



ST. MARY'S COUNTY  
HEALTH DEPARTMENT

# BreatheWell St. Mary's

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Joanne Luke

Data/Research Analyst - ORE

# What is BreatheWell St. Mary's

- ❑ Comprehensive air quality monitoring and health education initiative started in 2020
- ❑ A St. Mary's County Equity Taskforce initiative (Partnerships)
- ❑ Outdoor sensors placed across the county that measure particulate matter, ozone, nitrogen dioxide and other pollutants
- ❑ Sharing real time air quality data to the public
- ❑ Goal - lower the health risks associated with poor air quality

# Partnerships



## A St. Mary's County Equity Taskforce Initiative

As well as St. Mary's College of Maryland

# St. Mary's County Public Schools

- ❑ 3 Purple Air Sensors have been placed at each public school in the county
- ❑ Partnered with HackNy to create an interactive dashboard allowing for short and long term access of data sets
- ❑ Created lesson plans allowing the use of sensor data

# Air Quality Trailer

- Houses state of the art EPA grade sensors
- Potential to be used at school demonstrations, science fairs and the county fair

# St. Mary's County Sheriff's Offices

- ❑ Host multiple Purple Air Sensors but at fewer locations around the county
- ❑ Also houses 3 Aeroqual sensors. Each sensor at one of the 3 different Sheriff's buildings
- ❑ Sensor troubleshooting and maintenance

# St. Mary's College of Maryland

- Additional partner
- Host multiple Purple Air Sensors
- Sensor troubleshooting and maintenance
- Environmental justice and air quality science knowledge

# Future Goals of BreatheWell St. Mary's

- Enhance the sensor network by adding sensors to new and existing locations
- Purchase a NOX sensor for the air quality trailer
- Set up an internship program

LEARN ABOUT BreatheWell St. Mary's AT  
<https://smchd.org/breathewell/>

