

## **Lake Township Fire and EMS 2020 Year End Report.**

To the Lake Twp. Trustees Richard Welling, Jeff Pettit and Ken Gilsdorf, Administrator Mark Hummer, and the Citizens of Lake Township.

We started this unusual year 2020 down one fire engine due to a crash the previous December. After several months of negotiations with our insurance company we were able to purchase a new front-line engine coming off the line at Rosenbauer. This new truck was delivered in May and carries 1000 gallons of water and has a 1500 GPM pump which increased the amount of water initially on scene by 250 gallons and our pumping capacity also increased by 250 Gallons Per Minute. This engine has been well received by our volunteers at Station 28 and continues to perform well.

We ended the year with 1399 calls for service. This is again a 3% increase over the previous year. For the past six years our runs have increased every year and the graph on the following pages shows this. Our total fire loss for the year is \$560,250.00. This is a \$200,000. Increase from the previous year. We had 2 fire related civilian casualties this past year and one Firefighter injury from a fall through a hole in second story floor to the first floor.

Deputy Chief Sanders continues to direct our 24/7 EMS Department in a positive way as you can also see in his attached report. I can safely say we had 24/7 coverage 365 days of the year. Our EMS runs (1127 runs) continue to go up and the number of overlapping calls (248) also continue to rise. Our crews transported 720 patients to the hospital this past year. This year has been like no other year with the COVID Pandemic and Deputy Chief Sanders has done an exceptionally good job of preparing us for the pandemic and guiding us through it. Deputy Chief Sanders has also been selected to participate in the Ohio Fire Chiefs, Ohio Fire Executive Officer Program in Class 21 starting in June of this year.

In February we hired a full time Training Captain. Capt. Jeff Dawson came to us with a wealth of experience in training and has taken our Training Dept in a positive direction as you will see in his attached report. Prior to the COVID we had scheduled daytime drills and other required training. Jeff has a schedule all made out for this coming year which will continue to enhance our training and making our department even better.

We have also started contacting our businesses in the Township to get all pertinent information into our preplans and entering this information into Emergency Reporting and posting these preplans in our I Am Responding software so that the first arriving apparatus has this information in hand prior to arrival. Also, while on site we are doing a fire inspection of the premises which were recommend in our last ISO Inspection to update our Risk Management.

All of our engines have been pump tested, our ground ladders have been tested the ladder truck was tested, all of our fire hose was tested and all have past the testing with the results on file. All first line apparatus had preventative maintenance performed on them. So, all testing and PMs are complete.

We also added air purification systems to the air handlers at the Administration Building and the Fire Stations that utilize UV lighting and Ionization to clean the air that passes through

the handlers thus purify the air in the buildings. This was a COVID expense. Also, the fire stations have been rekeyed with an electronic key fob system thru Guardian Alarm.

2020 has been a trying year bringing many challenges, but I feel we have met those challenges and we have continued to provide an incredibly good service to our residents. We will continue to try hard to improve on these services and make this one of the most respected Departments around.

Chief Moritz

## EMS Division

Kevin Sanders Deputy Chief/EMS Coordinator

Lake Township Fire Department responded to 1,127 EMS incidents in 2020. These incidents include public assist to time critical medical and traumatic injuries. The EMS incidents in 2020 represent 80.56% of the Lake Township Fire Department call volume. We performed 720 transport, 761 procedures and administered 494 medications. We have utilized Mercy Health's Mobile Stroke Unit which has transported 15 patients from the township. Our average respond time (Dispatch to Arrival) for EMS incidents is 0:09:31 within the township.

We faced many challenges as the COVID-19 pandemic emerged in keeping the community and the department members healthy. We have been able to maintain our PPE supplies and limit the spread of COVID-19 by initiating Policy and Procedures with guidance from our Medical Director for the most appropriate response to the pandemic. The CAREs Act, Ohio Department of Safety Division of Emergency Medical Services and Wood County EMA have all played a part in the replenishing of PPE and reimbursement for supplies/equipment aimed at helping to limit the spread of COVID-19.

### Equipment/Supplies Highlights

- CAREs Act Monies
  - 6 - UV Dome lights Two installed in each patient compartment of our ambulances
  - 1 - Ferno INX power and loading cot
  - 1 - LifePak 15 Monitor/Defibrillator
  - 4 - iPads
- Ohio Department of Safety Division of Emergency Medical Services – Priority One Grant
  - 3 - KED Extrication Devices
  - 1 - Laedral LSU Suction Unit
  - 1 - King Vision Video Laryngoscope
- Wood County EMA
  - 180 – NP95s

Challenges we face in the future are cost of EMS supplies due to the COVID-19 pandemic. PPE (Personal Protective Equipment) i.e., gloves, goggles and mask is our basic level of protection. Most of these items have increased nearly 100% if not more due to COVID-19.

We can assure you we will adapt and overcome all obstacles standing in the way to service our community with the best Fire/EMS services. "It is the mission of the Lake Township Fire Department to prevent the loss of life and diminish the loss of property through planning, prevention and progression through state-of-the-art equipment, skill and resource."

Deputy Chief Sanders

# **Lake Twp. Fire Department Year End Training Report**

## **By: Jeff Dawson Training Officer**

This year began a new chapter for Lake Twp. Fire Department with the hiring of the new training officer. Jeff Dawson was hired at the rank of Captain to lead the training division and help to improve daily and over all training.

This did not come without a challenge, COVID 19 presented a challenge in face-to-face training inside. We had to go to virtual training for a while but still managed to hold over 4069 hours of training this year, up from 3302 last year. 59 personnel attended these training over the course of the last 12 months.

We had 12 personnel receive new initial certifications of FF I this year, including 7 new volunteers and 5 of our part-time personnel. This brings our total up to 57 personnel having FF I or higher. These same 12 personnel also achieved their EVOC driving and their Hazardous Materials Operations Status.

Of our new volunteer personnel, three of them have achieved their Basic EMT and hopefully the rest will obtain theirs just after the first of the year.

With the new position of training officer came a little different direction with training and initial certifications. Day time training for the medic 26 crew began in late February and just got off the ground when the virus stepped in and put a halt on things. We transgressed through and maintained our social distancing and created some new training ideas and applications. Hose movement, along with SCBA confidence were just a couple to get us started. Working on pumping and apparatus familiarization found us with new training being developed from minuscule ones.

We started working with Allen Clay Joint Fire District on joint training during the day, they came over for hose movement, stand-pipe operations and ladder truck operations. Which we will continue into next year and hopefully maintain for a while to come.

With all the new faces in the department we implemented a new Field Training Officer program that is led by myself and is now assisted by newly promoted officer Lt. Todd Osborn. Lt. Osborn is a product of a previous Fire Officer 1 class held here at Lake Twp. and that is part of our increased training for our members. With this new FTO program we can minimize repeat training, slim down our delivery of information and maximize the potential for improved training with set standards and procedures.

With the purchase of a computerized program called Digital Combustion, we can now fabricate on the computer a more realistic fire officer, scene size-up and leadership training with its use. This program allows us to take pictures of occupancies in our area and input fire, smoke, explosions or whatever may occur as an incident and we can utilize this for incident management practice. This will be utilized for both new and seasoned fire officers, or those riding the front right seat on any incident.

With the formulation of monthly fire officer training, we put into motion our new strategic plan for LTFD for the next 5-10 years and with buy-in from all officers. This training along with SWOT analysis and some Nominal Group Technique we were able to

implement some good models of how we want LTFD to grow and prosper. This training also built up the confidence of our instructor cadre to assist with monthly training at the department.

In other areas that we improved our training in specialty training, we had Jerusalem Twp. Come assist us with water rescue training, Lt. Todd Osborn trained us on some simple hazardous materials training with litmus paper, F paper and a good awareness refresher. Battalion Chief Kamann got us out to Pat and Sons towing and provided us with some good extrication hands-on. Some guest speakers came in and provided us with some good EMS training, Chris Ebright from Promedica did a wonderful job on Environmental Emergencies, Medical Emergencies and training on pediatric cardiac arrest. We look forward to having him back in 2021.

As an adjunct instructor at Owens CC, we were fortunate enough to get over to the CEP and utilize the grounds for more quality training. We did forcible entry training with the simulator; we used the tower and burn rooms to conduct over 40 hours of live fire training. We even included a day and night of scenarios with live fire and apparatus placement. All in all, it was very tiring but all members stated what great training it was. This will continue into 2021 and will include car fires, Class B fires, and the flashover simulator among many more.

With our CPR instructors we certified or renewed 21 persons in 2020 and will increase this in 2021 barring no more COVID to slow us down. We will also look to develop a community outreach program to teach basic CPR for our citizens, look for this to come in late Spring early Summer 2021.

At the current time we have 9 personnel getting ready for a Firefighter 2 transition class starting in Feb. 2021, we have 5 personnel waiting on the next Basic EMT class starting in late January 2021, and one person in Fire Officer 1 class.

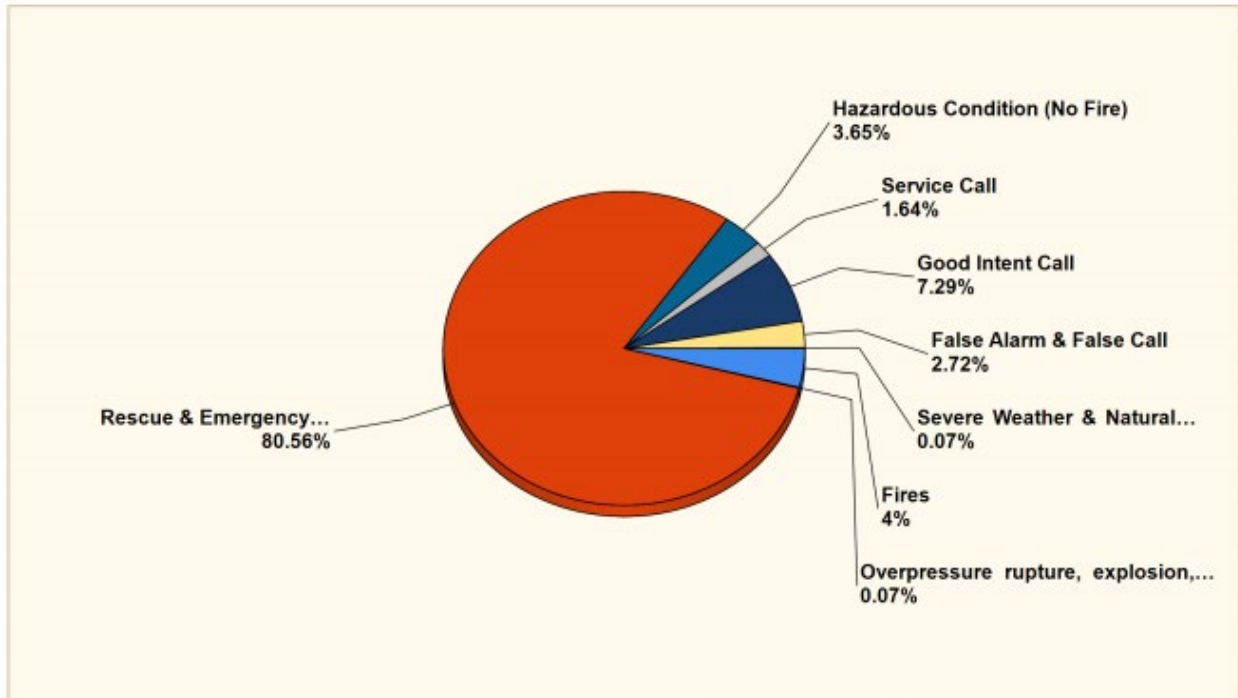
What does the future hold for the training division here at LTFD, well let me share a little with you. Not to mention the already enrolled classes of Basic EMT and FF II transition we look to hold a Public safety Instructor class here, another FF I class and more Fire Officer development. With our having the Owens CEP in our backyard, continued apparatus operator training, live fire training and newly formed engine and truck operator classifications. Continuation of building props for the stations and the use of the CEP should provide us with some quality training to keep our members current and always advancing their skills.

In closing it has been an honor to be the new Training Officer here at LTFD and I look forward to improving and providing the best training that I can, I cannot do it alone. I will utilize the vast members of our department so that training will be of quality nature, be cohesive in delivery and most of all keep our members safe and ready to serve the citizens of Lake Twp.

Captain Jeff Dawson

Training Officer, LTFD

## 2020 Year End Statistics



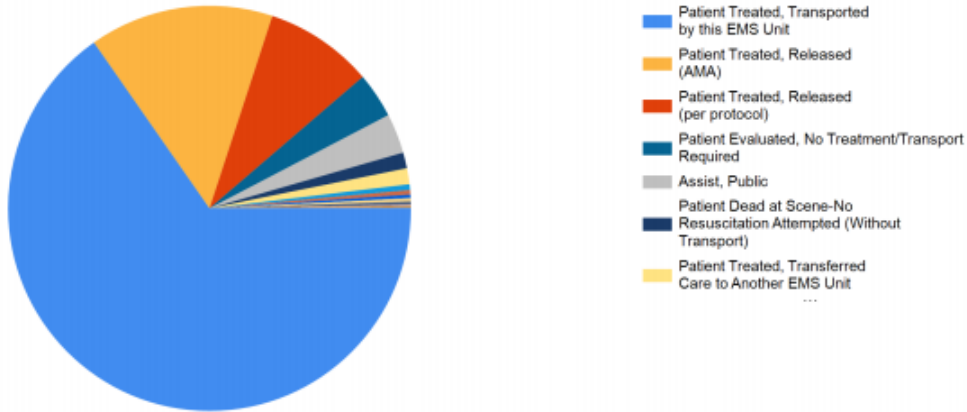
MAJOR INCIDENT TYPE	# INCIDENTS	% of TOTAL
Fires	56	4%
Overpressure rupture, explosion, overheating - no fire	1	0.07%
Rescue & Emergency Medical Service	1127	80.56%
Hazardous Condition (No Fire)	51	3.65%
Service Call	23	1.64%
Good Intent Call	102	7.29%
False Alarm & False Call	38	2.72%
Severe Weather & Natural Disaster	1	0.07%
<b>TOTAL</b>	<b>1399</b>	<b>100%</b>

Lake Township Fire Department				
Year	# Incidents	% Increased previous year	Aid Given	% of call volume of aid given
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%

**Detailed Breakdown by Incident Type**

<b>INCIDENT TYPE</b>	<b># INCIDENTS</b>	<b>% of TOTAL</b>
111 - Building fire	10	0.71%
112 - Fires in structure other than in a building	1	0.07%
113 - Cooking fire, confined to container	5	0.36%
118 - Trash or rubbish fire, contained	2	0.14%
121 - Fire in mobile home used as fixed residence	1	0.07%
123 - Fire in portable building, fixed location	1	0.07%
131 - Passenger vehicle fire	4	0.29%
132 - Road freight or transport vehicle fire	9	0.64%
136 - Self-propelled motor home or recreational vehicle	1	0.07%
140 - Natural vegetation fire, other	3	0.21%
141 - Forest, woods or wildland fire	1	0.07%
142 - Brush or brush-and-grass mixture fire	5	0.36%
143 - Grass fire	1	0.07%
150 - Outside rubbish fire, other	1	0.07%
151 - Outside rubbish, trash or waste fire	2	0.14%
152 - Garbage dump or sanitary landfill fire	2	0.14%
154 - Dumpster or other outside trash receptacle fire	2	0.14%
160 - Special outside fire, other	2	0.14%
162 - Outside equipment fire	2	0.14%
171 - Cultivated grain or crop fire	1	0.07%
200 - Overpressure rupture, explosion, overheat other	1	0.07%
311 - Medical assist, assist EMS crew	44	3.15%
321 - EMS call, excluding vehicle accident with injury	996	71.19%
322 - Motor vehicle accident with injuries	56	4%
323 - Motor vehicle/pedestrian accident (MV Ped)	1	0.07%
324 - Motor vehicle accident with no injuries.	22	1.57%
341 - Search for person on land	2	0.14%
350 - Extrication, rescue, other	1	0.07%
352 - Extrication of victim(s) from vehicle	4	0.29%
357 - Extrication of victim(s) from machinery	1	0.07%
400 - Hazardous condition, other	2	0.14%
410 - Combustible/flammable gas/liquid condition, other	1	0.07%
411 - Gasoline or other flammable liquid spill	4	0.29%
412 - Gas leak (natural gas or LPG)	15	1.07%
413 - Oil or other combustible liquid spill	8	0.57%
421 - Chemical hazard (no spill or leak)	1	0.07%
424 - Carbon monoxide incident	2	0.14%
440 - Electrical wiring/equipment problem, other	4	0.29%
441 - Heat from short circuit (wiring), defective/worn	1	0.07%
444 - Power line down	10	0.71%
445 - Arcing, shorted electrical equipment	3	0.21%
531 - Smoke or odor removal	2	0.14%
550 - Public service assistance, other	4	0.29%
551 - Assist police or other governmental agency	1	0.07%
552 - Police matter	1	0.07%
553 - Public service	8	0.57%
554 - Assist invalid	6	0.43%
571 - Cover assignment, standby, moveup	1	0.07%
600 - Good intent call, other	2	0.14%
611 - Dispatched & cancelled en route	77	5.5%
622 - No incident found on arrival at dispatch address	11	0.79%
631 - Authorized controlled burning	5	0.36%
651 - Smoke scare, odor of smoke	4	0.29%
652 - Steam, vapor, fog or dust thought to be smoke	1	0.07%
671 - HazMat release investigation w/no HazMat	2	0.14%
700 - False alarm or false call, other	7	0.5%
730 - System malfunction, other	1	0.07%
733 - Smoke detector activation due to malfunction	3	0.21%
735 - Alarm system sounded due to malfunction	3	0.21%
736 - CO detector activation due to malfunction	5	0.36%
740 - Unintentional transmission of alarm, other	2	0.14%
743 - Smoke detector activation, no fire - unintentional	4	0.29%
745 - Alarm system activation, no fire - unintentional	9	0.64%
746 - Carbon monoxide detector activation, no CO	4	0.29%
813 - Wind storm, tornado/hurricane assessment	1	0.07%
<b>TOTAL INCIDENTS:</b>	<b>1399</b>	<b>100%</b>

Chart Title



WHAT HAPPENED TO THIS PATIENT?	COUNT
Patient Treated, Transported by this EMS Unit	720
Patient Treated, Released (AMA)	163
Patient Treated, Released (per protocol)	96
Patient Evaluated, No Treatment/Transport Required	40
Assist, Public	35
Patient Dead at Scene-No Resuscitation Attempted (Without Transport)	14
Patient Treated, Transferred Care to Another EMS Unit	14
Patient Treated, Transported by Private Vehicle	5
Patient Dead at Scene-Resuscitation Attempted (Without Transport)	4
Patient Refused Evaluation/Care (Without Transport)	3
Standby-Public Safety, Fire, or EMS Operational Support Provided	3
Patient Treated, Transported by Law Enforcement	3
Patient Dead at Scene-Resuscitation Attempted (With Transport)	1
Assist, Unit	1
Canceled on Scene (No Patient Found)	1

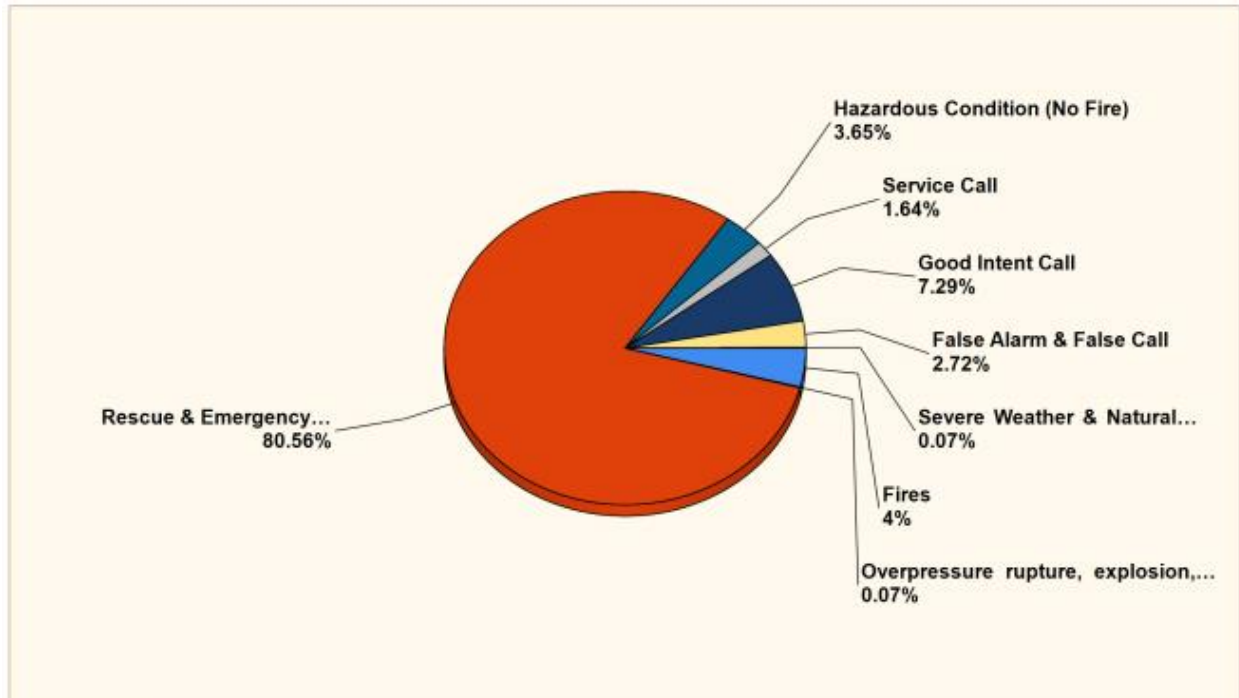
MUTUAL AID	
Aid Type	Total
Aid Given	41
Aid Received	40

OVERLAPPING CALLS	
# OVERLAPPING	% OVERLAPPING
248	17.73



<b>DEPARTMENT CHARACTERISTICS IV - CALL VOLUME DATA</b>			
<b>Call Volume - General</b>	<b>2018</b>	<b>2019</b>	<b>2020</b>
a. Fires	55	48	56
b. How many EMS-BLS Response Calls	272	284	388
c. How many EMS-ALS Response Calls	415	539	563
f. Vehicle Extrications	1	1	5
g. How Many Community Paramedics Calls	0	0	0
h. Other Rescue	21	1	1
i. Hazardous Condition/Materials Call	1	1	3
<b>Call Volume for Emergency Medical Services</b>	<b>2018</b>	<b>2019</b>	<b>2020</b>
a. Total calls Requiring transport, exclusive of scheduled transport/declared above	478	660	673
b. All Other Calls and Incidents not declared above, including fire, good intent, etc.	833	696	726
<b>Call Volume for Fire Department</b>	<b>2018</b>	<b>2019</b>	<b>2020</b>
a. Fires - NFIRS Series 100	55	48	56
b. Overpressure Rupture, Explosion, Overheat (No Fire) - NFIRS Series 200	3	6	1
c. Rescue & Emergency Medical Service Incident - NFIRS Series 300	1072	1120	1127
d. Hazardous Condition (No Fire) - NFIRS Series 400	32	31	51
e. Service Call - NFIRS Series 500	22	18	23
f. Good Intent Call - NFIRS Series 600	102	101	102
g. False Alarm & False Call - NFIRS Series 700	24	30	38
h. Severe Weather & Natural Disaster - NFIRS Series 800	1	2	1
i. Special Incident Type - NFIRS Series 900	0	0	0
<b>Call Volume for Fires:</b>	<b>2018</b>	<b>2019</b>	<b>2020</b>
a. Of the NFIRS Series 100 calls, how many are "Structure Fires" (NFIRS Codes 111-120)	25	17	18
b. Of the NFIRS Series 100 calls, how many are "Vehicle Fires" (NFIRS Codes 130-138)	10	14	14
c. Of the NFIRS Series 100 calls, how many are "Vegetation Fires" (NFIRS Codes 140-143)	7	7	10
d. What is the total acreage of all vegetation fires?	0	20	0
<b>Call Volume for Rescue and Emergency Medical Service Incidents:</b>	<b>2018</b>	<b>2019</b>	<b>2020</b>
* How many responses per year by category? (Enter whole number only. If you have no calls for any of the categories, Enter 0)			
a. Of the NFIRS Series 300 calls, how many are "Motor Vehicle Accidents" (NFIRS Codes 322-324)	137	90	79
b. Of the NFIRS Series 300 calls, how many are "Extrications from Vehicles" (NFIRS Code 352)	0	0	4
c. Of the NFIRS Series 300 calls, how many are "Rescues" (NFIRS Codes 300, 351, 353-381)	21	1	1
d. How many EMS-BLS Response Calls	272	283	388
e. How many EMS-ALS Response Calls	413	536	561
h. How many Community Paramedic Response Calls	0	0	0
<b>Call Volume for Mutual and Automatic Aid:</b>	<b>2018</b>	<b>2019</b>	<b>2020</b>
a. How many times did your organization receive Mutual Aid?	26	29	27
b. How many times did your organization receive Automatic Aid?	14	18	13
c. How many times did your organization provide Mutual Aid?	35	29	34
d. How many times did your organization provide Automatic Aid?	9	10	7
e. Of the Mutual and Automatic Aid responses, how many were structure fires?	19	16	14

# Fire Department 2020 Year End Report



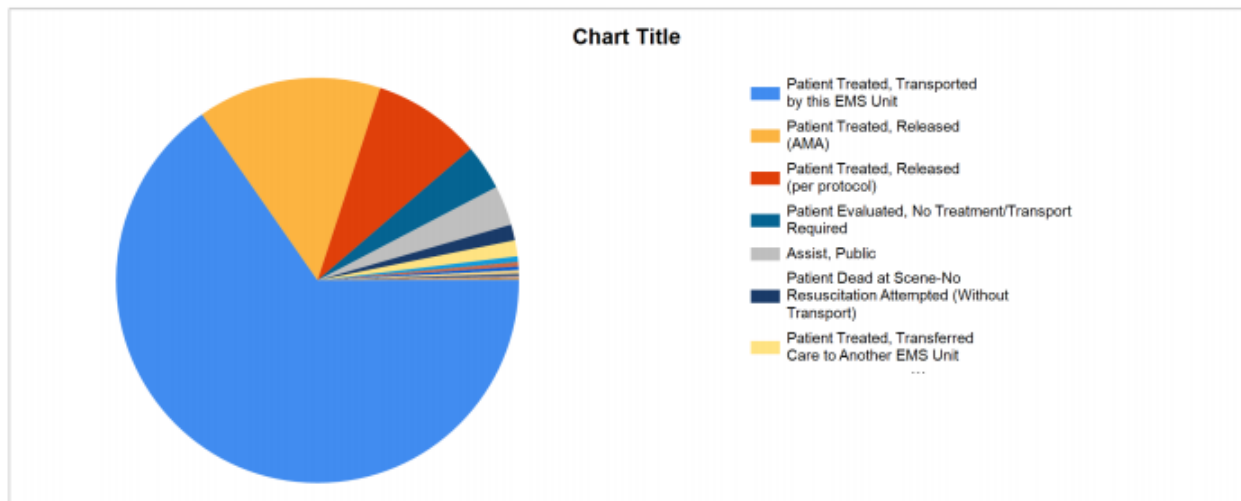
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Patient Refused Evaluation/Care (Without Transport)	3
Standby-Public Safety, Fire, or EMS Operational Support Provided	3
Patient Treated, Transported by Law Enforcement	3
Patient Dead at Scene-Resuscitation Attempted (With Transport)	1
Assist, Unit	1
Canceled on Scene (No Patient Found)	1

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Aid Type	Total
Aid Given	41
Aid Received	40

OVERLAPPING CALLS	
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