

How are cities different?

- Non-regulatory (most of the time)
- Opportunity to engage directly with community
- Smaller geographically
- More nimble and flexible



Challenges

- **X** Funding
- **X** Expertise
- **X** Capacity





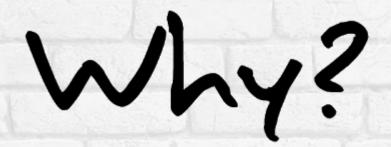


What do you want to do?

"Will a sensor network produce your desired outcomes?"

- New regulations
- Increased community awareness
- Address community concerns
- Data transparency

"Consider what you want to accomplish and design your network accordingly."



>9000 asthmatic students

\$3,100 spent per year per family

\$30,000,000+ spent on asthma in City & County of Denver public school





Annabel Rodriguez-Santos, 8, lies in bed after a long night of getting little sleep. Annabel had an asthma attack during the night.

Health & Fitne

Denver's Air Quality Among Worst In Nation, Report Finds

The American Lung Association has released its annual "State of the Air" report. See what they found for the Denver area.

By Daniel Hampton, Patch Staff

Apr 24, 2019 2:21 pm ET | Updated Apr 24, 2019 2:30 pm







The American Lung Association has released its annual "State of the Air" report. (Doug Pensinger/Getty Images)

Will a new program monitoring air quality at Denver schools make a difference for students?

BY KATI WEIS - JULY 12, 2019



A Denver mother walks her children to Swansea Elementary just north of I-70 in this 2014 file photo.

lovemyair

Love My Air Program Development





- Co-developed with parents, teachers, and nurses
- developed with other cities
- Technology research and development
 - Use case specific but also various co-benefits
 - Flexible and scalable
 - Allows for collaboration: city to city
 - Data transparency and local ownership
- Flexible options/solutions for school communities

"The City of Denver will work to improve air quality by installing cutting-edge air-pollution sensors around schools that will provide data to inform the city's approach to making the air safer for all."





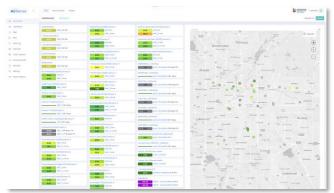


Sensors, Dashboards, Mitigation, Communication





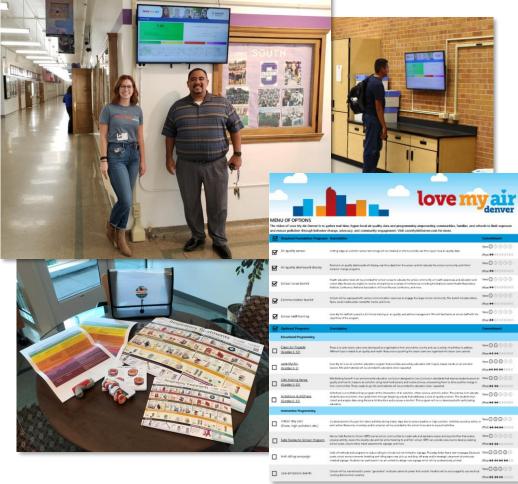


















Thanks!



Michael Ogletree

Air Quality Program Manager, City & County of Denver

Email: Michael.Ogletree@denvergov.org

Phone: 626.533.9214

Program Information: www.LoveMyAirDenver.com

Dashboards: www.LoveMyAir.com







