

How is the Air Treating You?

Thursday, January 19, 2023 7:00-8:00 p.m. ET

Presented by:

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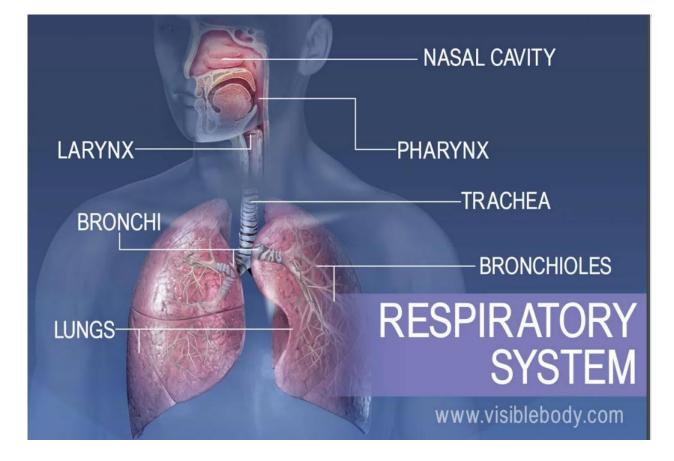
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Objectives

- Attendees will understand basic anatomy and functions of the Respiratory System
- Attendees will learn about "air" issues
- Attendees will be able to list 2-3 conditions that affect the Respiratory System
- Attendees will learn some treatment options
- Attendees will be provided with resources concerning "air" issues



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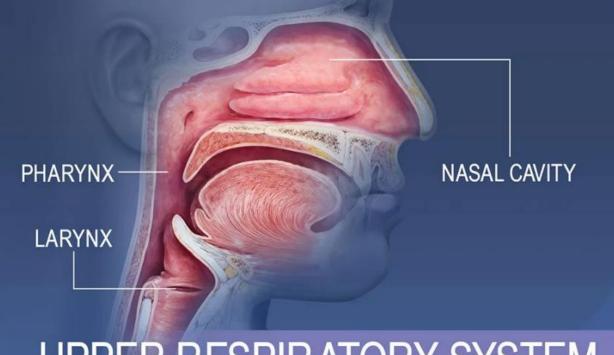


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UPPER RESPIRATORY SYSTEM

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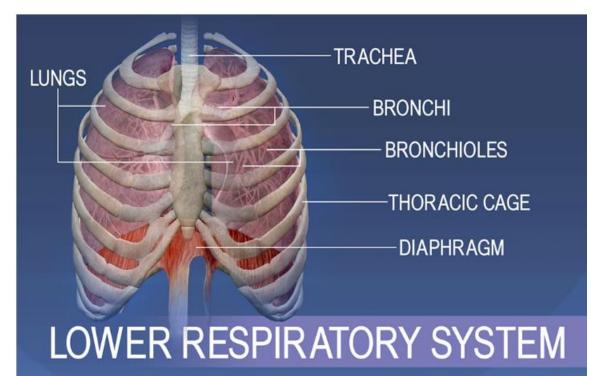


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https://www.biologyonline.com/tutorials/birth-of-a-human-baby

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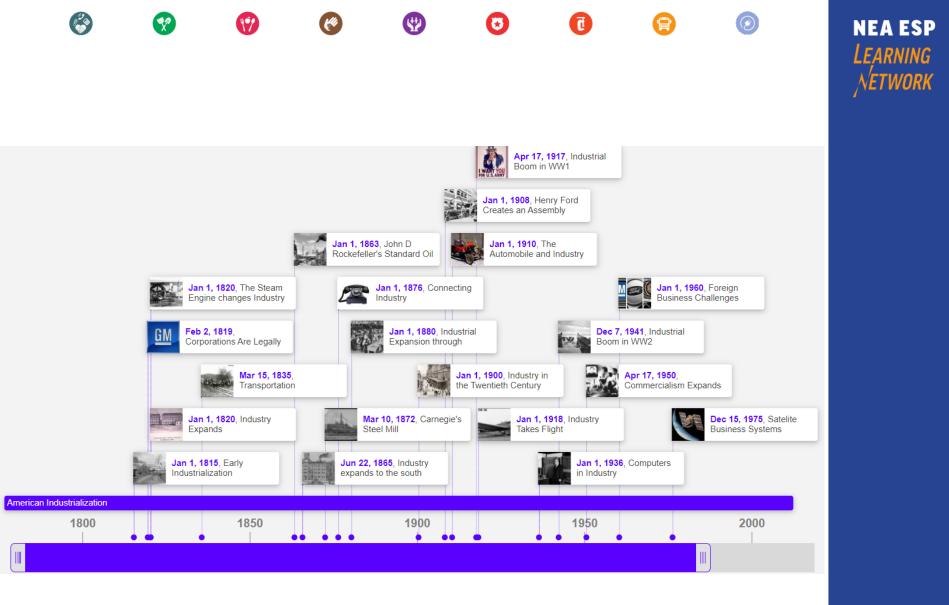


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CORONAVIRUS SYMPTOMS

	COVID-19	Allergies	Influenza	Common Cold
FEVER	соммон		COMMON	SOMETIMES
COUGH	COMMON		COMMON	COMMON
SHORTNESS OF BREATH	соммон			
MUSCLE ACHES	COMMON		COMMON	SOMETIMES
SORE THROAT	SOMETIMES		SOMETIMES	COMMON
DIARRHEA	SOMETIMES		SOMETIMES	
CONGESTION	SOMETIMES	COMMON	SOMETIMES	COMMON
LOSS OF SMELL	SOMETIMES	SOMETIMES	SOMETIMES	SOMETIMES
RUNNY NOSE	SOMETIMES	COMMON	SOMETIMES	SOMETIMES
SNEEZING		COMMON		
ITCHY EYES		COMMON		

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American Academy of Allergy Asthma & Immunology

Source: https://www.cdc.gov/coronavirus/2019-ncov/symptoms-testing/symptoms.html

Symptoms may vary from person to person and may range from mild to severe. Symptoms usually occur from 2-14 days after exposure. If you have a cough with fever or shortness of breath, call your physician's office BEFORE visiting.





Hay Fever

If you sneeze a lot, if your nose is often runny or stuffy, or if your eyes, mouth or skin often feels itchy, you may have allergic rhinitis, a condition that affects 40 million to 60 million Americans.

https://acaai.org/allergies/allergic-conditions/hay-fever/

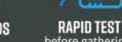
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WEAR A MASK N95, KN95, KF94 or double-mask, especially indoors.

VENTILATE Gather outdoors. If indoors: open windows & doors, use fans & air filters.



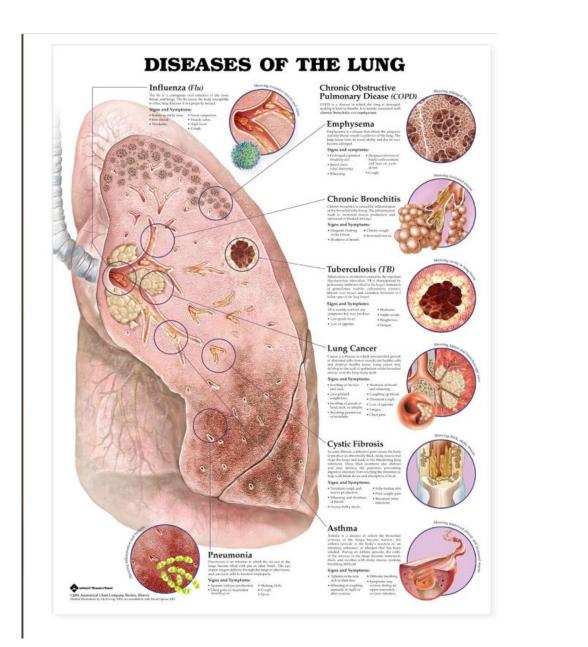
before gathering; stay home if positive or sick and tell your provider.



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Fine particles

pollution can cause:

- Shortness of breath
- · Wheezing, coughing
- Chest pain
- Fatigue

Fine particles can make these conditions **worse**:

- Cardiovascular and heart disease
- Asthma and COPD



Ground-level ozone

pollution can cause:

- Difficulty breathing deeply
- Shortness of breath
- Sore throat
- · Wheezing, coughing
- Fatigue

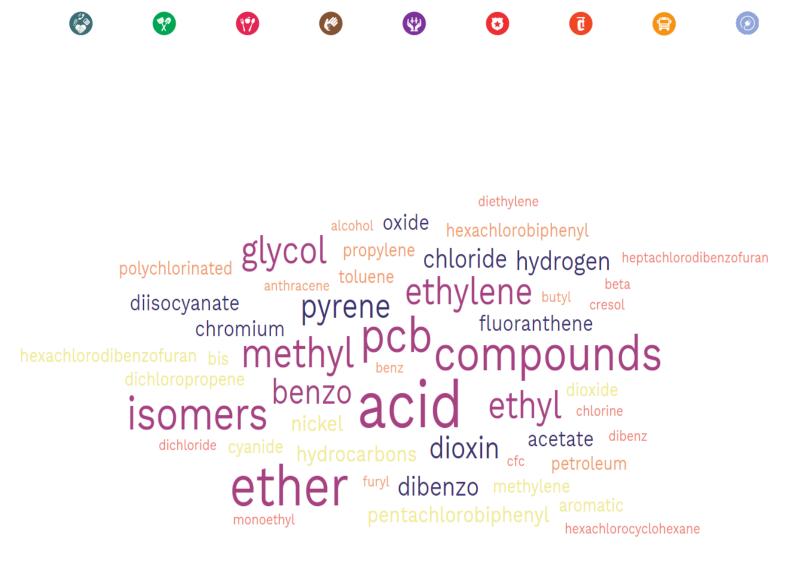
Ozone can make these conditions **worse**:

- Asthma and COPD
- Emphysema

https://www.pca.state.mn.us/air-water-land-climate/air-quality-and-health

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https://www.pca.state.mn.us/air-water-land-climate/air-quality-and-health

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Particle levels can be elevated indoors, especially when outdoor particle levels are high. Certain filters and room air cleaners can help reduce indoor particle levels. You also can reduce particle levels indoors by not smoking inside, and by reducing your use of other particle sources such as candles, wood-burning stoves, and fireplaces.

How can the Air Quality Index help?

In many areas, local media provide **air quality forecasts** telling you when particle levels are expected to be unhealthy. Forecasts use the same format as EPA's Air Quality Index, or AQI, a tool that state and local agencies use to issue public reports of actual levels of particles, ground-level ozone, and other common air pollutants. Using the AQI's color-coded scale, these forecasts help you quickly learn when air pollution is expected to reach unhealthy levels in your area. In the newspaper forecast below, for example, the black arrow points to the "orange" range, indicating that particle levels are expected to be unhealthy for sensitive groups. On television, you might hear a meteorologist say something like this: "Tomorrow will be a code orange air quality day, with particle pollution at levels that are unhealthy for sensitive groups. If you have heart or lung disease, or if you're an older adult or a child, you should plan strenuous activities for a time when air quality is better."



AIR QUALITY INDEX FOR PARTICLE POLLUTION				
Air Quality Index	Air Quality	Health Advisory		
0 to 50	Good	None.		
51 to 100	Moderate	Unusually sensitive people should consider reducing prolonged or heavy exertion.		
101 to 150	Unhealthy for Sensitive Groups	People with heart or lung disease, older adults, and children should reduce prolonged or heavy exertion.		
151 to 200	Unhealthy	People with heart or lung disease, older adults, and children should avoid prolonged or heavy exertion. Everyone else should reduce prolonged or heavy exertion.		
201 to 300	Very Unhealthy	People with heart or lung disease, older adults, and children should avoid all physical activity outdoors. Everyone else should avoid prolonged or heavy exertion.		



Daily air quality and health information are available on the AIRNOW Web site.

AIRNOW

AIRNOW (*www.epa.gov/airnow*) is a Web site that gives daily information about air quality, including ground-level ozone and particles, and how they may affect you. AIRNOW contains:

- Real-time particle levels for many locations.
- Air quality forecasts for many cities across the country.
- Kids' Web page and associated teacher curriculum.
- Smoke Web page.
- Links to state and local air quality programs.
- Ideas about what you can do to reduce particles. For example, you can keep your car, boat, and other engines well-tuned, and avoid using engines that smoke. You can also participate in local energy conservation programs.

*Photo courtesy of The Weather Channel.

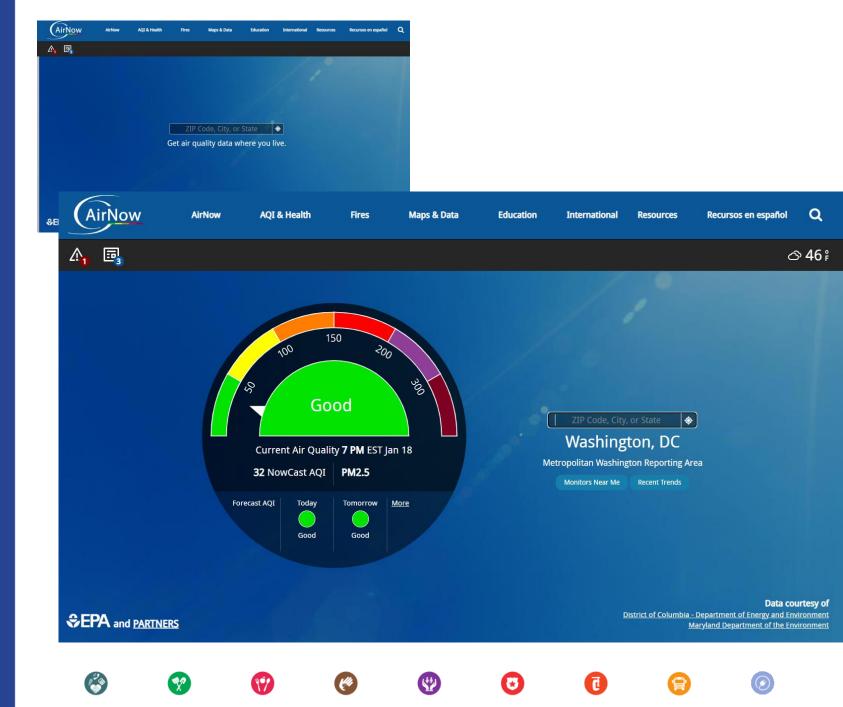
Office of Air and Radiation www.epa.gov/air September 2003 EPA-452/F-03-001

https://www.airnow.gov/sites/default/files/2018-03/pm-color.pdf



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Office of Environmental Justice in Action

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Find out more about what our regional offices are doing for environmental justice in your community!

Region 1 (CT, MA, ME, NH, RI, VT) 5 Post Office Square - Suite 100 Boston, MA 02109 Phone: 617-918-1111

Region 2 (NY, NJ, PR, VI) 290 Broadway, 26th Floor New York, NY 10007 Phone: 212-637-3000

Region 3 (MD, DE, DC, PA, VA, WV) 1650 Arch Street Philadelphia, PA 19103 Phone: 215-814-5000

Region 4 (AL, FL, GA, KY, MS, NC, SC, TN) 61 Forsyth Street, SW Atlanta, GA 30303 Phone: 404-562-9900

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Region 7 (IA, KS, MO, NE) 11201 Renner Blvd. Kansas City, KS 66219 Phone: 913-551-7003

Region 8 (CO, MT, ND, SD, UT, WY) 1595 Wynkoop Street Denver, CO 80202-1129 Phone: 303-312-6312

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