HANOVER HOSPITAL

MEDIC 46
PA’S FIRST IN CORONARY CARE

20 YEARS OF SERVICE

1986-2006
The following information was disclosed during a news release dated \textbf{February 15, 1982}: 

In November of 1969, out of concern for the citizens of Hanover and the surroundings area, Mr. R.H. Sheppard donated a mobile coronary care van to the borough. Mr. Sheppard had the foresight to realize this new service would immeasurably benefit the community and he took a special interest in the project, following the activity of the unit over the years. He became interested in equipment improvements and design refinements of mobile van with supportive medical equipment in 1975.

Recently, another new mobile coronary van was received by the borough, donated by the late Mrs. Eva K. Sheppard in memory of her husband, Mr. R.H. Sheppard. The new unit incorporates up-to-the minute improvements in design and equipment, providing much-needed additional work space and storage areas, and a more comfortable ride for the patients.

The original van, the first in central Pennsylvania, was the seventh to be placed in service in the United States, and the first one in our state.

Before MCCUs were placed in service, about 60\% of all coronary cases died before they could reach the hospital. Use of these units has substantially altered this statistic.

“Having a heart attack doesn’t mean you have to die”, said Fire Commissioner James Roth. “Even in the event of a complete cardiac arrest, where heart and breathing stop, there are four minutes before irreversible brain damage begins”.

Four precious minutes in which to work for a second chance at life.

And many area residents have received that second chance, thanks to the MCCU.

Since 1969, the van has made 5,946 emergency calls. Over 35\% of these have been either heart attacks or coronary-related problems. Of the 835 trips made in 1980 alone, 11 persons who suffered a cardiac arrest were successfully resuscitated by members of the coronary van team.
Eleven people were given a second chance at life.

Operation and manning of the van is a cooperative effort between Hanover General Hospital and the Borough of Hanover.

The hospital equips the van with the necessary medical supplies and provides a registered nurse specially trained in cardiac care and advanced life support techniques to go on each. It also provides additional training programs in the care of coronary patients for van drivers.

The borough funds a budget for maintenance of the van, and van drivers are paid Hanover Firefighters. Drivers are also certified Emergency Medical Technicians and CPR instructors.

Working together, these two agencies, the hospital and the borough of Hanover, provide a first-class mobile emergency cardiac care program for the area residents. Each is sincerely concerned with the welfare of the community, and the resulting level of cooperation makes Hanover’s MCCU one of the most cost-efficient operations of its kind in the United States. The program is an outstanding example of what can be accomplished when community agencies and public-spirited citizens work together toward a common goal.

There are eight Coronary Care nurses employed at Hanover General who have been assisting on van calls since 1969. Of these, Mrs. Anna Moul, Head Nurse in the Coronary Care Unit, holds the record, having assisted on 557 calls.

Similar statistics exist among van drivers and one, Firefighter Joseph Markle, has made 1,660 calls.

In the borough, an off-duty volunteer fireman is on call as the third attendant on van calls. On calls out of the borough, the third attendant is provided by the ambulance servicing the call area. All volunteer attendants are trained in basic life support.

The van assists 12 area ambulance companies in a radius of about 10 miles. “We essentially bring the hospital to the patient”, states Lt. Joseph Myers of the Hanover Fire Department. “the van is actually a mini-coronary care unit extensively equipped with the same apparatus found in the hospital’s Coronary Care Unit. Our mission is to arrive as quickly as possible, administer treatment necessary to
stabilize the patient, and transport back to the hospital.”

The average response time is 3 minutes within the borough of Hanover. On calls outside of the borough, the van often meets the local ambulance halfway in order to save time.

Primarily used for suspected coronary cares, the MCCU is also used in situations where the patient is found unconscious. It is not intended for use as an accident ambulance, although it has assisted on ambulance calls involving severe accidents and multiple trauma.

To place a call for the Mobile Coronary Care Unit, persons in York County dial 911. In Adams County, the number is 624-2101. These base units notify the hospital and the fire department. In approximately 50 seconds the van will be on its way with life-saving equipment and crew, ready to provide you with the fastest and best possible cardiac medical attention.

Mr. Kenneth H. Welsh, Administrator of Hanover General, stated, “The hospital is grateful to the Sheppard family for the concern and generosity they have demonstrated over the years in making it possible to offer this service for the benefit of the community of Hanover.”
November 1, 1969

Dear Doctor,

The Mobile Coronary Care Unit will be placed in service on November 15, 1969. As you know, the purpose of the unit is to extend the facilities of our Hospital's Coronary Care Unit to the home of the patient suspected of having a myocardial infarction.

The MCCU will be dispatched only at the request of a staff physician. He may do so by calling the base station, 632-7111, in the Hanover Borough, or the local ambulance service outside the borough, which will in turn call the base station and relay the physician's request. In the eventuality there is difficulty in reaching the local ambulance service, the physician may elect to call the base station directly from outside the borough.

When notified, the MCCU will immediately proceed to the hospital for one of our CCU nurses, and then on to the patient's home. A volunteer will have been notified to meet the MCCU at the patient's home.

Upon arrival at the home the nurse will routinely start an I. V., monitor the cardiogram, and administer oxygen and/or narcotics if necessary. The routine emergency procedures of the CCU will be carried out. When the patient is stable, he will be brought to the hospital; and admitted to the Coronary Care Unit, unless contrary instructions are given. The patient may be held in the emergency room at the physician's request.

There should be no delay in the MCCU reaching the patient's home. If a physician directly dispatches the MCCU from outside the borough, it will be his responsibility to supply concise directions to the patient's home. Those directions may be given while the MCCU is enroute to the home.

Our staff has unanimously endorsed the concept of the MCCU. If we give it our complete support in its operations, I am certain that the mortality from myocardial infarction will be significantly reduced in our area.

Respectfully yours,

Bernard N. Bateman, M. D.
Director
Coronary Care Unit
On November 15, 1969 at 1:30 pm, Hanover General Hospital and the Borough of Hanover placed in service Mobile Coronary Care Unit #136. The MCCU was a 1970 International Travelall Ambulance built by Springfield Equipment Company of Springfield, Ohio. This vehicle had a 149 inch wheelbase, 30 inches of extra length in relation to a standard Travelall Wagon. This unit had only a small jump seat located where the modern day bench seat would be located. Wooden covers were placed over the rear side windows for privacy. A special shelf was installed on the left side wall above the stretcher to carry the coronary care equipment. This equipment included a LifePak 33 portable electrocardioscope and defibrillator unit, oxygen inhaler, and a Laerdal suction machine. A HLR (heart-lung-resuscitator) machine was also carried. This machine featured a small piston which could be strapped to the patient’s chest to provide cardiac compressions if CPR was required. The MCCU also carried supplies for starting IV lines and various cardiac medications and narcotics. Standard ambulance equipment, such as bandages and splints, were not included in the MCCU inventory, as the MCCU responded only to coronary calls. Other medical emergencies such as accidents and illnesses were handled by the Basic Life Support Units. The total cost of the ambulance and equipment was about $20,000, all of which was donated by Mr. R.H. Shepard.

In the summer of 1975, Hanover fire Department and Hanover General Hospital placed a new Coronary 46 Unit into service. It is a box type structure giving the care providers in the back more room to work. A local businessman also donated this unit.
March 25, 1971

M.C.C.U. 136

ATTENTION: All Drivers

As of this date, the following procedures will be strictly adhered to until further notice:

1. Every 30 runs, heart unit will be returned to Sheets Brothers for inspection, oil, grease, etc. - nowhere else.

2. Sheets Brothers will assign one man only to work on unit at all times. Name of person shall be put in daily log. Members will not allow anyone else to work on unit unless by permission of Mr. Robert Sheets.

3. Anytime a driver finds anything wrong with apparatus, it shall be put in writing, entered in daily log and given to the mechanic assigned at Sheets Brothers.

4. During regular hours of Sheets Brothers, driver will call or bring unit to them.

5. After hours, if it is a major problem, Mr. Bob Sheets will be notified by telephone - 637-3687.

6. Mr. Sheets has assured us that the mechanic assigned will drop what he is doing to try to keep unit operational at all times.

HANOVER FIRE DEPARTMENT

Roy Miller
Commissioner
September 17, 1974

Mr. R. H. Sheppard
R. H. Sheppard Company
101 Philadelphia Street
Hanover, Pennsylvania

Dear Mr. Sheppard:

I finally received all of the estimates for the new Mobile Coronary Care Van. The entire unit will be approximately $21,500, which includes all new equipment, as previously discussed. Judging from the ads on used equipment and discussions with the Fire Commissioner, it would appear that an estimated sale price of our present van should be around the $7,000 figure. I will of course try my level best to get the top dollar in this connection. Therefore, the net cost for the new van will be around $14,500.

Speaking for myself, this is indeed a great service to the community that was basically conceived by you and became a reality through your generous contribution. It is also noteworthy that you have volunteered to underwrite the replacement of the original Coronary Care Van. For this I say a sincere and genuine thank you.

Sincerely,

Kenneth H. Welsh
Administrator

Above: An original letter from Mr. Welsh to Mr. RH Sheppard requesting a new coronary van in 1974.

Right: An official medical command authorization form provided to each pre-hospital provider in 1970
ADVANCED LIFE SUPPORT UNIT CHARGES

26 July 1982

HARRISBURG MEDICAL TRADE AREA
- Upper Dauphin ALS (volunteer squad):
  $15. minimum plus supplies
- Hershey EMS (MICU, volunteer and paid staff):
  $40. plus $1.25 per mile
- Liberty Life Squad (volunteer squad):
  $40. response charge plus various ALS charges
  I.V.: $15.
  Meds.: $5. each
  EOA or E2 Insertion: $35.
  Cardiac Arrest: $120. plus response charge
  Trauma: $65. (include MAST, one I.V.)
  MAST: $33. if inflated
  No charge if patient is released to BLS and resides in Borough of Middletown.
- River Rescue (MICU):
  $40. plus $1.25 per mile

LANCASTER MEDICAL TRADE AREA
- Northwest ALS (volunteer squad):
  $50. plus supplies
- Lancaster Osteopathic Hospital (paid ALS squad):
  Service and supplies billed on an individual basis.
- Lancaster General Hospital (paid MICU):
  $60. plus $1. per mile outside Lancaster.
  Supplies billed separately.

YORK-ADAMS MEDICAL TRADE AREA
- York Hospital (ALS squad):
  $25. plus supplies and services

A cost analysis of ALS response in the South Central PA in 1982.
Above: Yearly call volume per municipality for MCCU 46.

Left: The cost of an ambulance style vehicle for MCCU 46.

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MEDIC 46
WAS
OFFICIALLY
PLACED IN
SERVICE ON
JULY 16, 1986
AT 7 A.M.!!!

“Medic 46 to York” said emergency department director Dr. Keith Henderson. A dispatcher from York County Control acknowledged the call, “Medic 46”. Dr. Henderson replied, “Medic 46 is now in service.” The dispatcher stated, “10-4 Medic 46, good luck.”

The traditional ambulance-style vehicle was traded for a more versatile, easier to maneuver, four-wheel drive, sport utility vehicle. Medic 46 started using Chevrolet Suburbans as shown below.
**Man thanks Medic 46 for life-saving action**

By KAY KRUSEN

The Evening Sun, August 13, 1986

HANOVER — G. Millard Staub was picked up a load of brick at Alway's in New Oxford last Friday morning at about 7:30 a.m. when he began to feel tightness and an uncomfortable feeling in his chest. He was also sweating and short of breath.

Before the morning was over, 66-year-old Millard Staub experienced a cardiac arrest.

Today the Westminster man is cracking jokes and feeling very lucky to be alive. The potentially fatal heart attack was suffered outside the way to the hospital — in Medic 46.

Says Staub, "I was lucky, being in the right place. Those paramedics saved my life."

Riding Medic 46 that day were Hanover General Hospital Advanced Life Support Coordinator Stephen Woods and paramedic Dave Richards.

Staub has already been released from HGH's corollary care unit and he expects to be discharged in one to two weeks. It is the first time he's ever been hospitalized.

Staub credits his physician's good judgment in insisting that Staub be taken to a hospital (Medic 46) for further tests.

"I wanted my daughter-in-law to drive me. I didn't want the ambulance. But his (Dr. Eugene Sorensen's) decision saved my life," said Staub.

Stephen Woods, HGH advanced life support coordinator, described the morning Medic 46 personnel saved Staub's life.

The hospital received the call from Staub's doctor in Abbottstown at 11:15 a.m. to bring Staub to HGH for a complete check-up.

Says Woods, "By the time we got there at 11:34 the patient was completely asymptomatic. His blood pressure was normal. He was not experiencing any discomfort.

"Routine ALS advanced life support care was administered. He was placed on a cardiac monitor, an IV (intravenous) line was inserted as a preventative measure to administer drugs or take blood samples, and he was put on oxygen."

Wood says they were midway between Abbottstown and Hanover on the Abbottstown Pike in front of the bowling alley when Staub suddenly went int cardiac arrest.

Says Woods, "We were talking and he was telling me that he felt fine. I didn't think he was getting any chest pain that morning, he'd bet out of his boat fising row and all of a sudden his body began convulsing."

I looked at the cardiac scope and it showed he was in VFB (ventricular fibrillation). What that means is the heart isn't pumping, it's just sitting there quivering.

"Another name for it is "cardiac arrest," said Woods.

"The first thing Woods did was to perform a precordial thump, a strong hit in the center of the chest in an attempt to get the heart to return to normal rhythm.

"When that didn't work he used electronic paddles on board to defibrillate the heart. Although Staub's heart began to beat again, it produces some dangerous extra heartbeats called premature ventricular contractions, PVCs for short.

"In some cases PVCs are the cause of ventricular fibrillation or cardiac arrest. According to Woods, PVCs came about because of irritation to the heart wall.

"We administered 100 milligrams of Lidocaine, which is an anesthetic, through the IV line. It travels through the blood vessels and reaches the heart to soothe the irritated heart muscle," Woods said.

Staub's condition stabilized before they reached the hospital.

Says Woods, "He apologized for falling asleep during our conversation. He didn't know he had suffered an MI (myocardial infarction)."

Staub said, "I heard someone saying "Mr. Staub wake up, wake up Mr. Staub!" I think it was three times. And I said "Did I die off on you?" And they laughed, said I did a lot worse than died off."

Staub was in the care of the paramedics for about 23 minutes. The cardiac episode and life-saving procedure was just six minutes in length.

Woods, who administers the ALS program, was filling in as the vacation schedule when the call came in. Although he has performed cardiac resuscitation many times, this was his first "save," as well as the first save for Medic 46.

Millard Staub is counting the days until he's discharged so he can pick up where he left off on that fishing trip on the Chesapeake Bay with his wife, Eileen. They live at 922 Grand Valley Road in Westminster.

Although he officially retired as a masonry contractor Jane 6, Staub says, "I'm not about to sit in a rocker. I feel too good for that."

G. Millard Staub rests in his hospital bed.
The first paramedic class was started in Hanover in 1986 and lasted until 1987.

Seated: Sherri Carlson Wright, Galen Krebs, David Hutchison, Jeffrey Gormley, Franklin Duck, Anthony Clouther, Scott Butts, and Robert Adams.

Standing: David Markley, Jeffrey Spielman, Terry Smith, Michael Smith, Jonathon Elmer, Rick Mitchell, and Mark Miller
In June of 1998, Medic 46 placed into service a newer style emergency response vehicle. This vehicle had the same red look to it with a different body style. The vehicle was a 1998 E-One Rescue Vehicle that was donated by the Eva K. Sheppard Trust Fund.
In 2002, Medic 46 placed in service a new vehicle with a new look. The vehicle was a white 2001 Ford Excursion with red stripes which replaced the 1992 Chevrolet Suburban. The new style vehicle proved to be very useful and durable. A few years later, a 2003 Ford Excursion replaced the 1998 box-style E-One chase vehicle. The new Ford was equipped with a more efficient warning system that included an LED lighting system and electrical Federal audible warning device. With the rapid increase in call volume, the need for a third vehicle became evident. For the first time in ALS history at Hanover Hospital, Medic 46 had three vehicles available to serve the community. A 2005 Ford Excursion was placed in service in March of 2006. The new Ford had the same exterior look as the other two Excursions. However, the equipment cabinets had a new design. The equipment was now easily accessible utilizing pull-out cabinets.
Medic 46 providers not only provide emergency treatment to those that need immediate pre-hospital care. The ALS crews assist the Outreach Coordinator with special events. These events include anything from parade details, bike team events, public education stand-bys, sporting events, to recruitment and retention events.

Medic 46 has the diversity to provide atypical services during special events. For example, the bike team consists of several paramedics and registered nurses that provide ALS care to patients that are found at special events with the potential of large crowds. The bike team was started out of concern for patients where large crowds delay potential life-saving treatment. Each bicycle is equipped with a complete set of ALS gear including a LifePak 12 with 12-lead EKG and pacing capabilities. The bike team has been utilized during past events such as parades, carnivals, flea markets or festivals, civil war re-enactments, and special events at Codorus State Park.

The staff also participate in stand-bys for EMS week and Fire Prevention week. These events allow the duty crews to not only educate the public to what Medic 46 is all about but to make every attempt to recruit potentially future paramedics or nurses.
In April 1999, Medic 46 took part in a new program called “Every Thirty Minutes” program. This program was brought to Pennsylvania by the Bermudian Springs High School Chapter of SADD. This was the first time this program was presented in Pennsylvania. The “Every Thirty Minutes” program refers to the statistic that every 30 minutes someone dies as a result of a DUI-related accident. This type of event typically takes two to three days of participation along with months of planning.

The activities that are sponsored by the SADD and MADD programs provide a very powerful message to high school students throughout the area. The students’ parents are notified prior to the actual list of events. During school hours, a student is removed from class every thirty minutes by someone dressed as the Grim Reaper. These students then have their faces painted for easy identification and forbidden to talk with any other student. A mock accident scene is also prepared for the entire student body to observe. The parents of the “dead” accident and Grim Reaper students were notified by either local police representatives or by the coroner. After stress-relieving exercises, the students and their parents separately wrote farewell letters to their loved ones. The stressful week typically concludes with an assembly where the participants and their parents reflect on how this program affected them.
The ALS providers not only educate the public, but educate each other and local BLS and fire department personnel. Regularly scheduled educational sessions are set up throughout the year.

All ALS personnel are required to perform annual competencies and skills labs. Hanover Hospital requires all ALS personnel to complete the annual computerized competencies as well as nursing skills labs. ALS skills labs are also held twice a year in which the providers perform such skills as intubations, intraosseous fluid infusions, surgical airways, Continuous Pulmonary Airway Pressure Devices, and efficiency in the use of the pediatric bags.

Local BLS providers as well as fire department personnel attend bimonthly continuing educations sessions that are sponsored by Medic 46. The ALS staff members often lecture at these classes. On occasion, special guests are invited to the session to lecture on unusual topics. Such topics include traveling trauma rounds, less lethal weapons, tactical EMS response, and terrorism response.

Disaster drills are another way local emergency response crews prepare for large scale incidents. The emergency services participate in large scale disaster drills which are later critiqued by their peers.
Steve Woods, EMT-P  
ALS Coordinator 1986-1988

Mr. Woods was the first ALS coordinator at the time the MCCU became Medic 46.

William (Topper) Cramer, EMT-P, RN, BS, CCRN, CFRN, CMTE, CLNC  
ALS Coordinator 1987-1993

Topper graduated from Walkersville High School in Walkersville, MD. He then attended and graduated from nursing school with an A.A. Degree in 1983. He then graduated from UMBC with a B.S. in EMS Administration in 1988. Topper came to Hanover Hospital in November 1985. He became ALS Coordinator in October 1987.

“I congratulate Medic 46 and Hanover Hospital on a momentous anniversary. I am very proud to have worked in such a fine organization as Hanover Hospital and to have worked with the best Nurses, Physicians, Paramedics, and EMTs that I have encountered. You were all such a special group of people that I have never had the good fortune to experience since. I owe a large debt of gratitude to all of those who I came in contact with professionally and personally and cherish many of those relationships and friendships still today.”

- Topper Cramer
Mark Miller, EMT-P
ALS Coordinator 1993-2001
Mark initially started as a full time staff paramedic after graduating from the 1986 paramedic class in Hanover. Prior to becoming the ALS Coordinator, Mark was clinical auditor.

Michael (Mike) Smith, PHRN, NREMT-P
ALS Chief 2001-Present
Paramedic 46-06
Mike was hired in 1986. He is currently employed as a full time Pre-Hospital Registered Nurse. He graduated from South Western High School. Mike is a graduate of St. Joseph Paramedic Institute in Lancaster, PA. He later attended Frederick Community College where he obtained an Associate Degree in Nursing.
Kevin A. Alvarnaz, EMT-P
Paramedic 46-12
Kevin was hired in 1996. He is currently employed as a PRN paramedic. He graduated from Bridgewater-Raynham Regional High School in Bridgewater, MA. Following high school, Kevin attended Messiah College in Grantham, PA where he obtained a BS in Biology. He later obtained an MBA from York College of Pennsylvania in York, PA.

Scott Buchholz, NREMT-P
Paramedic 46-23
Scott was hired in 2000. He is currently employed as a PRN Paramedic. Scott graduated from New Oxford Senior High School in New Oxford, PA. He also graduated from the Harrisburg Area Community College Paramedic Program in Harrisburg, PA.

Anthony (Tony) Clousher, EMT-P
Paramedic 46-10
Tony was hired in 1986. He is currently employed as a part time paramedic. He graduated from South Western High School in Hanover, PA. Tony graduated from the St. Joseph Paramedic Institute in Lancaster, PA.

Franklin (Frank) Duck, EMT-P
Paramedic 46-08
Frank was hired in October 1986. He is currently employed as a part time paramedic. He graduated from Hanover Senior High School in Hanover, PA. Frank is a graduate of the St. Joseph Paramedic Institute in Lancaster, PA.
William (Bill) Fissel IV, NREMT-P
Paramedic 46-24, BLS Continuing Education
Bill was hired in January 2004. He is currently employed as a full time paramedic. He graduated from South Western High School in Hanover, PA. Bill is a graduate of the Harrisburg Area Community College Paramedic Program in Harrisburg, PA.

Celia M. Fraticelli, NREMT-P
Paramedic 46-11
Celia was hired in 2005. She is currently employed as a PRN paramedic. She graduated from Bethel Park Senior High School in Bethel Park, PA. Celia is a graduate of the Harrisburg Area Community College Paramedic Program in Harrisburg, PA. She is currently enrolled in the HACC RN program.

Jeremy Freshcorn, EMT-P
Paramedic 46-18
Jeremy was hired in 2005. He is currently a PRN paramedic. He graduated from Freedom Area High School in Freedom, PA. Jeremy graduated from the Harrisburg Area Community College Paramedic Program in Lancaster, PA.

Rodney (Rod) Gift, NREMT-P
Paramedic
Rod was hired in 2006. He is currently a PRN paramedic. He graduated from Bermudian Springs High School in York Springs, PA. Rod is a graduate of the Harrisburg Area Community College Paramedic Program in Harrisburg, PA.
Amy Hake, PHRN
Registered Nurse 46-22
Amy was hired in 2005. She is currently employed as a PRN Pre-Hospital Registered Nurse. She is a graduate of Dallastown Area High School in Dallas-town, PA. Amy received her BSN from York College in York, PA. She later received her Pre-Hospital RN certification from Harrisburg Area Community College in Harrisburg, PA.

Robert (Bob) Hower, EMT-P
Paramedic 46-28
Bob was hired in 2005. He is currently employed as a part time paramedic. He is a graduate of Gettysburg High School in Gettysburg, PA. Bob attended the St. Joseph Paramedic Program in Lancaster, PA.

Shonda Laughman, EMT-P
Paramedic 46-29
Shonda was hired in 2003. She is currently employed as a full time paramedic. She is a graduate of William Penn Senior High School in York, PA. Shonda attended The Yorktowne Business Institute in York, PA. She is also a graduate of the Harrisburg Area Community College Paramedic Program in Lancaster, PA.

Harry Miller, EMT-P
Paramedic 46-15
Harry was hired in 2005. He is currently employed as a PRN paramedic. He is a graduate of Freedom High School in Bethlehem, PA. Harry graduated from Williamsport Hospital and Medical Center’s Paramedic Program in Williamsport, PA.
Mark Moody, EMT-P  
**Paramedic 46-13**  
Mark was hired in 1998. He is currently employed as a PRN paramedic. He graduated from Red Land High School in Lewisberry, PA. Mark earned a degree in electrical engineering from Penn State University in University Park, PA. He later graduated from the Harrisburg Area Community College Paramedic Program in Harrisburg, PA.

Karen Myers, PHRN, EMT-P  
**Registered Nurse 46-27**  
Karen was hired in 1991. She is currently employed as a PRN Pre-Hospital Registered Nurse. She graduated from Spring Grove High School. Karen attended the St. Joseph Paramedic Institute in Lancaster, PA. She later graduated from Messiah College in Grantham, PA with a BSN.

Margaret (Maggie) Preston, PHRN  
**Registered Nurse 46-25, Clinical Auditor**  
Maggie was hired in June 1986. She is currently employed as a full time registered nurse. She graduated from Cumberland Valley High School in New Kingstown, PA. Maggie earned a BSN from Penn State University at University Park, PA.

Linas J. Saurusaitis, NREMT-P  
**Paramedic 46-17**  
Linas was hired in June 1999. He is currently employed as a PRN paramedic. He is a graduate of Landsdowne Senior High School in Baltimore County, MD. Linas attended Essex Community College where he obtained a Cardiac Rescue Technician in 1989 and later attended the paramedic program.
Terry Smith, EMT-P
Paramedic 46-09
Terry was hired in 1988. He is currently employed as a PRN Paramedic. He is a graduate of Delone Catholic High School in McSherrystown, PA. Following high school, Terry graduated from the St. Joseph’s Paramedic Institute in Lancaster, PA.

Charles (Chuck) Spangler, EMT-P
Paramedic 46-21, Staff Educator
Chuck was hired in 2005. He is currently employed as a full time paramedic. He is a graduate of Hickory High School in Hermitage, PA. Chuck attended Community College of Alleghany County in Pittsburgh, PA.

Jeffrey (Jeff) Spielman, EMT-P
Paramedic 46-07, Lieutenant
Jeff was hired in 1986. He is currently employed as a part time paramedic. He is a graduate of York County Vocational Technical School. Jeff graduated from the St. Joseph Paramedic Institute in Lancaster, PA.

Paul Tetreault, PHRN
Registered Nurse 46-26
Paul was hired in 2005. He is currently employed as a PRN Pre-Hospital Registered Nurse. He is a graduate of Northeastern High School in Manchester, PA. Paul also graduated from the Harrisburg Area Community College with an ASN and later received his Pre-Hospital RN certificate from HACC.
Michael (Mike) Wastler, EMT-P
Paramedic 46-20
Mike was hired in 2000. He is currently employed as a part time paramedic. He graduated from Littlestown High School in Littlestown, PA. Mike is a graduate of the Harrisburg Area Community College Paramedic Program in Harrisburg, PA.

Bryan Wheeler, EMT-P
Paramedic 46-05, ALS Captain
Bryan was hired in 1996. He is currently employed as a full time paramedic. He graduated from South Western High School in Hanover, PA. Bryan also graduated from the St. Joseph’s Paramedic Institute in Lancaster, PA.

Bruce Yealy, NREMT-P
Paramedic 46-16, Outreach Coordinator
Bruce was hired in 1989. He is currently employed as a full time paramedic. He graduated from New Oxford High School in New Oxford PA. Bruce graduated from the St. Joseph’s Paramedic Institute in Lancaster.
Dr. Tauscher  
#5040

Dr. Smith  
#7356

Dr. Cook  
#1038

Dr. Woo  
#3637
Dr. Marley graduated from Hempfield High School in Landisville, PA. He obtained his BS from University of Tulsa in Tulsa, OK. He later obtained his DO from OSUCOM in Tulsa, OK. Dr. Marley completed his internship at Grandview Hospital in Dayton, OH and his Emergency Medicine Residency at York Hospital in York, PA. Dr. Marley received his Masters in Healthcare Administration from UMUC. He was regional medical director for the Emergency Health Services Federation, PA BTLS Co-State Medical Director and State Medical Director. Dr. Marley was Medical Director for Hanover Hospital Medic 46 from 1993-2004. Dr. Marley is currently the Medical Director of Emergency Services at Hanover Hospital since 2002.
Dr. Denney graduated from Pemberton Township High School in New Jersey in 1976. He attended Alderson Broaddus College in West Virginia from 1976-1980. He then attended West Virginia University from 1980-1981. Dr. Denney then graduated from West Virginia School of Osteopathic Medicine in 1985. His internship was completed at Logan General Hospital in West Virginia from 1985-1986. He completed his residency in emergency medicine at Memorial Hospital of York, in York, PA from 1986-1988. Dr. Denney later started at Hanover Hospital as a staff physician and medical director of Medic 46 from 1988-1992. He then returned to Memorial Hospital of York where he was the Emergency Medicine Program Director. In 2003, he returned to Hanover Hospital where he is currently a staff physician, Associate Medical Director of the Emergency Department, and Medical Director of Medic 46. Dr. Denney is also currently serving as an EHSF MAC committee member and Med Executive member of Hanover Hospital.
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