

Incidents of the Use of Auto-Injectable Epinephrine

Pursuant to Public Act 221 of 2015,
MCL 333.17744d

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Reporting Period: January 1, 2020 – December 31, 2020



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Executive Summary:

The report in fulfills the legislative reporting requirements pursuant to [MCL 333.17744d\(6\)](#), 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/lara.

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, 2020 to December 31, 20, LARA received 7 completed *Report on the Administration of Auto-Injectable Epinephrine* reports. Summaries of the 7 incidents detailed in the completed reports are as follows:

- On January 9, 2020, Wyandotte Roosevelt High School, in Wyandotte, Michigan, administered epinephrine to a 15-year-old, female student. The student approached the school's administration and informed staff that she was having an allergic reaction either consuming kiwi or barbeque sauce. The student had lips that were swelling. Staff administered epinephrine, and the student contacted her mother. EMS was not contacted, and the student's mother, who was 45 minutes away, requested that school staff wait to take the student to the emergency room. Because the student's mother was a significant amount of time away from the school, the school took the student to the emergency room.
- On February 3, 2020, Brighton High School, in Brighton, Michigan, reported to LARA the administration of epinephrine to a 37-year-old male. The individual experienced hives, itchiness, swollen eyes, and difficulty breathing, and self-administered the epinephrine. The school called 911 and the individual was transported to the emergency room.
- On February 7, 2020, Kalamazoo Public School District, in Kalamazoo, Michigan, administered epinephrine to a 16-year-old, male student. The student had a known allergy to beans and had reacted to them in the past, however he had an accidental ingestion of beans in a chili at lunch and reported to the guidance office that his throat was itchy. After a few minutes, his throat began to swell, and the student began to experience nausea and difficulty breathing. Epinephrine was quickly administered, and EMS was contacted. The student had angioedema of mouth, lips, and throat, as well as nausea, hives, and difficult breathing. Paramedics arrived and administered 50mg of Benadryl IM. The paramedics did not take the student to the emergency room, at the student's parents' request, and per a doctor's clearance, as the student's symptoms were lessening. The student went home with his father and was encouraged to dial 911 if symptoms returned.
- On February 20, 2020, Erving Elementary, in Trenton, Michigan, administered epinephrine to a 10-year-old, female student. The student had no known allergies, and informed administration that someone in class was eating peanuts, and that she was experiencing shortness of breath and having difficulty breathing. School staff administered epinephrine, called EMS, and contacted the student's guardian. The student was taken by EMS to the emergency room in stable condition.
- On March 5, 2020, St Joseph School District, in St. Joseph, Michigan, administered epinephrine to a 13-year-old, male student. It is believed that the student came in to contact with pine nuts, leading to an odd feeling in his throat. The district contacted EMS, as well as the student's mother, and administered auto-injectable epinephrine.

- On March 9, 2020, Niles Community Schools, in Niles, Michigan, administered epinephrine to a 14-year-old, female student. A student shared cashews with the ill student, who was unaware that she had any food allergies. As soon as the cashew was ingested the student started to experience a neck rash, red line around her lips, red eyes, burning tongue, itchy throat, and difficulty swallowing. As a result of the symptoms, the school's office was notified, and the principal's secretary administered epinephrine for the student. The school contacted EMS, and while waiting for medical staff, the student's symptoms began to de-escalate. EMS transported the student to the emergency room where the student was held for 4 hours for observation. The student's parents were able to take the student home once the observation period ended.
- On September 2, 2020, an 8-year-old, female student, at Fremont Public Schools' Pathfinder Elementary, in Fremont, Michigan, was stung on the playground 12 times by bees. The student had swelling and hives over her trunk, arms, and legs, and her condition began to worsen. The student was administered 0.15 mg from an auto-injectable epinephrine device, and EMS was called, as well as the student's mother. The student's condition stabilized, and the student's mother transported the student to the emergency room. The student was able to return to the school the following day.