

DEFINITION: Life-threatening asthma consists of an acute episode of worsening airflow obstruction. Immediate action and monitoring are necessary.

A systemic allergic reaction (anaphylaxis) is a severe response resulting in cardiovascular collapse (shock) after the injection of an antigen (e.g. bee or other insect sting), ingestion of a food or *medication*, or exposure to other allergens, such as animal fur, chemical irritants, pollens or molds, among others. The blood pressure falls, the pulse becomes weak, **AND DEATH CAN OCCUR**. Immediate allergic reactions may require emergency treatment and medications.

LIFE-THREATENING ASTHMA SYMPTOMS: Any of these symptoms may occur:

- Chest tightness
- Wheezing
- Severe shortness of breath
- Retractions (chest or neck “sucked in”)
- Cyanosis (lips and nail beds exhibit a grayish or bluish color)
- Change in mental status, such as agitation, anxiety, or lethargy
- A hunched-over position
- Breathlessness causing speech in one-to-two word phrases or complete inability to speak

ANAPHYLACTIC SYMPTOMS OF BODY SYSTEM: Any of the symptoms may occur within seconds. The more immediate the reaction, the more severe the reaction may become. Any of the symptoms present require several hours of monitoring.

- Skin: warmth, itching, and/or tingling of underarms/groin, flushing, hives
- Abdominal: pain, nausea and vomiting, diarrhea
- Oral/Respiratory: sneezing, swelling of face (lips, mouth, tongue, throat), lump or tightness in the throat, hoarseness, difficulty inhaling, shortness of breath, decrease in peak flow meter reading, wheezing reaction
- Cardiovascular: headache, low blood pressure (shock), lightheadedness, fainting, loss of consciousness, rapid heart rate, ventricular fibrillation (no pulse)
- Mental status: apprehension, anxiety, restlessness, irritability

EMERGENCY PROTOCOL:

1. CALL 911.
2. Summon school nurse if available. If not, summon designated trained, non-medical staff to implement an emergency protocol.
3. Check airway patency, breathing, respiratory rate, and pulse.
4. Administer medications (epinephrine auto injector and nebulized albuterol) per standing order.
5. Determine cause as quickly as possible.
6. Monitor vital signs (pulse, respiration, etc.).
7. Contact parents immediately and prescribing health care practitioner as soon as possible.
8. Any individual treated for symptoms with epinephrine at a school will be transferred to a medical facility.

STANDING ORDERS FOR RESPONSE TO LIFE-THREATENING ASTHMA OR ANAPHYLAXIS:

- **Administer epinephrine auto injector junior for any child less than 60 pounds or adult epinephrine auto injector for any individual over 60 pounds into the muscle towards the front and outer side of the thigh.**
- Follow with nebulized albuterol while awaiting EMS.
- If symptoms persist, repeat epinephrine auto injector followed by nebulized albuterol every fifteen minutes while awaiting EMS arrival.
- Administer CPR, if indicated.

Prescribing Health Care Practitioner

Date

When signed by a licensed prescribing health care practitioner, these orders shall serve as a prescription as defined in Neb. Rev. Stat. § 71-2475 for emergency use for epinephrine auto injectors and nebulized albuterol to be used accordingly.