



2023
FIRE
ANNUAL
REPORT

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MISSION STATEMENT We, the members of Lancaster Fire Department, are committed to our community by providing excellence in emergency response services. We recognize our role and will continue the tradition of protecting and enhancing the quality of life for our citizens, and our visitors, with a focused commitment to provide well trained, highly motivated, and properly equipped personnel.

VISION STATEMENT The Lancaster Fire Department aims to be the premier all-hazards emergency response department in south central Ohio. Through integrity, professional development, stewardship and compassion, our department will be set on a predictable and sustainable course for the future.

VALUE STATEMENT

1. We recognize the citizens are the reason for our presence.
2. We value the trust the citizens place in us, and we will continually strive to build upon trust by having a positive attitude, professional conduct and providing value added service.
3. We value lives more than property.
4. Everyone deserves our best.



LFD ORGANIZATION

- 1 – Chief
- 1 – Asst. Chief
- 1 – Administrative Asst.
- 4 – Battalion Chiefs
- 12 – Lieutenants
- 61 – Firefighters/Paramedics
- 1 – Inspector/Firefighter
- 1 – 40-Hr. Inspector
- 1 – Community Paramedic



CHIEF
STEVE MAFFIN



ASST. CHIEF
SLADE SCHULTZ



BATT. CHIEF
LARRY MOORE



BATT. CHIEF
GEORGE
BANJOFF



BATT. CHIEF
CRAIG SPILLER



BATT. CHIEF
MIKE LONG



LT. SHAWN
KLAAMEYER



LT. JOSH
HARRIS



LT. COREY
SNOKE



LT. BRIAN
MCQUEARY



LT. JAMES
BAKER



LT. ERIC
SIMPSON



LT. CHRIS
WICKISER



LT. DARRELL
WALLACE



LT. JEREMY
KRANER



LT. DAVE
JENKINS



LT. RYAN
GARD



LT. NATHAN
SHARP



Engine House No.1
254 E. Chestnut St.

Constructed: 1898

Frontline Apparatus: Tower 1, Medic 1, Battalion 1, Medic 4



Engine House No. 2
601 Harrison Ave.

Constructed: 1957

Frontline Apparatus: Engine 2, Medic 2, Grass 2



Engine House No. 3
1596 E. Main St.

Constructed: 1966

Frontline Apparatus: Engine 3, Medic 3, CPU-1
Houses Administration and Prevention/Investigation

LFD REAL ESTATE

FRONTLINE APPARATUS

ENGINE HOUSE NO. 1

Tower 1: 2006 Sutphen SPH 100'
 Medic 1: 2016 Horton
 BN-1: 2022 Ford Explorer
 Medic 4: 2022 Horton

ENGINE HOUSE NO. 2

Engine 2: 2020 Rosenbauer
 Medic 2: 2019 Horton
 Grass 2: 2022 Ford F-350

ENGINE HOUSE NO. 3

Engine 3: 2013 Rosenbauer
 Medic 3: 2023 Horton
 FP-1: 2018 Ford Explorer



RESERVE/STAFF EQUIPMENT

EQUIPMENT	CONDITION
2023 Ford Explorer (2) – Chief’s & Admin BC’s Cars	Excellent
2019 Ford Explorer – Chief’s Car.....	Excellent
1994 Scotty Safety House.....	Fair
2012 Rosenbauer.....	Good
2020 Ford 250.....	Excellent
2008 Chevrolet Tahoe.....	Fair
2013 Horton Medic.....	Fair
2008 Horton Medic.....	Fair

LFD COMMUNICATIONS

The Lancaster Fire Department enhanced our communication reliability and interoperability by investing \$250,000 to transition all our mobile and portable radios into a state-wide network in 2023. The Multi-Agency Radio Communication System (MARCS) is Ohio's wireless, digital communication network for first responders that enables State, local and federal agencies to communicate instantly with one another during public safety events. The 911 dispatch center operated by Lancaster Police Department, who dispatches Fire and EMS calls for LFD, transitioned to new Tyler Technologies Computer Aided Dispatch software. The new program improves interoperability between all public safety departments in our area and incorporates new mobile data terminals in all LFD apparatus to improve response times and communications. The new software was made possible from funding from the Fairfield County Commissioners with no cost to the City.

Fire Department Staffing

Frontline Staff: The Lancaster Fire Department's frontline response vehicles are staffed with a minimum of 16 personnel, 24 hours a day, 7 days a week, 365 days a year. Below is the minimal staffing model for 2023.

Engine House No. 1

Medic 1	Staffed with three (3) personnel
BN-1	Staffed by the Shift Battalion Chief
Medic 4/Tower 1	Cross-staffed with three (3) personnel

Engine House No. 2

Medic 2	Staffed with three (3) personnel
Engine 2/Grass 2	Staffed with three (3) personnel

Engine House No. 3

Medic 3	Staffed with three (3) personnel
Engine 3	Staffed with three (3) personnel

16 MINIMUM

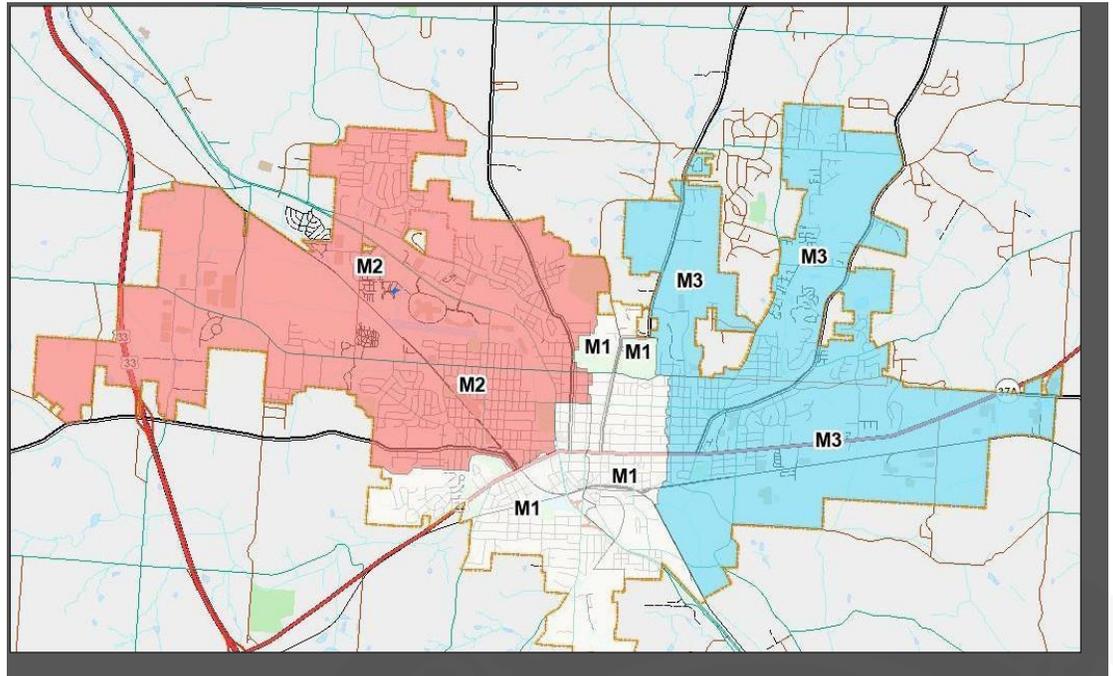
Support/Administrative Staff: The Lancaster Fire Department staffs support vehicles during normal business hours and are available for call in for an emergency.

FP-1	Staffed with one (1) Inspector
CPU-1	Staffed with one (1) Community Paramedic
Unit 1	Staffed by the Chief
Unit 2	Staffed by the Assistant Chief
Unit 3	Staffed by the B/C of Operations

Response Districts

The Lancaster Fire Department separates the 18 square miles of jurisdiction into three (3) response districts; Central (1), West (2), and East (3). The districts have been created as a result of response times, access, and run volume. The map below is a representation of those districts.

West: Red
 Central: White
 East: Blue



2023 TOTAL CALLS BY DISTRICT

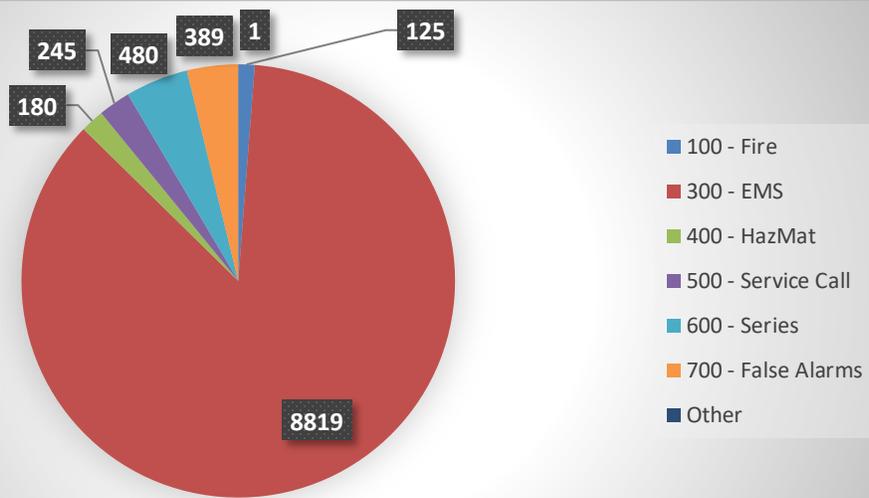
WESTSIDE.....	3,393
EASTSIDE.....	2,275
CENTRAL	3,037
MUTUAL AID and OTHER.....	1,534
Total	10,239

2023 TOTAL INCIDENTS In 2018, Lancaster Fire Department changed reporting software in order to gain a better perspective of the total number of incidents and types of incidents. The incidents are broken down into six (6) categories. These categories correspond with NFIRS (National Fire Incident Reporting System). All incidents are reported to this national database through the State of Ohio Fire Marshal's office.

Total Incidents: 10,239 EMS: 8,821 FIRE: 1,418

Incident Type Breakdown:

EMS/Rescue:	8,819
Fire:	125
Hazard:	180
Service Calls:	245
False Alarms:	389
Community Paramedic:	480



2023 TOTAL INCIDENTS BY QUARTER

1st Quarter Total: 2,483

Fire: 27
 EMS: 2,153
 Hazard: 42
 Service Call: 47
 False Alarm: 98
 Good Intent Call: 116

2nd Quarter Total: 2,575

Fire: 47
 EMS: 2,199
 Hazard: 45
 Service Call: 90
 False Alarm: 86
 Good Intent Call: 108

3rd Quarter Total: 2,579

Fire: 19
 EMS: 2,203
 Hazard: 58
 Service Call: 55
 False Alarm: 114
 Good Intent Call: 125

4th Quarter Total: 2,602

Fire: 32
 EMS: 2,265
 Hazard: 30
 Service Call: 53
 False Alarm: 91
 Good Intent Call: 131

2023 TOTAL INCIDENTS

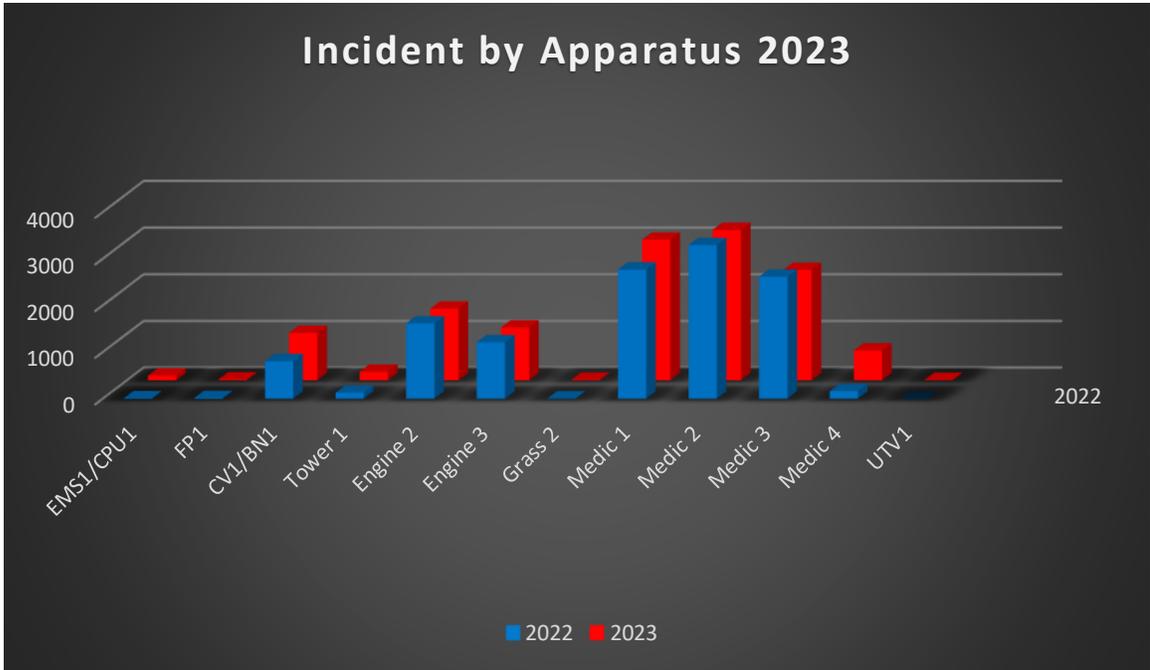


Top 20 Property Breakdown Responses

1 or 2 family dwelling	4,744
Multifamily dwelling.....	1,720
24-hour care Nursing homes, 4 or more persons	963
Residential street, road or residential driveway.....	238
Street or road in commercial area	189
Clinics, doctor offices, hemodialysis centers, other.....	179
Restaurant or cafeteria	148
Jail, prison (not juvenile).....	124
Vehicle parking area.....	107
Street Other.....	103
Mercantile, business, other.....	99
Hotel/motel, commercial.....	98
Doctor, dentist, or oral surgeon office.....	92
Food and beverage sales,grocery store.....	82
Service station/gas station.....	81
Manufacturing, processing.....	79
Boarding/rooming house, residential hotels	77
Church, mosque, synagogue, temple, chapel... ..	66
Undetermined.....	59
Graded and cared-for plots of land.....	55

2023 INCIDENTS BY UNIT Below is a bar graph of the number of incidents each unit responded to in 2023. It is important to understand that this number is higher than the total incidents in 2020. This is because many times, more than one unit responds to a single incident. Tower 1 is cross staffed by the same personnel as Medic 4. When one of those units are on an incident, the other is out of service.

*FP-1 is a support staff unit staffed by one inspector, 7am – 3pm, Monday through Saturday. It only responds when requested by the Shift Battalion Chief.



INCIDENTS BY UNIT

2023 EMS Incidents by complaint

People call 911 for many reasons. During our assessment, we engage the situation and determine the patient’s medical complaint. Below are the 20 most common complaints given to EMS upon our arrival.

20 Most Common Calls for EMS in 2023:

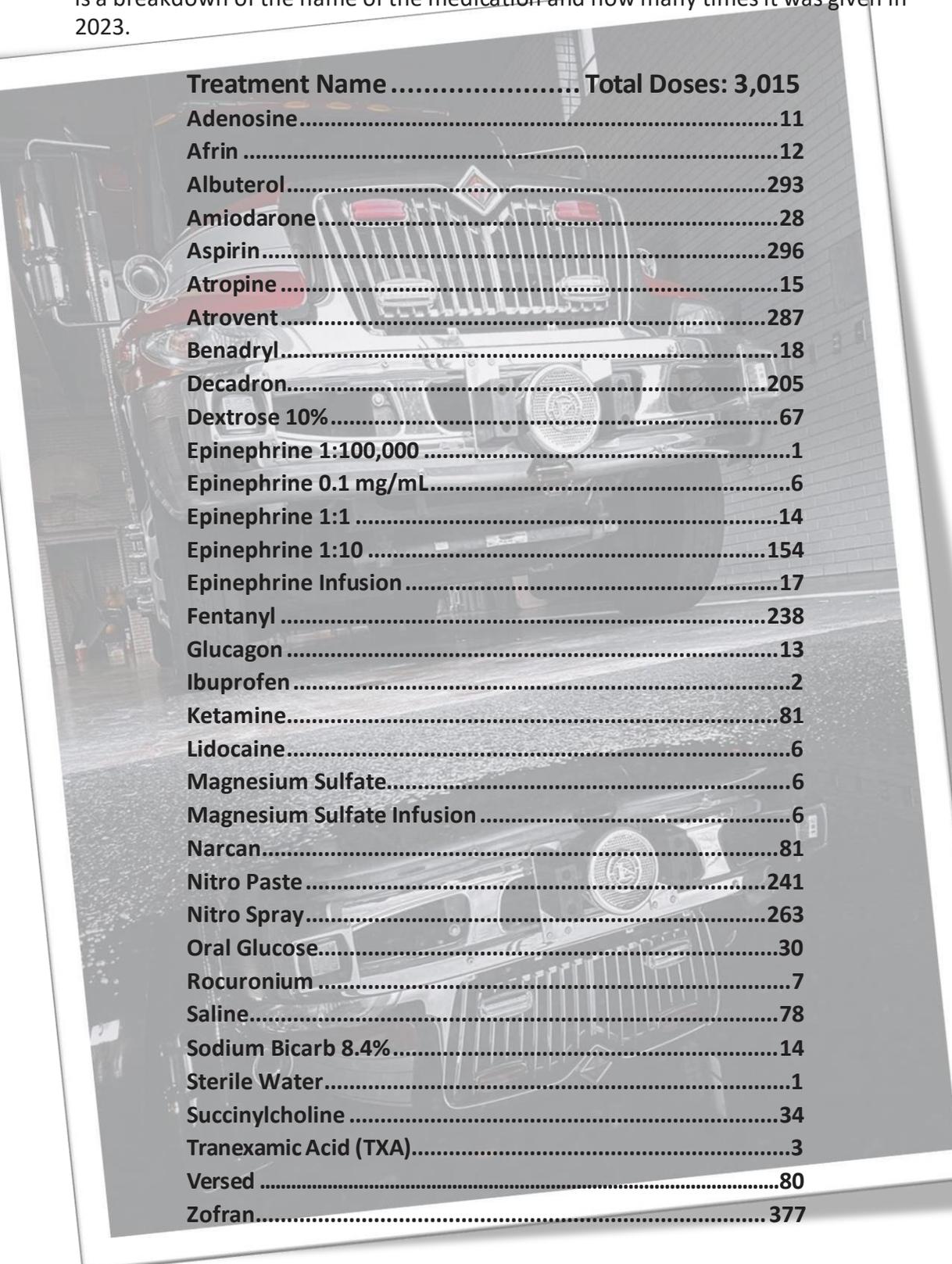
Primary Impression	Number of Calls
No Complaints or Injury/Illness Noted.....	868
Generalized Weakness.....	725
Injury.....	721
Chest Pain / Discomfort.....	414
Abdominal Pain	407
Shortness of Breath	352
Extremity Pain	332
Patient Assist Only.....	328
Anxiety reaction/Emotional upset	302
Altered Mental Status.....	242
Syncope/Fainting.....	231
Back Pain	213
Convulsions.....	212
Dizziness	184
Laceration/Abrasion/Hematoma(minor surface trauma).....	178
Pain (Non-Traumatic).....	158
Acute Respiratory Distress (Dyspnea).....	156
Malaise.....	142
Nausea.....	135
Diabetic Hypoglycemic.....	110

2023 EMS Incidents by Disposition

The disposition of a call is also referred to as the outcome. The list below details the end result of all EMS calls in 2023.

Disposition	Number of Calls
Transported No Lights/Siren.....	5361
Patient Evaluated, No Treatment/Transport Required	1593
Patient Refused Evaluation/Care(Without Transport).....	526
Patient Treated, Release (AMA).....	495
Transported Lights/Siren.....	243
Patient Treated, Released (Per Protocol).....	239
Cancelled (No Patient Contact).....	179
Cancelled on Scene/No Patient Found	168
Cancelled (Prior to Arrival at Scene).....	121
Patient Dead on Scene – No Resuscitation Attempted (Without Transport)	79
Patient Treated, Transferred Care to Another EMS Professional/Unit.....	28
Patient Treated, Transported by Private Vehicle.....	18
Patient Treated, Transported by Law Enforcement	17
Patient Dead on Scene – Resuscitation Attempted (Without Transport)	12
Standby - Public Safety, Fire, or EMS Operational Support Provided	4
Patient Refused Evaluation/Care (With Transport).....	1

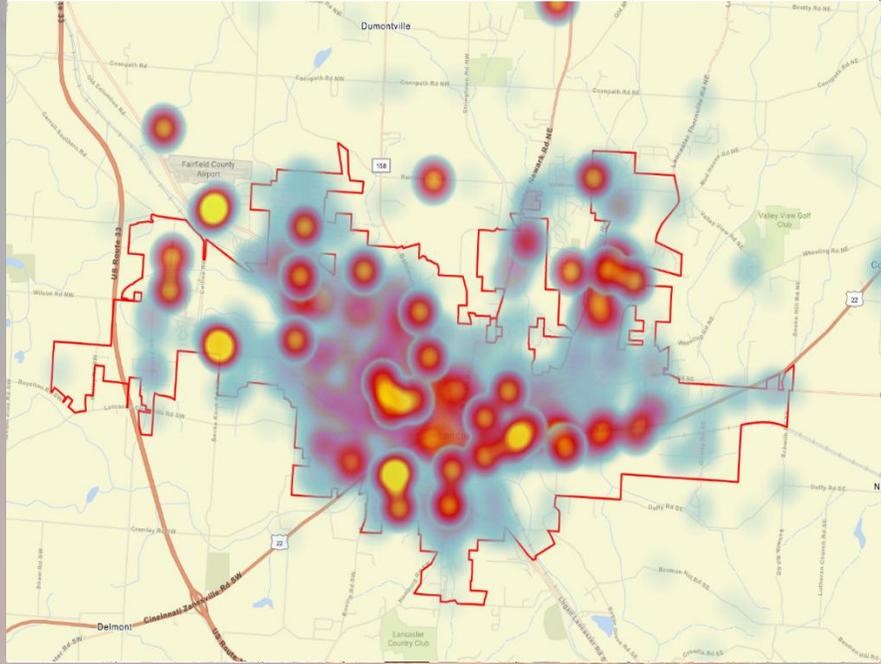
Administered There are about 30 medications Lancaster Fire Paramedics can give to patients that result in treating pain, helping the patient feel comfortable, and saving their life. Patients may require multiple doses of a medication. Below is a breakdown of the name of the medication and how many times it was given in 2023.



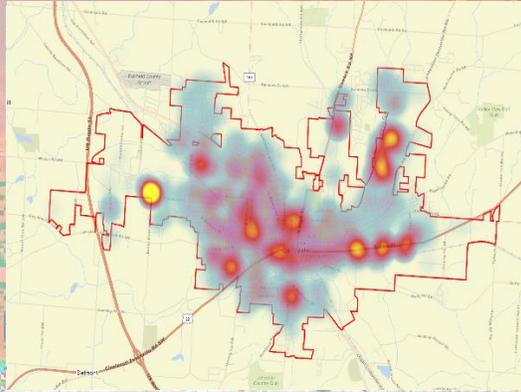
Treatment Name	Total Doses: 3,015
Adenosine.....	11
Afrin	12
Albuterol.....	293
Amiodarone.....	28
Aspirin.....	296
Atropine	15
Atrovent.....	287
Benadryl.....	18
Decadron.....	205
Dextrose 10%.....	67
Epinephrine 1:100,000	1
Epinephrine 0.1 mg/mL.....	6
Epinephrine 1:1	14
Epinephrine 1:10	154
Epinephrine Infusion	17
Fentanyl	238
Glucagon	13
Ibuprofen	2
Ketamine.....	81
Lidocaine.....	6
Magnesium Sulfate.....	6
Magnesium Sulfate Infusion	6
Narcan.....	81
Nitro Paste	241
Nitro Spray.....	263
Oral Glucose.....	30
Rocuronium	7
Saline.....	78
Sodium Bicarb 8.4%.....	14
Sterile Water.....	1
Succinylcholine	34
Tranexamic Acid (TXA).....	3
Versed	80
Zofran.....	377

2023 INCIDENT MAPS

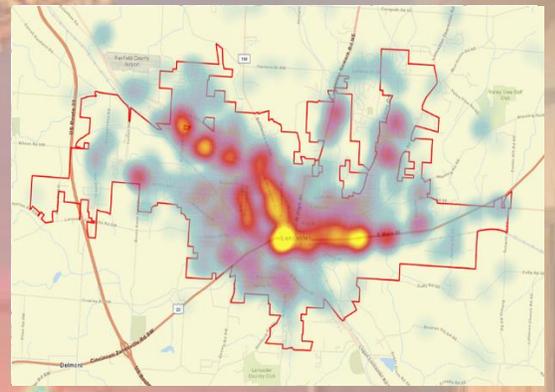
2023 ALL INCIDENTS HEAT MAP



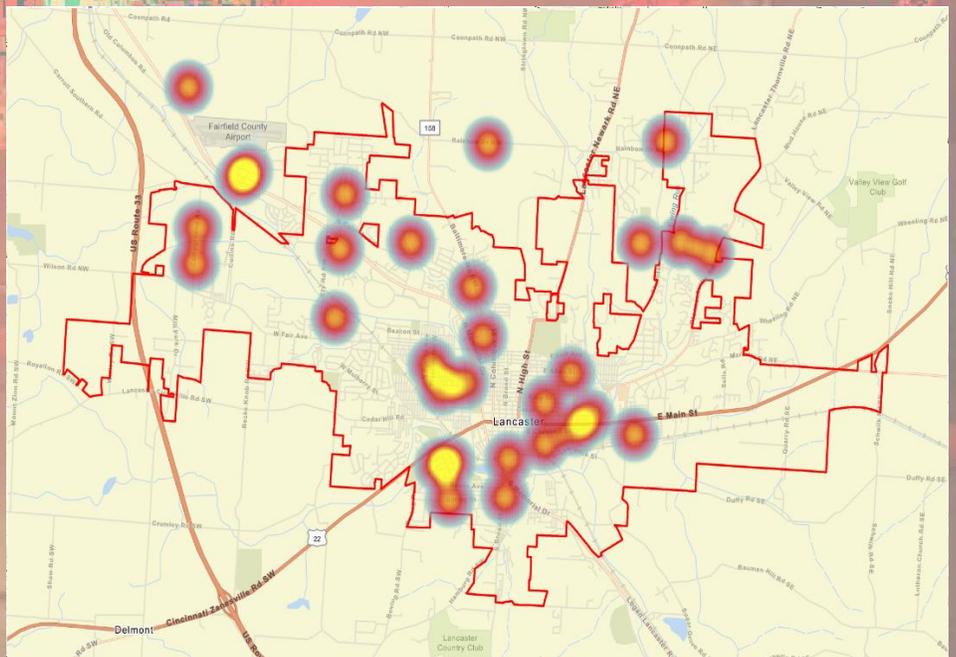
EMS HEAT MAP



FIRE HEAT MAP



2023 STRUCTURE FIRE ONLY



FIRE INCIDENTS BREAKDOWN BY TYPE AND NUMBER

20 Most Common Calls for FIRE in 2023:

<u>Incident Type</u>	<u>Number of Calls</u>
Emergency medical service (EMS) incident.....	8,797
Unintentional system/detector operation (no fire).....	275
Dispatched and cancelled en route.....	199
HazMat release investigation w/no HazMat.....	192
Electrical wiring/equipment problem.....	95
System or detector malfunction.....	93
Public service assistance.....	84
Unauthorized burning.....	78
Structure fire.....	63
Combustible/flammable spills & leaks.....	49
Wrong location, no emergency found.....	44
Steam, other gas mistaken for smoke.....	36
Smoke, odor problem.....	34
Outside rubbish fire.....	26
Water problem.....	22
Chemical release, reaction, or toxic condition.....	19
Malicious, mischievous false alarm.....	17
Natural vegetation fire.....	16
Mobile property (vehicle) fire.....	15
Service call, other.....	14

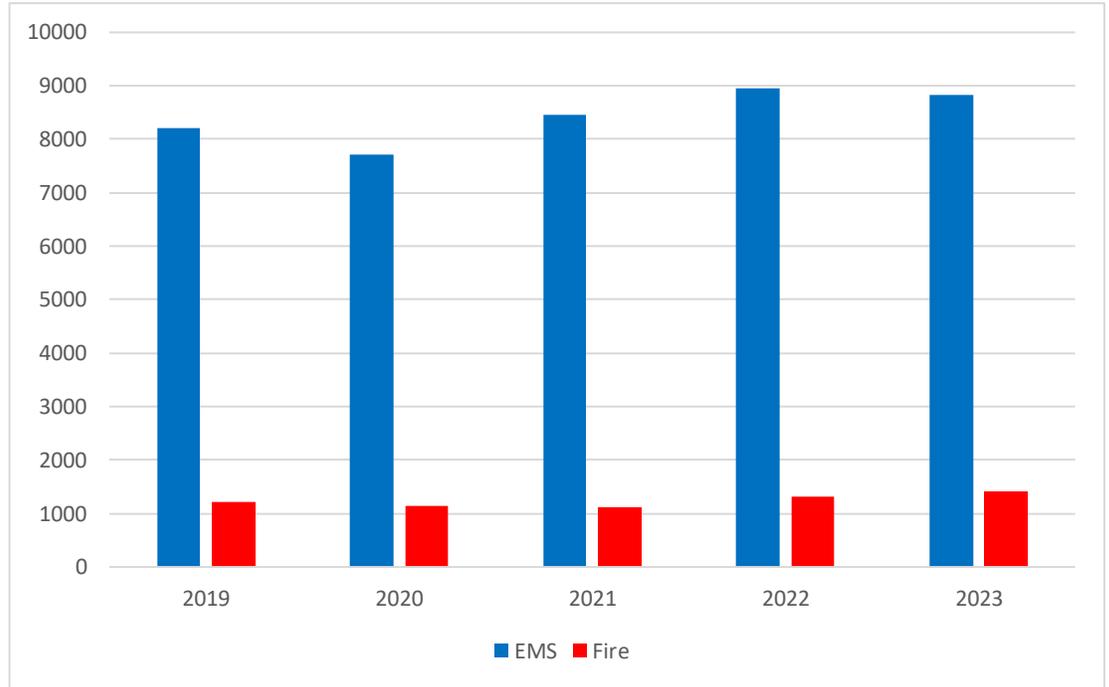
2023 ESTIMATED FIRE LOSS

Estimated Property Loss Fires			
Structure Fires	Estimated Property Loss	Civilian Casualty	Civilian Death
Residential - Private Dwelling	\$585,169.00	6	0
Residential - Apartments	\$151,162.00	2	0
Residential - Other	\$500.00	0	0
Public Assembly		0	0
Schools & Colleges		0	0
Stores and Offices	\$500.00	0	0
Industry, Utility, Defense, Lab		0	0
Storage Structures	\$30,640.00	0	0
Other Structures		0	0
Total Fire Loss:	\$767,971.00		

2023 FIRE INCIDENTS BY TYPE

TOTAL INCIDENT PERSPECTIVE 2019-2023

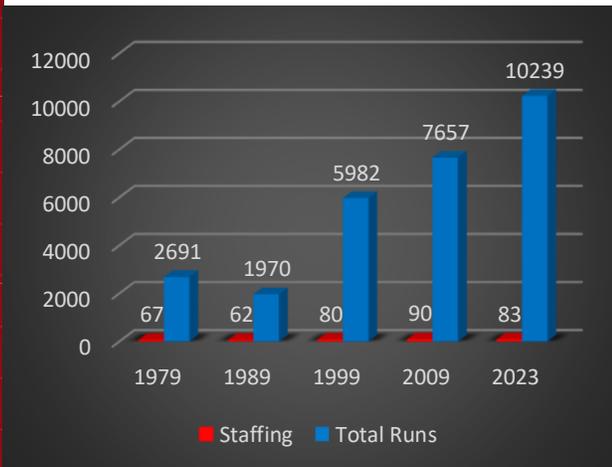
As it appears in this bar graph, it would seem that fire incidents were dramatically reduced in 2021. It is important to understand that in November of 2018, the fire department changed reporting software. Prior to November 2018 the department used separate software for EMS and Fire incidents. Now, we use one software program for all incidents. With the previous software, any incident, that required the response of at least one medic and one engine would create an incident for the engine and the medic separately. With the current software, there is only one incident number created.



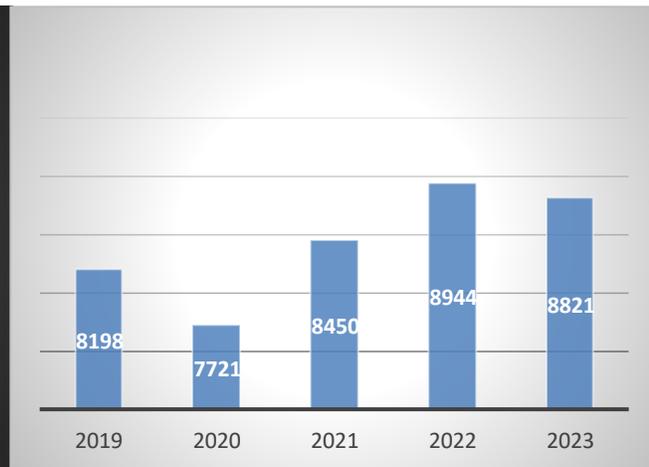
HISTORICAL PERSPECTIVE 1979-2023

Lancaster Fire Department

STAFFING



EMS INCIDENT PERSPECTIVE 2019-2023



2023 INSPECTION INVESTIGATIONS

2023 FIRE INSPECTIONS

Inspection Type	Amount
Annual Inspection - Basic	710
Annual Inspection - Alarm &/or Sprinkler	275
Inspection - Mobile Food Vendor	106
Annual Inspections - Vacant	104
Inspections - Other	57
Inspection - Foster Care/ Adoption	3
Inspection - School (K-12)	14
Inspection - Day-care	7
Permit Inspections – All Types	275
Church (No Permit)	10
Inspection - Complaint Follow-Up	0
Inspection: Fire Protection Only	0
Re-Inspections	896
TOTAL:	2400

Percent Increase Over 2022 – 2.6%

2023 FIRE INVESTIGATIONS

Inspection Type	Amount
Structure Fire	18
Vehicle Fire	1
Other	2
TOTAL:	21

2023 Permits

2023 Permits	Amount
Places of Assembly	138
Repair Garage	76
Motor Fuel Dispensing	40
Flammable and Combustible Liquids	13
Cutting and Welding	9
Underground Storage Tank	6
Lumber Yards and Woodworking Plants	5
Liquid Propane Gas	4
Temporary Membrane Structure	4
Explosives and Fireworks	3
High Piled Storage	3
Waste Handling and Salvage Yard	3
Compressed Gases	2
Cryogenic Fluids	1
Dry Cleaning Plants	1
Hot Work Operations	1
Rooftop Heliport	1
Spraying or Dipping	1
Above and Underground Storage Tank	1
TOTAL:	312

2023 DEPARTMENT TRAINING:



EMS

- 48-Hour Paramedic Refresher
- BiPap
- Pre-Hospital Ketamine
- Medication Safety
- National Disaster Medical System
- Stroke Assessment
- Sports Injuries
- Heads-Up CPR
- Abdominal Pain
- Bleeding & Shock
- Hyperglycemia
- Protocol Review
- Documentation
- Burns
- MEC Competencies
- Traumatic Brain Injury
- Non-Accidental Trauma

Fire

- TIC In-Service
- SOP's
- Vent/Enter/Search
- EVOC
- Rope Rescue
- MARCS In-Service
- Pump Operator
- Standpipe Ops
- Lithium Batteries
- RIT
- Blue Card
- Live Fire Evolutions
- Apparatus Ops
- Night Tower Ops
- Mayday Ops
- Hose Loads
- Auto Extrication
- Parking Garage Fires
- Residential Search
- Elevator Ops
- Fastboard Demo



2023 TRAINING

PUBLIC EDUCATION

DATE	EVENT TYPE	NAME OF EVENT	DESCRIPTION
3.10.23	Show & Tell	AHA Birthday	Children's Event – Touch a truck and equipment
3.20.23	CPR	Training for FCA Staff	CPR Training for FCA Staff
5.09.23	Show & Tell	Community Helpers Week	Fire safety talk & tour of firetruck
5.17.23	CPR	Corvette Club of Lancaster	CPR, AED, and Bleeding
5.20.23	Show & Tell	Kids and Cops	Touch-a-Truck
6.14.23	Other	Flag Day Celebration	Event Representation
6.17.23	Public Education	Gun Violence Awareness	First aid talk, truck display
6.20.23	Show & Tell	Safety Demo	Smokehouse, Fire Gear, Demonstration , Touch-a-Truck
6.23.23	Fire Safety	Fire Safety Discussion	Fire safety presentation at assist living facility.
8.04.23	Show & Tell	Summer Bash CrossFit 740	Touch-a-Truck
8.27.23	Other	Battle of the Badges	FD vs PD Charity Basketball Game
9.11.23	Other	9/11 Ceremony	9/11 Commemorative Ceremony
9.11.23	Other	Blue Mass	9/11 Flag Ceremony
9.29.23	Show & Tell	Smokehouse	Smokehouse Show & Tell
9.30.23	Show & Tell	Fall Festival & Bark in the Park	Touch-a-Truck
10.24.23	Fire Safety	Fire Prevention Week	Smokehouse Show & Tell
10.24.23	Other	Ghoulish Gales Trick or Trear	Pass out candy & Plastic Fire Helmets
11.30.23	Education	Stop the Bleed	Stop the bleed training for the Fairfield Co. Health Dept.



2023 NEW HIRES



FFP JACOB
POWELL



FFP
STEPHEN
DATCHUK



FFP
DOUGLAS
SPRANKLE



FFPT
BREANNA
BLANSETTE



FFPT
COLLIN
FLOYD



FFPT GAVIN
SIMS



FFPT
CAMERON
MALONE





DONATIONS:

\$600



DONATIONS