

Host a Sensor for an Air Quality Study

Pure Air in the Poconos

The Center for Collaborative Heat Monitoring, Sanofi, and Pocono Mountains United Way are working together to learn more about air quality and health in Pennsylvania.

Why should I participate?

By hosting a sensor at your home, you can contribute to a community effort to learn more about how local air quality affects health in your area. You will also receive one year's worth of high-quality data about the indoor and outdoor air in your home, with tailored, actionable recommendations based on the findings.

What is involved in “hosting” a sensor?

- As a host, you will host **two** high-quality, research-grade sensors, one located outside your home and one placed inside your home.
- A researcher will install and remove the sensors.
- The sensors require little to no maintenance.
- Each sensor is about the size of a carry-on suitcase.
- These sensors need access to Wi-Fi and a power outlet to operate.

How long will I host the sensors?

Sensors will remain in place for about one year.

What type of data do the sensors collect?

The sensors we are using for this project collect air temperature, humidity, and air quality (PM2.5) data. The sensors log data and transmit it directly to our researchers. The sensors do not collect any other types of data.

How will the data be used?

The data will be analyzed to identify key insights which will be shared with community members. Your address, location, and your name will all be kept confidential.



Knowledge Check

*If you are not sure about any of these statements PLEASE ask us! It is important that you be able to confirm and agree with all of these statements to participate in this part of the project. Questions? Email ashton.merck@lifeandscience.org.

- ☐ I confirm that **my home has forced air / HVAC** so that I can also participate in our furnace filter exchange.
- ☐ I understand that **one (1) sensor will be installed inside my home and one (1) sensor will be installed outside of my home.**
- ☐ I agree to join a 15-30 minute Zoom call for a **virtual site inspection** to confirm that I have a good location for the outdoor sensor prior to the arrival of the technician in person.
- ☐ I understand that these **sensors need to remain in place for about one year.**
- ☐ I understand that **the sensors need Wi-Fi access to operate.** In order to have Wi-Fi access, I will need to provide my Wi-Fi password to the technician.
- ☐ I understand that **the sensors need access to a power outlet** to operate. I confirm that I have indoor and outdoor power outlets that could be used for this purpose.
- ☐ I agree to **allow a technician to access my home** (both inside and outside) during the installation. The installation should take 10-30 minutes. We ask that you be available for a 1 hour window.
- ☐ If I cannot be home during the scheduled installation window, I agree to make arrangements for the technician to access my home (including arrangements for indoor access).