



Parents Guide to Wildfire Protection

Help Families Stay Healthy and Reduce
Exposure During a Wildfire.

Guidance and Sources By EPA and NIOSH



Environmental Protection
Agency



National Institute of
Organization Safety and Health



Indoor Air Quality Guide to
Building Policy and Responsible
Owners and Managers

Parents Guide to Wildfire Protection Contents

Why Wildfire Smoke is a Health
Concern

4 Wildfire Health Concerns

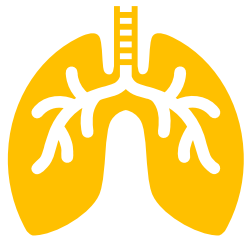
Why Occupant Education is Important

5 Exposure Measurements

9 Steps to Prepare for Wildfire Season

10 Strategies to Reduce Exposure

4 Wildfire Smoke Health Concerns



Increase in Particle Matter in the air (PM2.5, PM1, PM10) can cause serious respiratory and cardiovascular effects on lungs



Increase of Carbon Monoxide & Dioxide in the Air can cause serious respiratory and cardiovascular effects on lungs



Small matters and gases infiltrate homes through windows, doors during wildfires



High Risk Individuals have cardiovascular or respiratory disease. Plus, older adults, children under 18 years of age, pregnant women, outdoor workers, and those of lower socio-economic status.

Health Effects of Wildfire Smoke



Short Term Exposure to Wildfire Smoke

- Coughing, Phlegm, Wheezing, Difficulty breathing

Respiratory Effects

- Bronchitis, Reduced lung function, Increased risk of asthma exacerbation and aggravation of other lung diseases
- Increased risk of emergency room visits and hospital admissions, Cardiovascular effects

Severe Effects

- Heart failure, Heart attack, Stroke, Increased risk of emergency room visits and hospital admissions, Increased risk of premature death

Why Occupant Education is Important

It is important to educate families about wildfire smoke in wildfire-prone areas because:

Wildfires are increasing in size and intensity

More people are living in the wildland-urban interface

As the population ages, more people are at-risk from wildfire smoke

There are steps families can take to reduce smoke exposure both indoors and outdoors

5 Exposure Measurements



Dose

Ambient Concentration
Minute Ventilation (Air Changes)
Duration of Exposure



Limit

Dose of exposure to particulate matter and gases with HEPA and Carbon Air Purifier to recirculate clean indoor air



Check

Check AQI Forecasts



Pay

Pay Attention to Current AQI (indoor and Outdoor)



Use

Use Common Sense

9 Steps to Prepare for Wildfire Season

Know

Know where to find alerts –
<https://www.airnow.gov>

Develop

Develop a disease management
action plan based on exposure

Stock up

Stock up on medications and food

Upgrade

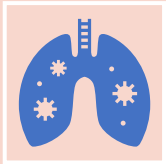
Upgrade HVAC filtration

9 Steps to Prepare for Wildfire Season Continued



Stay

Consider how to stay cool at home with doors and windows closed



Consider

Consider buying an Airpura T600/700DLX Air Purifier



Purchase

Consider purchasing respirators



Make

Make an evacuation/relocation plan



Protect

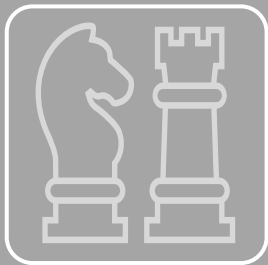
Protect pets

10 Strategies to Reduce Exposure



Stay

- Indoors When Appropriate



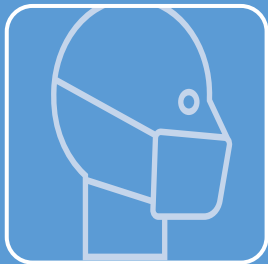
Reduce

- Activity levels outside



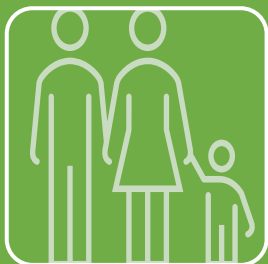
Close

- Vehicle windows recirculate mode on AC



Consider

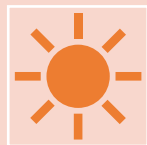
- Wearing a respirator - “N95” or “P100”



Follow

- Guidance for children and schools

10 Strategies to Reduce Exposure Continued



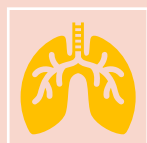
Do Not Add

Indoor air pollution with
candles and aerosols



Use

HVAC System effectively



Add

Airpura T600/700DLX
Air Purifier (26lbs.
Carbon + HEPA Clothe)



Create

Clean room in your
home



Identify

Clean air spaces (museums,
libraries, shopping malls,
theatre, sports arenas,
senior living homes)



Evacuate

If it is life threatening

Airpura

AIR PURIFIERS

TOBACCO SMOKE

AIRPURA T600 & T600 DLX

An air purifier specially designed to remove the odors and gases of thousands of noxious chemicals, carcinogens and tars contained in tobacco smoke.

Ideal for:

- Homes with smoker(s)
- Restaurants and bars
- Hospitality industry
- Institutions that have smoking areas
- Waiting rooms

Removes:

- Tobacco smoke
- Tar
- Hydrocarbons
- Benzene
- Toluene



Filter System Tar Barrier, Particle Removal: HEPA Barrier (95% efficient @ 1 Micron), Odors, Airborne Chemical Control: **T600:** 11.8 kg Carbon Filter **T600 DLX:** 11.8 kg Enhanced Carbon filter

Airpura T600/700 DLX Models,
Filtration Designed Exclusively
for Smoke Removal Ventilation