

## Prevention of Heat Illness

During periods of high temperature and humidity, there are things everyone (particularly people at high risk) should do to lessen the chances of heat illness:

- \* Avoid over-exertion, particularly during warmer periods of the day
- \* Apply sun screen as needed
- \* Keep windows shut, and draperies, shades or blinds drawn during the heat of the day; open windows in the evening or night hours when the air outside is cooler
- \* Move to cooler rooms during the heat of the day
- \* Drink plenty of fluids
- \* If not on a low salt diet, sports drinks or salty snacks can help replace salt lost to sweating
- \* Dress in loose fitting, light-colored clothing



## Major Antipsychotic Medications

| Trade Name                    | Generic Name    |
|-------------------------------|-----------------|
| Abilify, Aristada             | Aripiprazole    |
| Clozaril, Fazaclor, Versacloz | Clozapine       |
| Fanapt                        | Iloperidone     |
| Geodon                        | Ziprasidone     |
| Haldol                        | Haloperidol     |
| Invega, Sustenna              | Paliperidone    |
| Latuda                        | Lurasidone      |
| Loxitane                      | Loxapine        |
| Navane                        | Thiothixene     |
| Prolixin                      | Fluphenazine    |
| Thioridazine                  | Thioridazine    |
| Rexulti                       | Brexipiprazole  |
| Risperdal/Consta              | Risperidone     |
| Saphris                       | Asenapine       |
| Seroquel                      | Quetiapine      |
| Stelazine                     | Trifluoperazine |
| Thorazine                     | Chlorpromazine  |
| Trilafon                      | Perphenazine    |
| Vraylar                       | Cariprazine     |
| Zyprexa/Relprev               | Olanzapine      |

**NJ Department of Human Services**  
Division of Mental Health and Addiction Services

*Produced by the NJ DHS- Office of Publications  
(07/16)*

# Summer Heat and Sun Risks When Taking Psychiatric Medications



## Antipsychotic Medications Affect Body Heat Regulation

Antipsychotic medications may impair the body's ability to regulate its own temperature. During hot and humid weather, individuals taking major tranquilizers are at risk of developing excessive body temperature (or hyperthermia), which can be fatal. Individuals with chronic medical conditions are especially vulnerable (e.g., heart and pulmonary disease, diabetes, alcoholism, etc.)

Heat exhaustion is the most common heat-related condition. It is most likely to occur in people who are involved in outdoor physical activity during heat waves.

Heat stroke is a more serious condition of dehydration and salt depletion which occurs mostly during heat waves and can be life threatening.



## Heat Exhaustion

Heat exhaustion can occur in both active and sedentary people. It happens suddenly and may be quite brief. A doctor should be called. Recovery may be spontaneous, or intravenous fluids may be needed to prevent unconsciousness.

### **Symptoms of heat exhaustion include:**

- \* Irritability or change in behavior
- \* Low or normal temperature
- \* Slightly low blood pressure
- \* Rapid, full pulse and heartbeat
- \* Cold, pale skin (may be ashen gray)
- \* Profuse perspiration
- \* Dizziness, headache, and weakness
- \* Nausea, vomiting
- \* Cramps in the abdominal area or in the extremities

### **Treatment**

If a person displays symptoms of heat exhaustion, he or she should be:

- \* Moved to a cooler place as soon as possible
- \* Given water or other liquids immediately (there is no need for salt)
- \* Stop all activity and rest for a short period

## Heat Stroke

Heat stroke, the most serious heat illness, occurs mostly during heat waves and, if left untreated, can lead to death. Individuals with chronic illnesses are most vulnerable to heat stroke.

### **Symptoms of heat stroke include:**

- \* Agitation, confusion, seizures, lethargy, or coma (all may be first symptoms)
- \* High body temperature (104°F or above)
- \* High blood pressure initially (shock may follow, resulting in low blood pressure)
- \* Rapid pulse and heartbeat
- \* Rapid, shallow breathing if the person is moving about; slow and deep breathing if the person is still
- \* Hot, dry, flushed skin

### **Treatment**

As soon as you recognize the signs of heat stroke, take immediate action:

- \* Call 911 immediately
- \* Loosen or remove outer layers of individual's clothing
- \* Move to a cool place
- \* Immerse individual in ice water or try to bring down body temperature with cold compresses or a cold water shower
- \* Use CPR, if needed
- \* Replace fluids and sodium only under medical orders

## Lithium



Patients taking Lithium will also need to be careful during hot weather. Because Lithium is a salt, if you lose a lot of fluid quickly through perspiration in hot weather, your lithium level may rise quickly. Signs of lithium toxicity (level too high) include dizziness, unsteadiness, tremor, slurred speech, lethargy, and confusion. Be sure you keep hydrated in hot weather and go indoors to cool down. If you think you have signs of lithium toxicity call a doctor or go to the emergency room immediately.