



WELCOME



Voice for children's health



Children's Health Alliance of Wisconsin



WISCONSIN
ASTHMA
COALITION

★ Children's Health
Alliance of Wisconsin



WISCONSIN
Emergency Medical
Services for Children

★ Children's Health
Alliance of Wisconsin



**Keeping
Kids Alive**
IN WISCONSIN

★ Children's Health
Alliance of Wisconsin



WISCONSIN
**Medical
Home**

★ Children's Health
Alliance of Wisconsin



Oral Health

★ Children's Health
Alliance of Wisconsin

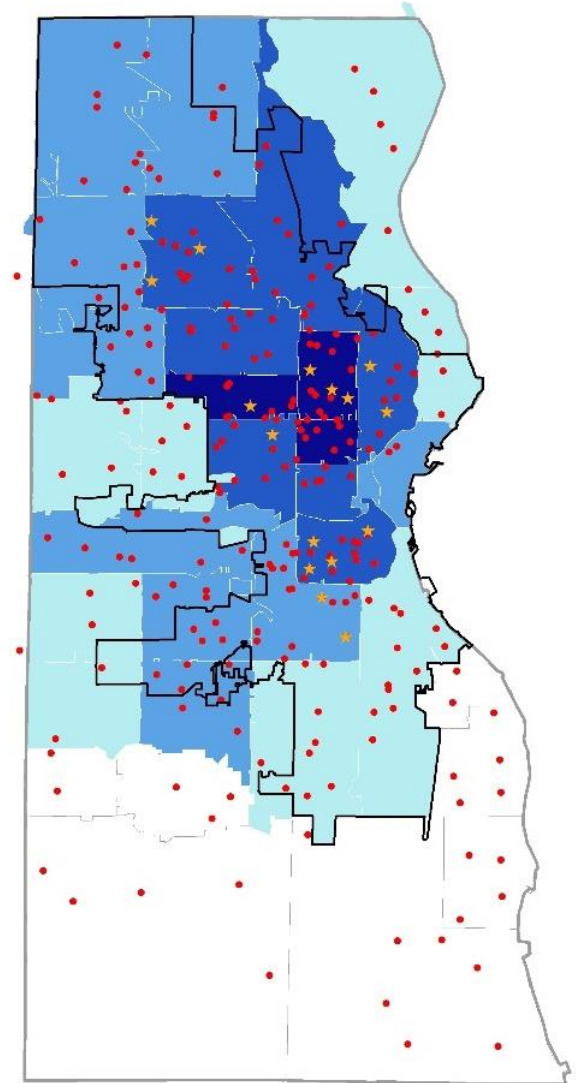


Program background

The problem: Milwaukee's asthma rate is 1 ½ times the statewide rate at 15%, according to the 2020 Wisconsin Asthma Burden Report

The plan: The Alliance's environmental health initiative is partnering with local and state agencies, to improve air quality education and action steps by creating an air quality monitoring network with a focus on measuring outdoor PM 2.5 with Milwaukee Public School District.

The funding: EPA Grant - \$500,000 grant funding for 3 years





Air quality monitoring
and anti-idling program

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Program Manager – Environmental Health
Children's Health Alliance of Wisconsin

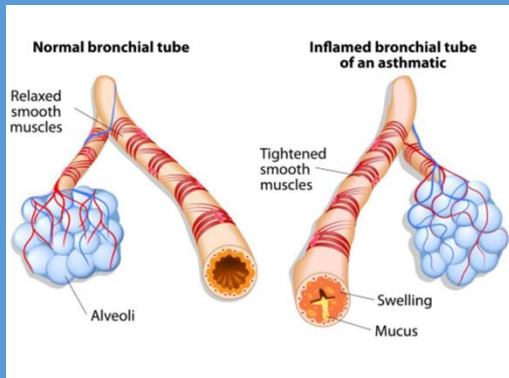
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Why are we measuring air quality and why at schools?

- Environmental inequities identified across Wisconsin
- Only three regulatory air quality monitoring stations, none were located in areas with high asthma burden
- Only recently has air sensor technology been available for wide spread use
- By working with schools directly we can engage with multiple stakeholders
 - Children, families, school nurses, school administrations and community partners can all play a meaningful role

Poor air quality and health: Impacts on children with asthma and families



Health

- Acute Exposure
- Long-term Exposure



Child

- Difficulties engaging at school
- Increase in absences
- Impacts on long term educational achievement



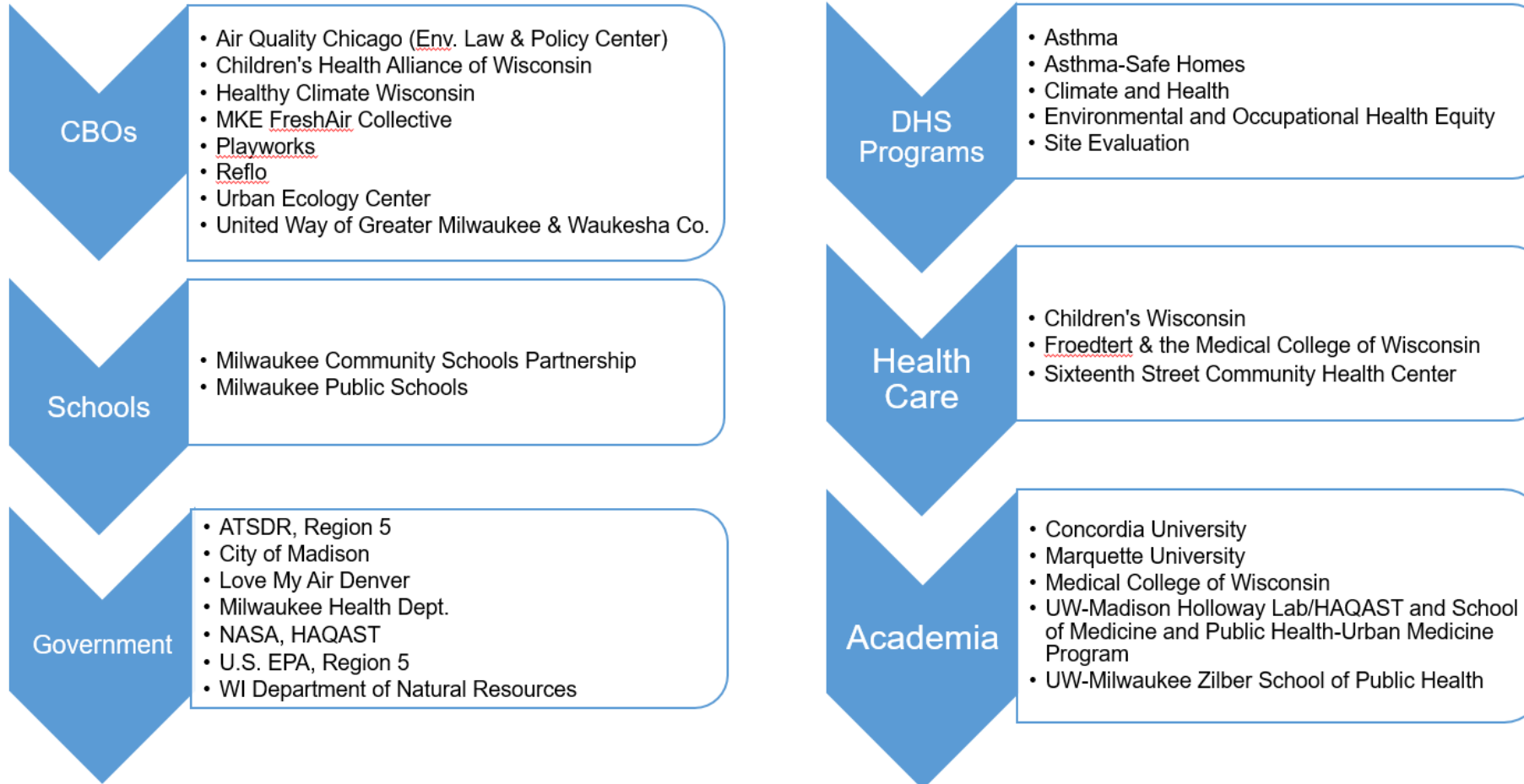
Family

- Time off work
- Financial burdens
- Lost wages

Love My Air Wisconsin Program



Love My Air Wisconsin partners



Program challenges

Current	Future
• Staff turnover at schools and district level • Logistical challenges with equipment • Resource overload • Leveraging data in user friendly manner	• Community Engagement • Sensor durability • Funding for a sustainable statewide program

Uses for satellite data

- Community Scientist – Student Opportunities
 - Provide students with additional tools to enhance their analysis and evaluation of air quality in specific areas
- University partners can access and use data for their programs
- Partner organizations can better analyze and evaluate air quality data for specific locations

For more information or to connect...



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THANK YOU

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