



Stewardship Report: Mobile Intensive Care Unit

Prepared for
[Donor Name]

The Impact of Your Giving

Your gift to help grow Raritan Bay Medical Center's Mobile Intensive Care Unit enabled us to add an additional ambulance to our fleet in 2011. But your impact did not end there. Indeed, since then, your gift has also helped us to enhance our emergency transport services, including increasing our response team, installing specialized equipment, and reducing overall transport times. Thanks to you, as the emergency care needs of our communities have grown over the years, so has our ability to support them. Read on to discover just how much your gift has made an impact at Raritan Bay Medical Center.



When Every Second Counts

Timing is everything to the Mobile Intensive Care Unit at Raritan Bay Medical Center. The team of paramedics and Mobile Intensive Care Nurses (MICNs) strives to achieve transport of critical care patients to the hospital or other medical care facility by the "Golden Hour," or within one hour of the call for help. The sooner a patient is stabilized and brought to the emergency room or trauma center, the

higher likelihood of survival. The concept of the Golden Hour drives the team to move fast with every situation, and it shows – currently the average call from dispatch to the hospital is only 37 minutes. Responding with speed and accuracy helps ensure better outcomes for the patient, and it also reduces the stress and anxiety of the emergency situation for both the patient and family.

In fact, one area where time really is of the essence is for cardiac arrest patients. The American College of Cardiology and American Heart Association recommend a minimum of 90 minutes for "door-to-balloon" time – the timeframe between a patient's arrival and treatment via angioplasty, in which a physician inserts a slender balloon-tipped tube to widen the blocked artery and restore blood flow. The longer it takes to treat a heart attack patient, the more damage caused to the heart muscle. Over the last two years, Raritan Bay Medical

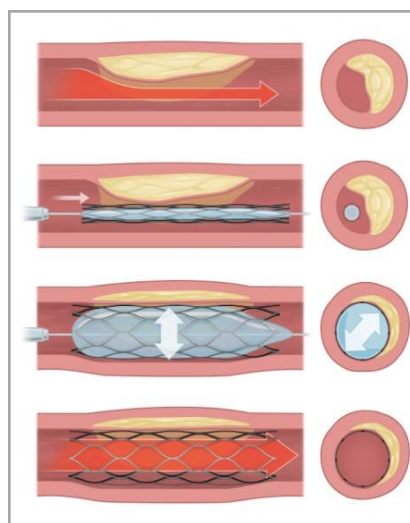


Illustration showing insertion of balloon-tipped tube into blocked artery

Source: Medical News Today

Historic Door-to-Balloon Time		
	MICU	RBMC without MICU
2014	53 min.	83 min.
2015	43 min.	68 min.
First Half 2016	45 min.	68 min.

Center has worked hard to improve our door-to-balloon time; we currently measure ahead of the recommended minimum at 68 minutes. Moreover, thanks to our expert Mobile Intensive Care Unit, cases they are directly involved with currently have a median door-to-balloon time of 45 minutes!



This in itself is an incredible accomplishment worth celebrating, but perhaps even more meaningful are the stories of the lives our Mobile Intensive Care Unit team has saved.

Giving a Father a Second Chance

Scott Powers, Director of the Mobile Intensive Care Unit, shared a story about one of the team’s most recent emergency calls:

A middle-aged gentleman, also a father of two young children, suddenly went into cardiac arrest. The Mobile Intensive Care Unit team responded to the initial 911 call. When the paramedics arrived, the situation looked very grim – the patient was “dead in the field” and had no pulse. After initiating CPR, the team was able to regain a pulse and rush the man to the cardiac catheterization lab at Raritan Bay Medical Center in Perth Amboy. There, physicians quickly inserted a balloon catheter and worked to assess and stabilize his condition. The Mobile Intensive Care Unit then stepped in again to provide Specialty Care transport to Jersey Shore University Medical Center where the patient was immediately taken in for open heart surgery. Thanks to the rapid response of our expertly trained team and our fully-equipped Specialty Care ambulances, he made a full recovery and will live many more years to see his children grow.

This is the impact of your gift. Your generosity has the potential to save a life with every single call.



Our Ambulance Fleet

Thanks to your generosity, the Mobile Intensive Care Unit has six active ambulances in the fleet at Raritan Bay Medical Center. Referred to by the team as “trucks,” the vehicles can provide both Advanced Life Support and Specialty Care. Advanced Life Support includes a thorough exam, administration of medication, and communication with the destination site physician for additional orders. Specialty Care is provided for patients needing a higher level of care, such as



heart attack or stroke victims. With Specialty Care, a nurse who is cross-trained as a paramedic (i.e. a Mobile Intensive Care Nurse (MICN)) will triage and stabilize the patient during transport. The majority of cases come from 911 dispatchers and require an immediate response. Specialty Care transport requests may arise out of both 911 calls or directly from medical facilities that have stabilized patients so they can then be moved to a site offering higher level care. While many towns have a dedicated ambulance that offers Basic Life Support, our Advanced Life Support and Specialty Care ambulances are able to address more advanced medical emergencies as well as cover multiple towns.

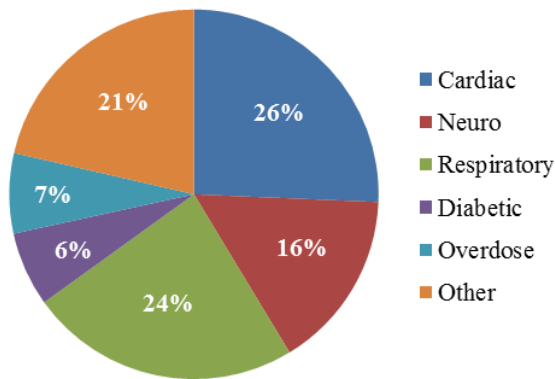
Mobile Intensive Care Unit Volume		
	Dispatches	# Patients Treated
2014	6,658	2,650
2015	7,137	2,579
First Half 2016	3,454	1,229



The six ambulances primarily serve Middlesex County, including Perth Amboy, South Amboy, Sayreville, Old Bridge, Lawrence Harbor, and Woodbridge, as well as some areas of Monmouth County. Depending on the originating location, trucks may transport patients to Raritan Bay Medical Center or any of the other Hackensack Meridian facilities for further care. Trauma patients are taken either to Jersey Shore University Medical Center in Neptune, Robert Wood Johnson University Hospital in New Brunswick, or, if there is a concern about delay, the medivac will be called. Specialty Care transports sometimes require longer distances as well as transport out-of-state, including to New York and Pennsylvania.

Each ambulance has an average lifespan of 5-7 years, depending on how much it is used. Vehicles that are routinely involved in

2015 Most Common Emergency Calls



long transports for Specialty Care will have a shorter use life than those serving primarily local areas.

Our Team

Currently, Raritan Bay Medical Center's Mobile Intensive Care Unit team consists of 50 staff, all of whom are either paramedics or Mobile Intensive Care Nurses (MICNs), who respond to the community year-round, 24/7. On-call shifts are 12 hours long, and team members are prepared to respond to any emergency that 911 dispatchers feel is necessary – from heart attacks

to strokes to pregnancies to motor vehicle accidents. The majority of calls involve cardiac or respiratory complaints, both of which require immediate response.

From a grateful family member...

My wife became became ill and I called 911 for assistance...Because of the confusion at the time, I neglected to get the names of all those who responded. I later learned that Michelle Norek and Frank Toia were the paramedics. So to them and to those who shall remain unnamed – you're the greatest. Thanks for your caring and professionalism.

Unfortunately, I had to make another call for assistance... [and again]...Raritan Bay Medical Center Mobile Intensive Care Unit (MICU) paramedics Michelle Norek and Frank Toia were on the scene.

Without being redundant, I can only say thanks once or twice, but I can feel it hundreds of times, nay, a thousand times over.

God bless you all.

Resident, Parlin section of Sayreville

Mobile Intensive Care Unit team member, Frank Toia, has seen a lot during his 36 years as a paramedic, including the last 15 years with Raritan Bay Medical Center. Frank is immensely proud to serve his community and finds life as a paramedic to be very rewarding.



Frank Toia, left, with his family

“I feel like I can make a difference by helping [patients]. The care is really advanced now. It’s always evolving. Even over the last few years, the field has changed so much. Our outcomes are better, and we are working hand-in-hand with physicians. [Our efforts in] streamlining care in both cardiac and stroke has saved time—and lives. It is so much more than just transporting a patient to the hospital. We can make a difference in the outcome, and that feels great.”

- Frank Toia, paramedic with the Mobile Intensive Care Unit at Raritan Bay Medical Center

Frank and his colleagues are dedicated to providing the best care with every situation they face. Having the right tools to do so is critical to their success, and because of you, they are equipped to handle a variety of sudden, complex medical situations with speed and accuracy.

Our Gratitude

With your support, the Mobile Intensive Care Unit at Raritan Bay Medical Center continues to serve thousands of patients and families all over Middlesex and Monmouth Counties. Your generosity has helped our team to outperform national benchmarks and achieve an outstanding reputation amongst our peers. With every call that our Mobile Intensive Care Unit answers, we have the potential to make a difference in a patient’s health care experience – including the ability to save a life.

Your generosity has created a real, measurable impact in the communities we serve.

THANK YOU!



For the last two years in a row, the Mobile Intensive Care Unit at Raritan Bay Medical Center has earned recognition with the American Heart Association (AHA). In 2015 the team received the AHA’s 2015 Mission: Lifeline® EMS Silver Level Recognition Award, and this year, they were awarded Mission: Lifeline® EMS Gold Level. The awards acknowledge EMS teams who transport cardiac patients to referring hospitals for care as quickly as possible.

