



Department of Health

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DAL: DAL #21-05
Subject: Warm Weather Advisory

Dear Adult Care Facility Administrator/Operator:

You are expected to provide your residents with a comfortable and safe environment throughout the summer months and to take the necessary precautions to prevent heat-related conditions. Section 461-q of Social Services Law requires the New York State Department of Health ("Department") to set allowable temperatures for resident-occupied areas of the facility. Compliance with this law requires you to maintain your facility at a safe and comfortable temperature. New York State regulation at Title 18 of New York Code of Rules and Regulations (NYCRR) §487.11(m), §490.11(n) and §488.11(i) require the operator to perform the following when the outside temperature exceeds 85 degrees (30 degrees Celsius):

- Take measures to maintain a comfortable environment;
- Monitor resident exposure and reactions to heat;
- Arrange for health care, if needed;
- Arrange for the temporary relocation of residents, if needed; and
- One common room in such adult home, enriched housing program and residence for adults shall be required to be air conditioned.

During the summer months residents may be at risk for heat-related conditions. Elderly residents and those with chronic medical conditions including cardiopulmonary conditions, high blood pressure and residents with mental illness are at increased risk for heat exhaustion, heat stroke and heat cramps. The following information summarizes these conditions.

Heat-Related Conditions

Heat Cramps: People who sweat a lot during strenuous activity are prone to heat cramps. Heat cramps may also be a symptom of heat exhaustion. People with heart problems or those on a low-sodium diet should seek medical attention for heat cramps.

Symptoms: Muscle pain or spasms – usually in the abdomen, arms or legs.

Management: Seek medical attention for heat cramps if they do not subside in one hour. If medical attention is not necessary, take the following steps:

- Stop all activity and have the person sit quietly in a cool place.
- Offer clear juice or a sports beverage.
- Inform the person not to return to strenuous activity until a few hours after the cramps subside because further exertion may lead to heat exhaustion or heat stroke.

Heat Exhaustion: Heat exhaustion is a milder form of heat-related illness that can develop after several days of exposure to high temperatures and inadequate or unbalanced replacement of fluids. Those most prone to heat exhaustion are elderly people and those with high blood pressure.

Symptoms: Heavy sweating, paleness, muscle cramps, tiredness, weakness, dizziness, headache, nausea, vomiting and fainting. The skin may be cool and moist. The pulse rate will be fast and weak, and breathing will be fast and shallow. If heat exhaustion is untreated, it may progress to heat stroke.

Management: Move the person to an air-conditioned environment and offer cool, non-alcoholic beverages. Have the person rest or provide them with a cool shower, bath, or sponge bath. Ensure they are wearing lightweight clothing. Seek medical attention if symptoms worsen or last longer than one hour.

Heat Stroke: Heat stroke is the most serious heat-related illness. It occurs when the body becomes unable to control its temperature: the body's temperature rises rapidly, the sweating mechanism fails, and the body is unable to cool down. Body temperature may rise to 106°F or higher within 10 to 15 minutes. Heat stroke can cause death or permanent disability if emergency treatment is not provided.

Symptoms: An extremely high body temperature (above 103°F), red, hot, and dry skin (no sweating), rapid, strong pulse, throbbing headache, dizziness, nausea, confusion and unconsciousness.

Management: Call for immediate medical assistance while you begin cooling the victim. Do the following:

- Move the person to a shady area.
- Cool the person rapidly, using whatever methods you can. For example, immerse them in a tub of cool water; place the person in a cool shower; spray them with cool water from a garden hose; sponge the person with cool water; or if the humidity is low, wrap them in a cool, wet sheet and fan him or her vigorously.
- Do not give alcohol to drink.

General Information

Medication: The risk for heat-related illness and death may increase among people using the following drugs:

1. psychotropics, which affect psychic function, behavior, or experience (e.g. haloperidol or chlorpromazine);
2. medications for Parkinson's disease, because they can inhibit perspiration;
3. tranquilizers such as phenothiazines, butyrophenones, and thiozanthenes; and
4. diuretic medications or "water pills" that affect fluid balance in the body.

Electric Fans: Electric fans may provide comfort, but when the temperature is in the high 90s, fans will not prevent heat-related illness. Taking a cool shower or bath or moving to an air-conditioned place is a much better way to cool off. Air conditioning is the strongest protective factor against heat-related illness. Exposure to air conditioning for even a few hours a day will reduce the risk for heat-related illness.

The Department recommends that facilities accommodate residents in the common room(s) while adhering to the core principles of infection control. Facilities are expected to turn on the air conditioning in the common room(s) and monitor the air temperature hourly in all common areas as well as in the non-air-conditioned rooms at various locations on each floor of the facility. If room air conditioners are typically used, the air conditioners must be turned on regardless of a resident's ability to pay. If your facility utilizes central air conditioning, there is no need to monitor hourly as long as the central air is turned on.

Additional information regarding steps to be taken by adult care facilities in warm weather, steps to prevent and manage heat-related conditions and medications that may make a resident more sensitive to heat are enclosed. **This information is to be posted in a conspicuous area in your facility that is accessible to both staff and residents.** Please be advised that this letter and its enclosures will be available online at: http://www.health.ny.gov/facilities/adult_care/dear_administrator_letters/.

Many adult care facilities have added standby power generators as a measure to maintain operations during outage periods. Please ensure that generators are properly maintained to function as designed as their ability to generate temperature control devices may make a difference in resident comfort.

Finally, adult care facilities should consider aspects of heat-related illness prevention while adhering to core principles and best practices for infection control. Recommendations include:

- Hand hygiene stations should be readily accessible (either handwashing sink for soap and water or dispensers of alcohol-based hand sanitizer) for use by facility staff and residents.
- Environmental cleaning and disinfecting should be done regularly, especially targeting high touch surfaces.
- Facilities should be prepared to ensure the comfort and safety of residents on quarantine or isolation who might not be able to move to an air-conditioned common area.
- Ideally, changes to air cooling systems, air conditioners, and fan use should be evaluated by a qualified professional.

Heat stress issues can also affect facility staff especially when wearing required personal protective equipment (PPE). Adult care facilities should ensure facility staff have opportunities for required breaks and for hydration. Consider implementing buddy systems for staff to have verbal check-ins with each other to assess for symptoms of heat-related illness. Consider providing education to staff about heat related illness first aid and emergency procedures.

Thank you in advance for your efforts to provide our residents with a safe environment that allows them to enjoy a meaningful and satisfying quality of life. If you have any questions regarding the information in this letter or its enclosures, please contact your appropriate regional

office or write to the Division of Adult Care Facility and Assisted Living Surveillance at acinfo@health.ny.gov.

Sincerely,

Heidi L. Hayes, Acting Director
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Enclosure

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STEPS TO BE TAKEN BY ADULT CARE FACILITIES IN WARM WEATHER

1. Maintain situational awareness of potential weather fronts.

National Weather Service Links for Local Hazardous Weather Outlooks

[Binghamton, NY Forecast Office: https://www.weather.gov/bgm/ehwo](https://www.weather.gov/bgm/ehwo)

[Albany, NY Forecast Office: https://www.weather.gov/aly/ehwo](https://www.weather.gov/aly/ehwo)

[Buffalo, NY Forecast Office: https://www.weather.gov/buf/ehwo](https://www.weather.gov/buf/ehwo)

[New York, NY Forecast Office: https://www.weather.gov/okx/ehwo](https://www.weather.gov/okx/ehwo)

[Burlington, VT Forecast Office: https://www.weather.gov/btv/ehwo](https://www.weather.gov/btv/ehwo)

2. Observe and monitor residents to ensure both their comfort and safety.
3. Assure, through active encouragement and assistance when necessary, that residents maintain adequate fluid intake (e.g., water and fruit juices should be available). Avoid alcohol.
4. Encourage residents to wear appropriate clothing while indoors and outdoors (lightweight, light-colored, loose-fitting clothing and hats).
5. Encourage residents not to lie or sit in direct sunlight, e.g., if outside, encourage residents to sit in shaded areas.
6. Monitor residents engaging in physical activities. Discourage strenuous physical activity as appropriate.
7. Alert staff to the signs, symptoms and consequences of heat exhaustion, heat stroke and heat cramps.
8. Instruct staff to monitor residents for signs and symptoms of heat related conditions. Notify the resident's physician and obtain medical services if necessary.
9. Provide information to both residents and staff on medications (sample list enclosed) that may cause residents to be more susceptible to heat-related conditions.
10. Assure that facility policies and procedures for heat emergency situations are current, complete, known to staff, and carried out.
11. Use air circulating and air cooling equipment (window fans, floor fans, mechanical ventilation systems and air conditioners) to achieve and maintain air movement and air cooling within the facility, especially in resident rooms and resident use areas.
12. Protect against temperature elevations within the facility by closing window blinds and shades on sun-exposed walls, opening windows on shaded walls and turning off heat generating devices such as lights.
13. Adjust menus as needed, incorporating items such as cold plates, salads, etc. Consult with your dietician.

Heat-Related Illness	Signs & Symptoms	Management
Heat Exhaustion	Gradual weakness, nausea, anxiety, excess sweating, headache, dizziness, or fainting. May lead to loss of consciousness and/or circulatory failure. Skin is pale, grayish and clammy. May show irritability or change in behavior; low or normal temperature; slightly low blood pressure; cramps in the abdomen/ arms/ legs.	Move resident to a cooler place and encourage rest. Lay the resident down and elevate the legs and feet slightly. Loosen or remove resident's clothing and apply wet cloths, such as towels or sheets. If the resident is conscious, give cool water to drink. Make sure the resident drinks slowly. Give a half glass of cool water (not iced) every 15 minutes. Monitor the resident carefully. Heat exhaustion can quickly become heatstroke.
Heat Stroke (Serious Emergency)	Headache, weakness, agitation, confusion, seizures, lethargy, or sudden loss of consciousness. Hot, red, dry skin with little sweating; very high temperature (above 105 degrees); hard, rapid pulse; rapid, shallow breathing.	Immediately call 911 or paramedics. Remove resident's clothing and cool skin by wrapping or immersing in cold water or ice.
Heat Cramps	Severe cramps and spasms in the arms, legs and/or abdomen; mild nausea; perspiration. Skin may be hot and dry or cool and clammy depending on the humidity. The muscles feel like hard knots. Resident may have pale skin.	Move resident to a cooler place and encourage rest. Lightly stretch the effected muscle and replenish fluids. Provide half glass of cool water every 15 minutes. Do not give liquids with alcohol or caffeine in them as they can cause further dehydration, making the conditions worse.

RESIDENTS TAKING THE FOLLOWING MEDICATIONS MAY HAVE ADDED SENSITIVITY TO HEAT AND OTHER CONDITIONS (Not all inclusive)	
Antibiotics	Tetracyclines, sulfa drugs, quinolones (Cipro, Noroxin, etc.)
Anticholinergics	Atropine, Benadryl, Cogentin, Ditropan, Donnatol
Antidepressants	Elavil, Tofranil, Zoloft
Antipsychotics	Haldol, Mellaril, Navane, Risperdal
Diuretics	Hydrochlorothiazide (HCTZ), Lasix
Potassium Supplements	K Dur, Micro K
Steroids	Decadron, Prednisone
Cardiotonics	Lanoxin (Digoxin)
Antispasmodics	Dicyclomine

ANTIDEPRESSANT DRUGS

Generic	Brand
Amitriptyline	Elavil
Amoxapine	Ascendin
Bupropion	Wellbutrin, Wellbutrin SR
Citalopram	Celexa
Clomipramine	Anafranil
Desipramine	Norpramine
Doxepin	Sinequan
Duloxetine	Cymbalta
Escitalopram	Lexapro
Fluoxetine	Prozac, Prozac weekly
Fluoxetine/Olanzapine	Symbyax
Fluvoxamine	Luvox
Imipramine	Tofranil
Maprotiline	Ludiomil
Mirtazapine	Remeron, Remeron Sol Tab
Nefazodone	Serzone
Nortriptyline	Pamelor, Aventyl HCL
Paroxetine	Paxil
Phenelzine	Nardil
Protriptyline	Vivactil
Sertraline	Zoloft
Tranlycypromine	Parnate
Trazodone	Desyrel
Trimipramine	Surmontil
Venlafaxine	Effexor Effexor XR

MOOD STABILIZER DRUGS

Generic	Brand (mg/ml)
Lithium carbonate	Lithobid Eskalith Eskalith CR
Lithium Citrate	Cibalith – S
Valproic Acid	Depakene
Divalproex sodium	Depakote (dr) Depakote (ER) Depakote Sprinkles
Carbamazepine	Tegretol Tegretol XR Tegretol chew Carbatrol (er)
Gabapentin	Neurontin
Lamotrigine	Lamictal
Topiramate	Topamax

CONVENTIONAL ANTIPSYCHOTIC DRUGS

Generic	Brand (mg/ml)
Chlorpromazine	Thorazine
Fluphenazine	Prolixin
Haloperidol	Haldol
Loxapine	Loxitane
Mesoridazine	Serentil
Molidone	Moban
Perphenazine	Trilafon
Thioridazine	Mellaril
Thiothixene	Navane
Trifluoperazine	Stelazine
Prochlorperazine	Compazine
Triavil	Amitriptyline/ perphenazine

LONG ACTING ANTIPSYCHOTICS

Fluphenazine (Prolixin) decanoate
Haloperidol (Haldol) decanoate
Risperidone (Risperdal Consta)

ATYPICAL ANTIPSYCHOTIC DRUGS

Generic	Brand
Aripiprazole	Abilify
Clozapine	Clozaril
Olanzapine	Zyprexa, Zyprexa Zydis, Zyprexa intramuscular
Quetiapine	Seroquel
Risperidone	Risperdal, Risperdal Consta, Risperdal M-Tab
Ziprasidone	Geodon

AGENTS FOR MANAGEMENT OF ANTIPSYCHOTIC MOTOR SIDE EFFECTS

Generic	Brand
Anticholinergics	Benzotropine Diphenhydramine Trihexyphenidyl
Benzodiazepines	Clonazepam Lorazepam
Beta Blockers	Atenolol Metoprolol Nadolol Propranolol
Dopamine agonist	Amantadine
Thyroid preparations	Thyroid dessicated Thyroid extract Levothyroxine

Note: There is a potential for some drugs to interact with each other to increase a resident's sensitivity to heat. For case-specific information, consult with the prescriber or pharmacist.