Incidents of the Use of Auto-Injectable Epinephrine

Pursuant to Public Act 221 of 2015,
MCL 333.17744d

December 31, 2022

Prepared by:

Bureau of Professional Licensing

Amy Gumbrecht, Director

Reporting Period: January 1, 2022 – December 31, 2022

GRETCHEN WHITMER
GOVERNOR

ORLENE HAWKS
DIRECTOR

Table of Contents

	Page
Executive Summary	3
Background	3
Auto-Injectable Epinephrine Report	4

Executive Summary:

The report 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/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, 2022, to December 31, 2022, LARA received 21 (twenty-one) completed *Report on the Administration of Auto-Injectable Epinephrine* reports. Summaries of the incidents detailed in the completed reports are as follows:

- On January 9, 2022, a Housing Security Officer at the University of Michigan administered epinephrine to a 19-year-old male student who presented with an allergic reaction to eating shrimp as follows: dizzy, lightheaded, swollen lips, numbness in ears, as well as soreness, blurry vision, was disoriented and unable to walk. It was noted that 911 was called and the student was transported to the emergency room. The student had no known allergies to shrimp prior to the incident.

- On February 8, 2022, an Athletic Trainer at Woodhaven Brownstown School District administered epinephrine to a 15-year-old female student who presented with an allergic reaction to a protein bar with cashews in it as follows: shortness of breath, itching in the lips, tightness in the throat and feelings of panic. It was noted that 911 was called and the student was transported to the emergency room. The student's mother was also called. The student had no known allergies to cashews prior to the incident.

- On April 9, 2022, a Housing Security Officer at the University of Michigan Department of Public Safety & Security – Housing Security administered epinephrine to a 21-year-old female student who presented with an allergic reaction to eating dairy as follows: facial swelling, throat tightness, difficulty breathing. It was noted that a hospital ambulance service was called, and the student was taken to the emergency room. The student acknowledged an allergy to dairy.

- On May 16, 2022, a Secretary at Niles Community Schools administered epinephrine to a 15-year-old female student who presented with an allergic reaction to raspberry juice that was spilled on her as follows: itchy skin and throat, difficulty in talking. It was noted that 911 was called and that the student was transported to a local hospital. The student was known to have an allergy to raspberries.

- On May 16, 2022, a Teacher at Thornapple Kellogg Schools administered epinephrine to a 4-year-old male student who presented with an allergic reaction as follows: rash on his face, coughing, and throat pain. It was noted that 911 was called and that the student was transported to the emergency room. What caused the reaction was unknown. The information indicated that the student had his own supply of epi-pens at the school.

- On May 23, 2022, the Principal's Secretary at West Middle School at Rochester Community Schools administered epinephrine to a 14-year-old female student who presented with an allergic reaction to a cookie that contained nut products as follows: tongue, lips, and throat tingling sensations. It was noted that 911 was called, but the student was not transported to the emergency room. The student had a known peanut allergy.

- On May 24, 2022, a Registered Nurse at Detroit Community Schools administered epinephrine to a 9-year-old male student who presented with an allergic reaction as follows: hives on face/neck, trouble breathing, feeling of lump in throat, decreased heart rate. It was noted that 911 was called and that the student was transported to the emergency room. It was unknown what specific food the student ate that caused the reaction. The student had known allergies to strawberries and peanuts.

- On August 26, 2022, a Registered Nurse at Kraft Meadows Intermediate School administered epinephrine to an 11-year-old female student who presented with an allergic reaction to a [non-specified] cookie as follows: watery eyes, runny nose, rash on upper chest/lower neck, abnormal agitation and moving hands from neck/chin to nose while inhaling and making grunting noise, as well as some difficulty breathing. It was noted that 911 was called and that the student was transported to the emergency room. The student had no known food allergies.

- On September 1, 2022, the Attendance Secretary at Niles Community Schools administered epinephrine to a 15-year-old female student who presented with an allergic reaction after eating a snack (unknowingly containing peanuts) as follows: felt warm, tongue tingling and shortness of breath. It was noted the 911 was called and the student was transported to an emergency room. The student was known to have an allergy to peanuts.

- On September 8, 2022, the Attendance Secretary at Niles Community Schools administered epinephrine to a 15-year-old female student who presented with an allergic reaction as follows: hives/rash, scratchy throat and difficulty breathing. It was noted that 911 was called and the student was transported to an emergency room. The student was known to have an allergy to blueberries.

- On September 16, 2022, a Registered Nurse at Cranbrook Brookside Lower School administered epinephrine to a 4-year-old male student who presented with an allergic reaction after eating fish at lunch as follows: Pruritic rash on left arm and mouth “felt funny”. It was noted that 911 was called, but the student was released by the paramedics to his father. The student had known allergies to fish.

- On September 21, 2022, a Registered Nurse at North Branch Area Schools administered epinephrine to an 8-year-old male student who presented with an allergic reaction to an [unspecified] insect sting as follows: hives, itchiness, coughing and was flushed. It was noted that 911 was called and the student was transported to an emergency room. The student was not known to have allergies to insect stings.

- On October 6, 2022, the Attendance Secretary at Niles Community Schools administered epinephrine to a 16-year-old female student who presented with an allergic reaction as follows: hives/rash, scratchy throat and difficulty breathing. It was noted that 911 was called and the student was transported to an emergency room. The student was known to have allergies to blueberries and raspberries.

- On October 6, 2022, a District Nurse at Kalamazoo Public Schools, Maple Magnet School of the Arts, administered epinephrine to a 13-year-old male student who presented with an allergic reaction to a peanut product as follows: swelling of eyes, mouth, throat, difficulty breathing, and dizziness. It was noted that 911 was not called. The father was called, came to the school, and ultimately transported his son to the emergency room. The student was not known to have a peanut allergy prior to the incident.

- On October 12, 2022, a School Nurse at Freeman Elementary administered epinephrine to an 11-year-old male student who presented with an allergic reaction to an unknown substance or condition as follows: cough, congestion, abdominal discomfort, generalized itching, rash and hives, tachypnea, sweating, irritability, red eyes and sneezing. It was noted that 911 was called and that the student was transported to the emergency room.

- On November 1, 2022, the Attendance Secretary at Niles Community Schools administered epinephrine to a 16-year-old female student who presented with an allergic reaction as follows: hives/rash, scratchy throat and difficulty breathing. It was noted that 911 was called and the student was transported to an emergency room. The student was known to have allergies to blueberries and raspberries.

- On November 1, 2022, the Attendance Secretary at Niles Community Schools administered epinephrine to a 16-year-old female student who presented with an allergic reaction as follows: itchy and difficulty breathing. It was noted that 911 was called and the student was transported to an emergency room. The student had no known allergies and it was unknown what the student came in contact with prior to the allergic reaction.

- On November 16, 2022, a School Nurse at Flint Community Schools-Accelerated Learning Academy administered epinephrine to a 17-year-old female student who presented with an apparent allergic reaction to an apple crisp at lunch as follows: swollen throat, angioedema, and oral itching. The mother was contacted. It was noted that 911 was called and that the student was transported to the emergency room.

- On November 21, 2022, a Supervisor at Lake Orion Community Schools Learning Options High School administered epinephrine to a 17-year-old male student who presented with an allergic reaction as follows: tight/constricted throat, trouble swallowing and breathing, and itchy rash. It was noted that 911 was called and that the student was transported to an emergency room. It was unknown what caused the reactions. The student was not known to have any allergies.

- On November 30, 2022, the Attendance Secretary at Niles Community Schools administered epinephrine to a 16-year-old female student who presented with an allergic reaction as follows: difficulty breathing. It was noted that 911 was called and the student was transported to an emergency room. The student had known allergies to all varieties of berries and had had contact with another student that had handled berries prior to the allergic reaction.

- On December 5, 2022, the Principal at Saginaw Public School District/Zilwaukee School administered epinephrine to a 12-year-old male student who presented with an allergic reaction to pistachios as follows: throat closing up, hard time talking and breathing a little fast. It was noted that 911 was called, but the student was not transported to the emergency room. The student was noted to have a nut allergy and had a supply of his own epi-pens at the school.