

Incidents of the Use of Auto-Injectable Epinephrine

Pursuant to Public Act 221 of 2015,
MCL 333.17744d

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Prepared by:

**Bureau of Professional
Licensing**

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Executive Summary:

The report fulfills the legislative reporting requirements pursuant to [MCL 333.17744d\(9\)](#), in which the Department of Licensing and Regulatory Affairs (LARA) is required to report the following information regarding the administration of auto-injectable epinephrine by authorized entities:

- *An authorized entity shall submit to the department, on a form prescribed by the department, a report of each incident on the premises of or in connection with the conduct of the business or activity of the authorized entity that involves the administration of auto-injectable epinephrine. The department shall annually publish a report that summarizes and analyzes all reports submitted to it under this subsection.*

Pursuant to statute, this report has been prepared to meet the annual reporting requirement. In addition, this report is also online under the following locations:

- The Bureau of Professional Licensing (BPL) website at: www.michigan.gov/bpl.
- The All About LARA Section – Legislative Reports of the Department of Licensing and Regulatory Affairs website at: www.michigan.gov/laralegreports.

Background:

[Public Act 221 of 2015](#), effective March 16, 2016, permits physicians to prescribe auto-injectable epinephrine to the following authorized entities: public and private schools, recreation camps, youth sports leagues, amusement parks, religious institutions, sports arenas, and other locations where allergens causing anaphylaxis may be present. Each authorized entity that administers an epinephrine injector to an individual experiencing anaphylaxis, must submit to LARA a completed [Report on the Administration of Auto-Injectable Epinephrine](#), for each incident involving the administration of auto-injectable epinephrine on the premises of, or in connection with, the business or activity of the authorized entity. On an annual basis, LARA summarizes and analyzes the reports submitted to the Department throughout the calendar year, and compiles and publishes an *Incidents of the Use of Auto-Injectable Epinephrine* report.

Auto-Injectable Epinephrine Report:

From January 1, 2023, to December 31, 2023, LARA received *Report on the Administration of Auto-Injectable Epinephrine* incident reports from various entities as follows: Two incidents that occurred in 2022 and 26 incidents that occurred in 2023. Summaries of the incidents detailed in the completed reports are as follows:

- On September 1, 2022, a Registered Nurse (RN) at Bay City Public Schools – MacGregor Elementary, administered epinephrine to a 10-year-old female student who presented with a suspected allergic reaction to a chemical shampoo that was being used to treat head lice on the student. Symptoms displayed were as follows: ear/face/eye swelling, hives on face/neck/chest/forearms; student stated her throat “feels like it’s closing/unable to swallow, difficulty breathing”. It was noted that 911 was called and the student was transported to the emergency room.
- On December 15, 2022, a RN at Academy of the Sacred Heart administered epinephrine to a 5-year-old male student who presented with an allergic reaction to eating an egg (known allergy). The student was given Benadryl and monitored for 30 minutes. The student developed symptoms as follows: stated “I don’t feel good”, was pale, breathing through the mouth with shallow respirations, rubbing neck/throat and reported his chest and throat hurt. It was noted that 911 was called and the mother transported the student to the emergency room.
- On January 12, 2023, a RN at East Kentwood Freshman Campus administered epinephrine to a 14-year-old female student who presented with an allergic reaction to an unknown element upon arrival at school. Symptoms were as follows: shortness of breath, chills, hives, itching. It was noted that 911 was called and the student was transported to the emergency room.
- On January 13, 2023, at Bloomfield Hills School District, a 15-year-old male student self-administered epinephrine when presenting with an allergic reaction as follows: sneezing, watery eyes, followed by trouble breathing. The student has a known allergy to peanuts and may have ingested them prior to coming to school. It was noted that his parents and 911 were both called. After arriving, emergency service staff administered an additional dose of epinephrine, and the student was transported to the hospital.
- On January 18, 2023, a RN at Walled Lake Western High School administered epinephrine to a 16-year-old female student who presented with an allergic reaction as follows: throat tightness, lip numbness and tingling, nausea and abdominal pain. The student had no known allergies. It was noted that 911 and the student’s father were called. The student was not taken to an emergency room but went home with her father with instructions to call 911 if symptoms returned. It was noted they would be following up with the student’s primary care physician.

- On February 7, 2023, the Athletic Secretary at South Lake Schools administered epinephrine to a 15-year-old male student who presented with an allergic reaction to a known allergy to peanuts as follows: itching and swelling to the face. It was noted that 911 was called and that the student was transported to the hospital.
- On February 19, 2023, at Bloomfield Hills Schools, a 15-year-old male student self-administered epinephrine when presenting with an allergic reaction as follows: hard time breathing with an itchy throat. The student has known allergies to peanuts and tree nuts and may have ingested them prior to coming to school. It was noted that the student's father was called, and the father requested 911 be called. The student was transported to the hospital for observation.
- On February 27, 2023, an Administrative Assistant at Summit Academy North Elementary School administered epinephrine to an 11-year-old male student who presented with an allergic reaction as follows: nausea, throat itchy, throat swelling. The student did not have confirmed allergies, but it was suspected that he had allergies to tree nuts. The father was called, who requested that epinephrine be administered, then came to the school. It was noted that 911 was not called, nor was the student taken to the emergency room.
- On April 12, 2023, a Special Education Health Care Aide at North Aurelius Elementary School, Mason Public Schools, administered epinephrine to a 6-year-old male student who presented with an allergic reaction as follows: full body rash and itchy throat. The student was noted to have peanut allergies and was sitting next to another student who was eating food with peanut butter in it. It was noted that 911 was not called, but the student was transported to the emergency room.
- On May 1, 2023, a Medical Aide at L'Anse Creuse High School administered epinephrine to a 16-year-old female student who ate a pretzel filled with peanut butter and presented with an allergic reaction as follows: throat tightness, throat/mouth itchiness and difficulty swallowing. The student was known to have allergies to egg whites, corn, hazelnut, pecan, and walnuts. It was noted that 911 and the student's mother were called. The student was not transported to an emergency room, however her mother provided follow up care.
- On May 15, 2023, a School RN at Caledonia High School administered epinephrine to a 17-year-old female student who presented with an allergic reaction as follows: red face and described throat swelling. The student was known to have allergies to beans and had consumed a cookie that contained soy lecithin. It was noted that 911 was not called and that the student's parents transported her to the emergency room.
- On June 1, 2023, a School RN at Newaygo Public Schools administered epinephrine to a 10-year-old male student who presented with an allergic reaction as follows: anaphylaxis, diaphoresis, swelling of the throat and hives. The student was known to have an allergy to bee venom and had been stung by a bee. It was noted that 911 was called and that the student was transported to a local hospital.

- On June 8, 2023, a School RN at Woodhaven Brownstown School District administered epinephrine to a 15-year-old male student who presented with an allergic reaction as follows: itching all over, hives on back and trunk, and clearing his throat. The student was known to have an allergy to peanuts. However, allergic reactions occurred after the student drank from a water fountain in the gym. It was noted that 911 and the student's parents were called. The parent transported the student to their personal pediatrician.
- On June 12, 2023, a School RN at Handy Middle School administered epinephrine to an 8-year-old female student who presented with an allergic reaction as follows: systemic hives and throat swelling. The student had no known allergies. The student's mother and 911 were called. The mother declined to have emergency services take the student to the hospital and took the student with her.
- On August 8, 2023, a School RN at Comstock Park High School administered epinephrine to a 23-year-old female staff member who presented with an allergic reaction as follows: throat closure, tingling mouth. The staff member is known to have allergies to mango and shellfish, but that she had not come in contact with these specific foods. It was noted that 911 was called and that she was transported to the emergency room.
- On August 22, 2023, a School RN at Paw Paw Public School administered epinephrine to a 52-year-old female teacher who presented with an allergic reaction as follows: wheezing, throat tightness, nausea, difficulty breathing, unable to speak. The teacher is known to have an allergy to pineapple and had come in contact with pineapple pizza. It was noted that 911 was called and that the teacher had been transported to an emergency room.
- On August 28, 2023, a school secretary at Niles High School/Niles Community Schools administered epinephrine to a 50-year-old female, who works at the school and presented with an allergic reaction as follows: swelling and numbness. The staff member was known to have an allergy to bee stings. It was noted that 911 was called and that the staff member was transported to the emergency room.
- On September 6, 2023, a teacher in the Big Rapids Public Schools administered epinephrine to a 16-year-old female student who presented with an allergic reaction as follows: shortness of breath, wheezing, throat tightness, light-headed, redness of skin. The student was known to have an allergy to nuts. However, actual contact with nuts couldn't be established. A parent, the school nurse and 911 were called. The parent took the student to the emergency room.
- On September 7, 2023, a School RN at Thornapple Kellogg Schools administered epinephrine to a 16-year-old female student who presented with an allergic reaction as follows: tingling of face, cheeks, difficulty swallowing. The student was known to have allergies to pistachios and nuts, and had eaten a few bites of a granola bar. It was noted that 911 was called, as well as her father. Her father transported her to the emergency room.

- On September 7, 2023, a School RN at MacGregor Elementary – Bay City Public Schools administered epinephrine to a 41-year-old female school staff member who presented with an allergic reaction as follows: dizziness, “foggy”, throat tightness, “feeling like it’s closing, can’t swallow”. The staff member was noted to have an allergy to bees and was stung by a bee on her right index finger. It was noted that 911 was call and that the staff member was transported to the emergency room.
- On September 8, 2023, a secretary in the Cedar Springs Public Schools administered epinephrine to an 18-year-old male student who presented with an allergic reaction as follows: difficulty breathing, throat tightness, difficulty swallowing. The student was known to have an allergy to tree nuts and believes he may have ingested them from a salad. It was noted that 911 was called as well as the parents. The student refused being transported to the emergency room via ambulance. The mother arrived to pick up the student.
- On September 22, 2023, a school administrative assistant at DeHon Kellogg Elementary administered epinephrine to a 6-year-old male student who presented with an allergic reaction as follows: hives on chest, neck and back, swelling, throat tightness. The student was known to have an allergy to bees and had been stung by a bee at school. It was noted that 911 was called and that the student was transported to the emergency room.
- On September 26, 2023, a St. Joseph School secretary trained in the administration of epinephrine, administered epinephrine to a 10-year-old male student who presented with an allergic reaction as follows: mouth tingles, face itches, lips puffy and numb. The student was known to have allergies to peanuts, cod, and sesame seeds, and the school had an “Allergy Action Plan” for him. The report noted he had eaten a peanut butter pretzel, thinking it was plain. It was noted that 911 was called but the student was not taken to an emergency room. With the parent’s permission, the student was released to a grandparent.
- On September 28, 2023, a School RN at Detroit Catholic Central High School administered epinephrine to a 14-year-old male student who presented with an allergic reaction as follows: facial redness, severe itching of face and eyes, heavy nasal congestion, tachycardia, anxiousness. The student was known to have an allergy to tree nuts and may have ingested them from eating a cookie. It was noted that 911 was called, as well as the parent, and that the student was transported to an emergency room.
- On October 17, 2023, a School RN at Newaygo Middle School administered epinephrine to a 13-year-old female student who presented with an allergic reaction as follows: swelling/tight throat, swelling of fingers/hands, numbness, difficulty breathing. The student was known to have an allergy to bees and was stung while outside at recess. It was noted that 911 was called and that the student was transported to a local hospital.

- On October 27, 2023, an Administrative Assistant at Brownstown Middle School administered epinephrine to a 12-year-old male student who presented with an allergic reaction as follows: throat swelling and difficulty breathing. The student was noted to have an allergy to Amoxicillin. It was reported the student had started a new antibiotic for an ear infection. It was noted that 911 was called and the student was transported to an emergency room.
- On October 27, 2023, a School RN at Anchor Bay High School administered epinephrine to a 15-year-old female student who presented with an allergic reaction as follows: difficulty breathing/catching breath, blotchiness of her face, “throat closing up”. The student was not known to have any allergies. The incident occurred during a school cross country race where part of the course was wooded. It was noted that 911 was called and that the student was transported to a nearby hospital.
- On November 7, 2023, a School RN at Detroit Catholic Central High School administered epinephrine to a 54-year-old male staff member who presented with an allergic reaction as follows: hives over face, neck, arms, and chest, itchy, face and body redness, swollen eye lids, bloodshot eyes, lightheaded, dizzy, anxious. The staff member had no known allergies. It was noted that 911 was called and the staff member was transported to a local hospital.