

# **Incidents of the Use of Auto-Injectable Epinephrine**

Pursuant to Public Act 221 of 2015,  
MCL 333.17744d

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Licensing**

Reporting Period: January 1, 2019 – December 31, 2019



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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](http://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](http://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, 2019 to December 31, 2019, LARA received 11 completed *Report on the Administration of Auto-Injectable Epinephrine* reports. Summaries of the 11 incidents detailed in the completed reports are as follows:

- On January 2, 2019, Swartz Creek High School, reported to LARA, an administration of auto-injectable epinephrine that occurred in December of 2018. In the incident, a 15-year-old, female, student, arrived in the high school's office, and reported that she was itchy and that her lips were swollen. School staff immediately called the student's mother, and gave ice to the student. After asking the student what she had eaten, staff determined that circumstances were escalating, and that it may not be prudent to wait for the student's mother to arrive. School staff contacted the student's mother again, and informed her that they would be administering epinephrine to the student. Epinephrine was administered by school staff and 911 was contacted. Paramedics arrived at the school and administered care, and the student's mother ended up taking the student to the emergency room.
- On January 23, 2019, a 17-year-old, at the East Quadrangle Residence Hall, at the University of Michigan, in Ann Arbor, Michigan, was approached by a House Security Officer, and informed the officer that his tongue was swollen, his neck was swelling, and that breathing was becoming difficult. The male had a known nut allergy, and had just consumed broccoli. The officer called 911 and asked if the male had an epipen with him. When the male responded that he did not have an epipen, the officer took the individual to his office, and administered an epipen in the male's right thigh with his consent. After the epinephrine was administered, the male vomited twice, and was eventually transported to the University of Michigan's emergency room, by Huron Valley Ambulance.
- On April 9, 2019, a male student, at the University of Detroit Jesuit High School and Academy, in Detroit, Michigan, relayed to the school's health professional that he believed he had possibly ingested nuts. The student was given 50mg of Benadryl, and displayed no anaphylactic symptoms. However, 45 minutes after being given Benadryl, the student's condition changed, and the student began to develop swelling and wheezing. School staff administered epinephrine to the student, and his parents were called, as well as EMS. EMS arrived at the school and the student was transferred to the emergency room.
- On May 21, 2019, a female, 13-year-old student, at Brownstown Middle School, in Brownstown, Michigan, reported to the school's office that both of her eyes were swollen, almost shut, and that she was having difficulty breathing, with shortness of breath. Staff at the school identified the situation as severe anaphylaxis, and epinephrine was administered to the student. EMS was immediately contacted after the epinephrine was administered. The student experienced relief from anaphylaxis symptoms and EMS arrived, and the student's mother was contacted. The student reported having no known allergies, and reported that she had eaten blueberries and raspberries for breakfast. The student was transported to the emergency room by EMS.

- May 24, 2019, a female teacher at Cedar Springs High School, in Cedar Springs, Michigan, stated that she had a rash and hives all over her body. The rash was visible all over the teacher's body. Epinephrine was administered to the teacher by another school employee, leading to the rash and hives beginning to subside. An additional staff member of the school drove the teacher to a medical center for further evaluation and observation.
- On September 24, 2019, a male, 13-year-old student, at Upton Middle School, in St. Joseph, Michigan, reported to school staff that he ate a Carolina Reaper Pepper that was offered to him by a classmate. After ingesting the pepper, he felt as though he was having an allergic reaction, and indicated to school staff that he was "allergic to everything". The student was shaking and exhibiting shallow, rapid breathes. The student requested that epinephrine be administered, and staff administered the substance, while also calling 911. The student's parents were called, and they arrived at the school shortly after paramedics did. The student drank 2-3 milks and water, and also put milk on his face and hands, before throwing up twice in the bathroom. Paramedics did not believe that the student's reaction to the pepper was an allergic one, and the student was released to his parents. The student was not transported to the emergency room.
- On September 26, 2019, a female, 13-year-old student, at Niles Community Schools, in Niles, Michigan, consumed a container of yogurt that she thought was cherry, and did not realize was raspberry. After eating the yogurt, the student became itchy on her arms and legs and started to have difficulty breathing. Epinephrine was administered to the patient and she was transported to the hospital.
- On October 24, 2019, a male, 17-year-old student, at the Bay-Arenac Intermediate School District, in Bay City, Michigan, was exposed to peanuts on the bus to the Career Center. A student in the seat behind the male was eating a candy bar with peanuts. The student came to the center's office upon arrival, and reported bad hives. An administrator contacted the student's parent, who suggested that the student be administered epinephrine. The epinephrine was administered, and the student's parent arrived to take the student to the doctor.
- On December 2, 2019, a female, 10-year-old student, at Woodhaven Brownstown School District, in Woodhaven, Michigan, accidentally ingested a candy bar that contained nuts. The student immediately indicated that her stomach was upset and went to the school's office. When the student arrived at the office she informed school staff that she was itching, had a fuzzy throat, and an upset stomach. Upon school staff realizing that the student was exhibiting symptoms of severe anaphylaxis, EpiPen Junior was administered to the student, and EMS were called. The student's parents were also contacted. The student was noted to be stable upon arrival of the school nurse and EMS to the scene. The student's mother declined transfer of the student to the emergency room, and the student was taken home.
- On December 13, 2019, a female, 13-year-old student, at Linden Grove Middle

School, in Kalamazoo, Michigan, began to feel ill after consuming a donut in the morning. The student had a known apple allergy, and after eating the donut, began to experience hives, itchiness, and a rash. By the time the student reported to the student services office at the school, she was experiencing shortness of breath, and audibly wheezing. Epinephrine was administered, and 911 was called, as well as the student's parents. The student was transferred to the emergency room.

- On December 13, 2019, an adult male, dining employee, at East Quadrangle Residence Hall, experienced an allergic reaction to peanuts that he had consumed in a rice sauce. Housing Security Officers found the male sitting in a chair, looking flushed. The male informed the officer that he had consumed some rice with a sauce that contained peanuts, and that he was unaware that peanuts were in the sauce. The male then went to the bathroom and began to throw up, as well as experience dizziness, shortness of breath, difficulty breathing, a tight throat, and a tight chest. After receiving consent from the male, the officer administered epinephrine to the individual's upper right thigh. Approximately two minutes after administration, the male indicated that he could breathe better and that his throat did not feel as tight. Huron Valley Ambulance was called, and transported the male to Mott emergency room.