

CARES UPDATE

SPRING 2025

Newsletter
Issue 03

CARES
Expanded to
Southeast Side Chicago





Research Finding

From our Chicago Study

Southeast Side Chicago has endured years of industrial pollution. When elevated levels of airborne manganese (Mn) were identified in the community by the EPA, a local nonprofit, the Southeast Environmental Task Force (SETF), partnered with Dr. Erin Haynes' CARES research team to investigate the potential health impact on children. Over 100 children provided blood, hair, and soil and their parents completed surveys including a measure of child development. Soil manganese in the yards of participants was above levels typically found in the US and yards closer to the Mn industrial sites had higher Mn in the soil.



Our fabulous Chicago CARES team, Consuelo Vargas, RN and Annamarie Garza at the home of Liberty Rose and her dog Mochi.



Team Member Spotlight

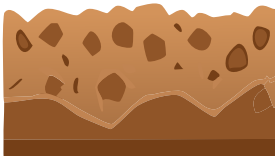
Name:

Christine Kim, PhD

Role:

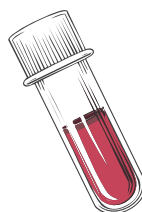
Christine has been a data analyst on the CARES team since 2023. She led the statistical analyses for the Chicago study. When not analyzing data, Christine enjoys barre, hiking, tennis, and reading books at coffee shops.

Fun Fact



7 metals analyzed in soil:

- Manganese
- Lead
- Arsenic
- Cadmium
- Mercury
- Iron
- Copper



4 metals analyzed in blood:

- Manganese
- Lead
- Cadmium
- Mercury



5 metals analyzed in hair:

- Manganese
- Lead
- Arsenic
- Cadmium
- Mercury