

City of Milwaukee Health Department

Home Environmental Health Division Status Update

Public Safety & Health Committee

April 25, 2019



Follow up with Lead Poisoned Children
– *File #181719* –



Reporting



Child tested by primary
care provider



Primary care provider
shares test results with
family

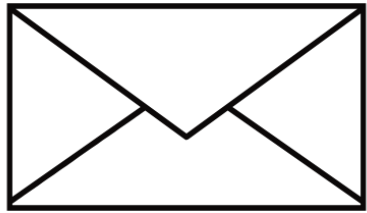


Primary care provider
faxes result to health
department



Health department enters
result into database

Current Interventions



All children under 6 with EBLLs

5 to 19.9 ug/dL

1. Letter with test result and education materials mailed to family. Letter includes follow up testing recommendations.
2. Eligible for free water filter.
3. Eligible for free lead-safe home kit.



Children under 6 with preliminary EBLLs

20 to 39.9 ug/dL

1. Letter with test result and education materials mailed to family.
2. Nurse calls family to encourage follow up testing.
3. Eligible for free water filter.
4. Eligible for free lead-safe home kit.



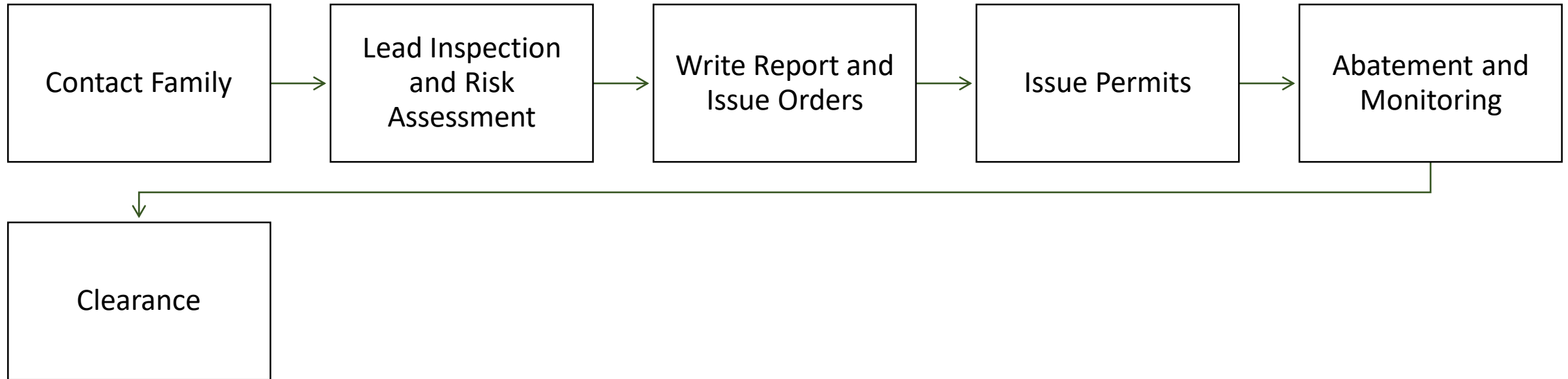
Children under 6 with confirmed EBLLs

20 to 39.9 ug/dL*

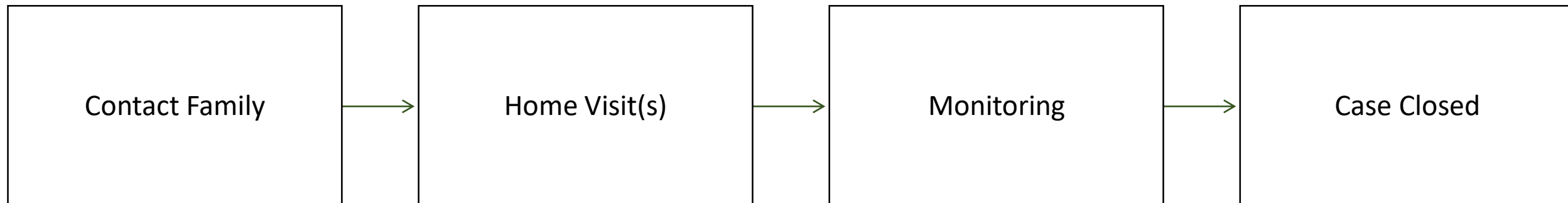
1. Letter with test result and education materials mailed to family.
2. Environmental investigation initiated.
3. Nursing case management services initiated.
4. Eligible for free water filter.
5. Eligible for free lead-safe home kit.

*Or two confirmed BLL ≥ 15 ug/dL at least 90 days apart.

Environmental Investigations



Nursing Case Management



EBLLs by the Numbers

Highest Confirmed or Reported Test			
	2016 (24,266)	2017 (24,678)	2018* (25,432)
Less than 5 ug/dL	21,820	22,154	23,128
5-9 ug/dL	1,785	1,845	1,740
10-14.9 ug/dL	417	383	325
15-19.9 ug/dL	132	147	114
20+ ug/dL	112	149	125

*Preliminary, subject to change as additional tests reported to Health Department

Long-Term Goal

Offer more intensive services to children at lower elevated blood lead levels.

Dependent on: Addressing backlog, enhanced workflow's impact on caseload, and continued funding.

Lead Investigation & Risk Assessment

– *An Overview*–

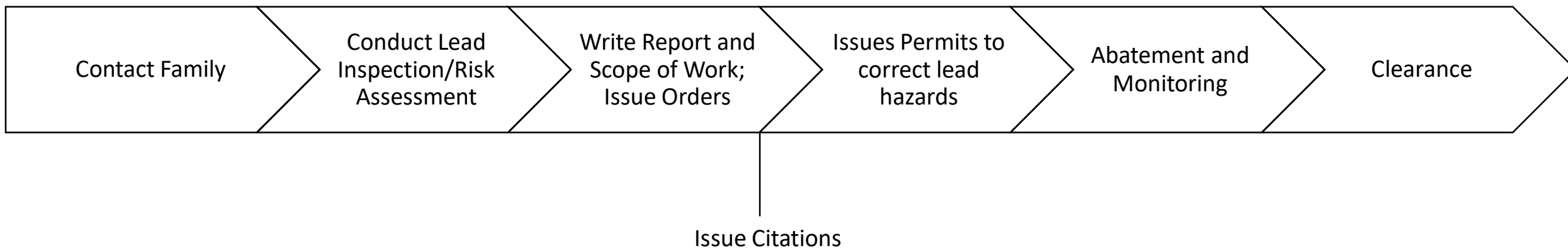


Meet a Certified Lead Risk Assessor

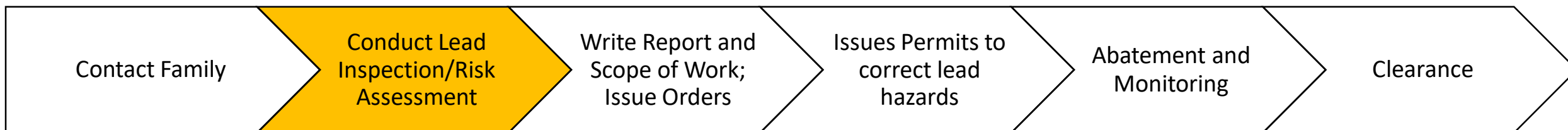


- Provide education on lead hazards to families
- Identify potential lead hazards in the home
- Coordinate the completion of lead abatement activities

LEAD INVESTIGATION PROCESS



LEAD INVESTIGATION PROCESS



ELEMENTS OF A LEAD INVESTIGATION AND RISK ASSESSMENT



Questionnaire



Visual Inspection



Dust Samples



Soil Samples



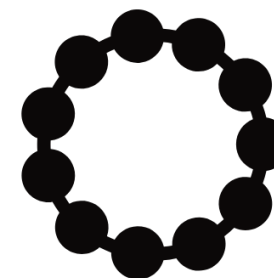
XRF Readings



Water Filter



Interim Controls



Hobbies/Work



COMMON HAZARDS

IN MILWAUKEE HOMES

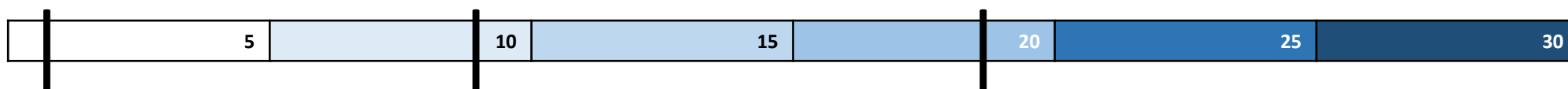
Hazard | WINDOWS



Threshold for Action
1 mg/cm²

Left Window
9 mg/cm²

Left Window
17.4 mg/cm²



XRF Reading | Concentration of Lead (mg/cm²)

Hazard | HOLES IN WALLS

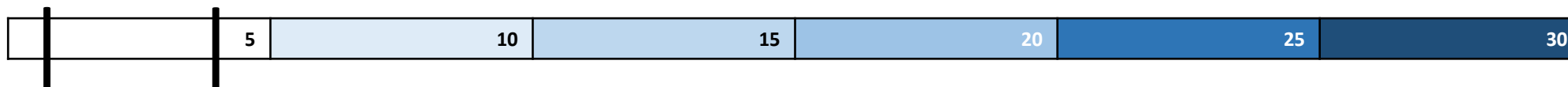
Before



Interim Control



Threshold for Action
1 mg/cm² 4.1 mg/cm²



XRF Reading | Concentration of Lead (mg/cm²)

Hazard | DOOR JAM

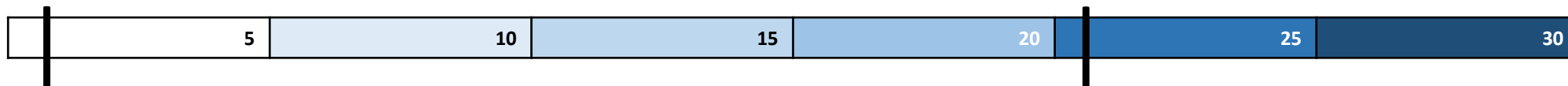
Before



Interim Control



Threshold for Action
1 mg/cm²



21.8 mg/cm²

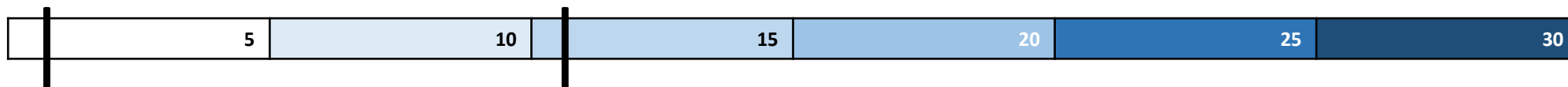
XRF Reading | Concentration of Lead (mg/cm²)

Hazard | INTERIOR CHIPPING/PEELING PAINT



Threshold for Action
1 mg/cm²

Stair
10.7 mg/cm²



XRF Reading | Concentration of Lead (mg/cm²)

Hazard | EXTERIOR CHIPPING/PEELING PAINT

Before, Window



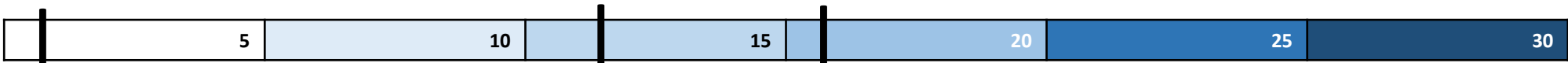
Before, Door Jam



Threshold for Action
1 mg/cm²

Red Window
12.1 mg/cm²

Door Jam
15.8 mg/cm²

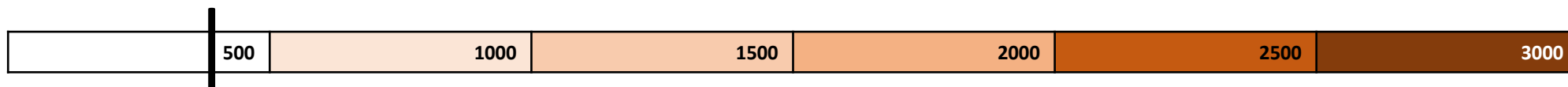


XRF Reading | Concentration of Lead (mg/cm²)

Hazard | EXPOSED SOIL



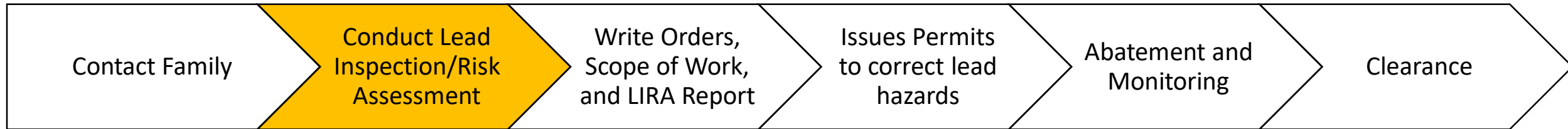
Threshold for Action
400 ppm



5,700 ppm

Soil Sample, Play Area | Concentration of Lead (ppm)

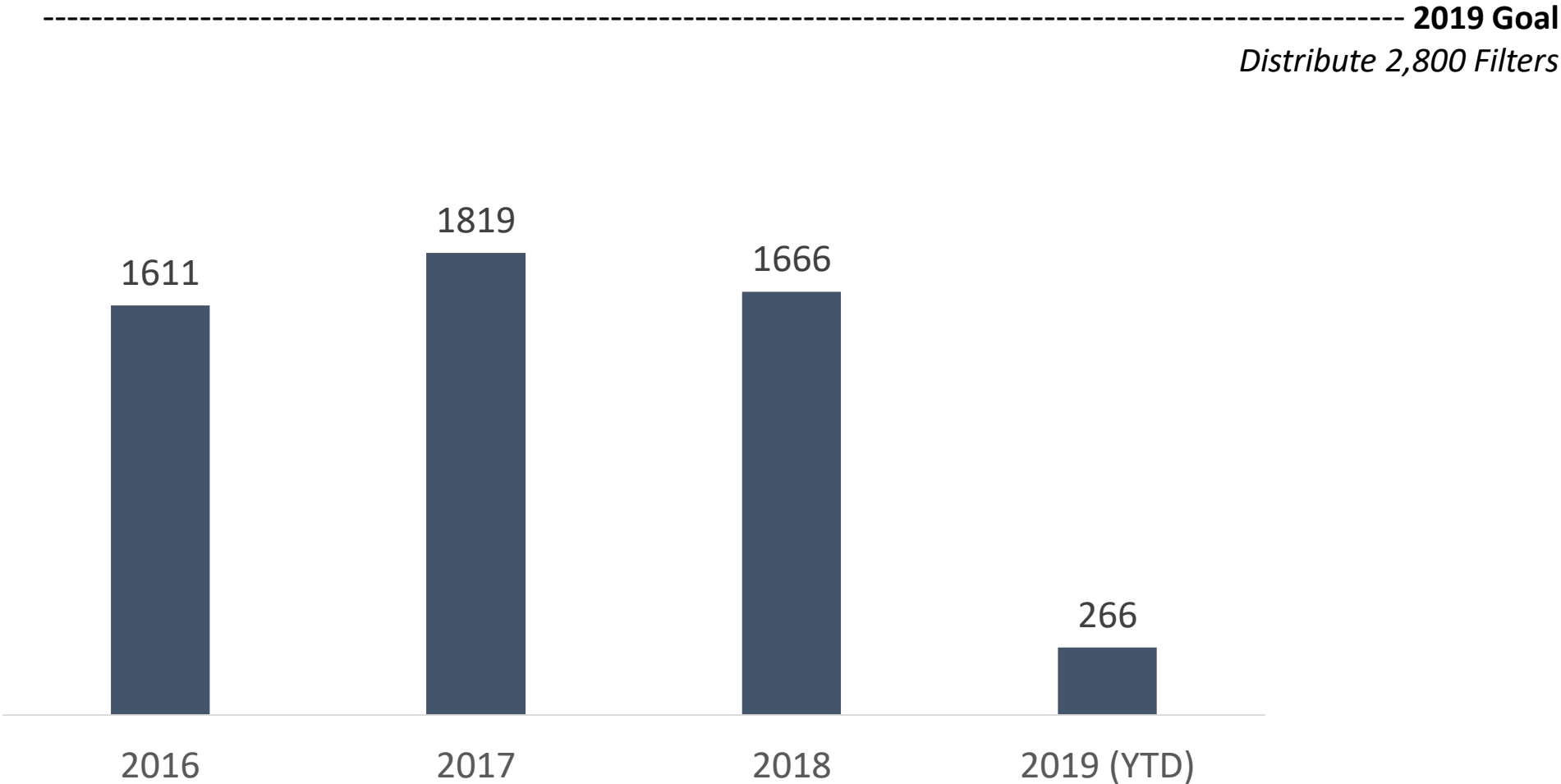
LEAD INVESTIGATION PROCESS



2019 Water Filter Distribution Plan
– *File #181726* –



Filter Distribution



Eligibility

1. Households in the City of Milwaukee with bottle-fed infants; **or**
2. Children with reported elevated blood lead levels greater than 20 ug/dL who live in the City of Milwaukee; **or**
3. State of Wisconsin Licensed or Certified childcare facilities located in the City of Milwaukee; **or**
4. Households in the City of Milwaukee **with a lead service line** and have
 - Children under 6 years of age; **or**
 - Children with blood lead levels greater than 5 ug/dL; **or**
 - Pregnant women or women who may become pregnant; **or**
 - Breastfeeding women.

Distribution Partners

New 2019 partners:

- Habitat for Humanity
- City of Milwaukee Head Start Programs

Continuing partnerships:

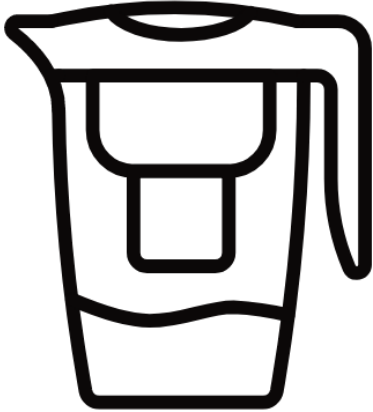
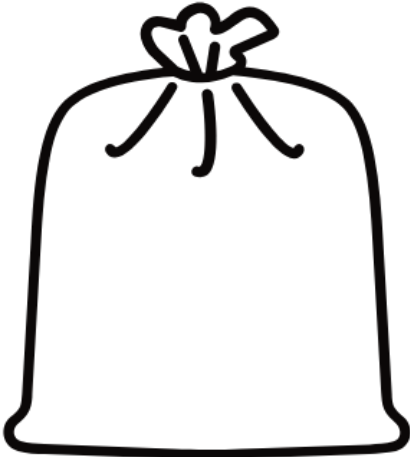
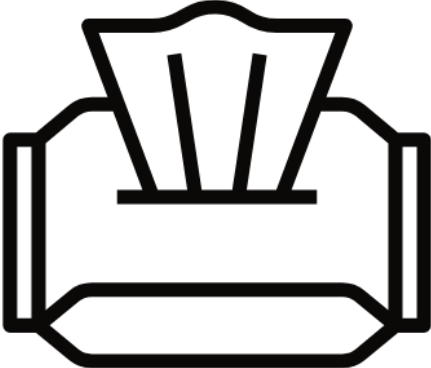
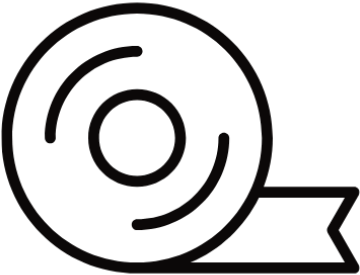
- MHD Programs
- Milwaukee County WIC Programs Service City Residents
- Social Development Commission
- Sixteenth Community Health Centers
- City of Milwaukee Department of City Development

Cartridge Replacement

City of Milwaukee Residents who have already received a POU filtration device are eligible to receive additional replacement cartridges.

Call (414) 286-2165

Lead Safe Home Kits



Lead Safe Videos



MHD Social Media



@MKEHealth



@MKEHealth

Thank You!

www.milwaukee.gov/health

