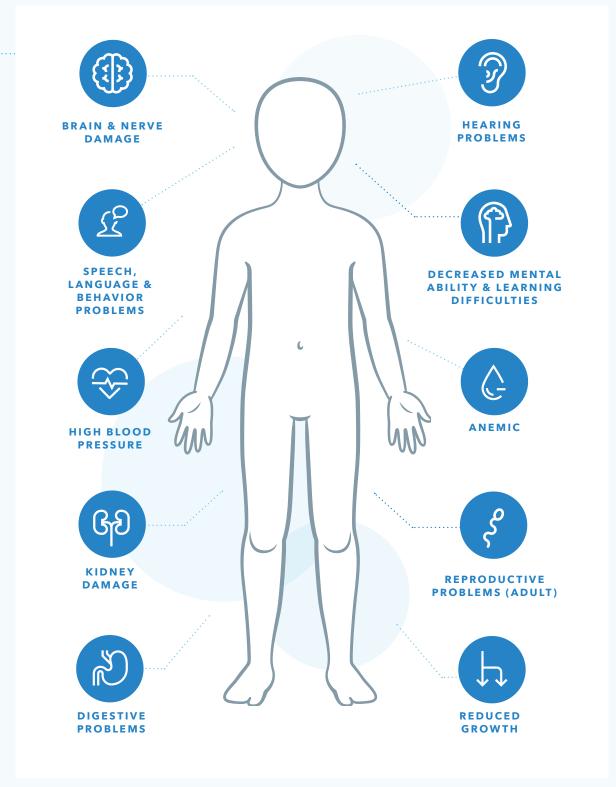


Certain jobs (e.g., battery manufacturers) and hobbies (e.g., stained glass work) involve working with lead-based products and exposure may occur if parents bring lead from their work or hobby into the home.



Additionally, lead contamination can be found in soil, and certain water pipes may contain lead.⁴

THE TOXIC EFFECTS OF LEAD



Lead poisoning occurs when lead builds up in the body as a result of swallowing, ingesting, inhaling, or absorbing lead in contaminated materials. There is no level of lead in the blood that is considered safe. Lead exposure can cause adverse health outcomes in children, including damage to the brain and nervous system, slowed growth and development, learning and behavior problems, and hearing and speech problems, which can then lead to lower IQ, decreased ability to pay attention, and underperformance in school.⁵ Younger children, those under 6 years of age, are at greatest risk for the health problems caused by lead exposure. The 5-year American Community Survey, 2016-2020, estimates that there are over 195,000 children in Chicago in this age group.

There are often no apparent or visible symptoms when a child is exposed to lead. Because of this, the Centers for Disease Control (CDC) recommends testing children for lead exposure. A blood test is the main way to determine if a child has been exposed to lead. In Chicago, all zip codes are considered high risk zip codes for lead according to the Illinois Department of Public Health.⁶ Therefore, all children in Chicago should be tested for lead at 1, 2, and 3 years of age.

The amount of lead in blood is referred to as the blood lead level. In February 2019, Illinois adopted a reference value of 5 μ g/dL to identify children who have a blood lead level higher than most children in the US. In May 2021, CDC adopted a blood lead reference value (BLRV) of 3.5 μ g/dL to identify children with blood lead levels that are higher than most children's levels.⁷ At this time, the Chicago Department of Public Health (CDPH) continues to align with the Illinois Department of Public Health and uses the 5 μ g/dL reference blood lead value to identify children who have elevated blood lead levels.





CDPH's Childhood Lead Poisoning Prevention Program

CDPH's Childhood Lead Poisoning Prevention Program works to prevent, detect and address exposures to lead hazards. The goal is to eliminate lead poisoning among children and those who are pregnant and nursing using intervention methods such as lead testing, lead environmental inspection, case management, lead remediation and abatement and public education.



CASE MANAGEMENT

Children with a confirmed elevated blood lead level of at least $5\mu g/dL$ are referred to the case management unit. A public health nurse will meet with the family to conduct a social developmental assessment, provide nutritional counseling, coordinate with the lead inspector, and refer the child for additional services, as needed.



ENVIRONMENTAL INSPECTION

A licensed lead-risk assessor inspects the interior/exterior of the residence where a child with a confirmed elevated blood lead level resides. The risk assessor inspects the home environment to find any lead hazards.



ENFORCEMENT

CDPH assures that property owners appropriately address lead hazards through the enforcement of the city and state lead laws via the court system.



HEALTHY HOMES GRANT PROGRAM

The Lead Poisoning Prevention and Healthy Homes Grant Program assists low and moderate-income families in Chicago who occupy privately-owned housing units built before 1978, where lead hazards have been identified, to address the lead hazards in their homes. The grant program provides lead remediation services to income-eligible participants, prioritizing units where children under six years old or pregnant persons reside. The grant program aims to ensure all eligible families and children have a lead-safe and healthy home in the City of Chicago.



COMMUNITY ENGAGEMENT

The CDPH Lead Poisoning Prevention Program provides educational outreach about lead poisoning prevention to Chicagoans, through media campaigns, and community workshops.

DATA

The data presented in this section is from the Illinois Department of Public Health Healthy Homes and Lead Poisoning Prevention
Surveillance System. Healthcare providers in Illinois are required to report blood lead levels to the Illinois Department of Public Health, which then provides the information to local health departments, such as CDPH.
CDPH uses this data to determine who needs lead-related services, including case management and environmental inspections.

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The ages when children are receiving blood lead testing and how that has changed over time—especially during the pandemic



How lead exposure prevalence and incidence has changed over time by blood lead levels and by age



How elevated blood lead prevalence, blood lead testing and high-risk housing varies geographically



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FIGURE 1A

Proportion of 2017 birth cohort receiving an annual blood lead test at ages 1, 2, and 3 years

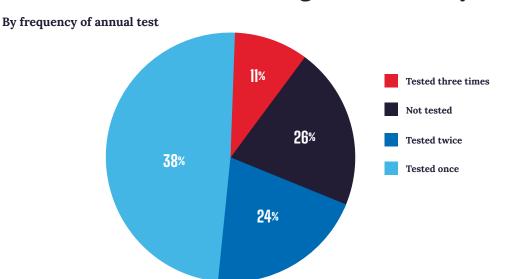
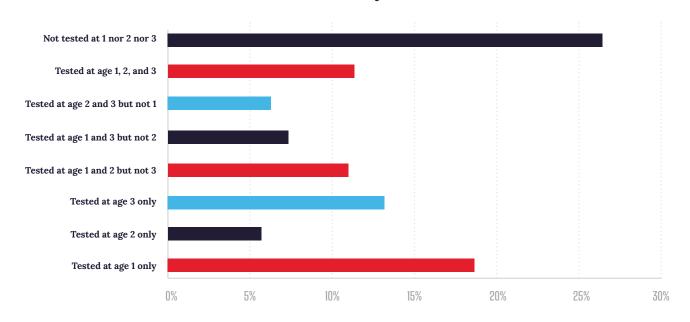


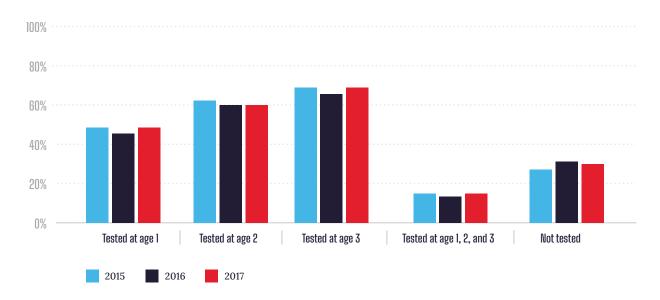
FIGURE 1B

Percentage of 2017 birth cohort receiving an annual blood lead test at ages 1, 2, and 3 years, all combinations of test history

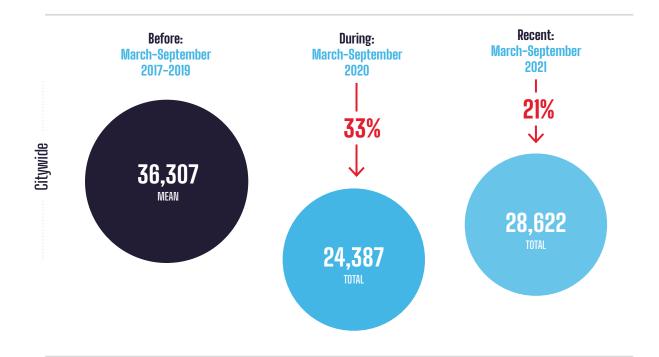


Among children born in 2017, the majority (74%) were tested at least once at ages 1, 2 or 3 years, while 26% of children in the cohort were not tested at any age. (Figure 1A). Only 11% of this birth cohort was tested at all 3 ages (1, 2, and 3 years) (Figure 1B).

Annual blood lead level testing experience, ages 1 to 3 years, 2015 to 2017 birth cohorts, % of cohort



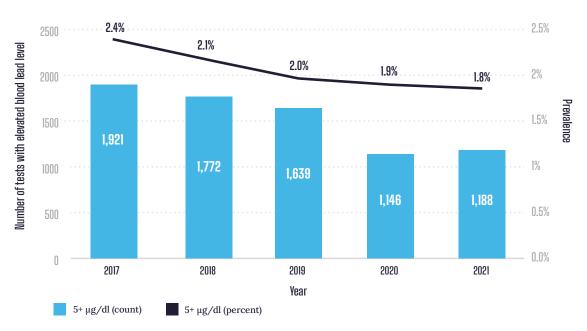
Percent decrease in blood lead level testing during the COVID-19 pandemic and recent time period compared with before the pandemic



Disruption in primary care was reported during the COVID-19 pandemic onset. Nationwide, a decrease in blood lead testing during the pandemic was noted among children.8 Comparing March–September 2020 (during pandemic) and March–September 2021 (recent time period), with mean of tests performed during March–September 2017–2019 (the pre–pandemic time period); during the pandemic, blood lead testing decreased 33% when compared to the pre–pandemic time period (24,387 tests during vs 36,307 tests pre–pandemic).

During the recent period, testing remained 21% below the pre-pandemic levels (28,622 tests for the recent period vs 36,307 tests pre-pandemic). Pediatric blood lead testing decreased during the pandemic. And although testing volume has increased in recent months, it remains lower than pre-pandemic. This may also be impacting the number of total tests seen in table 1.

Prevalence of blood lead levels of $5\mu g/dL$ or higher in children ages <1-5 years, 2017-2021



Between 2017 and 2021, the prevalence of blood levels at or above the blood reference level (i.e. a blood level of 5 μ g/dL or higher) has decreased from 2.4% to 1.8% (Figure 4).

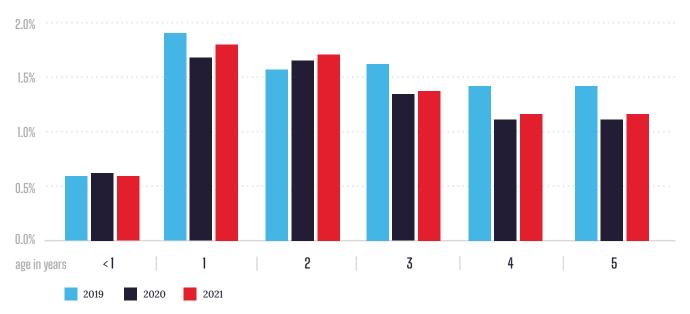
TABLE 1

Prevalence of blood lead level categories in children ages 1-5 years old who received a blood lead test, 2019-2021

	2	019	2020		2	2021
Blood lead level category (μg/dL blood lead)	Count	Percent	Count	Percent	Count	Percent
0-4	70,361	97.86%	53,164	98.01%	55,798	98.00%
5-9	1,130	1.57%	776	1.43%	836	1.47%
10-15	220	0.31%	169	0.31%	157	0.28%
15-24	119	0.17%	92	0.17%	93	0.16%
25-44	58	0.08%	37	0.07%	42	0.07%
45+	12	0.02%	7	0.01%	9	0.02%
Total:	71,900	100%	54,245	100%	56,935	100%

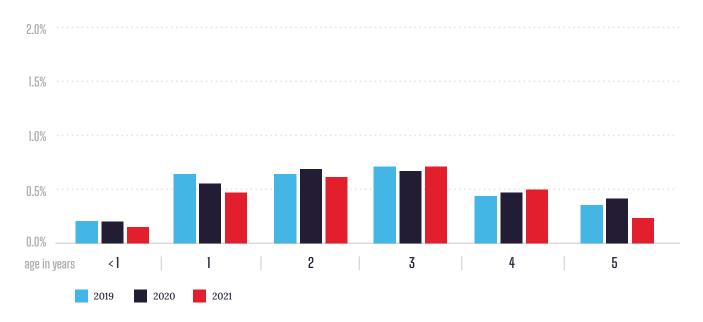
A total of 71,900 children were tested in 2019, 54,245 in 2020, and 56,935 in 2021. Of all the children who were tested for lead, greater than 97% in each year between 2019–2021 had a blood lead level less than $5\mu g/dL$. A total of 1,539 children in 2019, 1,081 children in 2020 and 1,137 children in 2021 had a blood lead level of $5\mu g/dL$ or greater. Less than 1% of children in each year had a blood lead level of $10\mu g/dL$ or higher (Table 1).

Age-specific prevalence of blood lead levels 5-9 µg/dL in children <1-5 years old, 2019-2021



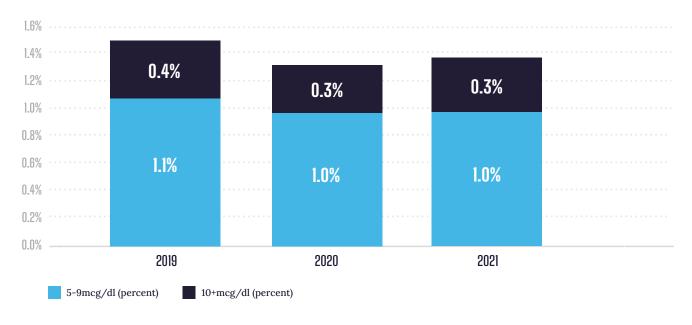


Age-specific prevalence of blood lead levels 10+ µg/dL in children <1-5 years old, 2019-2021





Incident elevated blood lead levels as a percent of at-risk children tested, 2019-2021







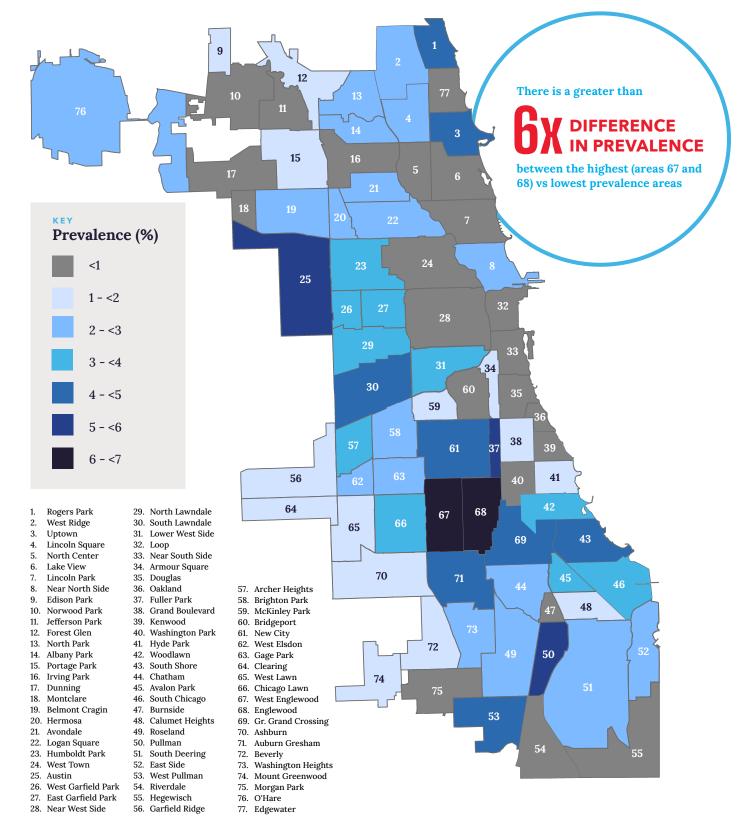
Confirmatory venous blood lead test completion and incompletion in children with capillary blood lead levels of 5+ $\mu g/dl$, 2019-21



In 2019, of the 387 children with capillary blood lead levels of $5\mu g/dL$ or higher, 208 (54%) received confirmatory venous testing. In 2020 and 2021, 109 (44%) of 245 and 155 (26%) of 589 children who had a capillary blood lead levels of $5\mu g/dL$ or higher received a confirmatory venous test, respectively. (Figure 8)

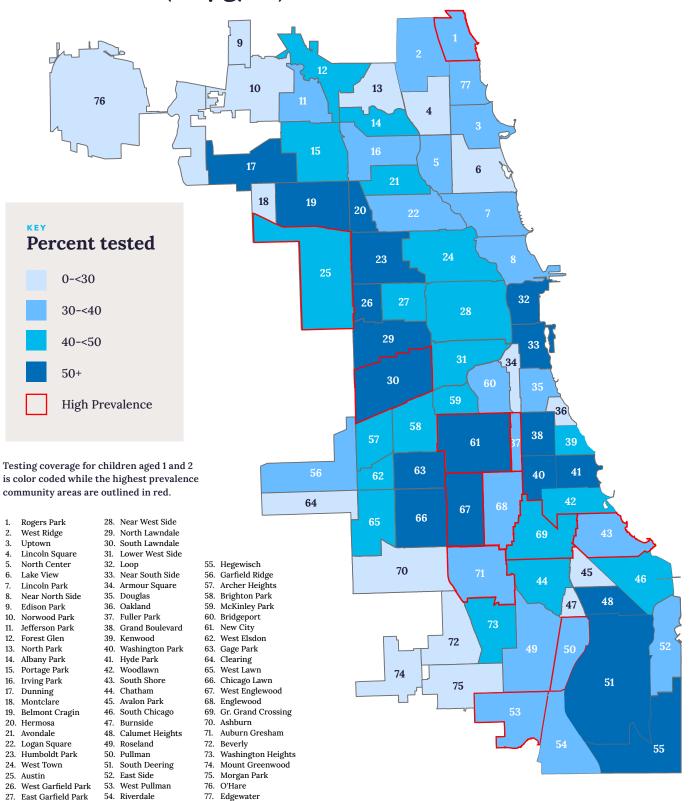
МАР 1

Prevalence (%) of elevated blood lead levels (5+ μ g/dl) in tested 1 and 2 year olds, 2021



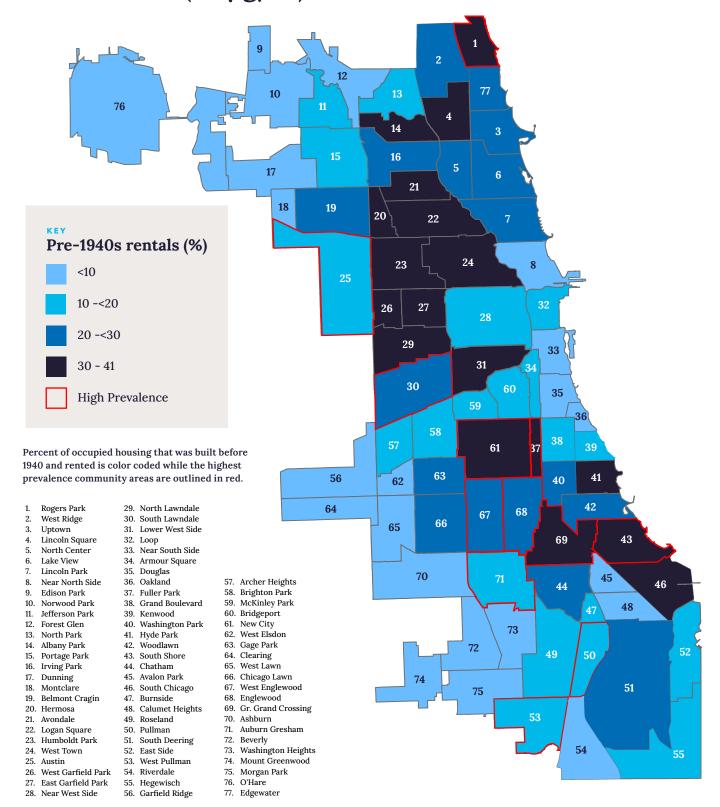
Data Source: Healthy Homes and Lead Poisoning Prevention Surveillance System, Illinois Department of Public Health

Blood lead testing coverage in neighborhoods with high prevalence (>=4.0%) of elevated blood lead levels (5+ μ g/dl), 2021



MAP 3

Older (pre-1940) rental housing in neighborhoods with high prevalence (>=4.0%) of elevated blood lead levels (5+ μ g/dl), 2021



 $\textbf{Data Source:} \ Healthy \ Homes \ and \ Lead \ Poisoning \ Prevention \ Surveillance \ System, Illinois \ Department \ of \ Public \ Healthy \ Homes \ and \ American \ Community \ Survey, U.S. \ Census \ Bureau \ Homes \ Homes$

Map 1 shows the prevalence of elevated blood lead levels in Chicago's 77 community areas. A navy blue or dark blue indicates a higher prevalence of elevated blood lead levels. In general, areas with a higher prevalence of elevated blood lead levels are noted on the south and west sides of the city. Of the 12 communities with high prevalence of elevated blood lead levels, 6 communities had testing rates of less than 40%. (Map 2). Of the 12 community areas with high prevalence of elevated blood lead levels, 6 had pre-1940 rental housing constituting less than 30% of occupied housing. None of the high prevalence community areas had the lowest level of pre-1940 rental housing (Map 3).



DISCUSSION

Between 2017 and 2021, the prevalence of blood lead levels in Chicago at or above the reference range decreased from 2.4% to 1.8% (Figure 4).

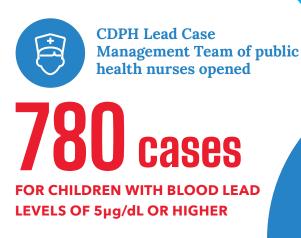
CDPH's Childhood Lead Poisoning
Prevention Program continues its mission of preventing lead poisoning by maximizing the availability of affordable, lead-safe housing in the city, through lead case management, environmental inspection and lead abatement and enforcement.



CDPH Lead Case Management Team

The CDPH Childhood Lead Poisoning Prevention Program Case Management team provides nursing support for families with children ages 6 years and younger who have an elevated blood lead level of 5ug/dL or higher. A public health nurse will meet with the family to conduct a social developmental assessment, provide nutritional counseling, coordinate with the lead inspector, and refer the child for additional services, as needed.

In 2021, the CDPH Lead Case Management Team opened 780 cases for children 6 years and under with blood lead levels of 5ug/dL or higher. COVID restrictions limited in-home visits. However, the nursing staff, through telephone interviews and letters, provided relevant education (e.g., on lead poisoning prevention and follow-up testing recommendations), assessed needs, ensured medication adherence for lead treatment, and provided necessary resources (e.g. referrals for medical or household needs).







CDPH Childhood Lead Poisoning Prevention Program Environmental Inspection Team

The CDPH Childhood Lead Poisoning Prevention Program Environmental Inspection Team ensures the homes (or other locations) where children with elevated blood lead levels lived or spent time were inspected for lead hazards, and these hazards were mitigated.

When a child has an elevated blood lead level, they are referred to the CDPH Lead Poisoning Prevention Program for an environmental inspection. Each case is assigned an environmental inspector. These CDPH lead inspectors serve as facilitators throughout the mitigation or abatement process. The CDPH inspectors contacts the owner/tenant of the property to schedule and complete an inspection of the property. If lead hazards are found during the inspection, the property owner/tenant is notified, and a meeting is scheduled to plan for mitigation. Once the plans for mitigation are complete, a timeline for the work to be completed is set. Each property is re-inspected multiple times throughout the process. Once the work on the property is complete, the inspector returns to the property to ensure the mitigation or abatement was successful and the property in cleared.



456 homes



4,251 re-inspections



229 homes



lead safety
workshops
FOR LANDLORDS
& FAMILIES

In 2021, A total of 456 homes were inspected. Following an initial inspection and assessment for lead hazards, re-inspections were performed to ensure the homes were properly maintained or required remediation was completed. During 2021, 4,251 re-inspections were performed. The final step of the lead inspections and assessments is to ensure that the home is cleared of the hazard; 229 homes were cleared. The program also conducted 18 lead safe practices workshops for landlords and families. Landlords and families who are interested in attend a future workshop should contact the CDPH Lead hotline at (312) 747-LEAD (747-5323).



Abatement

Complete removal of any lead bearing components from a home environment; permanent elimination of lead-based paint hazard (e.g. removal of windows with lead-based paint and replacement with windows that do not contain lead-based paint).

Mitigation

Remediation of a lead hazard so that lead bearing competent does not pose an immediate health risk to the occupants. (e.g wet scraping the loose lead-based paint from a door and repainting with a non-lead-based paint). 27

NEXT STEPS

While great progress has been made in the decline of the prevalence of elevated blood lead levels among Chicago's children, lead poisoning prevention work continues.





CDPH is committed to continued data monitoring and evaluation of lead testing and prevalence of elevated blood lead levels. CDPH plans to release updated data reports in the future.



CDPH works closely with the Illinois Chapter of the American Academy of Pediatrics (ICAAP). In recent years, ICAAP has completed a quality improvement project with local providers to increase provider documentation of blood lead test orders and documentation of family notification of blood lead test results. ICAAP has also developed webinars and other materials to raise awareness and educate healthcare providers about testing and response.



CDPH contracts with community-based organizations to provide direct outreach and education to pregnant people and families with young children, particularly in community areas where there are the highest levels of blood poisoning among children.



To raise public awareness, CDPH launches lead and healthy homes media campaigns, previously in the month of June for National Healthy Homes Month and in October to coincide with National Lead Poisoning Prevention Week.



In 2022, CDPH was allocated \$47 million in bond funds from the City of Chicago Recovery Plan and \$8.7 million from the Department of Housing and Urban Development. Both funding sources will be used over the next four years to expand home inspections and mitigation of lead and other healthy homes related hazards in Chicago homes.

This investment will allow for:

- Expanded income eligibility for lead mitigation
- Additional investment in healthy homes repairs
- Exploration of proactive lead abatement in neighborhoods with higher lead poisoning prevalence



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In addition to the CDPH Childhood Lead Poisoning Prevention Program activities, healthcare providers, building owners and parents each play a unique role in lead poisoning prevention and response:



Healthcare Providers

- Perform a blood lead test on Chicago children at ages 1, 2, and 3 years according to the recommendations of the Illinois Department of Public Health.
- If screening capillary blood lead test results are ≥5 µg/dL, collect a venous sample for confirmatory testing. Consider replacing capillary blood draws with venous blood draws, when possible and appropriate, in order to reduce the number of children with unconfirmed elevated blood lead levels from an initial capillary blood lead test.
- Perform follow-up blood lead testing for children with elevated blood lead levels as outlined below:

Capillary Blood Lead Level (µg/dL)	Confirm with Venous Blood Test Within:	Venous Blood Lead Level (μg/dL)	Perform Follow-up Testing within:
5-24	1 month	5-14	3 months
25-44	2 days	15-19	2 months
≥45	1 day	20-29	1 month
		30-39	2 weeks
		≥40	1 week







Building owners

- Tell new tenants about the <u>presence of lead-based paint</u> in the home or unit.
- In homes built before 1978:
 - Find out if there is lead-based paint by hiring a <u>qualified professional</u>.
 - Remove peeling or chipping lead-based paint by hiring <u>qualified professionals</u>.
 - Do not disturb lead-based paint, never use dry sanding on painted surfaces, and for home renovations ensure contractors have EPA Renovation, Repair, and Painting certification.
- Reduce bare soil in the yard by planting grass or covering with grass seed, mulch or wood chips.
- In homes built before 1986, consider installing a water filter that removes lead from drinking water. See https://www.leadsafechicago.org/water for more information about reducing lead in water.



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Chicago Parents

- Talk with your child's doctor about testing your child's blood lead level at ages 1, 2 and 3 years.
- Persons who are pregnant and breastfeeding should also avoid exposure to lead.
 If you are pregnant or breastfeeding, talk with your doctor about exposure to sources of lead.
 - Learn more about <u>lead and pregnancy</u> and ways to <u>avoid lead exposure</u> <u>during pregnancy</u>.
- Try to control or eliminate sources of lead in your child's environment, including:
 - If you rent a home built before 1978, ask your landlord to follow the instructions for building owners (page 31).
 - If you own a home built before 1978, follow the instructions for building owners (page 31).
- Remove toys, toy jewelry, imported candy, imported spices, and any other items recalled due to lead contamination from children and discard as appropriate.
 Stay up-to-date on current recalls by visiting the Consumer Product Safety Commission's website: www.cpsc.gov.





 More resources available here

General Resources

CDPH Lead Poisoning Prevention website https://www.chicago.gov/lead

Lead-Safe Chicago leadsafechicago.org

HUD's Healthy Homes Program hud.gov/program_offices/healthy_homes/hhi

Lead service line replacement leadsafechicago.org/lead-service-line-replacement

Centers for Disease Control and Prevention Lead Information for Parents and Caregivers cdc.gov/nceh/lead/audience/parents.html

Resources for Providers

Chicago Health Alert Network Lead Poisoning Prevention Program Page <u>chicagohan.org/programs/lead</u>

Illinois Department of Public Health Lead
Poisoning Prevention Professional Education
& Training
dph.illinois.gov/topics-services/environmental-health-protection/lead-poisoning-prevention/

Centers for Disease Control and Prevention Lead Information for Healthcare Providers cdc.gov/nceh/lead/audience/healthcare-providers.html

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education-training.html

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APPENDIX



Methodology and Data Sources

All blood lead test data was drawn from the Illinois Healthy Homes and Lead Poisoning Surveillance System (HHLPSS). The American Community Survey was the data source for housing tenure and housing age in Map 3 (5-year survey 2016-2020) and for the population of 1 and 2 year olds by community area used in Table A1.

Multiple tests were assigned to the same child by using a probabilistic matching method using name and date of birth.

For Figures 1 and 2, after assigning a child to a birth year, the child was given a testing status for years of age. A child tested in months of age 12 to 23 was assigned to year one; a child tested between ages 24 to 35 months was assigned to year two; and a child tested between ages 36 to 47 months was assigned to year three. The denominator to calculate the percent is the count of children born in Chicago in that birth year. For example, children born in 2017 and tested in 2018/Chicago births in 2018 = percent of children receiving a blood lead test at age 1. Note that the tacit assumption is that all children born in Chicago stay in Chicago until they turn 4 years old and no child born outside of Chicago moves into Chicago.

For Figures 4,5,6, and Table 1, and Map 1 and 2, every tested child was assigned a peak blood lead level from venipuncture (ie, venous blood). If there was no venous blood drawn, (ie, the blood draw method was a fingerstick or unknown) then the blood lead level was specified as <5 $\mu g/dL$. Every blood lead level of 5 $\mu g/dL$ or greater is 'venous'. The child's address corresponding to that peak blood lead level was used to assign their community area. In most years, 20% of blood draws are fingerstick whereas unknown blood draws range from <1% to <5% per year.

For Figure 7, the above methods for assigning multiple tests to the same child and determining blood lead levels of $\geq 5~\mu g/dL$ were used. Children with a blood lead level ≥ 5 in the preceding calendar year were assigned 'not at-risk' status. For example, to determine the children at risk in 2019, only children who were tested in 2019 and did not have a blood lead level $\geq 5~\mu g/dL$ in 2018 were included.

For Figure 8, a child in a calendar year who received a capillary (fingerstick blood draw) blood lead level $\geq 5~\mu g/dL$ was assigned to confirmatory venous test completed status if they had a subsequent venous blood lead level measured in the same calendar year. Otherwise, they were assigned to incompletion status.

The blood lead tests described here are not performed as a random sample and therefore are not representative of the entire population of Chicago children under age 6. Since the geographic distribution of per capita testing is similar from year to year, we can infer that a similar population with similar risks of lead exposure are being tested year after year. Therefore, these blood lead test findings provide a reasonably accurate picture of the broadest changes over time.

Note: Following their 2022 conference, The Council of State and Territorial Epidemiologists (CSTE) has changed the name of the condition under surveillance from "elevated blood lead level" to "lead in blood," updating the criteria for reporting, the case definition, and case classifications. For the purposes of this report, the term "elevated blood lead level" was used. Future reports will reflect the updated language and term "lead in blood" will be used.

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CHILDHOOD LEAD POISONING PREVENTION & DATA REPORT

These cleaning techniques will not remove lead hazards. If you are concerned about lead in your home, contact the Chicago Department of Public Health.

CHICAGO DEPARTMENT OF PUBLIC HEALTH LEAD DUST CLEAN-UP AND CONTROL TEMPORARY HAZARD REDUCTION

SUPPLIES:

2 Tablespoons Automatic Dish washing Soap or Detergent

I Gallon Warm Water in a bucket

1 Gallon Warm Water for rinsing

Disposable rags or paper towels

Mop

Latex Gloves

Scrubber

Spray bottle (optional)

WHAT YOU SHOULD DO:

- 1. Start where your child spends the most time.
- 2. Pick up all clothes and toys and throw away all trash.
- 3. Put on gloves.
- 4. Mix soap in the bucket of water.
- 5. Wipe off window sills, wells, molding and baseboards with soap.
- 6. Rinse well with clean water and clean rags.
- 7. Mop floors, steps, comers and under furniture
- 8. Rinse well with clean warm water.
- 9. Repeat steps 6 and 7 as often as needed.
- 10. Flush all dirty water down the toilet.
- 11. Wash all toys, blankets, sheets, rugs, curtains, etc.

Notes:

- 1. Always Wet Sweep before mopping by spraying the floor with above cleaning solution or water, and then sweep.
- 2. <u>DO NOT</u> use bleach with soap.
- 3. Steam Clean or throw away old carpet. (Steam Cleaners can be rented at various grocery or hardware stores.) May need to be done more than once.

CLEAN UP CHECK LIST

CHORES	TO-DO	DONE	CHORES	TO-DO	DONE	CHORES	TO-DO	DONE
LIVING ROOM			MISC			KITCHEN		
vacuum/wet sweep			vacuum furniture			wash dishes		
floors			carpet cleaned			wet mop and rinse		
wet wipe window sills wet mop			wash curtains & wet			floors wash counters and		
BEDROOMS			wash ceiling fans			rinse floors		
wash toys			wash knickknacks			stove wash		
wash bedding			FAMILY ROOMS			refrigerator wash		
vacuum/wet sweep			vacuum/wet sweep		scrub sinks			
wet mop and rinse			floors			wash window sills and rinse		
floors wash baseboards and						ВАТН		
rinse						scrub sink		
wash window sills			floors		wash tub			
and rinse	rinse			wash toilet				
						wet mop and rinse floors		
						wash window sills and rinse		

PERSONAL HYGIENE

- Wash child's hands and face before eating snacks, meals and before bedtime.
- Keep child's fingernails short and clean.
- Keep child's hands away from mouth and face as much as possible.
- Wash toys often in warm, soapy water and rinse in clear water.
- Store food in plastic, glass or stainless steel containers. Not in pottery.
- Children should not eat food dropped on the floor or ground.
- Always eat at a table that has been washed before eating.
- Use only cold water to drink or to cook with.
 Run water for several minutes to remove lead particles.
- Store outdoor toys away from painted building and wash off dust and dirt.

- Wash bedclothes, sheets and pillow covers often.
- Keep "diaper wipe" type cleaners where the child can clean his/her own hands.
- Put a small amount of dish soap in a plastic soap bottle, add water and set on the side of the bathtub for the child to wash his/her own hands.
- Use a vinyl tablecloth or mat on which a child can sit and watch TV or play.
- Do not allow children to chew or suck on toys.
- Keep children away from windowsills, doors, railings and furniture with paint that is peeling, chipping or fading.
- Adults should shower and change before coming home if they work at a job where there is lead exposure.
- Wash baby bottles, pacifiers and "sippy" cups when they have been dropped on the floor.

TABLE A.1

Percentage of children aged 1 and 2 years old receiving a blood lead test, by Chicago community area, 2019-21*

Community Area Children aged 1 and 2			Children age	d 1 or 2 receiving a blood	l lead test (%)
			2019	2020	2021
1	Rogers Park	1181	56%	39%	37%
2	West Ridge	2603	47%	39%	39%
3	Uptown	1243	47%	31%	32%
4	Lincoln Square	1377	37%	27%	28%
5	North Center	1370	46%	33%	32%
6	Lake View	2573	40%	32%	29%
7	Lincoln Park	1356	51%	50%	40%
8	Near North Side	1473	47%	49%	33%
9	Edison Park	350	49%	30%	27%
10	Norwood Park	1041	33%	25%	27%
11	Jefferson Park	623	40%	33%	32%
12	Forest Glen	433	53%	46%	40%
13	North Park	692	46%	27%	28%
14	Albany Park	1162	60%	48%	49%
15	Portage Park	1445	52%	44%	42%
16	Irving Park	1382	49%	41%	38%
17	Dunning	671	43%	46%	52%
18	Montclare	473	29%	25%	27%
19	Belmont Cragin	1919	62%	48%	52%
20	Hermosa	542	69%	58%	56%
21	Avondale	890	46%	40%	42%
22	Logan Square	2004	52%	45%	38%
23	Humboldt Park	1451	61%	55%	53%
24	West Town	2177	55%	55%	43%
25	Austin	2592	61%	44%	44%
26	West Garfield Park	424	57%	50%	57%
27	East Garfield Park	597	50%	36%	44%
28	Near West Side	1497	49%	46%	41%
29	North Lawndale	785	73%	61%	58%
30	South Lawndale	1583	54%	53%	50%
31	Lower West Side	557	59%	49%	50%
32	Loop	366	58%	78%	61%
33**	Near South Side	164	110%	239%	173%
34	Armour Square	333	51%	32%	29%
35	Douglas	527	44%	31%	30%
36	Oakland	292	33%	27%	27%
37**	Fuller Park	38	100%	55%	45%
38	Grand Boulevard	411	58%	64%	63%
39	Kenwood	414	49%	43%	41%
40	Washington Park	219	63%	79%	76%

Community Area Children aged 1 and 2			Children aged	1 1 or 2 receiving a blood	l lead test (%)
			2019	2020	2021
41	Hyde Park	282	81%	60%	65%
42	Woodlawn	563	52%	38%	43%
43	South Shore	1606	50%	32%	34%
44	Chatham	601	45%	38%	47%
45	Avalon Park	277	24%	17%	23%
46	South Chicago	710	37%	37%	47%
47**	Burnside***	0	182%	0%	0%
48	Calumet Heights	143	71%	52%	68%
49	Roseland	948	46%	29%	32%
50	Pullman	163	48%	34%	36%
51	South Deering	222	51%	52%	62%
52	East Side	723	45%	27%	33%
53	West Pullman	657	47%	31%	35%
54	Riverdale	371	32%	31%	35%
55	Hegewisch	149	41%	36%	54%
56	Garfield Ridge	803	31%	31%	32%
57	Archer Heights	382	47%	47%	46%
58	Brighton Park	1141	58%	49%	49%
59	McKinley Park	343	44%	45%	44%
60	Bridgeport	698	63%	45%	49%
61	New City	1029	54%	52%	53%
62	West Elsdon	482	44%	39%	45%
63	Gage Park	1022	51%	48%	52%
64	Clearing	679	29%	26%	27%
65	West Lawn	941	55%	37%	41%
66	Chicago Lawn	1524	61%	47%	50%
67	West Englewood	612	85%	62%	62%
68	Englewood	962	65%	32%	31%
69	Gr. Grand Crossing	674	88%	45%	49%
70	Ashburn	1053	31%	25%	32%
71	Auburn Gresham	1263	50%	29%	31%
72	Beverly	445	26%	26%	29%
73	Washington Heights	486	41%	31%	42%
74	Mount Greenwood	496	16%	17%	15%
75	Morgan Park	545	28%	22%	23%
76	O'Hare	616	21%	22%	22%
77	Edgewater	1127	55%	35%	33%
СНІСА	AGO TOTAL ¹	65968	51%	42%	41%

 $\textbf{Source:} \ Healthy\ Homes\ and\ Lead\ Poisoning\ Prevention\ Surveillance\ System,\ Illinois\ Department\ of\ Public\ Health\ and\ American\ Community\ Survey,\ U.S.\ Census\ Bureau$

⁺A darker color indicated a lesser percentage of children tested

 $^{{\}rm ^{\star}\,The\,population\,of\,1\,and\,2\,year\,olds\,is\,estimated\,as\,two-thirds\,of\,under\,3\,population\,from\,the\,5-year\,American\,Community\,Survey, 2016-2020}$

^{**}Community Areas with a small number of children aged 1 and 2, such as community areas numbered 33, 37, and 47 can generate unrealistic percentages of 100% or greater and 0% testing because the estimated number of children in the community area is too small or the tested child is assigned to the wrong community area.

^{***}The population of 0 children aged 1 and 2 year olds in the Burnside Community is an underestimate of the small number of children living there.

Prevalent elevated blood lead levels, 1- 2 years old, in children who received a blood lead test, by community area, 2019- 2021

	Community Area		5+ μg/dL (percent)	
		2019	2020	2021
1	Rogers Park	3.8	3.4	4.6
2	West Ridge	3.4	3.6	2.6
3	Uptown	0.6	0.5	1.3
4	Lincoln Square	1.3	0.8	2.1
5	North Center	0.4	0.2	0.0
6	Lake View	0.2	0.2	0.1
7	Lincoln Park	0.1	0.0	0.0
8	Near North Side	0.4	0.3	1.0
9	Edison Park	0.0	0.0	1.1
10	Norwood Park	0.0	0.8	0.0
11	Jefferson Park	2.2	1.9	0.5
12	Forest Glen	0.0	1.0	1.1
13	North Park	1.6	1.6	2.6
14	Albany Park	3.3	3.1	2.4
15	Portage Park	1.9	1.6	1.1
16	Irving Park	1.8	1.6	0.9
17	Dunning	1.1	1.0	0.9
18	Montclare	0.0	0.0	0.0
19	Belmont Cragin	1.9	2.2	2.1
20	Hermosa	2.2	2.6	3.0
21	Avondale	0.6	2.5	1.9
22	Logan Square	0.9	1.2	1.3
23	Humboldt Park	3.3	3.1	3.0
24	West Town	0.9	0.7	0.8
25	Austin	3.9	4.8	5.2
26	West Garfield Park	5.2	4.7	3.4
27	East Garfield Park	1.9	3.3	3.8
28	Near West Side	0.8	0.7	0.7
29	North Lawndale	5.4	4.2	3.7
30	South Lawndale	5.1	5.5	4.9
31	Lower West Side	2.6	4.0	3.2
32	Loop	0.6	0.0	0.0
33	Near South Side	0.0	0.0	0.4
34	Armour Square	0.0	0.0	1.0
35	Douglas	0.9	1.9	0.6
36	Oakland	0.0	1.3	0.0
37	Fuller Park	17.5	4.8	5.9
38	Grand Boulevard	1.2	1.1	1.6
39	Kenwood	0.9	1.1	0.0
40	Washington Park	3.1	1.7	0.6
41	Hyde Park	0.8	1.8	1.6

	Community Area		5+ μg/dL (percent)	
		2019	2020	2021
42	Woodlawn	1.0	2.3	3.3
43	South Shore	4.2	2.9	4.6
44	Chatham	4.9	3.9	2.5
45	Avalon Park	2.2	4.2	3.1
46	South Chicago	7.1	5.5	3.6
47	Burnside	0.0	0.0	0.0
48	Calumet Heights	2.0	2.7	1.0
49	Roseland	4.2	5.4	2.3
50	Pullman	9.0	3.6	5.1
51	South Deering	1.9	0.0	2.9
52	East Side	1.6	3.6	2.1
53	West Pullman	3.6	3.9	4.4
54	Riverdale	0.7*	0.0*	0.8*
55	Hegewisch	2.6	0.0	0.0
56	Garfield Ridge	0.7	0.0	0.8
57	Archer Heights	2.3	1.1	2.3
58_	Brighton Park	1.6	3.4	3.2
59	McKinley Park	2.3	2.0	1.3
60	Bridgeport	0.5	0.9	0.4
61	New City	4.3	5.1	4.4
62	West Elsdon	2.5	0.0	0.0
63	Gage Park	2.7	2.9	3.6
64	Clearing	1.0	0.6	0.6
65	West Lawn	0.7	1.1	1.8
66	Chicago Lawn	4.2	3.5	2.2
67	West Englewood	5.9	8.9	6.9
68	Englewood	6.8	6.5	6.4
69	Gr. Grand Crossing	3.7	2.6	4.9
70	Ashburn	0.6	1.9	1.2
71	Auburn Gresham	5.6	4.1	4.0
72	Beverly	0.9	0.9	1.6
73	Washington Heights	3.4	2.6	2.5
74	Mount Greenwood	0.0	0.0	1.4
75	Morgan Park	2.5	1.7	0.8
76	O'Hare	2.1	0.8	2.2
77	Edgewater	1.6	1.0	0.8
CHIC	AGO TOTAL ¹	2.4	2.3	2.3

 $\textbf{Source:} \ \textit{Healthy Homes and Lead Poisoning Prevention Surveillance System, Illinois Department of Public Health}$

Most community areas have similar prevalence of blood lead levels 5 μ g/dL or greater over time from 2019 to 2021. Reductions in testing in 2020 and 2021 concurrent with the COVID-19 pandemic make comparisons to 2019 more uncertain. Darker red indicates higher prevalence.

 $^{{\}tt *These}\ values\ are\ inaccurate\ because\ blood\ lead\ level\ test\ result\ reporting\ to\ Chicago\ Department\ of\ Public\ Health\ for\ community\ area\ 54\ (Riverdale)\ is\ incomplete.$

TABLE A.3

Renter-occupied housing built before 1940, as counts and percentage of all occupied housing, by community area, 2016-2020*

1 Rogers Park 24,916 8,007 32% 2 West Ridge 25,869 5,418 21% 3 Uptown 30,970 8,624 28% 4 Lincoln Square 18,481 5,586 30% 5 North Center 14,237 3,170 22% 6 Lake View 53,490 12,315 23% 7 Lincoln Park 32,020 6,533 20% 8 Near North Side 59,093 4,893 8% 9 Edison Park 4,461 28 1% 10 Norwood Park 16,916 1,032 6% 11 Jefferson Park 10,521 1,185 11% 12 Forest Glen 7,082 142 2% 13 North Park 6,728 1,229 18% 14 Albany Park 16,732 6,537 39% 15 Portage Park 22,569 4,508 20% <t< th=""><th></th><th>Community Area</th><th>Housing units</th><th>Pre-1940 rental (count)</th><th>Pre-1940 rental (percent)</th></t<>		Community Area	Housing units	Pre-1940 rental (count)	Pre-1940 rental (percent)
3 Uptown 30,970 8,624 28%	1	Rogers Park	24,916	8,007	32%
4 Lincoln Square 18,481 5,586 30% 5 North Center 14,237 3,170 22% 6 Lake View 53,490 12,315 23% 7 Lincoln Park 32,020 6,533 20% 8 Near North Side 59,093 4,893 8% 9 Edison Park 4,461 28 1% 10 Norwood Park 16,916 1,032 6% 11 Jefferson Park 10,521 1,185 11% 12 Forest Glen 7,082 142 2% 13 North Park 6,728 1,229 18% 14 Albany Park 16,782 6,537 39% 15 Portage Park 22,569 4,508 20% 16 Irving Park 20,916 6,098 30% 17 Dunning 15,886 676 4% Montclare 4,612 389 8% 19 Be	2	West Ridge	25,869	5,418	21%
5 North Center 14,237 3,170 22% 6 Lake View 53,490 12,315 23% 7 Lincoln Park 32,020 6,533 20% 8 Near North Side 59,093 4,893 8% 9 Edison Park 4,461 28 1% 10 Norwood Park 16,916 1,032 6% 11 Jefferson Park 10,521 1,185 11% 12 Forest Glen 7,082 142 2% 13 North Park 6,728 1,229 18% 14 Albany Park 16,782 6,537 39% 15 Portage Park 22,569 4,508 20% 16 Irving Park 20,916 6,098 30% 17 Dunning 15,886 676 4% 18 Montclare 4,612 389 8% 19 Belmont Cragin 22,723 5,434 24% 2	3	Uptown	30,970	8,624	28%
6 Lake View 53,490 12,315 23% 7 Lincoln Park 32,020 6,533 20% 8 Near North Side 59,093 4,893 8% 9 Edison Park 4,461 28 1% 10 Norwood Park 16,916 1,032 6% 11 Jefferson Park 10,521 1,185 11% 12 Forest Glen 7,082 142 2% 13 North Park 6,728 1,229 18% 14 Albany Park 16,782 6,537 39% 15 Portage Park 22,569 4,508 20% 16 Irving Park 20,916 6,098 30% 17 Dunning 15,886 676 4% 18 Montclare 4,612 389 8% 19 Belmont Cragin 22,723 5,434 24% 20 Hermosa 7,178 2,475 34% 21 <td>4</td> <td>Lincoln Square</td> <td>18,481</td> <td>5,586</td> <td>30%</td>	4	Lincoln Square	18,481	5,586	30%
7 Lincoln Park 32,020 6,533 20% 8 Near North Side 59,093 4,893 8% 9 Edison Park 4,461 28 1% 10 Norwood Park 16,916 1,032 6% 11 Jefferson Park 10,521 1,185 11% 12 Forest Glen 7,082 142 2% 13 North Park 6,728 1,229 18% 14 Albany Park 16,782 6,537 39% 15 Portage Park 22,569 4,508 20% 16 Irving Park 20,916 6,098 30% 17 Dunning 15,886 676 4% 18 Montclare 4,612 389 8% 19 Belmont Cragin 22,723 5,434 24% 20 Hermosa 7,178 2,475 34% 21 Avondale 13,735 4,804 35% 22	5	North Center	14,237	3,170	22%
8 Near North Side 59,093 4,893 8% 9 Edison Park 4,461 28 1% 10 Norwood Park 16,916 1,032 6% 11 Jefferson Park 10,521 1,185 11% 12 Forest Glen 7,082 142 2% 13 North Park 6,728 1,229 18% 14 Albany Park 16,782 6,537 39% 15 Portage Park 22,569 4,508 20% 16 Irving Park 20,916 6,098 30% 17 Dunning 15,886 676 4% 18 Montclare 4,612 389 8% 19 Belmont Cragin 22,723 5,434 24% 20 Hermosa 7,178 2,475 34% 21 Avondale 13,735 4,804 35% 22 Logan Square 31,191 12,075 39% 23 <td>6</td> <td>Lake View</td> <td>53,490</td> <td>12,315</td> <td>23%</td>	6	Lake View	53,490	12,315	23%
9 Edison Park 4,461 28 1% 10 Norwood Park 16,916 1,032 6% 11 Jefferson Park 10,521 1,185 11% 12 Forest Glen 7,082 142 2% 13 North Park 6,728 1,229 18% 14 Albany Park 16,782 6,537 39% 15 Portage Park 22,569 4,508 20% 16 Irving Park 20,916 6,098 30% 17 Dunning 15,886 676 4% 18 Montclare 4,612 389 8% 19 Belmott Cragin 22,723 5,434 24% 20 Hermosa 7,178 2,475 34% 21 Avondale 13,735 4,804 35% 22 Logan Square 31,191 12,075 39% 23 Humboldt Park 17,767 5,843 33% 24 <td>7</td> <td>Lincoln Park</td> <td></td> <td></td> <td>20%</td>	7	Lincoln Park			20%
10 Norwood Park 16,916 1,032 6% 11 Jefferson Park 10,521 1,185 11% 12 Forest Glen 7,082 142 2% 13 North Park 6,728 1,229 18% 14 Albany Park 16,782 6,537 39% 15 Portage Park 22,569 4,508 20% 16 Irving Park 20,916 6,098 30% 17 Dunning 15,886 676 4% 18 Montclare 4,612 389 8% 19 Belmont Cragin 22,723 5,434 24% 20 Hermosa 7,178 2,475 34% 21 Avondale 13,735 4,804 35% 22 Logan Square 31,191 12,075 39% 23 Humboldt Park 17,767 5,843 33% 24 West Town 38,269 11,698 31%	8	Near North Side	59,093	4,893	8%
11 Jefferson Park 10,521 1,185 11% 12 Forest Glen 7,082 142 2% 13 North Park 6,728 1,229 18% 14 Albany Park 16,782 6,537 39% 15 Portage Park 22,569 4,508 20% 16 Irving Park 20,916 6,098 30% 17 Dunning 15,886 676 4% 18 Montclare 4,612 389 8% 19 Belmont Cragin 22,723 5,434 24% 20 Hermosa 7,178 2,475 34% 21 Avondale 13,735 4,804 35% 22 Logan Square 31,191 12,075 39% 23 Humboldt Park 17,767 5,843 33% 24 West Town 38,269 11,698 31% 25 Austin 33,461 8,973 27% 26 <td>9</td> <td>Edison Park</td> <td>4,461</td> <td>28</td> <td>1%</td>	9	Edison Park	4,461	28	1%
12 Forest Glen 7,082 142 2% 13 North Park 6,728 1,229 18% 14 Albany Park 16,782 6,537 39% 15 Portage Park 22,569 4,508 20% 16 Irving Park 20,916 6,098 30% 17 Dunning 15,886 676 4% 18 Montclare 4,612 389 8% 19 Belmont Cragin 22,723 5,434 24% 20 Hermosa 7,178 2,475 34% 21 Avondale 13,735 4,804 35% 22 Logan Square 31,91 12,075 39% 23 Humboldt Park 17,767 5,843 33% 24 West Town 38,269 11,698 31% 25 Austin 33,461 8,973 2,7% 26 West Garfield Park 5,473 2,249 41% 27 East Garfield Park 6,855 2,112 31% 28	10	Norwood Park		1,032	6%
12 Forest Glen 7,082 142 2% 13 North Park 6,728 1,229 18% 14 Albany Park 16,782 6,537 39% 15 Portage Park 22,569 4,508 20% 16 Irving Park 20,916 6,098 30% 17 Dunning 15,886 676 4% 18 Montclare 4,612 389 8% 19 Belmont Cragin 22,723 5,434 24% 20 Hermosa 7,178 2,475 34% 21 Avondale 13,735 4,804 35% 22 Logan Square 31,191 12,075 39% 23 Humboldt Park 17,767 5,843 33% 24 West Town 38,269 11,698 31% 25 Austin 33,461 8,973 2,7% 26 West Garfield Park 5,473 2,249 41% 27 East Garfield Park 6,855 2,112 31% 28	11	Jefferson Park	10,521	1,185	11%
14 Albany Park 16,782 6,537 39% 15 Portage Park 22,569 4,508 20% 16 Irving Park 20,916 6,098 30% 17 Dunning 15,886 676 4% 18 Montclare 4,612 389 8% 19 Belmont Cragin 22,723 5,434 24% 20 Hermosa 7,178 2,475 34% 21 Avondale 13,735 4,804 35% 22 Logan Square 31,191 12,075 39% 23 Humboldt Park 17,767 5,843 33% 24 West Town 38,269 11,698 31% 25 Austin 33,461 8,973 2.7% 26 West Garfield Park 5,473 2,249 41% 27 East Garfield Park 6,855 2,112 31% 28 Near West Side 29,519 3,186 11% 29 North Lawndale 10,690 3,558 33% <td< td=""><td>12</td><td>Forest Glen</td><td>?</td><td>142</td><td>2%</td></td<>	12	Forest Glen	?	142	2%
15 Portage Park 22,569 4,508 20% 16 Irving Park 20,916 6,098 30% 17 Dunning 15,886 676 4% 18 Montclare 4,612 389 8% 19 Belmont Cragin 22,723 5,434 24% 20 Hermosa 7,178 2,475 34% 21 Avondale 13,735 4,804 35% 22 Logan Square 31,191 12,075 39% 23 Humboldt Park 17,767 5,843 33% 24 West Town 38,269 11,698 31% 25 Austin 33,461 8,973 27% 26 West Garfield Park 5,473 2,249 41% 27 East Garfield Park 6,855 2,112 31% 28 Near West Side 29,519 3,186 11% 29 North Lawndale 18,717 5,9515 31%	13	North Park	6,728	1,229	18%
16 Irving Park 20,916 6,098 30% 17 Dunning 15,886 676 4% 18 Montclare 4,612 389 8% 19 Belmont Cragin 22,723 5,434 24% 20 Hermosa 7,178 2,475 34% 21 Avondale 13,735 4,804 35% 22 Logan Square 31,191 12,075 39% 23 Humboldt Park 17,767 5,843 33% 24 West Town 38,269 11,698 31% 25 Austin 33,461 8,973 27% 26 West Garfield Park 5,473 2,249 41% 27 East Garfield Park 6,855 2,112 31% 28 Near West Side 29,519 3,186 11% 29 North Lawndale 10,690 3,558 33% 30 South Lawndale 18,717 5,9515 31%	14	Albany Park	?	6,537	39%
16 Irving Park 20,916 6,098 30% 17 Dunning 15,886 676 4% 18 Montclare 4,612 389 8% 19 Belmont Cragin 22,723 5,434 24% 20 Hermosa 7,178 2,475 34% 21 Avondale 13,735 4,804 35% 22 Logan Square 31,191 12,075 39% 23 Humboldt Park 17,767 5,843 33% 24 West Town 38,269 11,698 31% 25 Austin 33,461 8,973 27% 26 West Garfield Park 5,473 2,249 41% 27 East Garfield Park 6,855 2,112 31% 28 Near West Side 29,519 3,186 11% 29 North Lawndale 10,690 3,558 33% 30 South Lawndale 18,717 5,9515 31%	15	Portage Park	22,569	4,508	20%
17 Dunning 15,886 676 4% 18 Montclare 4,612 389 8% 19 Belmont Cragin 22,723 5,434 24% 20 Hermosa 7,178 2,475 34% 21 Avondale 13,735 4,804 35% 22 Logan Square 31,191 12,075 39% 23 Humboldt Park 17,767 5,843 33% 24 West Town 38,269 11,698 31% 25 Austin 33,461 8,973 27% 26 West Garfield Park 5,473 2,249 41% 27 East Garfield Park 6,855 2,112 31% 28 Near West Side 29,519 3,186 11% 29 North Lawndale 10,690 3,558 33% 30 South Lawndale 18,717 5,9515 31% 31 Lower West Side 12,632 5,120 41% <td>16</td> <td>†</td> <td>20,916</td> <td>6,098</td> <td>30%</td>	16	†	20,916	6,098	30%
19 Belmont Cragin 22,723 5,434 24% 20 Hermosa 7,178 2,475 34% 21 Avondale 13,735 4,804 35% 22 Logan Square 31,191 12,075 39% 23 Humboldt Park 17,767 5,843 33% 24 West Town 38,269 11,698 31% 25 Austin 33,461 8,973 27% 26 West Garfield Park 5,473 2,249 41% 27 East Garfield Park 6,855 2,112 31% 28 Near West Side 29,519 3,186 11% 29 North Lawndale 10,690 3,558 33% 30 South Lawndale 18,717 5,9515 31% 31 Lower West Side 12,632 5,120 41% 32 Loop 13,601 1,890 14% 33 Near South Side 2,432 58 2%	17		15,886	676	4%
19 Belmont Cragin 22,723 5,434 24% 20 Hermosa 7,178 2,475 34% 21 Avondale 13,735 4,804 35% 22 Logan Square 31,191 12,075 39% 23 Humboldt Park 17,767 5,843 33% 24 West Town 38,269 11,698 31% 25 Austin 33,461 8,973 27% 26 West Garfield Park 5,473 2,249 41% 27 East Garfield Park 6,855 2,112 31% 28 Near West Side 29,519 3,186 11% 29 North Lawndale 10,690 3,558 33% 30 South Lawndale 18,717 5,9515 31% 31 Lower West Side 12,632 5,120 41% 32 Loop 13,601 1,890 14% 33 Near South Side 2,432 58 2%	18	Montclare	4,612	389	8%
20 Hermosa 7,178 2,475 34% 21 Avondale 13,735 4,804 35% 22 Logan Square 31,191 12,075 39% 23 Humboldt Park 17,767 5,843 33% 24 West Town 38,269 11,698 31% 25 Austin 33,461 8,973 27% 26 West Garfield Park 5,473 2,249 41% 27 East Garfield Park 6,855 2,112 31% 28 Near West Side 29,519 3,186 11% 29 North Lawndale 10,690 3,558 33% 30 South Lawndale 18,717 5,9515 31% 31 Lower West Side 12,632 5,120 41% 32 Loop 13,601 1,890 14% 33 Near South Side 2,432 58 2% 34 Armour Square 5,454 1,070 20% 35 Douglas 10,140 813 8% <	19	Belmont Cragin	?	5,434	24%
22 Logan Square 31,191 12,075 39% 23 Humboldt Park 17,767 5,843 33% 24 West Town 38,269 11,698 31% 25 Austin 33,461 8,973 27% 26 West Garfield Park 5,473 2,249 41% 27 East Garfield Park 6,855 2,112 31% 28 Near West Side 29,519 3,186 11% 29 North Lawndale 10,690 3,558 33% 30 South Lawndale 18,717 5,9515 31% 31 Lower West Side 12,632 5,120 41% 32 Loop 13,601 1,890 14% 33 Near South Side 2,432 58 2% 34 Armour Square 5,454 1,070 20% 35 Douglas 10,140 813 8% 36 Oakland 3,144 131 4%	20				34%
23 Humboldt Park 17,767 5,843 33% 24 West Town 38,269 11,698 31% 25 Austin 33,461 8,973 27% 26 West Garfield Park 5,473 2,249 41% 27 East Garfield Park 6,855 2,112 31% 28 Near West Side 29,519 3,186 11% 29 North Lawndale 10,690 3,558 33% 30 South Lawndale 18,717 5,9515 31% 31 Lower West Side 12,632 5,120 41% 32 Loop 13,601 1,890 14% 33 Near South Side 2,432 58 2% 34 Armour Square 5,454 1,070 20% 35 Douglas 10,140 813 8% 36 Oakland 3,144 131 4%	21	Avondale	13,735	4,804	35%
24 West Town 38,269 11,698 31% 25 Austin 33,461 8,973 27% 26 West Garfield Park 5,473 2,249 41% 27 East Garfield Park 6,855 2,112 31% 28 Near West Side 29,519 3,186 11% 29 North Lawndale 10,690 3,558 33% 30 South Lawndale 18,717 5,9515 31% 31 Lower West Side 12,632 5,120 41% 32 Loop 13,601 1,890 14% 33 Near South Side 2,432 58 2% 34 Armour Square 5,454 1,070 20% 35 Douglas 10,140 813 8% 36 Oakland 3,144 131 4%	22	Logan Square	31,191	12,075	39%
25 Austin 33,461 8,973 27% 26 West Garfield Park 5,473 2,249 41% 27 East Garfield Park 6,855 2,112 31% 28 Near West Side 29,519 3,186 11% 29 North Lawndale 10,690 3,558 33% 30 South Lawndale 18,717 5,9515 31% 31 Lower West Side 12,632 5,120 41% 32 Loop 13,601 1,890 14% 33 Near South Side 2,432 58 2% 34 Armour Square 5,454 1,070 20% 35 Douglas 10,140 813 8% 36 Oakland 3,144 131 4%	23		17,767	5,843	33%
26 West Garfield Park 5,473 2,249 41% 27 East Garfield Park 6,855 2,112 31% 28 Near West Side 29,519 3,186 11% 29 North Lawndale 10,690 3,558 33% 30 South Lawndale 18,717 5,9515 31% 31 Lower West Side 12,632 5,120 41% 32 Loop 13,601 1,890 14% 33 Near South Side 2,432 58 2% 34 Armour Square 5,454 1,070 20% 35 Douglas 10,140 813 8% 36 Oakland 3,144 131 4%	24	West Town	38,269	11,698	31%
27 East Garfield Park 6,855 2,112 31% 28 Near West Side 29,519 3,186 11% 29 North Lawndale 10,690 3,558 33% 30 South Lawndale 18,717 5,9515 31% 31 Lower West Side 12,632 5,120 41% 32 Loop 13,601 1,890 14% 33 Near South Side 2,432 58 2% 34 Armour Square 5,454 1,070 20% 35 Douglas 10,140 813 8% 36 Oakland 3,144 131 4%	25	Austin	33,461	8,973	27%
27 East Garfield Park 6,855 2,112 31% 28 Near West Side 29,519 3,186 11% 29 North Lawndale 10,690 3,558 33% 30 South Lawndale 18,717 5,9515 31% 31 Lower West Side 12,632 5,120 41% 32 Loop 13,601 1,890 14% 33 Near South Side 2,432 58 2% 34 Armour Square 5,454 1,070 20% 35 Douglas 10,140 813 8% 36 Oakland 3,144 131 4%	26	West Garfield Park	5,473	2,249	41%
28 Near West Side 29,519 3,186 11% 29 North Lawndale 10,690 3,558 33% 30 South Lawndale 18,717 5,9515 31% 31 Lower West Side 12,632 5,120 41% 32 Loop 13,601 1,890 14% 33 Near South Side 2,432 58 2% 34 Armour Square 5,454 1,070 20% 35 Douglas 10,140 813 8% 36 Oakland 3,144 131 4%	27	East Garfield Park	-		31%
30 South Lawndale 18,717 5,9515 31% 31 Lower West Side 12,632 5,120 41% 32 Loop 13,601 1,890 14% 33 Near South Side 2,432 58 2% 34 Armour Square 5,454 1,070 20% 35 Douglas 10,140 813 8% 36 Oakland 3,144 131 4%	28	Near West Side	29,519	3,186	11%
31 Lower West Side 12,632 5,120 41% 32 Loop 13,601 1,890 14% 33 Near South Side 2,432 58 2% 34 Armour Square 5,454 1,070 20% 35 Douglas 10,140 813 8% 36 Oakland 3,144 131 4%	29	North Lawndale	10,690	3,558	33%
31 Lower West Side 12,632 5,120 41% 32 Loop 13,601 1,890 14% 33 Near South Side 2,432 58 2% 34 Armour Square 5,454 1,070 20% 35 Douglas 10,140 813 8% 36 Oakland 3,144 131 4%	30	South Lawndale	18,717	5,9515	31%
33 Near South Side 2,432 58 2% 34 Armour Square 5,454 1,070 20% 35 Douglas 10,140 813 8% 36 Oakland 3,144 131 4%	31	Lower West Side		5,120	41%
34 Armour Square 5,454 1,070 20% 35 Douglas 10,140 813 8% 36 Oakland 3,144 131 4%	32	Loop	13,601	1,890	14%
35 Douglas 10,140 813 8% 36 Oakland 3,144 131 4%	33	Near South Side	2,432	58	2%
35 Douglas 10,140 813 8% 36 Oakland 3,144 131 4%	34	Armour Square	5.454	1.070	20%
36 Oakland 3,144 131 4%		•			
1 UU/U	37	Fuller Park	1,133	359	32%
38 Grand Boulevard 8,633 1,717 20%					
39 Kenwood 9,834 1,304 13%			-		
40 Washington Park 4,695 1,181 25%			·		
41 Hyde Park 13,676 4,599 34%					
42 Woodlawn 10,985 2,571 23%	-				

	Community Area	Housing units	Pre-1940 rental (count)	Pre-1940 rental (percent)
43	South Shore	23,023	7,123	31%
44	Chatham	14,368	3,136	22%
45	Avalon Park	4,069	275	7%
46	South Chicago	9,579	3,007	31%
47	Burnside	992	118	12%
48	Calumet Heights	5,456	392	7%
49	Roseland	12,360	1,640	13%
50	Pullman	3,317	515	16%
51	South Deering	5,385	1,236	23%
52	East Side	6,981	1,119	16%
53	West Pullman	9,063	1,034	11%
54	Riverdale	2,757	145	5%
55	Hegewisch	3,507	517	15%
56	Garfield Ridge	12,340	440	4%
57	Archer Heights	4,132	398	10%
58	Brighton Park	12,320	3,240	26%
59	McKinley Park	5,366	1,130	21%
60	Bridgeport	12,906	3,549	27%
61	New City	12,171	3,756	31%
62	West Elsdon	5,401	90	2%
63	Gage Park	8,959	1,454	16%
64	Clearing	8,654	519	6%
65	West Lawn	9,176	447	5%
66	Chicago Lawn	16,645	2,303	14%
67	West Englewood	9,449	2,372	25%
68	Englewood	9,166	2,133	23%
69	Gr. Grand Crossing	12,260	3,963	32%
70	Ashburn	12,939	75	1%
71	Auburn Gresham	17,253	2,802	16%
72	Beverly	7,390	264	4%
73	Washington Heights	9,331	802	9%
74	Mount Greenwood	6,945	30	0%
75	Morgan Park	10,589	775	7%
76	O'Hare	7,991	62	1%
77	Edgewater	28,890	7,429	26%
CHIC	AGO TOTAL ¹	1,058,616	223,831	21%

^{*}There is large variation across community areas in the percentage of occupied housing that are older (built before 1940) rental units. The percentage ranges from 0% to 41%. It is unknown how many of those units are occupied by young children at risk of lead exposure from deteriorated lead-based paint. Darker red indicates a higher percentage of higher-risk housing.

