



Mukwonago Fire Department Annual Report 2009

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Mission Statement

It is the mission of the Mukwonago Fire Department to provide a range of programs designed to protect the lives and property of the inhabitants of the Village and Town of Mukwonago from the adverse effects of fire, sudden medical emergencies or exposure to any dangerous condition created by either man or nature.

Vision Statement

The Mukwonago Fire Department will continually strive to exceed our citizen's expectations working within a healthy, safe and innovative environment that enhances the professional and efficient delivery of emergency services. We also strive to be an organization providing community safety education and information keen to anticipate, influence and embrace change

Core Values

Integrity – openness, honesty, loyalty and honor; leading through example to achieve a common goal by actions

Professional Development – commitment to continually expand the abilities of personnel, encourage continuous education and advancement opportunities as becoming officers

Accountability – all personnel, management and otherwise providing a level of accountability to each other and the community and the implementation of responsible measuring

Teamwork – develop and maintain a sense of family camaraderie and loyalty to one another and to the community; provide a sense of help and encouragement for all and by all

Innovation – progressive, pro-active, modern, open and creative; open and receptive to all input and feedback

Mukwonago Community,

Year in and year out the goal of the Mukwonago Fire Department is to provide a proactive, efficient and cost effective service to visitors and residents alike that work, play and live in the Mukwonago Community. We meet that goal through prudent use of our allotted tax dollars, using our in house training resources whenever possible to maintain our high standard of training and by applying for grants that will have immediate impact upon the services that we provide.

Significantly, in 2009 we were able to agree to a contract with Professional Firefighters Local 4585. Taking into consideration that this was the first contract negotiation between the Village and Town of Mukwonago and Local 4585 the time spent on the negotiations did result in a contract signed into effect on October 6, 2009.

We also made application to the federally funded Assistance to Firefighters Grant for Life Pack 15 patient monitoring devices and Lucas automatic cardiopulmonary resuscitation units in May of 2009. This grant amounted to \$241,000. In early February 2010, we were notified that we had been awarded this grant. At the time of this letter, we are in the process of placing this equipment into service for use in our community.

We have been able to use donated funds of \$32,000 to replace our two aged sets of extrication tools with two new identical sets of extrication tools for placement into engines 3462 and 3463.

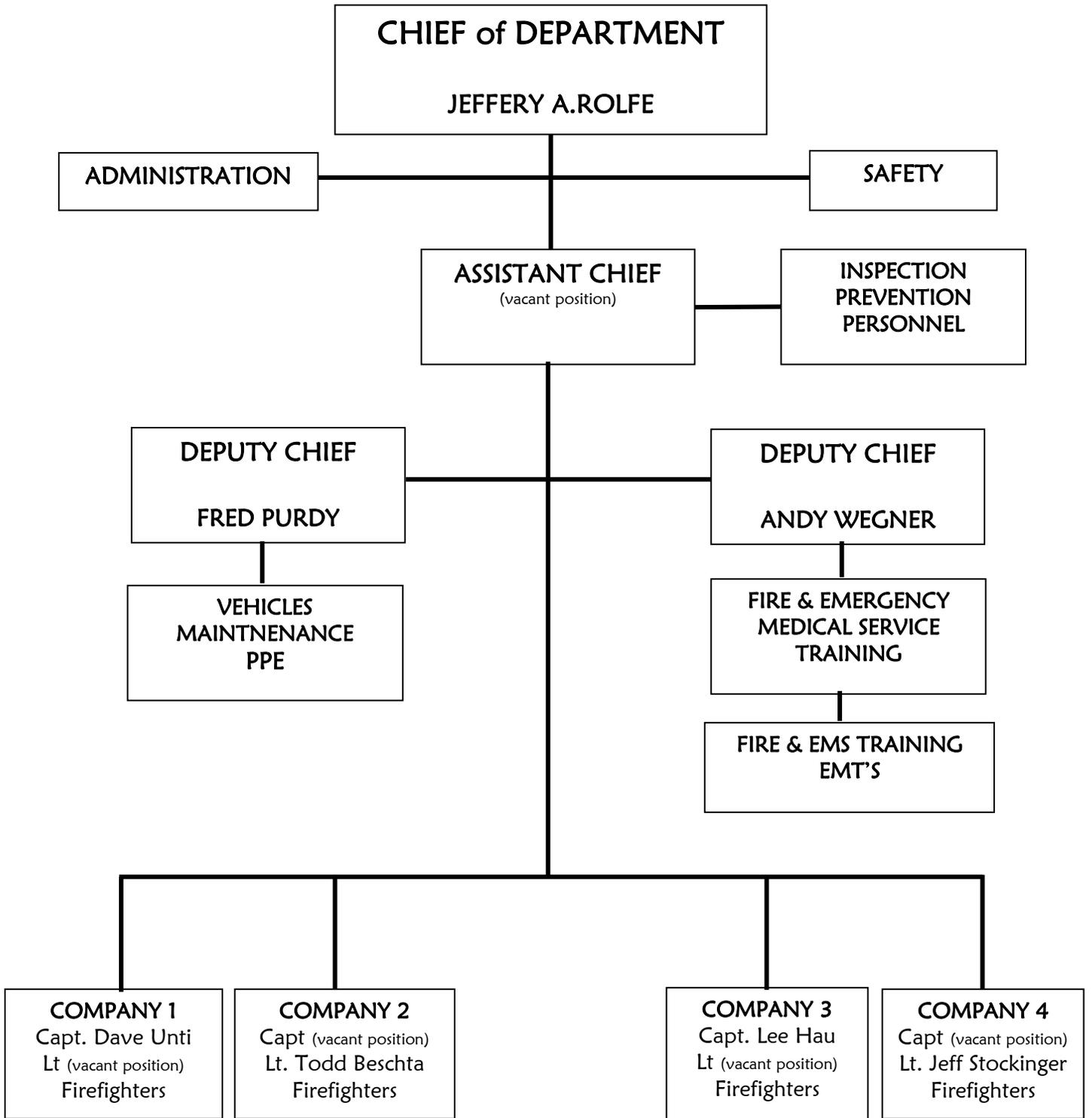
Lastly, we were able to expend \$10,000 of donated funds to purchase a Glides Scope unit to assist the paramedics with rapid intubation of patients that are unresponsive and not breathing.

The dedicated and highly motivated staff of the Mukwonago Fire Department is on duty 24 hours a day 365 days a year ready to meet the challenges and demands of the Mukwonago Community. We would like to thank all of you for your continued support and encouragement.

Respectfully,

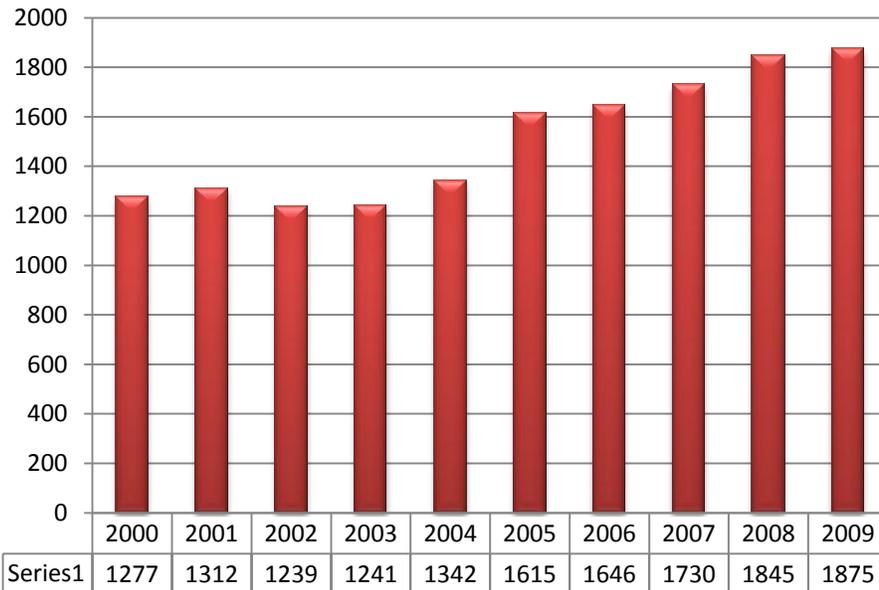
Jeffrey A. Rolfe
Chief of Department
Mukwonago Fire Department

Organizational Chart



Executive Summary

Fire and EMS Calls



Administration

Fire Chief: Jeff Rolfe
 Deputy Chief: Fred Purdy
 Deputy Chief: Andy Wegner

Personnel

Companies: 4
 Members Each: 10-12
 Total Career: 4
 Total Paid on Call: 45
 Current Stations: 2

Divisions

Fire
 Emergency Medical Services
 Special Services

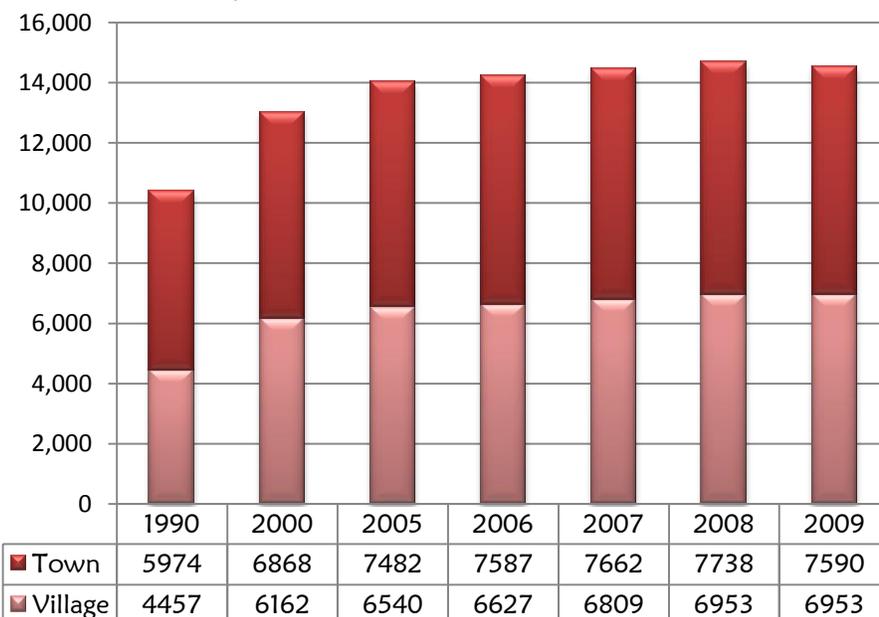
- Dive Team
- Rapid Intervention Crew (RIC)

 Training
 Inspection
 Prevention
 Communications
 Maintenance

Service Area

Town: 32 mi²
 Village: 9 mi²

Population Growth in Fire Service Area



Role of Mukwonago Fire Department Personnel

Save life, protect property, render assistance... AND...

The role of today's fire department personnel is quite different from that of years past. The fire service is constantly changing to meet the needs of the community under ever changing times.

Mukwonago Fire Department Personnel need to possess certain attributes in order to be successful in the role of Firefighter/EMT; commitment, dedication, integrity, confidence, resilience, adaptability, effective communication skills.

A common image of the firefighter is that of fighting fires. The reality is this is a small fraction of the role. Personnel are cross-trained in fire and EMS to more effectively utilize the limited number of personnel on the Mukwonago Fire Department. Fire and EMS personnel function in a multi faceted role within these common areas:

Prevention

Inspection and education activities that prevent fire, aid in rapid extinguishment, or limiting the loss of life and property.

- Business, school, residential facility, and home safety inspections
- Education presentations in daycare facilities and schools
- Facility tours
- Open house and other public relations activities to enhance the public's perception of the Mukwonago Fire Department.
- Maintain excellent working relationships with other local departments such as Police and Department of Public Works.

Preparation

Maintaining all aspects of the Mukwonago Fire Department and its Personnel in a state of readiness.

- Routine apparatus and equipment checks – observing and checking for needed repairs, replacement, expirations and deficiencies
- Cleaning – apparatus and equipment will last longer and function when needed if it is kept clean. Station cleaning is also important in preparation should the need to open our doors for displaced members of the community.
- Personnel ensuring their own fitness levels are such that they are prepared for the physically and mentally demanding work.
- In house training monthly for EMT's, Paramedics, Fire Department, Duty Company, and Rapid Intervention Crew. In addition, seasonal training for the Dive Team.
- External training at WCTC, Gateway Technical College, seminars or other experiential opportunities to further the knowledge of Mukwonago Fire Department Personnel and to stay current with ever changing technologies.

- Perform administration duties related to records and documentation, thus promoting an overall efficient operation of the Mukwonago Fire Department.

Protection

Programs in place to protect Mukwonago Fire Department Personnel and the community in the event of an emergency.

- Vaccinations against influenza, scheduled TB skin tests, scheduled personal protective equipment inspections and routine cleaning.
- In house blood drive.
- Code and ordinance enforcement.

Response

Putting necessary items into place to expedite the response of Mukwonago Fire Department in the event of an emergency and safely mitigate any incident.

- Driver training and education regarding safe and prompt responses.
- Familiarizing all personnel with the Mukwonago community.
- Updating all maps of the Mukwonago community and surrounding areas.
- Familiarizing personnel in the use of GPS units in all apparatus.
- Be prepared for incidents that not only involve fire and medical emergencies but also:
 - Motor vehicle accidents
 - Hazardous materials leaks
 - Railroad incidents
 - Water and Ice emergencies
 - Natural disasters, and
 - Any other response for which we are called.
- Operate apparatus such as engines, aerial devices, water tenders, trailers, ambulances and support vehicles within the vehicle's design parameters so that the apparatus is used safely and effectively.
- Responsible for all firefighting duties involved in the incident necessary to save lives and property, combat, extinguish and/or prevent fires and effectively perform these duties as required under emergency conditions frequently involving considerable hazards.
- Provide medical assistance and administer medical procedures to stabilize a patient's condition and prepare them for transport to medical care facilities.
- Safely perform rescue operations for the victim and rescue personnel.

Training

The ever increasing demand on the fire service has made it necessary for fire and EMS personnel to continually upgrade their skills.

Mukwonago Fire Department members are required to attend 3 trainings each month at minimum; Fire Department Training, Company Level Training, EMS Basic Training. Additional training is required for special services and additional levels of skills such as EMT-IV Tech, Paramedic, Dive Team, Rapid Intervention Crew, etc. All of these trainings are conducted within the Mukwonago Fire Department by members who are State Certified Fire Instructors or who are at a Paramedic Level 3 (highest Paramedic skill level).

Mukwonago Fire Department members receive basic Fire and EMS education and additional non-required training through Waukesha County Technical College, Gateway Technical College, Fire Department Instructors Conference (FDIC) annually in Indianapolis, IN, National Fire Academy in Emmitsburg, MD, Wisconsin Emergency Medical Services Association (WEMSA) annually in Milwaukee, WI, Associate and Bachelor degree programs and other specialized training sessions conducted by fire and rescue trade industries.

2009 In-House Training Topics

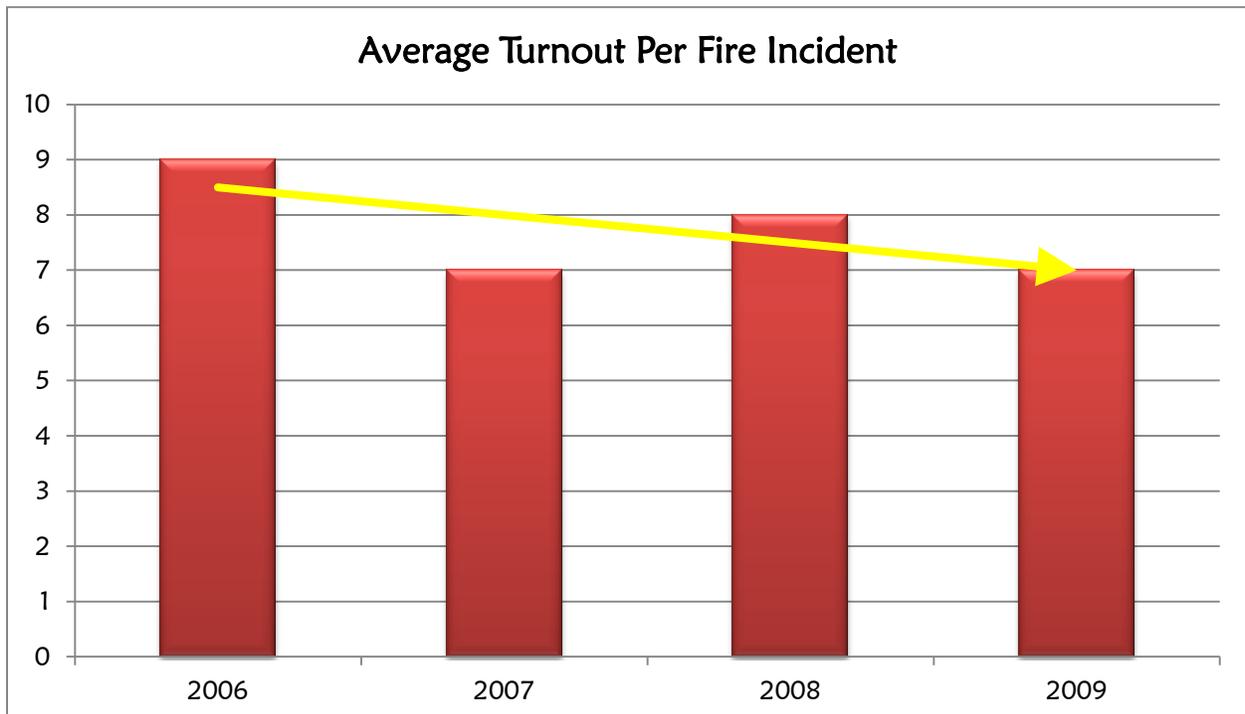
Fire Equipment Review	Rapid Intervention Crew-First In
Truck Checks	Tactics
Small Equipment Usage	Search & Rescue
Scene Preservation	Dive Rescue Training
Disorientation	Motor Vehicle Extrication
Mayday	Driver Training
Ladders	Anatomy & Physiology
Ventilation	EMS Documentation
Wildfire Training	Death & Pain
Pumping	Drug Review
TNT Extrication Tools	Patient Assessment
Water Movement	Stroke Review
Computer Aided Dispatching Review	IV Tech Skills
Water Rescue	Mega Code (cardiac arrest)
Combat Tactics	Respiratory Emergencies
Positive Pressure Ventilation Fire	Trauma Assessment
Attack	Summer Emergencies
Hazardous Materials	Mass Causality Incidents
MABAS (Mutual Aid Box Alarm	Pediatric Trauma
System)	Continuous Positive Airway Pressure
Wall Breaching	(CPAP) Review
Expanded Openings	OB/GYN
Conditioning	HIPPA/Blood Bourne Pathogens
	Review

Fire Suppression

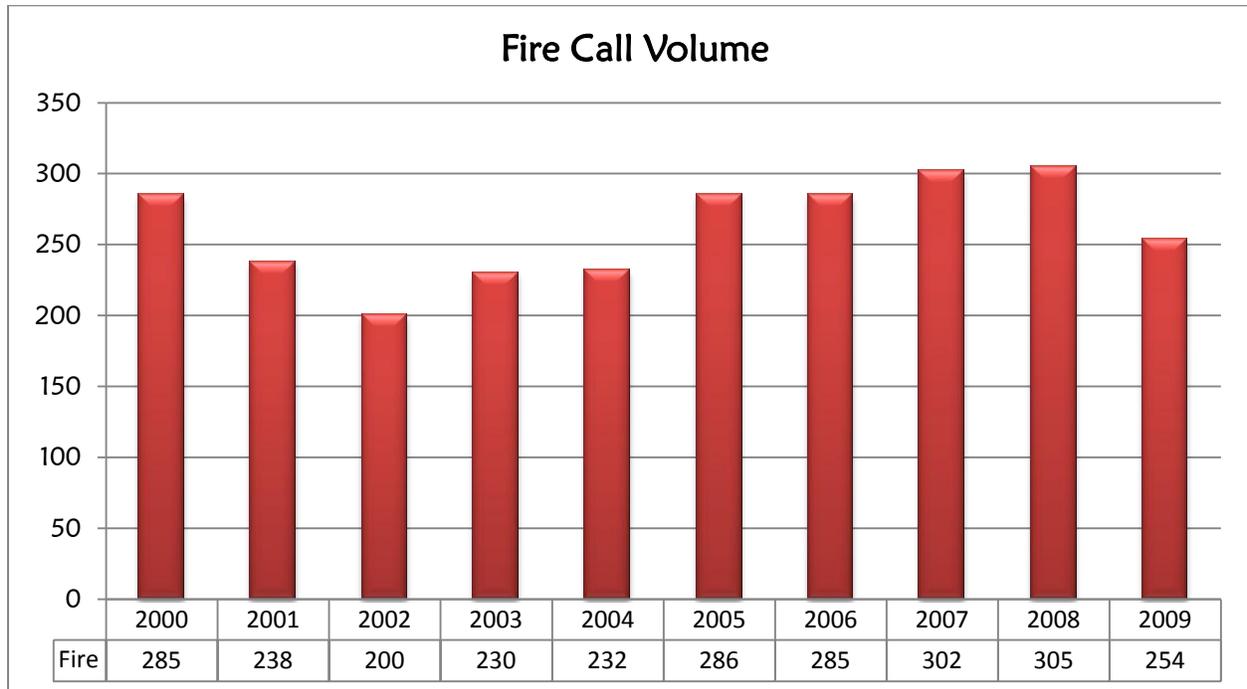
The Mukwonago Fire Department is renowned for having one of the most progressive, innovative and highly skilled Fire Suppression Divisions. The Fire Suppression Division currently consists of paid on call and career firefighters. The experience, knowledge and training that each firefighter possesses are great and varied. Fire Suppression is made up of individuals committed to providing a superior level of emergency services.

Firefighters respond to a variety of emergency situations including:

- All fire related calls (active fire, alarms, smoke odor investigation, etc.)
- Various types of rescue calls (motor vehicle accidents, ice & water rescue, etc.)
- Hazardous materials incidents (leak and spill containment)
- Public education
- Public relations
- Medical calls (ever increasing as the size of Mukwonago's population continues to increase)

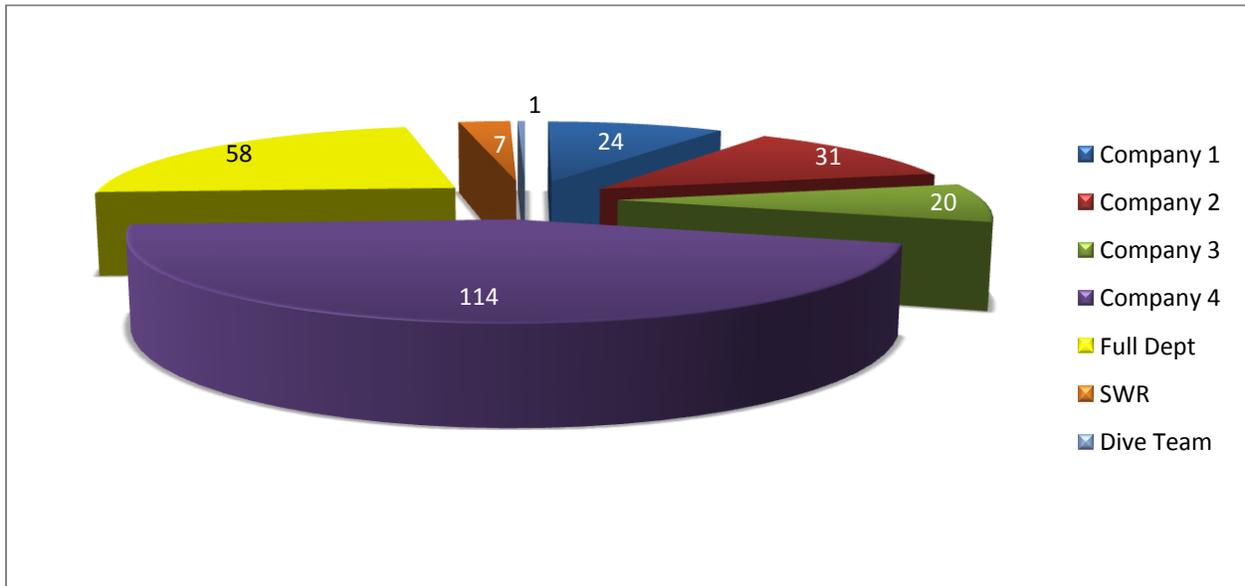


Call Volume 2000 - 2009

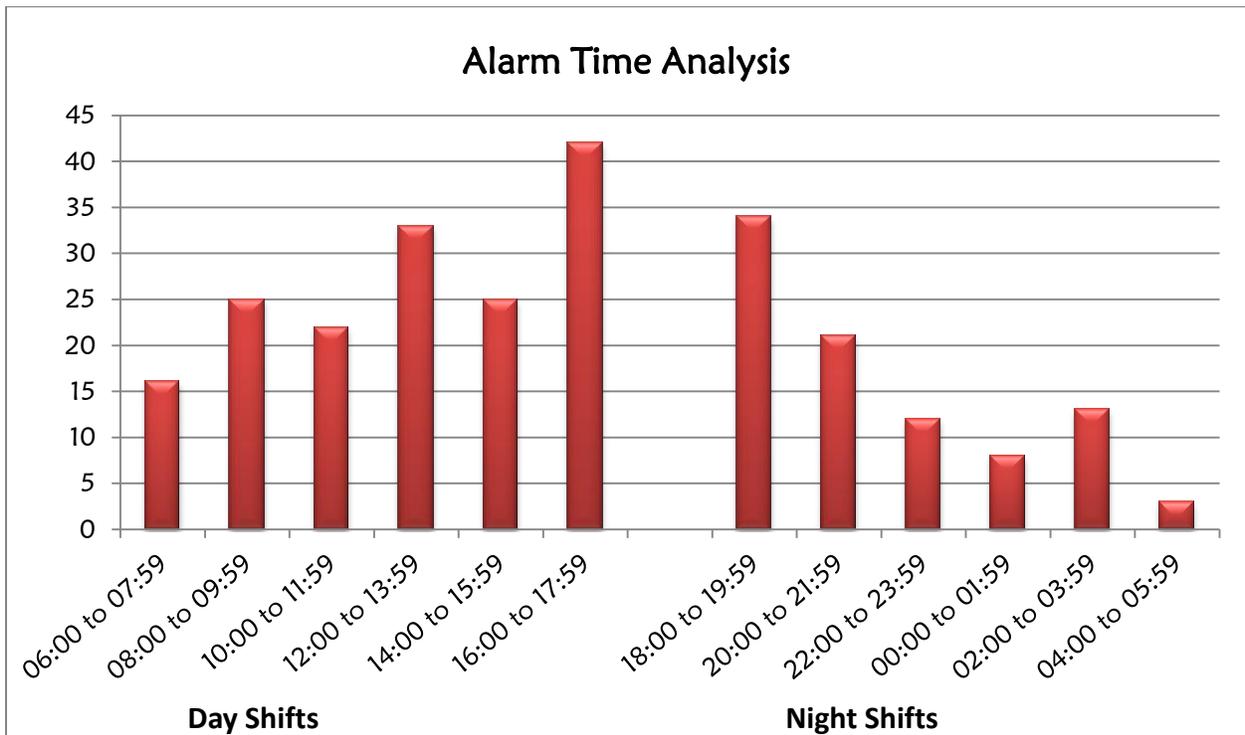


Call Volume By Company

The Mukwonago Fire Department has 4 Duty Companies. Company 4 represents the 6:00am – 6:00pm shift. This shift handles the majority of the totals calls for 2009.



Alarm Time Analysis



Incident By Type

<u>Incidents by Types</u>	<u>Amount</u>	<u>Percentage</u>
Alarm / Detector Activation	15	5.91%
Assistance Call	11	4.33%
Cancelled / False Alarm	33	12.99%
Hazardous Condition	39	15.35%
MVA	73	28.74%
Natural Disaster	1	0.39%
Outside Fire	15	5.91%
Rescue/EMS	8	3.15%
Special Incident	7	2.76%
Stand-by	5	1.97%
Structure Fire	33	12.99%
Vehicle Fire	10	3.94%
Water/Ice Rescue	4	1.57%



Fire Alarms By District

Location	2008	2009	+/-
Big Bend	3	4	1
Dousman	0	1	1
Eagle	2	1	-1
East Troy	3	1	-2
Mukwonago (Village of)	180	139	-41
Mukwonago (Town of)	95	85	-10
Muskego	3	1	-2
North Prairie	2	0	-2
Ottawa (Town of)	1	0	-1
Palmyra	1	0	-1
Tichigan	0	1	
Vernon (Town of)	8	11	3
Wales / Genesee	7	6	-1
Waterford	1	3	2
Waukesha (Town of)	0	1	1
Total	306	254	

Mukwonago Community,

The year 2009 found our Emergency Medical Services (EMS) with yet another increased call volume ending the year with a total of 1621 calls. More than 50% of those patients were transported with Advanced Life Support requiring a paramedic on the transport.

We have been an EMT-Paramedic service since 2004. Our crews consist of EMT-Basic's (basic life support), EMT-Intermediate Technicians, and EMT-Paramedic's. Every Paramedic must start at the EMT-Basic level because it is the foundation of EMS. Having varied levels of abilities, and skills allows our crews to work well together in providing excellent patient care. Our EMS service is continued to be overseen by our Medical Director Dr. Mark Schultz. He volunteers his time with us coming from a very diverse background. He is an Emergency Room Physician at Waukesha Memorial Hospital, the ever growing hospital in Waukesha County servicing greater than 45,000 patients each year. He is also a firefighter, and EMS provider in the Town of Merton. We are privileged to have Dr. Schultz train with us every month improving our proficiency and skills, when most Medical Directors may not see their departments more than a few times a year.

Our Paramedics are increasingly becoming more advanced in the care they are able to provide. Dr Schultz continues to set standards high above the rest of the county in the skills we are able to provide, the medications we are able to add to our arsenal, and the cutting edge protocols we use. An example of this is the new hypothermia protocol. We are on the forefront of medicine cooling patients that have been brought back to life by cooling their body temperatures in the field prior to arrival at the hospitals. This practice allows the body to essentially work on healing itself thus improving long term outcomes.

We have continued our orientation program for all new employees, and have expanded our program to include all our new Paramedics. This allows them to work closely with an experienced mentor for approximately a year and a half honing their skills, and confidence.

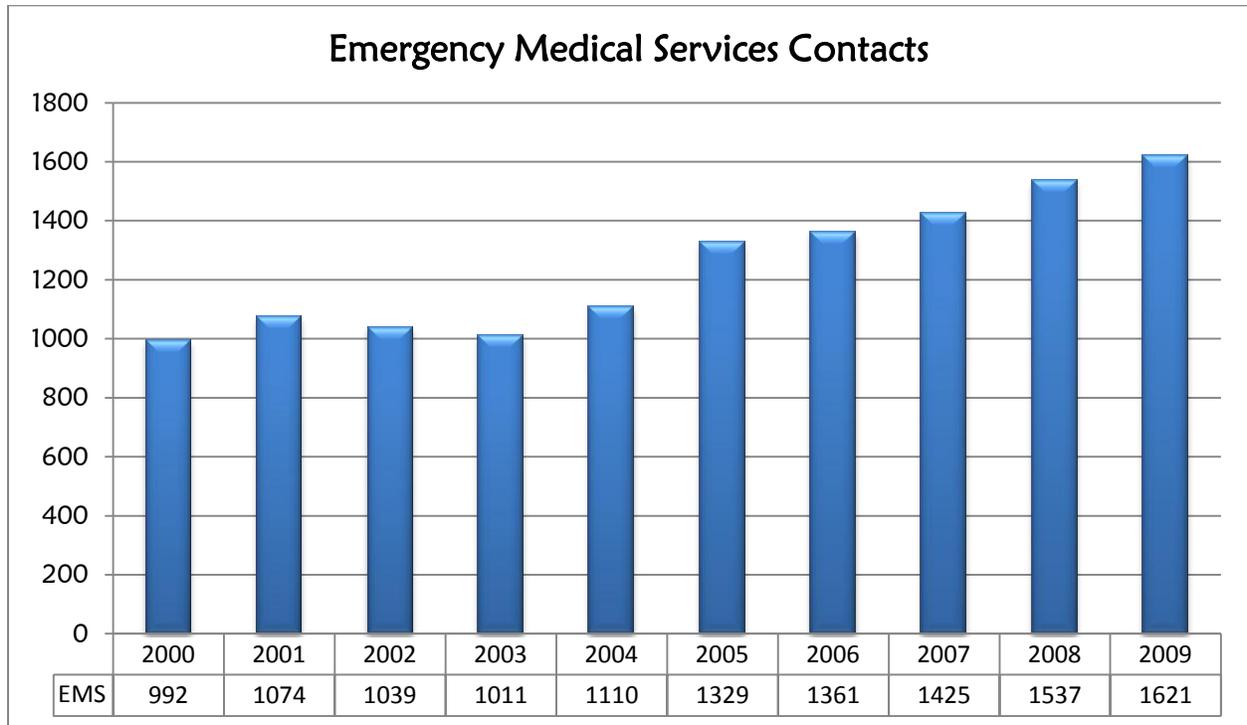
This year we have continued to work closely with the area technical colleges, to act as preceptors not only the students we send to school, but a growing number of students resourced to us for clinical experiences at all the varying levels of EMS from Basic to Paramedic. We have also completed the first in house refresher in compliance with the state monthly training requirements. This has allowed us to train within our own department, and decrease the amount of spending on traditional refresher trainings, while allowing our staff to minimize the extra time away from home. Our students are due for their final testing later this spring.

The citizens of Mukwonago have one of the best pre-hospital care programs in the county. The future of our EMS system is constantly evolving down a path that improves the care we are able to provide for our patients. We are proud to provide such great service to our community and those around us if necessary. We are also proud of the time, and dedication our staff has to achieving these high standards we are able to provide.

If you would like more information about our EMS system, please take the time to contact us.

Jenny Jaessing
EMS Lieutenant
Mukwonago Fire Department

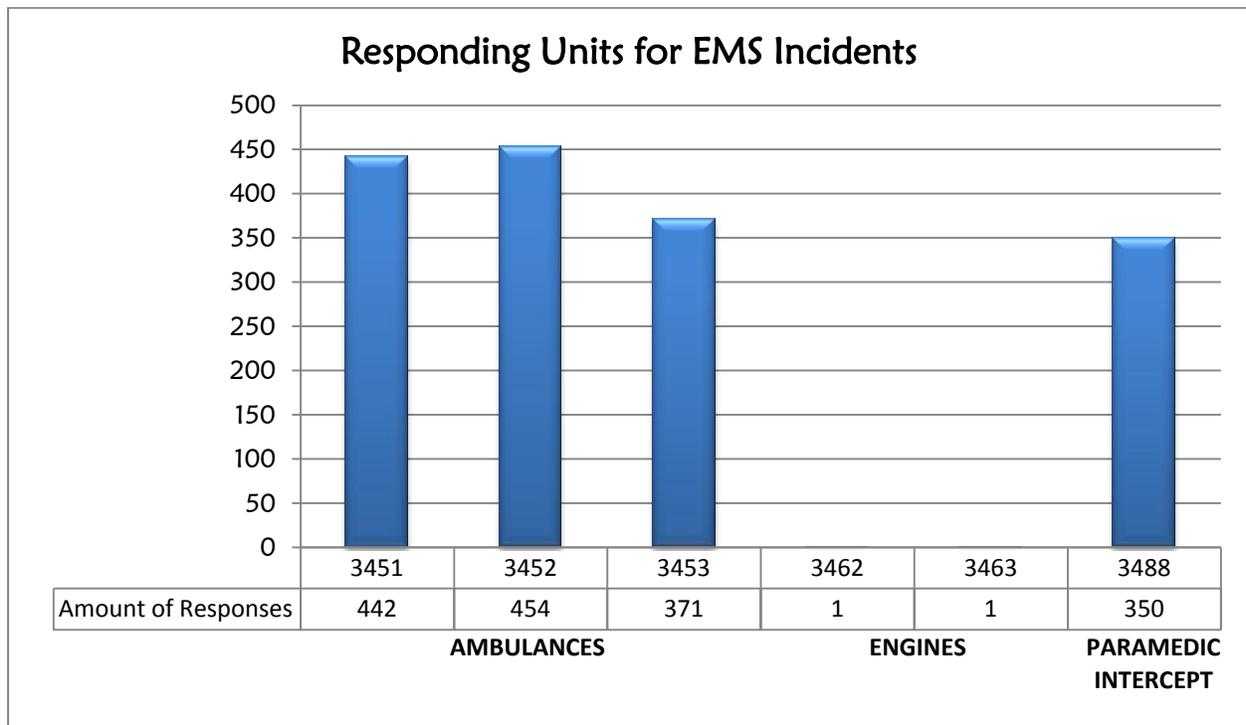
Emergency Medical Services



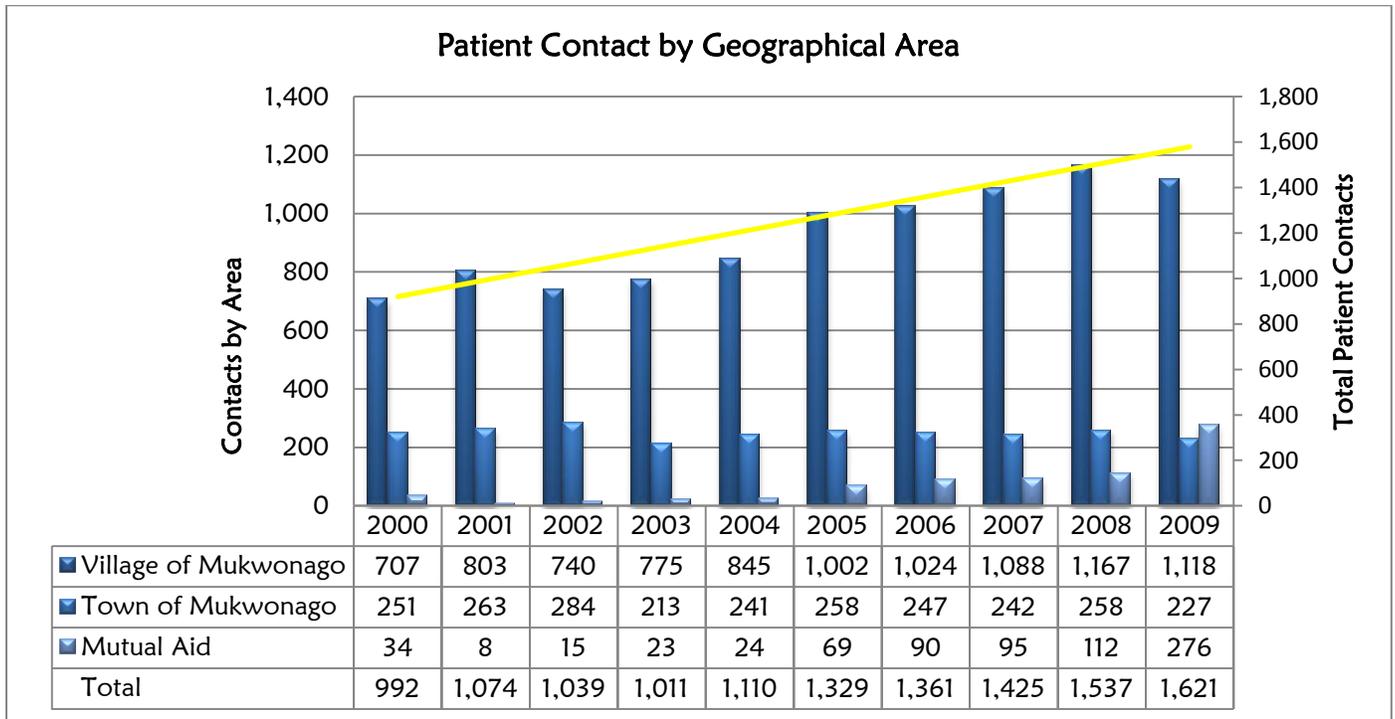
Since 2000 the Mukwonago Fire Department has experienced an
increase in EMS call volume by 629 patient contacts!

Runs by Primary Role of Unit

Primary Role of Unit	2008	2009	+/-
ALS Ground Transport	735	898	163
BLS Ground Transport	298	196	-102
ERU (Non-Transport)	1	0	-1
Non-Transport	401	410	9
Not Applicable	73	94	21
Transport	29	23	-6
Roto-Craft Transport	0	0	0
Total	1537	1621	84



Patent Contacts By Geographical Area



Since 2000 the Village of Mukwonago has had the highest call volume This is an increase of 411 calls since 2000.

The Town of Mukwonago has experienced a slight decline in 2009 as compared with 2000 by 24 calls. On average, the Town of Mukwonago has approximately 248 calls per year.

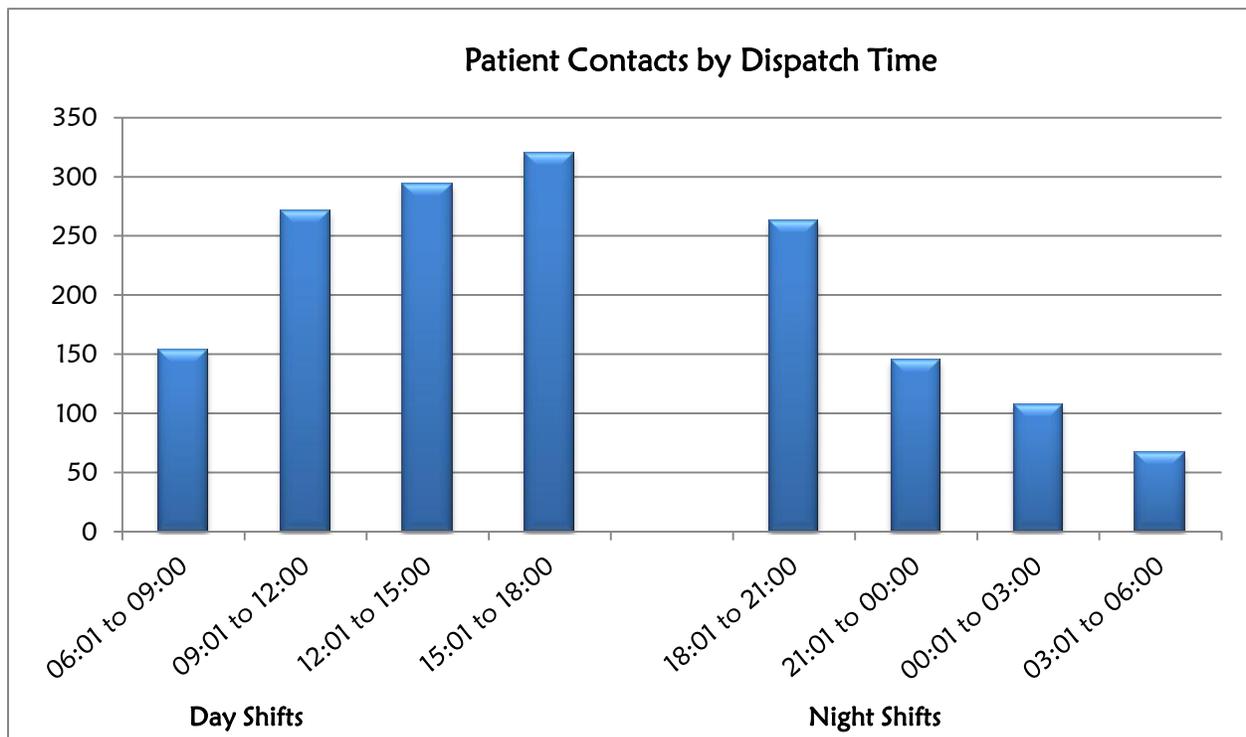
Mutual aid since 2000 has increased by 242 calls.

Alarm Time Analysis

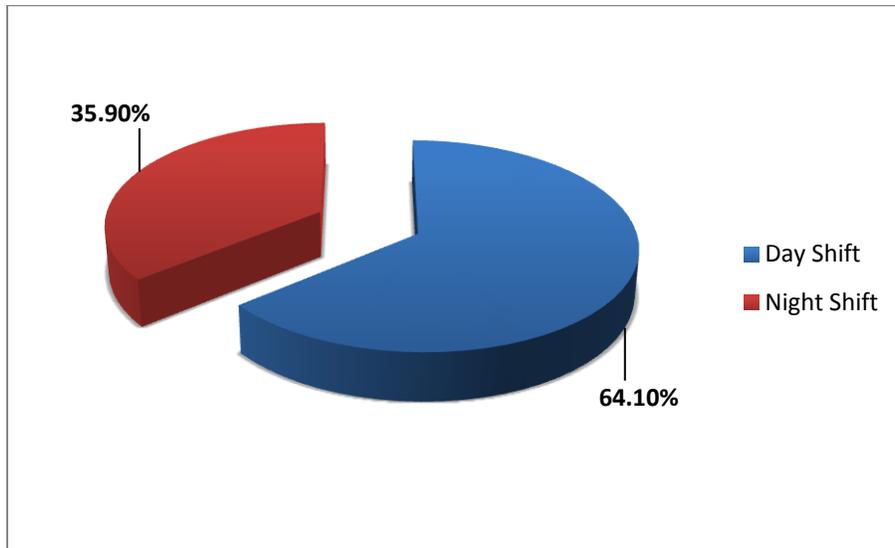
Patient Contacts by Dispatch Time and Day of Week

	Time Period	Sun	Mon	Tue	Wed	Thu	Fri	Sat	Total	Percent
Day Shift	06:01 - 09:00	12	21	32	22	27	23	17	154	9.50%
	09:01 - 12:00	37	39	53	41	30	34	37	271	16.72%
	12:01 - 15:00	22	40	50	48	38	47	49	294	18.14%
	15:01 - 18:00	50	43	53	46	43	52	33	320	19.74%
Night Shift	18:01 - 21:00	24	38	34	37	40	45	45	263	16.22%
	21:01 - 00:00	22	20	18	18	19	25	23	145	8.95%
	00:01 - 03:00	16	19	12	12	21	9	18	107	6.60%
	03:01 - 06:00	9	11	12	6	8	6	15	67	4.13%
		192	231	264	230	226	241	237	1621	

The busiest time of the day for the Mukwonago Fire Department is from 9:01am – 9:00pm.



Patient Contact by Shift



The Mukwonago Fire Department experienced 64.10% of their EMS calls during the daytime hours of 6:00am – 6:00pm. This is consistent with 2008.



Patient Contacts by Chief Complaint

The top five chief complaints:

	2008	2009
Traumatic Injury	17.45%	15.05%
Chest Pain/Discomfort	6.25%	6.72%
Respiratory Distress	3.58%	4.69%
Weakness	2.60%	3.08%
Abdominal Pain/Problems	3.39%	3.82%

Provider Impression	2008	2009
Abdominal Aortic Aneurysm	0.00%	0.19%
Abdominal Pain/Problems	3.39%	3.82%
Airway Obstruction	0.13%	0.06%
Allergic Reaction	0.91%	0.80%
Altered Level of Consciousness	1.69%	1.48%
Asthma	0.78%	0.56%
Back Pain (Non-Traumatic)	0.85%	1.11%
Behavioral/Psychiatric Disorder	0.52%	0.86%
Bowel Obstruction	0.13%	0.06%
Cardiac Arrest	0.72%	1.17%
Cardiac Rhythm Disturbance	1.56%	1.73%
Chest Pain/Discomfort	6.25%	6.72%
CHF (Congestive Heart Failure)	0.52%	0.37%
COPD (Emphysema/Chronic Bronchitis)	0.13%	0.19%
Dehydration	0.65%	0.12%
Diabetic Hyperglycemia	0.26%	0.12%
Diabetic Symptoms (Hypoglycemia)	0.52%	1.54%
Diarrhea	1.30%	0.00%
Electrocution	0.07%	0.00%
Epistaxis (Non-Traumatic)	0.26%	0.19%
ETOH Abuse	0.46%	0.31%
Fever	0.65%	0.49%
G.I. Bleed	0.52%	0.31%
General Malaise	0.00%	0.19%
Headache	0.07%	1.17%
Heat Exhaustion/Stroke	0.18%	0.00%
Hypertension	0.55%	0.62%
Hyperthermia	0.28%	0.31%
Hypotension	0.46%	0.25%
Hypothermia	0.18%	0.19%
Hypovolemia/Shock	0.20%	0.00%

Provider Impression	2008	2009
Inhalation Injury (Toxic Gas)	0.00%	0.06%
Migraine	0.65%	0.31%
Nausea/Vomiting (Unknown Etiology)	0.00%	1.11%
No Apparent Illness/Injury	3.71%	21.47%
OB/Delivery	0.20%	0.06%
Obvious Death	0.46%	0.49%
Other	9.51%	10.43%
Other Abdominal/GI Problem	0.26%	0.31%
Other Cardiovascular Problem	0.13%	0.06%
Other CNS Problem	0.00%	0.25%
Other Endocrine/Metabolic Problem	0.00%	0.06%
Other GU Problems	0.07%	0.06%
Other Illness/Injury	1.76%	1.73%
Other OB/Gyn	0.13%	0.19%
Pain	3.45%	2.96%
Poisoning/Drug Ingestion	0.85%	0.86%
Pregnancy/OB Delivery	0.13%	0.06%
Respiratory Arrest	0.13%	0.06%
Respiratory Distress	3.58%	4.69%
Seizure	2.21%	1.97%
Sepsis	0.13%	0.49%
Sexual Assault/Rape	0.00%	0.06%
Stings/Venomous Bites	0.00%	0.12%
Stroke/CVA	0.91%	1.11%
Substance/Drug Abuse	1.30%	0.86%
Syncope/Fainting	2.34%	1.73%
TIA (Transient Ischemic Attack)	0.07%	0.43%
Traumatic Injury	17.45%	15.05%
Unconscious	0.20%	0.49%
Unknown Problem	0.72%	4.45%
Weakness	2.60%	3.08%

Traumatic Injuries

Cause of Injury	# of Runs
Assault	4
ATV Rider	1
Bicycle Accident	2
Bites	2
Caught in/between Objects	1
Drug Poisoning	2
Excessive Heat	1
Falls	131
Housing/Dangerous Condition	1
Machinery Accidents	2
Motor Vehicle Non-Traffic Accident	10
Motor Vehicle Traffic Accident	121
Motor Vehicle vs Deer	2
Motor Vehicle vs Pedestrian Accident	1
Motorcycle Accident (E81X.1)	7
Other Injury	22
Overexertion	2
Sexual Assault	1
Snowmobile Accident	2
Stabbing/Cutting Accidental (E986.0)	2
Struck by Blunt/Thrown Object (E968.2)	2
Struck by or Against	12
Unarmed Fight/Brawl	1
Venomous Stings (Plants, Animals)	1
Water Transport Accident	1
Unknown	145



Medications Administered

Medication Administered	
Medication Name	Glucose (Oral)
Adenosine	Lidocaine
Albuterol Sulfate	Medication Name
Amiodorone (Cordarone)	Magnesium Sulfate
Aspirin (ASA)	Methylprednisolone (Solu-Medrol)
Atropine Sulfate	Midazolam (Versed)
Calcium Chloride	Morphine Sulfate
Dextrose 50% (D50)	Naloxone (Narcan)
Diazepam (Valium)	Nitroglycerin
Diltiazem (Cardizem)	Nitroglycerin Drip
Diphenhydramine (Benadryl)	Normal Saline
Dopamine	Not Applicable
DuoNeb (0.5mg Atrovent/2.5mg Albuterol)	Ondansetron (Zofran)
Epinephrine 1:10,000	Oxygen
Epinephrine 1:1000	Sodium bicarbonate
Fentanyl	Ziprasidone (Geodon)
Glucagon	

Location of Patient Contacts

Location Type	2008	2009	+/-
Airport	0.00%	0.06%	0.06%
Farm	0.26%	0.37%	0.11%
Health Care Facility (clinic, hospital)	27.54%	26.03%	-1.51%
Home/Residence	39.32%	38.06%	-1.26%
Industrial Place and Premises	0.39%	0.37%	-0.02%
Lake, River, Ocean	0.33%	0.86%	0.53%
Not Applicable	1.50%	4.38%	2.88%
Other Location	0.72%	0.19%	-0.53%
Place of Recreation or Sport	1.37%	1.42%	0.05%
Public Building (schools, gov, offices)	7.88%	7.65%	-0.23%
Residential Institution (nursing home, jail/prison)	0.20%	0.80%	0.60%
Street or Highway	17.71%	16.16%	-1.55%
Trade or Service (Business, bars, restaurants, etc.)	2.80%	3.58%	0.78%
Unspecified place	0.00%	0.06%	0.06%

Facilities Transported to in 2009

Destination	2008	2009	+/-
Air Transport	0.00%	0.18%	0.18%
Children's Hospital of Wisconsin	2.39%	2.19%	-0.20%
Clement J Zablocki VA Medical Center	0.10%	0.18%	0.08%
Community Memorial Hospital	0.10%	0.00%	-0.10%
Elmbrook Memorial Hospital	0.96%	0.37%	-0.59%
FORT HEALTH CARE	0.00%	0.09%	0.09%
Froedtert Memorial Lutheran Hospital	1.05%	1.64%	0.59%
LAKELAND HEALTH CARE CENTER	1.91%	4.02%	2.11%
LINDENGROVE - MUKWONAGO	0.10%	0.09%	-0.01%
Memorial Hospital of Burlington	0.67%	1.00%	0.33%
Oconomowoc Memorial Hospital	1.82%	1.37%	-0.45%
St. Francis Hospital	0.10%	0.18%	0.08%
St. Joesph Regional Medical Center	0.00%	0.09%	0.09%
St. Lukes Medical Center	1.15%	1.19%	0.04%
The Wisconsin Heart Hospital	0.29%	0.09%	-0.20%
Waukesha Memorial Hospital	88.24%	86.03%	-2.21%
West Allis Memorial Hospital	1.05%	1.28%	0.23%

Reported Medical Conditions

Medical History	#	Medical History	#
Amputee	4	Hepatic - Hepatitis A	1
Asthma	115	Hepatic - Hepatitis C	4
Cancer	29	Hepatic - Hepatitis Other	2
Cancer - Bone	1	Hepatic - Liver Failure	3
Cancer - Breast	26	Hepatic - Other Hepatic Condition	2
Cancer - Colon	8	HIV/AIDS	1
Cancer - Kidney	5	Hypercholesterolemia	131
Cancer - Liver	1	Hypertension	417
Cancer - Lung	11	Hypotension	6
Cancer - Other Cancer Condition	21	IV Drug Use/Abuse	1
Cancer - Ovarian/Uterine	5	Migraine Headaches	11
Cardiac	130	Neurological - Fibromyalgia	4
Cardiac - Angioplasty	38	Neurological - Multiple Sclerosis	8
Cardiac - Congestive Heart Failure	81	Neurological - Other Neurological Condition	6
Cardiac - Coronary Artery Disease	92	Not Applicable	8
Cardiac - Dysrhythmia/Arrhythmia	89	Not Known	5
Cardiac - Heart Transplant	1	Osteoporosis	24
Cardiac - Myocardial Infarction	78	Other	28
Cardiac - Other Cardiac Conditions	37	Parent/Guardian Denies PMH	69
Cardiac - Pacemaker	54	Patient Denies PMH	219
Cardiac - Stent	63	Psychiatric/Behavioral Problems	15
Chronic Renal Failure/ Dialysis	25	Psychological/Behavioral - Anxiety Disorder	60
Chronic Respiratory (COPD)	40	Psychological/Behavioral - Attention Deficit Disorder	4
Chronic Respiratory - Bronchitis	8	Psychological/Behavioral - Depression	102
Chronic Respiratory - Emphysema	17	Psychological/Behavioral - Manic/Depressive	7
Delevopmental Delay/Mental Retardation	1	Psychological/Behavioral - Obsessive/Compulsive	1
Diabetes	222	Psychological/Behavioral - Other Condition	18
Endocrine - Hyperthyroidism	1	Psychological/Behavioral - Schizophrenia	3
Endocrine - Hypothyroidism	17	Seizure Disorder/Failure	40
GI/GUI - Diverticulitis	16	Stroke/CVA	50
GI/GUI - Gastric Reflux	42	Substance Abuse (ETOH/Other)	12
GI/GUI - Irritable Bowel Syndrome	3	TIA (Transient Ischemic Attack)	22
GI/GUI - Other GI/GUI Condition	13	Tuberculosis	2
GI/GUI - Ulcers	8	Unable to Obtain PMH	26
GI/GUI - Urinary Tract Infection (UTI)	4	None	461

Mukwonago Fire Department Special Services

Dive Team

The Mukwonago Fire Department Water Operations consists of a Dive Team and personnel trained in surface ice rescue techniques.

The Dive Team has 5 active divers, 2 non-active divers and 6 line tenders with various levels of certification. The team trains in area lakes and ponds, which cover more than 750 acres. The team holds monthly practices to work on line tending, search patterns and other rescue details. The dive team also assists with the boater's safety class held by the Town of Mukwonago Police Department every summer.

Presently, the Dive Team uses both personal and department owned equipment. Three out of the five members use personal dive gear. The majority of the department owned equipment has been purchased from funds through generous contributors of the past. Without these contributions, the department would not have equipment like the following:

- Water Operations Unit 3487 (1988 7' x 20' step van donated by WE Energies in 1998)
- Rescue One Connector Boat 3496 (Koeffler Estate)
- Rescue Alive ice rescue sled (Koeffler Estate)
- 4 cold water exposure suits (Koeffler Estate)
- 4 personal floatation devices (Koeffler Estate)
- 2 sets of dive gear (Koeffler Estate)
- 2 dry suits (Koeffler Estate)
- 150' rope bag (Koeffler Estate)
- 1st and 2nd stage regulator and gauges (Koeffler Estate)
- Contingency tank harness (Koeffler Estate)
- Pony tank harness (Koeffler Estate)

In the winter months the unit has two in-house ice rescue trainers to train members on surface ice rescue techniques. Monthly dive practice includes: ice diving, open water diving, line tending, search pattern, search and rescue, techniques for surface and subsurface operations, emergency rescue for divers in trouble and much more!

Rapid Intervention Crew (RIC)

Who rescues the firefighters? ... the Rapid Intervention Crew (RIC)!

Mukwonago firefighters practice searching and locating down firefighters. Some of the items we need for rescue include:

- A portable air source
- Spare radio
- Rope line
- Hand tools (forcible entry tools, flashlights, etc.)
- Infrared search devices
- Hose line

During 2009, the Mukwonago Fire Department trained jointly with numerous local fire departments to practice the fundamentals of the Rapid Intervention Crew (RIC). To reduce line-of-duty deaths, the RIC team trains using the latest technology available to them and advanced training programs.



Different jurisdictions, even those that are next to each other, often have slightly different equipment. Some have different air packs. Re-supplying the air of a down firefighter is the most important concern in rescue. The down firefighter often times will have a limited supply of air and are in a very hostile environment.

The roll of the RIC team is to enter a structure in the event that a firefighter has become trapped, injured or even lost in a structure. The RIC team is highly trained in search and rescue techniques, mask change-over, forcible entry, rapid extrications and the list goes on.



Mechanical Division

The National Fire Protection Association (NFPA) Standard 1002 on Fire Apparatus Driver/Operator Professional Qualifications states that all Fire Departments perform routine tests, inspections, servicing functions and maintenance on all apparatus. Maintenance is defined as keeping an apparatus in the state of usefulness or readiness. Some of the maintenance performed by the Mukwonago Fire Department Motor Pump Operators include:

- Visual inspections
- Inspecting for leaking fluid and low tire pressure
- Checking all fluids
- Check for physical damage to the body of the apparatus
- Tears in seatbelts
- Proper functioning of instrument gauges



Apparatus

Engines: 3

Ladder Truck: 1

Water Tender: 1

Wild Land: 2

ATV: 1

Dive Team: 1

Boat: 1

Personnel: 4

Ambulances: 3

Paramedic Intercept: 1



Mechanical Division

Engines



Vehicle: 3461 – Spartan Darley
Year Purchased: 1990
Approximate Cost: \$ 190,000
Replacement Year: 2020
Replacement Cost: \$ 488,200

Vehicle: 3462 – 2002 Pierce Enforcer
Year Purchased: 2002
Approximate Cost: \$ 285,000
Replacement Year: 2027
Replacement Cost: \$ 500,000



Vehicle: 3463 – 2001 Pierce Enforcer
Rescue Style Pumper
Year Purchased: 2008
Approximate Cost: \$ 198,000
Replacement Year: 2027
Replacement Cost: \$ 500,000

Mechanical Division

Specialty Apparatus

Vehicle: 3471 – Pierce Aerial Platform 110'
Year Purchased: 2006
Approximate Cost: \$ 75,000
Replacement Year: 2014
Replacement Cost: \$ 800,000



Vehicle: 3481 – Chevy
Year Purchased: 1990
Approximate Cost: \$ 35,000
Replacement Year: 2010
Replacement Cost: \$ 90,000

Vehicle: 3484 – 6x6 and Trailer
Year Purchased: 1997
Approximate Cost: \$ 8,500
Replacement Year: 2010
Replacement Cost: \$ 10,000



Mechanical Division

Water Operations

(ice and open water)

Vehicle: 3487 – 1988 Chevy
Year Purchased: 1998
Approximate Cost: Donated by
WE Energies
Replacement Year: 2013
Replacement Cost: \$ 70,000



Vehicle: 3496 – 1998 Rescue One
Year Purchased: 1997
Approximate Cost: \$ 13,000
Replacement Year: 2017

Mechanical Division

Personnel Vehicles



Vehicle: 3489 – 4x4 4 door Chevy
Year Purchased: 2000
Approximate Cost: \$ 30,000
Replacement Year: 2015
Replacement Cost: \$ 65,000

Vehicle: 3488 – Chevy Suburban
Year Purchased:
Approximate Cost: \$
Replacement Year:
Replacement Cost: \$



Vehicle: Car 1 – 2004 Ford Escape
Year Purchased: 2004
Approximate Cost: Lease
Replacement Year: 2010
Replacement Cost: \$ 45,000

Mechanical Division

Ambulances

Vehicle: 3451 – 2007 Med Tec Ford E-350
Year Purchased: 2007
Approximate Cost: \$ 118,000
Replacement Year: 2016
Replacement Cost: \$ 145,000
Number of Calls Responded to in 2009: 442



Vehicle: 3452 – 1995 Med Tec Ford E-350
Year Purchased: 2007
Approximate Cost: \$ 18,500
Replacement Year: 2012
Replacement Cost: \$ 135,000
Number of Calls Responded to in 2009: 454

Vehicle: 3453 – 2000 Freightliner Med Tec
Year Purchased: 2000
Approximate Cost: \$ 130,000
Replacement Year: 2015
Replacement Cost: \$ 210,000
Number of Calls Responded to in 2009: 371



