

2020 Health Alert #27

Heat Event August 10, 2020 to August 12, 2020: Help Prevent Heat-Related Illness and Death

Please distribute to all clinical staff in emergency medicine, family medicine, geriatrics, internal medicine, psychiatry, pharmacy and primary care. Please also share with your colleagues.

- **Identify people at increased risk for heat-related illness and death (see checklist in box to the right).**
Recognize that many conditions that increase risk for heat-related illness also increase risk for severe COVID-19 illness.
- **Be aware that the COVID-19 public health emergency may also put people at risk for indoor heat exposure because they are staying inside for physical distancing or limiting use of air conditioning due to economic constraints.**
- **Remind heat-vulnerable people that heat events (heat waves) can be dangerous and instruct them to use air conditioning. If they do not have air conditioning, refer them to the air conditioner assistance program and encourage them to go to a cool space, such as a family or friend's home or a cooling center.**
- **Instruct at-risk people to stay well-hydrated.**
- **Encourage caregivers to help at-risk people stay cool and well-hydrated.**
- **Immediately report deaths for which heat exposure was the direct cause or a contributing factor to the NYC Office of the Chief Medical Examiner at 212-447-2030.**

Air Conditioner Assistance

People without air conditioners can call (212) 331-3126 to apply for a free air conditioner and installation if they qualify. (See "[Cooling Assistance Program](#)" box on Page 2 for details.)

Identifying People at Risk for Heat-Related Illness and Death

People who do not have or use air conditioning **and have one or more of these risk factors***:

- Chronic health conditions including:
 - Cardiovascular, respiratory or renal disease
 - Obesity (BMI > 30)
 - Diabetes
 - Serious mental illness such as schizophrenia or bipolar disorder
 - Cognitive or developmental disorder that impairs judgment or self-care, such as dementia
- Have difficulty thermoregulating or use medications that can impair thermoregulation, including:
 - Diuretics
 - Anticholinergics
 - Neuroleptics
- Drug or alcohol misuse
- Socially isolated or with limited mobility

****Black New Yorkers and older adults (age ≥ 60) are more likely to have a combination of these risk factors due in part to social and economic disparities that contribute to poorer health.***

Dear Colleagues,

We appreciate your continued help as NYC again faces hot and humid weather this week. The National Weather Service has forecast very hot weather and issued a heat advisory for **Monday, August 10 at noon through Wednesday, August 12 at 8:00 p.m.** The high temperatures and humidity can cause heat stroke and exacerbate chronic medical conditions, potentially leading to severe complications and death.

Updates on extreme weather conditions are available from the National Weather Service (weather.gov/okx) and NYC Emergency Management (nyc.gov/oem).

This summer, the risk of COVID-19 transmission must be balanced against the risk of heat-related illness. With COVID-19 physical distancing measures, we are recommending that people — especially those most at risk of COVID-19 complications and heat-related illness — stay home as much as possible. However, during hot weather, staying in homes without air conditioning can increase risk for heat-related death or illness. You can help people mitigate the risk of COVID-19 transmission and the risk of heat-related illness by reminding them of the health risks of extreme heat (heat waves) and encouraging them to plan how to find relief from the heat.

Heat waves kill more New Yorkers, on average, than any other extreme weather event. Hot weather can cause hyperthermia or, more commonly, exacerbate chronic medical conditions. Both heat and COVID-19 inequitably impact communities of color.

Most hyperthermia victims are overcome by heat in their homes and do not have or use air conditioners. Fans do not provide sufficient cooling during extremely hot weather. Air conditioning is the most effective protection during a heat wave.

This year, ownership and use of air conditioners may decline with rising unemployment. To address this need, **New York City is providing air conditioners to approximately 74,000 low-income households with a resident who is 60 years or older without air conditioning at home.** New York City agency case managers, and community- and faith-based partners are identifying and directly reaching out to income-eligible New Yorkers.

Use the [checklist on page 1](#) to identify heat-vulnerable people and provide the following guidance.

Cooling Assistance Program

People who meet income and other criteria can apply for funds from the NY State Home Energy Assistance Program (HEAP) to purchase and install an air conditioner. Funds are available now until August 30, 2020. Applications can be printed or will be mailed to the person. Completed applications must be mailed to NYC Human Resources Administration (HRA). *At this time, HEAP funds cannot be used to pay electric utility costs.*

We urge you to:

- ✓ Encourage heat-vulnerable people without air conditioners to call **212-331-3126** to ask for a HEAP cooling assistance application.
- ✓ Provide the required written documentation of increased risk for heat-related illness due to a medical or psychiatric condition or use of medications that increases risk.

Guidance for heat-vulnerable patients and their caregivers

- Remind people that heat events (heat waves) are not just uncomfortable but can be dangerous.
- Encourage people to use their air conditioners. People may hesitate to use air conditioners due to cost concerns or discomfort of being too cold. Suggest setting air conditioners to 78 degrees Fahrenheit or “low” cool for a few hours a day to provide comfort, save on electricity costs, and conserve energy.
- Encourage people without air conditioning to apply for one through the Home Energy Assistance Program (see “[Cooling Assistance Program](#)” box on page 2).
- Guide people without air conditioning to consider family, friends or neighbors they can visit even for a couple of hours to get cool during a heat wave. People can also call **311** or go to maps.nyc.gov/oem/cc to find a cooling center in New York City during a heat wave.
- Instruct people not to visit others if they have symptoms of COVID-19 or tested positive for COVID-19 until their isolation period has ended; to confirm no one in the household they will be visiting is sick or isolating for COVID-19, or at high risk for severe COVID-19 illness; and stay at least 6 feet apart from non-household members and wear a [face covering](#) if unable to do so.
- Advise people to increase fluid intake during hot weather. Recommend self-monitoring of hydration, such as body weight measurement, for people who have health conditions sensitive to fluid balance or who use medications that can impair thermoregulation or cause dehydration.
- Engage caregivers and other support networks to frequently call or otherwise remotely check on heat-vulnerable people to help them stay cool and well-hydrated before and during hot weather.
- Discuss with people and caregivers the signs and symptoms of heat-related illness or exacerbation of chronic medical conditions and provide guidance about when to call **911** or go to an emergency room. For more information, visit nyc.gov/health/heat.
- Immediately report deaths where heat exposure is suspected as a direct or contributing cause to the NYC Office of Chief Medical Examiner at 212-447-2030.

Thank you for your continued dedication to protecting the health of New Yorkers.

Sincerely,

Seth Guthartz

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