

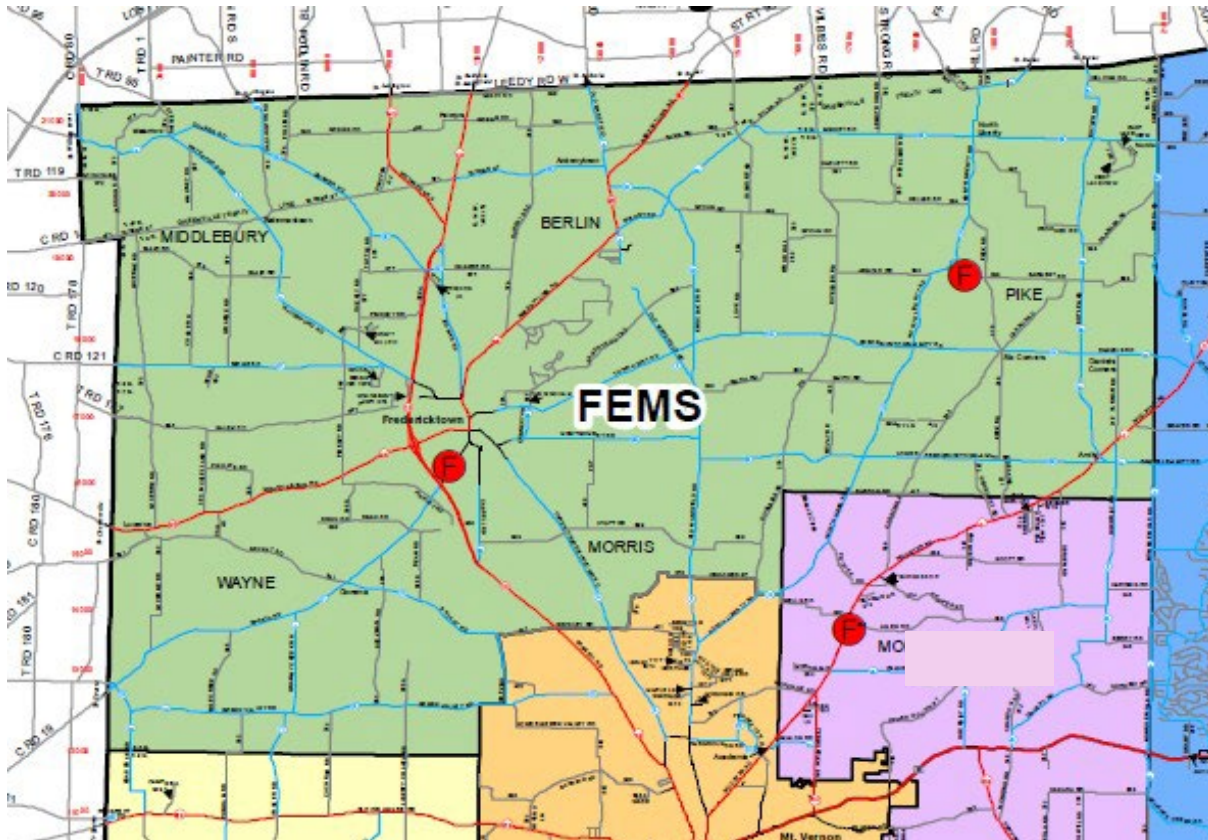
# 2024 Year in Review



## 2024 Fredericktown EMS Annual Report

Fredericktown EMS experienced a 3% increase in call volume in 2024, responding to a total of 1,138 calls, reflecting the ongoing dedication and professionalism of our team. In addition to these calls, we managed an additional 44 reports due to incidents involving multiple patients, ending 2024 with 1,182 total reports.

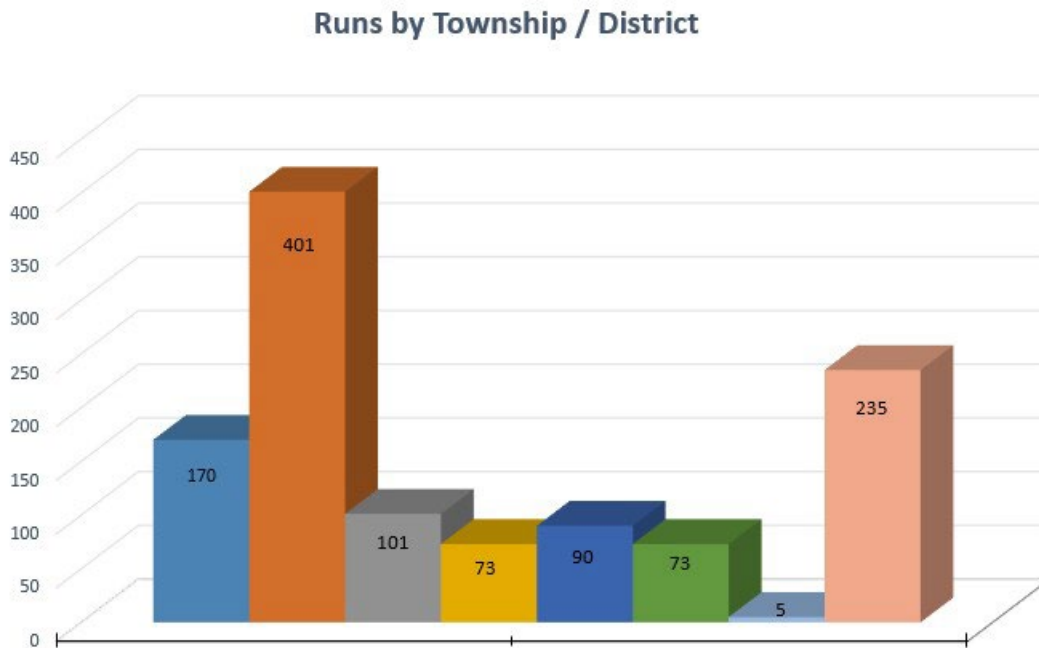
Serving an expansive 118-square-mile rural area with a population of nearly 9,000, our average response time was 7 minutes and 5 seconds, demonstrating our efficiency in delivering prompt, lifesaving care. Our station, located in the northwestern part of Knox County in the Village of Fredericktown, is staffed around the clock with at least two EMS providers (minimum of one Paramedic). We operate two Advanced Life Support ambulances, outfitted with cutting-edge technology for a one wide range of emergency treatments, including cardiac care, pulmonary support, trauma care, and injury management. All services are conducted under the Medical Direction of Dr. Aaron Wilson, ensuring that our EMTs, AEMTs, and Paramedics provide the highest standard of care to the Fredericktown community.



## Geographic Distribution of Calls

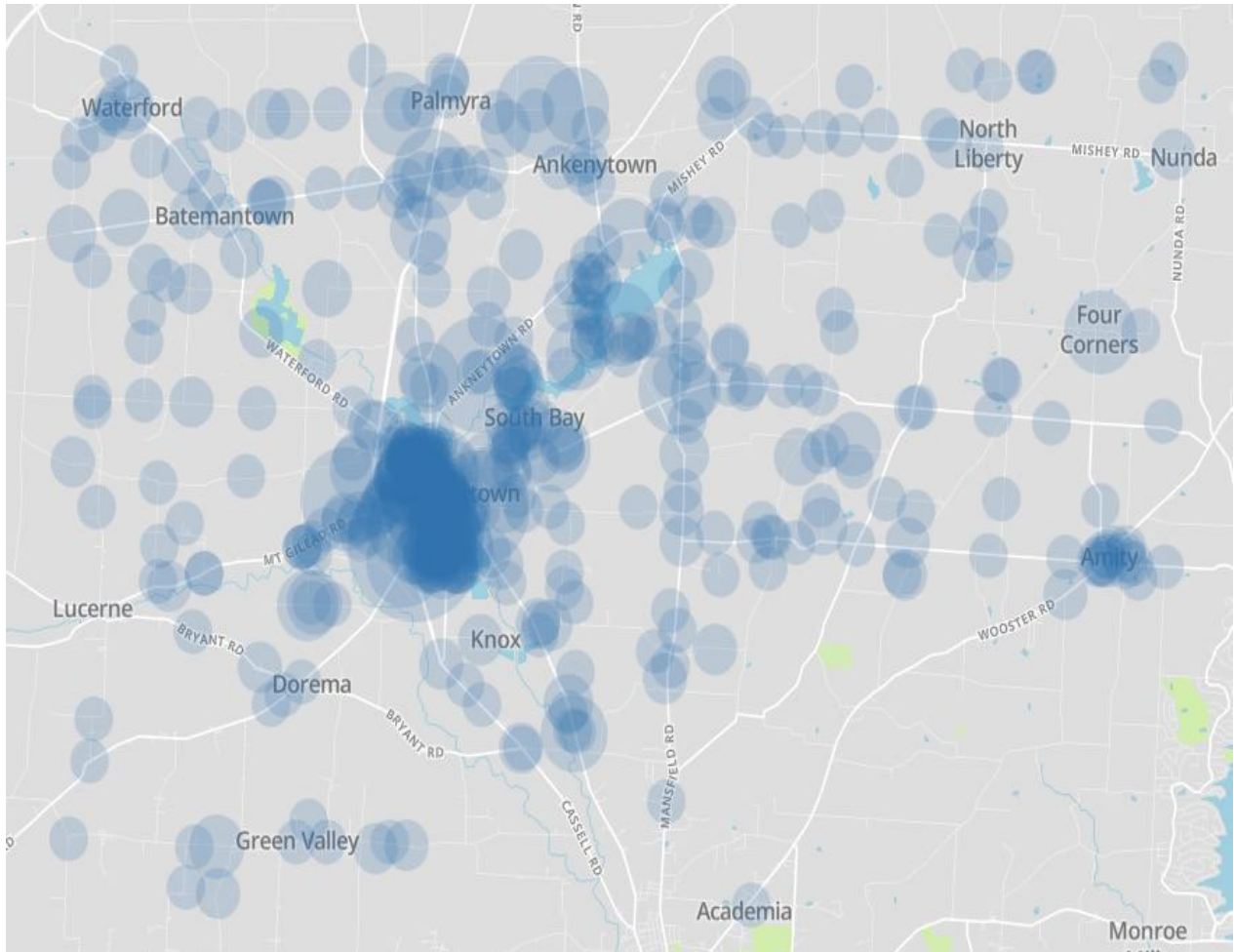
The breakdown of calls across our six primary service zones and mutual aid areas are as follows:

- **Village of Fredericktown:** 401 runs
- **Berlin Township:** 170 runs
- **Pike Township:** 101 runs
- **Wayne Township:** 73 runs
- **Middlebury Township:** 90 runs
- **Morris Township:** 73 runs
- **Perry Township (Richland County):** 5 runs
- **Mutual Aid Runs:** 235 runs



**Monthly Call Volume** Call distribution throughout the year shows patterns of higher activity in specific months:

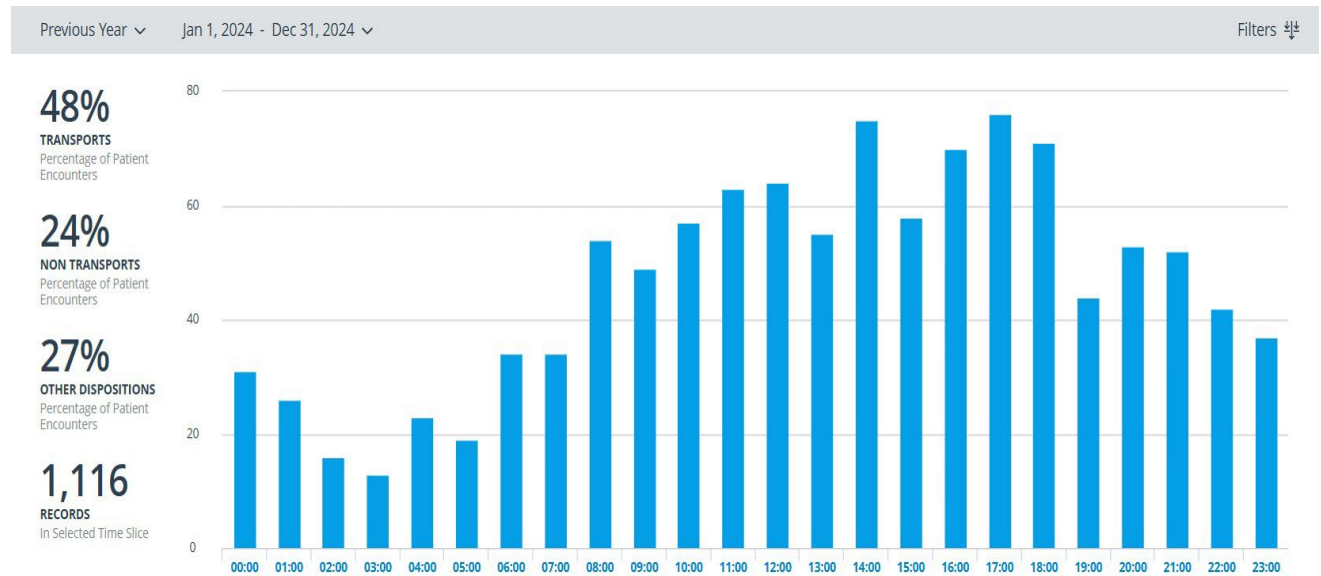
- **Busiest Month:** July (112 calls)
- **Second Busiest Month:** December (105 calls)
- **Third Busiest Month:** February and May (100 calls each)
- **Fourth Busiest (Tied):** April, September, and November (92 calls each)
- **Fifth Busiest (Tied):** March and October (89 calls)
- **Remaining Months:**
  - June: (87 calls)
  - August: (80 calls)
  - January: (78 calls)



This heat map provides a visual representation of the run volume for the primary response area of Fredericktown EMS.

**Hourly Call Volume** Peak activity times occurred during the late afternoon and early evening, with the busiest 12 hours of the day as follows:

1. **17:00:** 76 calls
2. **14:00:** 75 calls
3. **18:00:** 71 calls
4. **16:00:** 70 calls
5. **12:00:** 64 calls
6. **11:00:** 63 calls
7. **15:00:** 58 calls
8. **10:00:** 57 calls
9. **13:00:** 55 calls
10. **08:00:** 54 calls
11. **20:00:** 53 calls
12. **21:00:** 52 calls



## Patient Transport and Scene Activity

- **Average Response Time:** 07 minutes, 05seconds
- **Average Scene Time:** 19 minutes, 22 seconds
- **Average Transport Time:** 19 minutes, 23 seconds
- **Total Patients Transported:** 561
  - Knox Community Hospital: 490
  - Ohio Health Mansfield: 54
  - Other Hospitals: 17
- Mutual aid was received 19 times from other EMS agencies, and 121 double runs were logged, requiring the deployment of a second ambulance while one was already committed to other calls for service.



## 2024 Mission: Lifeline® EMS Recognition

The American Heart Association proudly recognizes

### Fredericktown Community Joint Emergency Ambulance District Fredericktown, Ohio

**Mission: Lifeline®-EMS - SILVER**  
Achievement Award

The American Heart Association/American Stroke Associations recognizes this prehospital provider organization for demonstrating continued success in using the **Mission Lifeline®** program.

Thank you for applying the most up-to-date evidence-based treatment guidelines to improve patient care and outcomes in the community you serve.\*

Handwritten signature of Nancy Brown in black ink.

**Nancy Brown**  
Chief Executive Officer  
American Heart Association

Handwritten signature of Joseph C. Wu in black ink.

**Joseph C. Wu, MD, PhD, FAHA**  
President  
American Heart Association

\*For more information, please visit [Heart.org/MissionLifeline](https://Heart.org/MissionLifeline)



***Fredericktown EMS was awarded the AHA Mission Lifeline Award for the care that they provide to their patients experiencing STEMI's and/or Strokes. The department is one of less than 600 agencies that received this award this year.***

**Shift and Unit Workload** Traditionally operating on a 24-hour on/48-hour off schedule, our shifts are divided into 1 Unit, 2 Unit, and 3 Unit. The distribution of calls handled by each shift was as follows:

- **3 Unit:** 414 calls (35%)
- **1 Unit:** 391 calls (33%)
- **2 Unit:** 377 calls (32%)

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**Vehicle Utilization** Fredericktown EMS operates two primary 4x4 ambulances, a 2015 Braun and a 2020 McCoy/Miller are equipped with Stryker Power-Load systems and Power Cots capable of safely lifting and transporting bariatric patients, powered stair chairs, video laryngoscopy and new Life Pak 35 cardiac monitors capable of diagnostic quality 15 lead ECG's

In 2024:

- **2015 Ambulance:** Responded to 580 calls
- **2020 Ambulance:** Responded to 583 calls. The remaining calls were handled by our UTV, station vehicle, or personal owned vehicles, emphasizing our adaptability in various scenarios.



**Patient Demographics** Our EMS team provided care to over 920 patients in 2024. The demographics were as follows:

- **Age Distribution:**
    - 55+ years: 568 patients
    - 36-54 years: 168 patients
    - 18-35 years: 119 patients
    - Under 18 years: 71 patients
  - **Gender Distribution:**
    - Female: 514 patients
    - Male: 411 patients
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## **Conclusion**

In 2024, the Fredericktown EMS team showcased remarkable efficiency, professionalism, and commitment to excellence. Responding to 1,138 calls for service and generating 1,182 reports, our team continued to deliver exceptional care across a 118-square-mile service area. Despite the three percent (3%) increase in call volume, we maintained an impressive average response time of just over 7 minutes, ensuring prompt and effective emergency care for the community.

Our ongoing dedication to providing top-tier service is evident in the consistent performance of both our team members and the advanced equipment at our disposal. As we look ahead to 2025, Fredericktown EMS remains unwavering in its mission to serve and protect the community with the highest level of care and professionalism.

Thank you for your continued support of the members while they carry out the department's mission of providing emergency medical care to those in their time of need.

Stay Safe,



Chief Rick Lanuzza