

Lake Township Fire and EMS Department 2021 Year End Report

The year started out pretty normally but as the year progressed our run volume progressed to increase at a record rate. We were responding on average to a little over 4 runs per day. We finished December with 163 runs for the month with a record total runs for the year at 1608. So, as you can see, we were a little busy as this was a 15% increase over the previous year. We had approximately 299 overlapping calls where we were responding to multiple incidents at the same time. EMS continues to be running around 82% of our run volume. Due to all these runs we were able to provide 100% ALS coverage on our EMS runs where ALS was needed. This later part of the year and continuing into this year has been a little challenging with the COVID increases. In all of my years I have never seen the number of hospital closings due to the increase of patients being seen and the hospitals short staffed. There were times where we would get diverted to another hospital due to a busy night but now, we never know which hospital we will be transporting to until we request a Med Channel to the hospital. Up until this year I had never seen where all the hospitals were closed to EMS traffic and they triaging where we will go to prevent overloading any one hospital. I will assure you patient care is not suffering as we have some very good Medics and EMT's I just cannot guarantee what hospital they will get transported to.

Our EMS Transport collections with our billing company, Great Lakes Billing also was up slightly this year with a collection of \$247,281.25. This is an average of \$20,606.77 per month.

So, as you see the EMS Division has been very busy and have been providing excellent care and service under the guidance of Deputy Chief Sanders who has been doing a wonderful job. He expects nothing but the best from his people and works hard to improve services. Please see Deputy Chief Sanders report attached to this.

The Fire Department responded to 50 fire calls, 33 hazardous conditions, 24 service calls, 117 good intent calls, 50 false alarms 1 severe weather incident. Our total estimated fire loss for the community \$410,300.00. You will see on the attached reports that our runs have continued to increase every year since 2015.

The Training and Inspection Division has also been very busy. I have tasked Capt. Dawson with identifying ever business in the Township and preplanning them and getting them entered into our record system and an Inspection Program. To date he has identified and entered over 210 business's and has them entered into the system and has the preplanned.

To date we have over 3500 hours of training this past year and we conducted three live burns at the fire training grounds at Owens Center for Emergency Preparedness. We have also implemented Fire Rescue 1 Academy which is a branch of Lexipol to offer more online training to our people who may need more specific continuing education credits. Capt. Dawson has

been very busy doing everything I throw at him and is doing a very nice job. You can also read Capt. Dawsons report attached to this report.

This past year we also enrolled into Lexipol's Policy and Procedures as did the Police Department. Deputy Chief Sanders, Capt. Dawson and myself worked to get all of the Policies completed and pushed out to our people. The Policy portion is complete and we are now working on our Procedures so that they match our existing SOG's.

We replaced all of our Pagers this past year and upgraded them from the VHF radio system to the more modern 800 Radio System. This was completed sometime in October.

Two staff vehicles, the Chiefs and Deputy Chiefs were also replaced this year.

In finishing Deputy Chief Sanders has started his Ohio Fire Executive classes this year. This is a three-year program and will help make him a better Chief Officer. This program is run by the Ohio Fire Chiefs Association and has instructor's from across the United States teaching it. The program is modeled after the National Fire Academies Executive Officer Program.

Respectfully,

Chief Moritz
Lake Twp. Fire Dept.



Jeff Dawson
Captain

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To Lake Township Trustees,

This is the training division, fire prevention and risk management year end report by Captain Jeff Dawson, Training Officer for the Lake Twp. Fire Department. This report is for all events that incorporate training, fire inspections, pre-plans and procedures implemented to improve safety and reduce any casualties.

First, we will start with the training division. In 2021 we conducted over 3500 hours of training to include three live burns at Owens CEP burn building. This training included, hose movement, water supply, fire behavior and scenario based fire response. Of our 3500 hours of training we conducted 1300 hours of EMS training, this consisted of pediatrics, geriatrics, environmental, airway and respiratory emergencies, cardiac and patient assessment. Fire training we compiled approx. 2200 hours on various topics such as hose movement, water supply, drafting and pump operations; driver training to include new and existing driver operators.

We also implemented Fire Rescue 1 Academy which is a web based program that is part of our Lexipol Policy and Procedures. This consists of fire, EMS, Hazardous Materials and other speciality training. Of the 3500 hours of training we graduated four people with their Basic EMT which is a 150 hour class; five personnel obtained their FF 2 Transition which is an 84 hour class with 20 hours of live burn time. Recently we had one of our part-time personnel attain their FF 1 certification. Two of our chief's recently obtained their Live Fire Instructor NFPA 1403 certification and can now assist with live fire training. Lastly we had two personnel achieve their Fire Safety Inspector certification and can now assist with fire inspections and pre-planning.

Fire Inspections are still down due to recent Covid and multiple businesses changing names or locations. We conducted 35 inspections this year and 20 re-inspections. We conducted over 100 pre-plans and have more inspections scheduled and will hopefully get back on track in 2022. Lake Twp. has over 200 occupancies that need inspected, of which most of those are now in our Emergency Reporting data-base and have current pre-fire plans built with them.

Pre-planning is a cumbersome process that includes business or (occupancy) information that incorporates our inspection information such as type of business, occupancy

type and personnel. Size of building or buildings and any pertinent information about the construction type and any special hazards or issues with the premises. Along with that information we form a Pre-plan, that has valuable information such as sprinkler system if occupancy has one, if not then we locate nearest fire hydrant. If it happens to be in an area that does not have fire hydrants then we establish a fire tanker task force so we know where our water is coming from.

With the above information we can incorporate this into our I am Responding program that identifies all of our incidents and their addresses. If a run comes in for a commercial structure we can go to the I am Responding on our I Pads in fire engines and bring up this very valuable pre-plan information at the touch of a finger, this can help with apparatus response, if we have a hazardous chemical that we are dealing with, or if we have a large life safety issue we can ask for more assistance in search and rescue of our citizens.

The fire inspections, along with pre-planning and occupancy identification is only a small part of our risk management. Lake Twp. Fire is now using Lexipol for its policies and procedures in an effort to streamline things and to minimize our accidents as well as any issues that would cause our department problems. Some of the area's we are striving to be 100% compliant in are our driving, backing and response to incidents. With Lexipol this identifies and coordinates the proper apparatus response, the proper code and what mutual aid we may need if any. This in collaboration with pre-planning can cause us from sending the wrong apparatus or putting a truck on the roadway that does not need to be responding, thus reducing the chance for accidents.

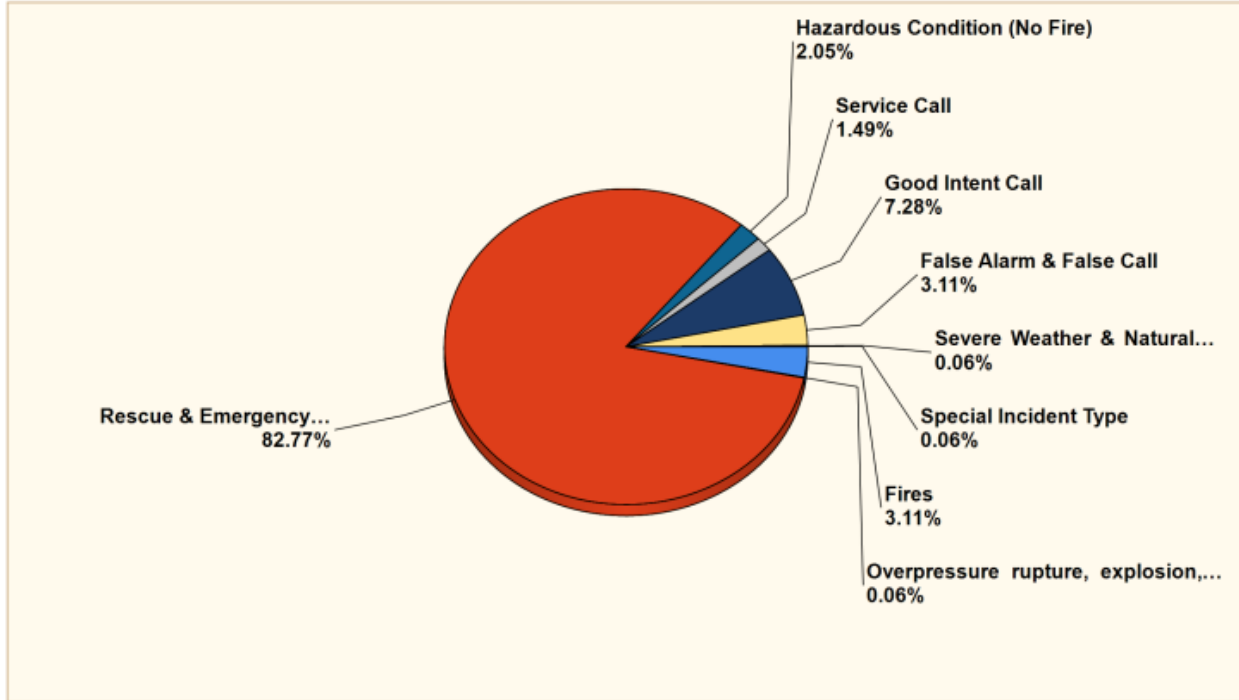
In closing, our inspections and pre-plans and risk management all lead back to training areas that we must be proficient in. So training is set to the standards above in order to achieve the utmost importance, safety both on and off the fire ground or on an EMS call, odor investigation or haz-mat response. As our township and its occupancies grow so does our training.

Respectfully yours,

Captain Jeff Dawson
LTFD Training Officer



Fire Department 2021 Year End Report



MAJOR INCIDENT TYPE	# INCIDENTS	% of TOTAL
Fires	50	3.11%
Overpressure rupture, explosion, overheating - no fire	1	0.06%
Rescue & Emergency Medical Service	1331	82.77%
Hazardous Condition (No Fire)	33	2.05%
Service Call	24	1.49%
Good Intent Call	117	7.28%
False Alarm & False Call	50	3.11%
Severe Weather & Natural Disaster	1	0.06%
Special Incident Type	1	0.06%
TOTAL	1608	100%

Lake Township Fire Department				
Year	# Incidents	% Increased previous year	Aid Given	% of call volume of aid given
2021	1608	15%	54	32%
2020	1399	3%	41	3%
2019	1356	3%	39	3%
2018	1311	2%	45	4%
2017	1280	8%	45	4%
2016	1185	10%	19	2%
2015	1074	15%	35	3%
2014	934		24	3%

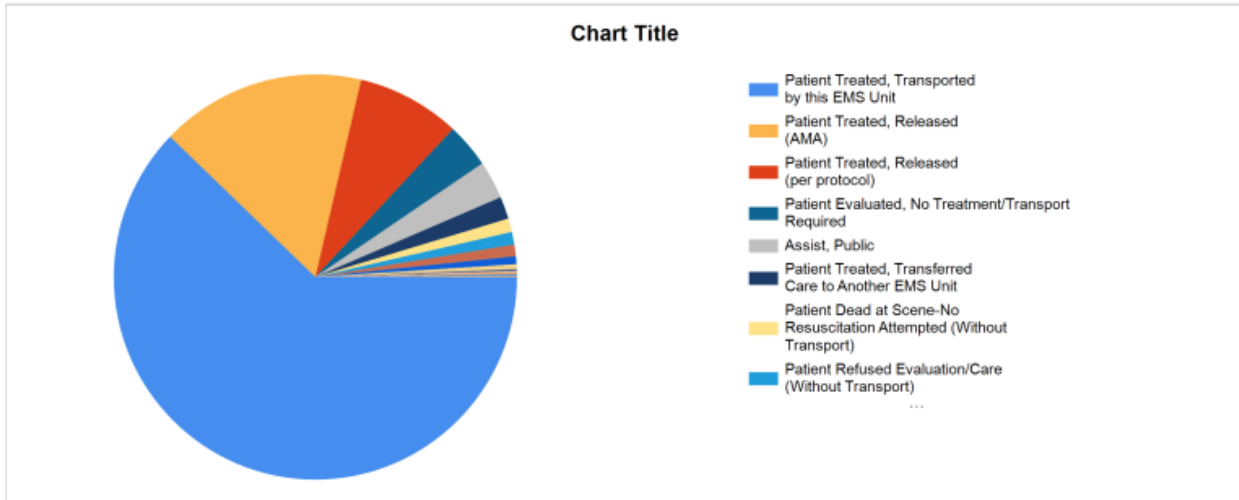


Fire Department 2021 Year End Report

Detailed Breakdown by Incident Type		
INCIDENT TYPE	# INCIDENTS	% of TOTAL
111 - Building fire	22	1.37%
113 - Cooking fire, confined to container	2	0.12%
121 - Fire in mobile home used as fixed residence	1	0.06%
131 - Passenger vehicle fire	5	0.31%
132 - Road freight or transport vehicle fire	3	0.19%
133 - Rail vehicle fire	1	0.06%
140 - Natural vegetation fire, other	2	0.12%
142 - Brush or brush-and-grass mixture fire	2	0.12%
143 - Grass fire	2	0.12%
150 - Outside rubbish fire, other	1	0.06%
151 - Outside rubbish, trash or waste fire	4	0.25%
154 - Dumpster or other outside trash receptacle fire	1	0.06%
160 - Special outside fire, other	1	0.06%
161 - Outside storage fire	1	0.06%
162 - Outside equipment fire	2	0.12%
200 - Overpressure rupture, explosion, overheat other	1	0.06%
311 - Medical assist, assist EMS crew	59	3.67%
321 - EMS call, excluding vehicle accident with injury	1146	71.27%
322 - Motor vehicle accident with injuries	83	5.16%
323 - Motor vehicle/pedestrian accident (MV Ped)	2	0.12%
324 - Motor vehicle accident with no injuries.	32	1.99%
341 - Search for person on land	2	0.12%
352 - Extrication of victim(s) from vehicle	5	0.31%
381 - Rescue or EMS standby	2	0.12%
400 - Hazardous condition, other	1	0.06%
410 - Combustible/flammable gas/liquid condition, other	2	0.12%
411 - Gasoline or other flammable liquid spill	2	0.12%
412 - Gas leak (natural gas or LPG)	9	0.56%
413 - Oil or other combustible liquid spill	2	0.12%
422 - Chemical spill or leak	3	0.19%
424 - Carbon monoxide incident	2	0.12%
440 - Electrical wiring/equipment problem, other	6	0.37%
441 - Heat from short circuit (wiring), defective/worn	2	0.12%
443 - Breakdown of light ballast	1	0.06%
444 - Power line down	1	0.06%
445 - Arcing, shorted electrical equipment	2	0.12%
510 - Person in distress, other	1	0.06%
522 - Water or steam leak	1	0.06%
531 - Smoke or odor removal	2	0.12%
550 - Public service assistance, other	4	0.25%
551 - Assist police or other governmental agency	1	0.06%
552 - Police matter	1	0.06%
553 - Public service	6	0.37%
554 - Assist invalid	8	0.5%
600 - Good intent call, other	3	0.19%
611 - Dispatched & cancelled en route	76	4.73%
622 - No incident found on arrival at dispatch address	26	1.62%
631 - Authorized controlled burning	1	0.06%
651 - Smoke scare, odor of smoke	4	0.25%
652 - Steam, vapor, fog or dust thought to be smoke	3	0.19%
671 - HazMat release investigation w/no HazMat	3	0.19%
672 - Biological hazard investigation, none found	1	0.06%
700 - False alarm or false call, other	10	0.62%
730 - System malfunction, other	4	0.25%
733 - Smoke detector activation due to malfunction	7	0.44%
735 - Alarm system sounded due to malfunction	2	0.12%
736 - CO detector activation due to malfunction	4	0.25%
740 - Unintentional transmission of alarm, other	2	0.12%
743 - Smoke detector activation, no fire - unintentional	9	0.56%
744 - Detector activation, no fire - unintentional	2	0.12%
745 - Alarm system activation, no fire - unintentional	6	0.37%
746 - Carbon monoxide detector activation, no CO	4	0.25%
814 - Lightning strike (no fire)	1	0.06%
900 - Special type of incident, other	1	0.06%
TOTAL INCIDENTS:	1608	100%



Fire Department 2021 Year End Report



WHAT HAPPENED TO THIS PATIENT?	COUNT
Patient Treated, Transported by this EMS Unit	801
Patient Treated, Released (AMA)	212
Patient Treated, Released (per protocol)	107
Patient Evaluated, No Treatment/Transport Required	46
Assist, Public	39
Patient Treated, Transferred Care to Another EMS Unit	23
Patient Dead at Scene-No Resuscitation Attempted (Without Transport)	14
Patient Refused Evaluation/Care (Without Transport)	13
Patient Dead at Scene-Resuscitation Attempted (Without Transport)	12
Patient Treated, Transported by Private Vehicle	8
Patient Treated, Transported by Law Enforcement	5
Assist, Agency	2
Patient Dead at Scene-Resuscitation Attempted (With Transport)	2
Assist, Unit	1
Canceled on Scene (No Patient Contact)	1
Patient Refused Evaluation/Care (With Transport)	1
Standby-Public Safety, Fire, or EMS Operational Support Provided	1

MUTUAL AID	
Aid Type	Total
Aid Given	54
Aid Received	58

OVERLAPPING CALLS	
# OVERLAPPING	% OVERLAPPING
299	18.59

