

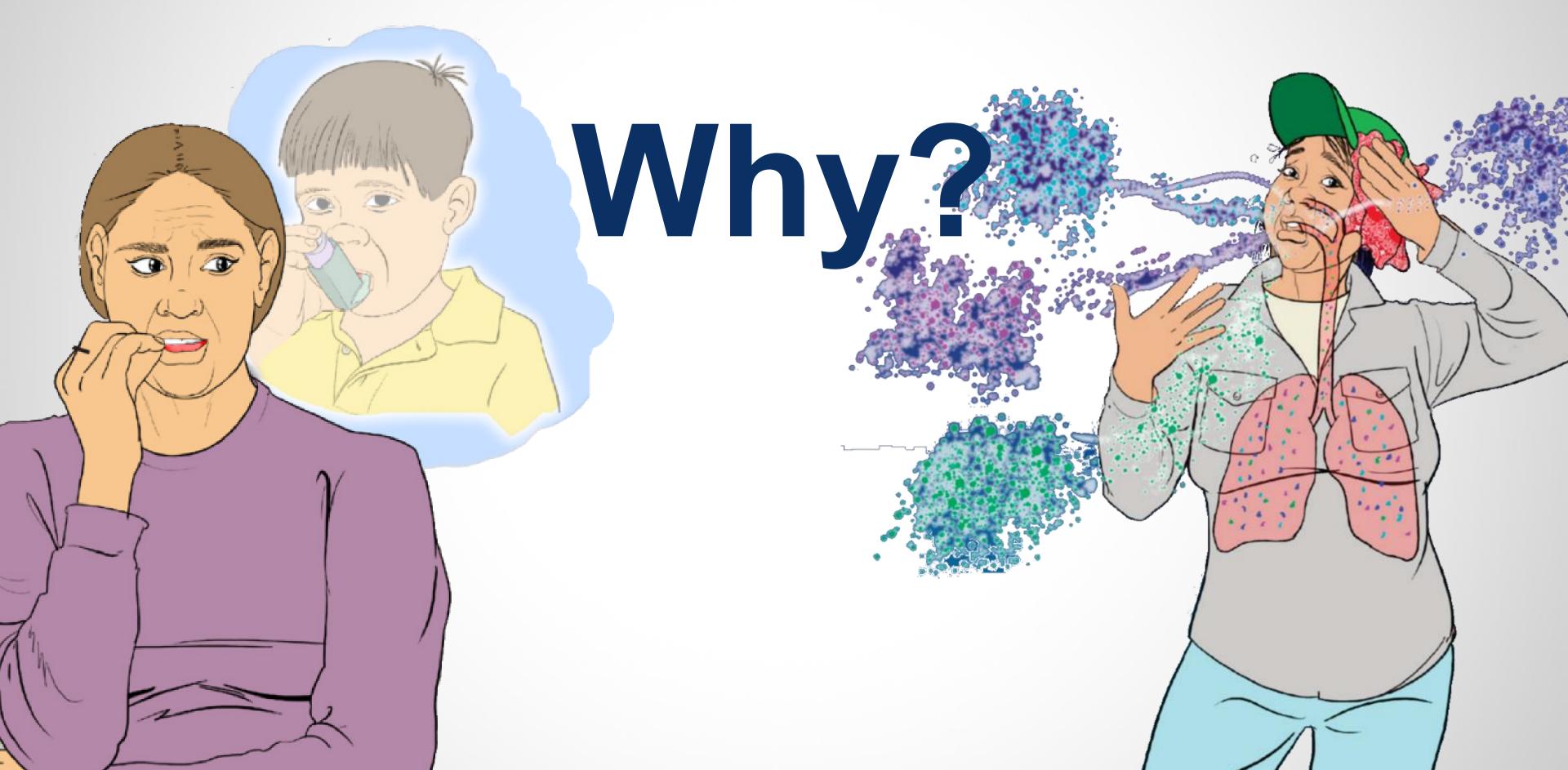
Acknowledgments

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When it's hot out, we can feel it...



... it can also make it hard to breathe.





Heat, together with air pollution, can be dangerous.

It can make it hard to breathe.

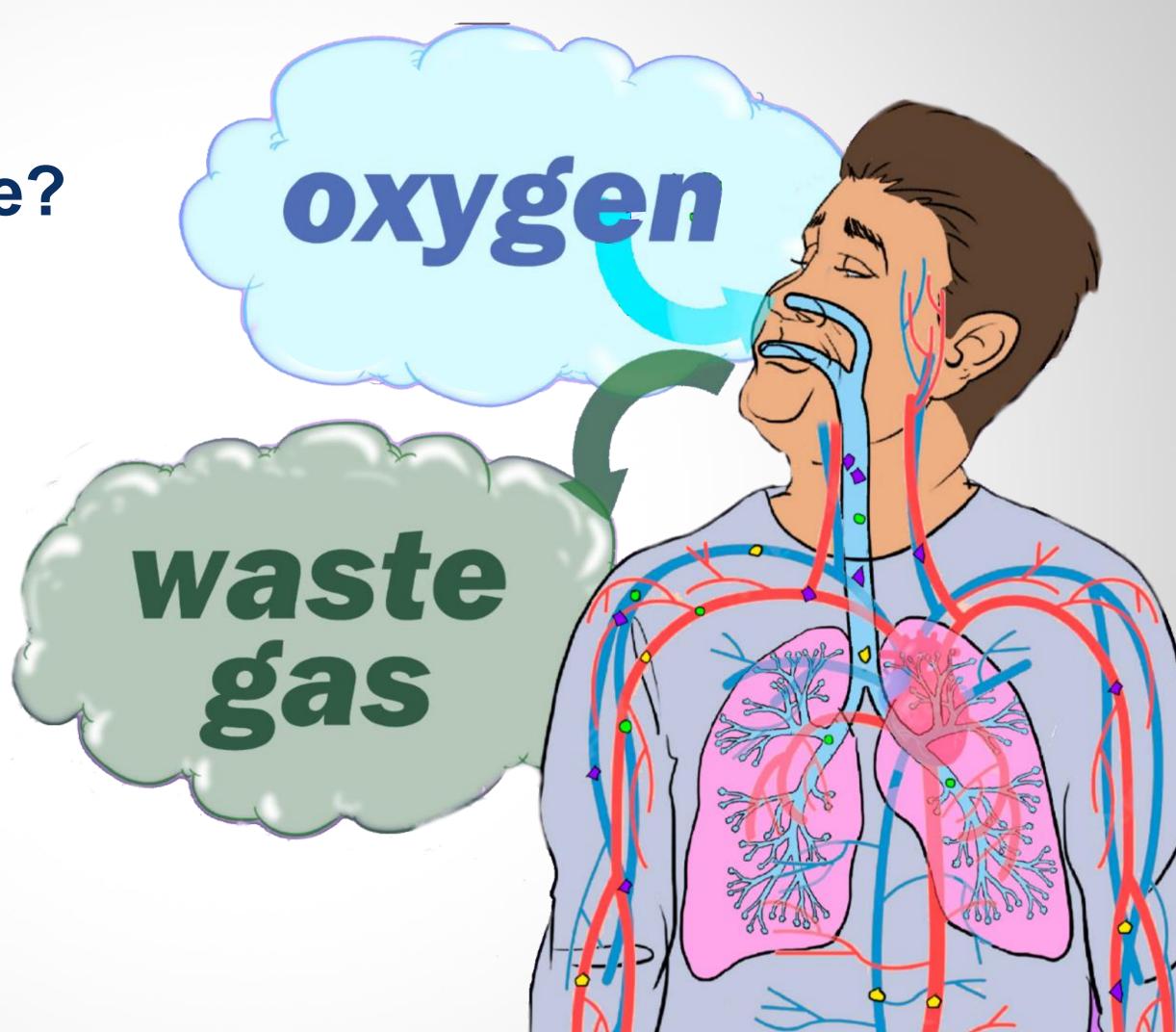
How can the air we breathe affect our health?

How do we breathe?

 We take oxygen into our lungs from the air around us.

 It crossed from our lungs to our bloodstream and travels around our entire body.

We breathe out unwanted gases.





What is in the air we breathe?

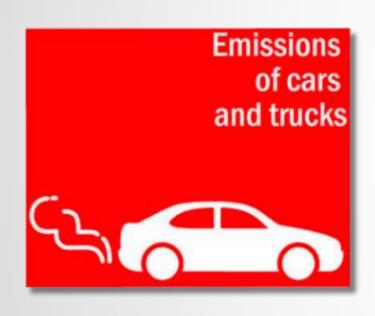
Chemicals, dust and very small particles floating around the air we breathe can enter through our nose and mouth and get to our lungs.

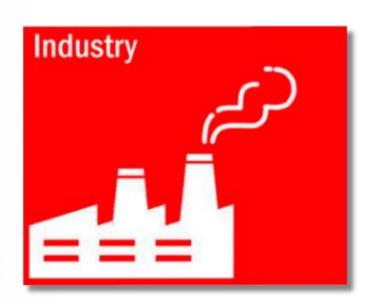
Small particles are also known as PM 2.5... they are much smaller than a grain of sand or the tip of a pin!

But where do the chemicals & pollution in the air come from?



Where do the chemicals & pollution in the air come from?







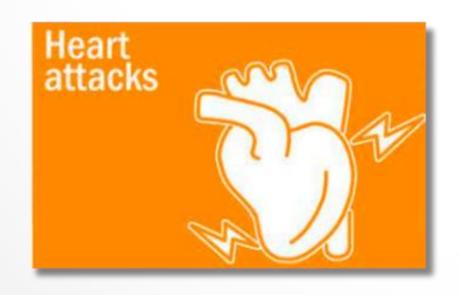


How can chemicals & pollution in the air affect my health?











What are some prevention strategies to lower my exposure to chemicals & pollution?

Review the local air quality if the levels are high.











Exposures to PM 2.5 at work







What are other air pollutants that can affect my health?

- Mold: a fungus that grows in damp, warm places, and areas with leaks and humidity. It releases tiny spores into the air. If we breathe them in over and over, they can irritate our lungs and cause health problems.
- Strong chemicals like bleach or special mold-killing sprays help stop mold from growing, but they also release harmful fumes into the air.

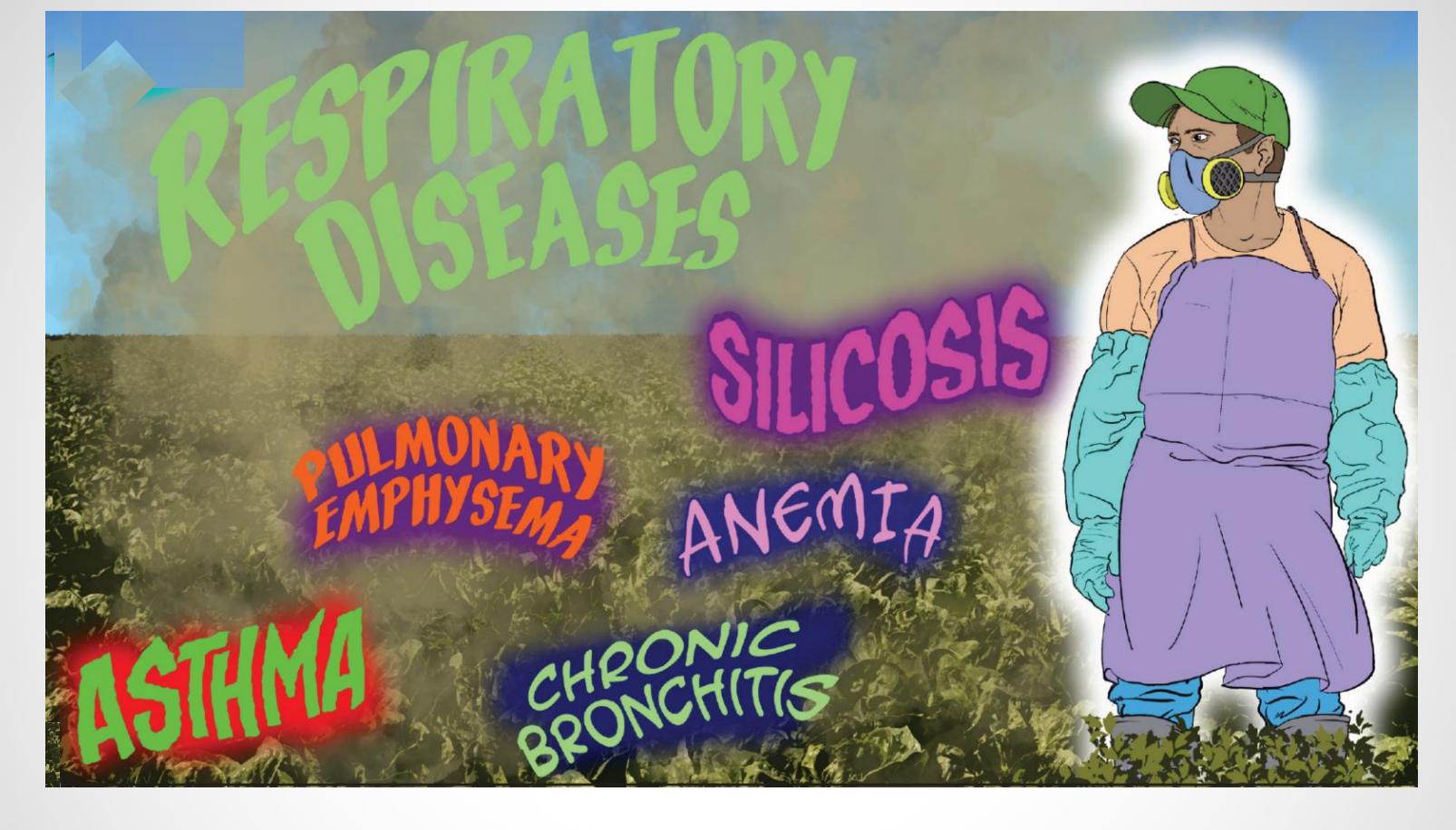


How does climate change impact air quality?

- As the global temperatures increase, disasters will happen more often and with increased strength.
- Air quality is greatly affected because these events release more pollutants into the air, making air quality worse and putting workers at greater risk.



THE SMOKE FROM WILDFIRES IS A MIXTURE OF GAS AND SMALL PARTICLES WITH ASH.



Long term exposure can lead to serious health problems.



How can we protect ourselves?

Let's learn about the Air Quality Index (AQI) and N95 or KN95 Respirators.



301-500

Hazardous

201-300

Very unhealthy

151-200

Unhealthy

101-150

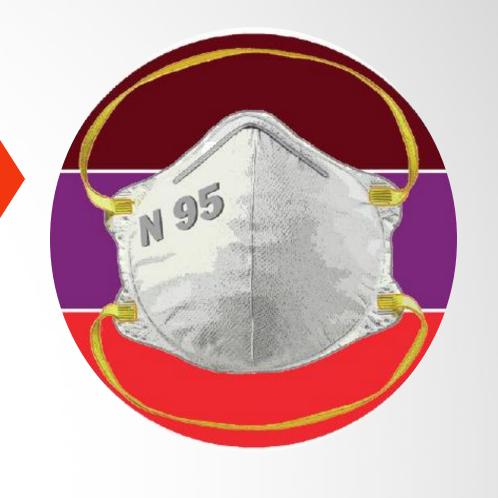
Unhealthy for sensitive groups

51-100

Moderate

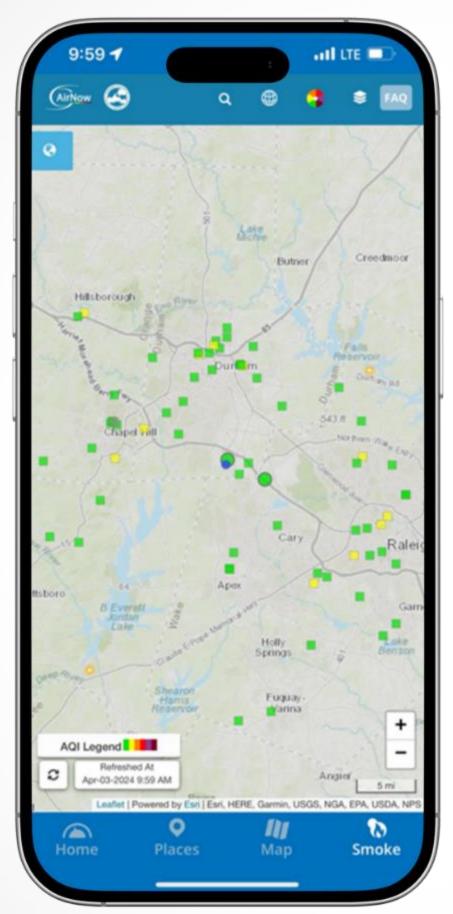
0-50

Good



WHEN THE AIR QUALITY INDEX IS VERY UNHEALTHY OR HAZARDOUS, WE MUST USE AN N95 RESPIRATOR TO PROTECT OURSELVES.





AirNow App in App Store (iOS)



AirNow App in Google Play Store (Android)







How to wear the N95 or KN95 respirator?

- 1. Pull the lower strap from the top to the lower back of the head, placing the strap under the ears.
- 2. Pull the upper strap over your head to the upper back of the head, placing the strap on top of the ears.
- 3. Squeeze gently the metal piece on top of the nose bridge.
- 4. Check the fit to make sure it is sealed by placing both hands over the respirator and breathing. Make sure the respirator collapses slightly when doing so. If needed, adjust the straps and nose piece to make sure there is a seal.

95 Respirator



How can I avoid mold-related air pollutants?

- When working in moldy areas, you can use a N95 or KN95 respirator to protect yourself.
- If you are using chemicals to remove mold, more protection is needed: besides the respirator, use goggles, gloves and protective clothing. Make sure you follow the instructions on the label of the product you are using.





What protection can we use when working in the field?

When working in the field, it is always a good idea to use protective equipment and protect yourself from things that may harm your health. Even clothing can be can protect you!

Protecting ourselves

The type of clothing and personal protective equipment (PPE) depend on a couple of factors:

- Type of work
- Weather
- Air Quality Index



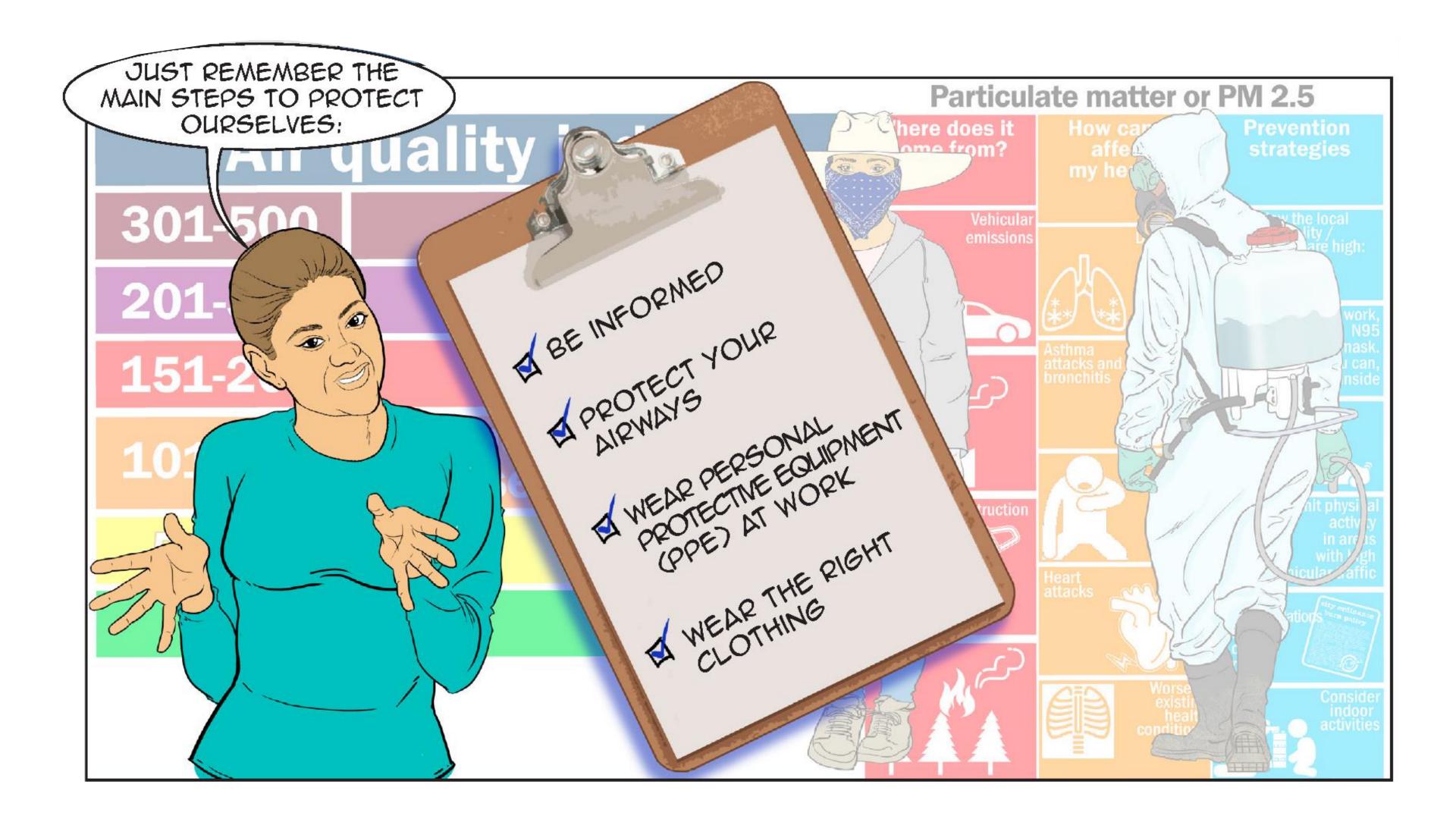
When working with pesticides, make sure to follow the instructions on the label of the product you are using for application and for the PPE required.

PPE is important for your health, even when it is hot outside! Find balance in protecting your health and the effort in your work activities.



We must always remember that, if we become sick, it will be hard to support ourselves and our families.

Most diseases are preventable; take action for your health!



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Download the comic book clicking the link below or scanning the QR code: https://www.migrantclinician.org/resource/clear-air-protect-your-health-bad-air.html



