

LVHN WEEKLY VOUR WRAP-UP OF THE WEEK'S NEWS FROM LVHN



Updated "Return to Work" Policies for Colleagues Recovering From COVID-19

New guidelines, based on CDC guidance, get colleagues back to work sooner.

Read more \rightarrow

Visitation Policy Adjustments Aimed At Keeping Pace With COVID-19 Surge

One visitor at a time at the patient bedside is the newest guidance.

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Expanded COVID-19 Booster and Third Shot Guidance

Learn the latest eligibility recommendations and where and when the vaccine is available.

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Changes to LVHN ExpressCARE Walk-in Hours

Instead of going to our ExpressCARE locations, consider one of our virtual options.

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Attend an Actions Against Racism and Advancing Equity Council Discussion

The discussion takes place virtually on Jan. 17. Learn how to register.

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Enjoy Free Boxed Lunches

Learn where you can get your boxed lunch.

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Why Was Your Holiday Gift Taxed? The IRS Requires It

Learn why gifts at work are taxed and how your latest gift appears in your paycheck.

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Service Anniversary List – January 2022

Happy anniversary to these colleagues celebrating a career milestone at LVHN.













Perkasie Newlywed Survives 'Widow-Maker' Heart Attack

After collapsing at home, Bucks County welder survived due to leading-edge medical care.

Read more \rightarrow

Read more \rightarrow

Welcome New Colleagues Who Attended **Connections Dec. 27**

We have 185 new colleagues in the LVHN family.

Read more \rightarrow

Welcome Laura Kohler, MHA, BSN, RN She joins LVHN as Administrator of Integrated Care Coordination.

Read more \rightarrow

Watch LVHN Center for Healthcare Education Virtual Topping Off Ceremony View the virtual event on Tuesday, Jan. 11, at 11

a.m. on LVHN's Facebook page.

Read more \rightarrow

Project ECHO: What is that?!? An Antibiogram

Attend a presentation on Jan. 21 at noon.

Read more \rightarrow

LVHN Announces Plan to Form One Ambulance Company With Existing EMS Services

It will be Lehigh Valley Health Network–Emergency Medical Services (LVHN-EMS).

Read more \rightarrow









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Heart Attacks: Next Generation Testing at LVHN Helps Rule Them In or Out Sooner High-sensitivity troponin is a telltale sign of heart injury.



Read more \rightarrow







Updated "Return to Work" Policies for Colleagues Recovering From COVID-19

New guidelines, based on CDC guidance, get colleagues back to work sooner.

LVHN Insider

Tuesday, January 4, 2022

Due to the significant surge of COVID-19 in our community and the tremendous impact on our staffing, LVHN is updating its "Return to Work After COVID-19 Guidelines" based on new guidance from the Centers for Disease Control and Prevention (CDC). The changes will help colleagues who test positive for COVID-19 return to work sooner if their symptoms have improved and they obtain a negative test result. Our goal is to manage earlier return to work in the safest manner possible for our colleagues and patients. The following guidelines are effective Jan. 3, 2022.

Guidelines for symptomatic and asymptomatic colleagues who test positive for COVID-19

The following guidelines apply to colleagues (boosted, vaccinated, and unvaccinated) working in either:

- A patient-facing role OR
- A role that requires on-site presence*

Colleagues must meet all of the following criteria to return to work earlier than 10 days:

- No fever greater than 100.4 degrees F for at least 24 hours without the use of fever-reducing (antipyretic) medication
- Improvement in all symptoms (if any)
- At least five days have passed since symptoms first appeared
- Obtain a negative COVID-19 PCR or antigen test result on day five of illness or later
 - 1. Employee health services will place the order for COVID-19 testing in Epic. You must notify employee health services of your positive test in order

to determine the appropriate dates of follow-up testing and to receive the forms needed to return to work.

- 2. Colleagues who need testing for return to work will be directed to one of these testing locations beginning Tuesday, Jan. 4, 2022 (NOTE: These sites are not available for travel testing or for testing of family members):
 - Coordinated Health, 1503 N. Cedar Crest Blvd., Allentown, Monday-Friday, 8 a.m.-4:30 p.m.
 - Coordinated Health, 2300 Highland Ave., building A, Bethlehem, Monday-Friday, 8 a.m.-5 p.m., Saturday and Sunday, 8 a.m.-5 p.m.
 - Coordinated Health, 26 Station Circle, Hazle Township, Monday-Friday, 8 a.m.-4:30 p.m.
 - Schuylkill Medical Plaza, 200 Schuylkill Medical Plaza, Pottsville, Monday-Friday, 8 a.m.-4:30 p.m., Saturday and Sunday, 8 a.m.-noon
 - Coordinated Health, 511 VNA Blvd., East Stroudsburg, Monday-Friday, 8 a.m.-4:30 p.m.
- 3. Results of tests performed by HNL Lab Medicine will be available in MyLVHN. HNL will try to expedite results as quickly as possible. However, due to unprecedented testing volumes, HNL cannot guarantee 24-hour turnaround times.
- 4. Colleagues may also use the results from a rapid antigen test performed at home. Proof of a negative home test, such as a photo of the test result, will be provided to employee health services when the colleague submits their "Return to Work Post-COVID Attestation Form" (see instructions below).
- 5. If the colleague has a positive test on day five, the colleague must retest on day seven before he or she will be cleared to return to work. Employee health services will place the order for this test in Epic.
- 6. If the colleague has a positive test on day seven, but is either asymptomatic or has resolving symptoms, the colleague will not need further testing and can be cleared to return to work on day 10.

*Colleagues who can work remotely should follow prior guidelines and only return to onsite work after isolation for 10 days if fever has resolved and other symptoms have improved. This will minimize unnecessary testing at a time when our labs are facing tremendous volumes.

Instructions for early return to work:

- Colleagues no longer need to be seen in employee health services for return to work.
- Complete the required "Return to Work Post-COVID Attestation Form" provided to you by employee health services.
- On the day of your planned return to work, email the attestation to your local employee health services office using the email address for your location below:

- 1. Employee_Health_Pocono@lvhn.org
- 2. <u>Employee_Health_CedarCrest@lvhn.org</u>
- 3. Employee_Health_Hazleton@lvhn.org
- 4. Employee_Health_Schuylkill@lvhn.org
- 5. Employee_Health_Muhlenberg@lvhn.org
- If you used a home test, you will be required to show proof of the negative test and attest to the results. A photograph of the test result is acceptable and can be included in your email to employee health services.
- Colleagues cleared to return to work earlier than 10 days after onset of symptoms are required to do the following:
 - 1. Wear a surgical mask at work until all symptoms have resolved and at least 10 days have passed since the start of illness. After symptoms have resolved, wear the proper face mask for your role as per LVHN's PPE guidelines.
 - 2. Maintain social distancing when eating or drinking or do so alone.
 - Complete the Conversa COVID-19 screening before each work shift by visiting <u>https://clinic.conversahealth.com/conversation/MjlwLTM30TI</u> or texting "lehigh" to 83973.
 - 4. Self-monitor for the development of symptoms or worsening of symptoms and report these to employee health services.
- Immunocompromised colleagues and those with severe disease (for example, requiring hospitalization) or persistent/protracted symptoms will not be able to return to work earlier than 10 days. Isolation will continue for at least 10 days. Employee health services will assist with determining the duration of isolation and clearing these colleagues for return.

Guidelines for colleagues with COVID-like symptoms who have a negative COVID-19 test_

These colleagues may return to work when they meet all of the following criteria:

- No fever greater than 100.4 degrees F for at least 24 hours without the use of fever-reducing (antipyretic) medication
- Negative COVID-19 test
- Improvement in symptoms

Instructions to return to work for those with symptoms caused by other viral illnesses:

- Call employee health services and leave a voicemail stating your full name, SUI, date of negative test result and date you are returning to work. You may return to work without receiving a call back from employee health services.
 - 1. LVH-Cedar Crest: 610-402-8869, option 2
 - 2. LVH-Muhlenberg: 484-884-7318, option 2
 - 3. LVH-Hazleton: 570-501-4788
 - 4. LVH-Schuylkill: 570-621-4351

- 5. LVH-Pocono: 570-476-3779
- Follow LVHN's PPE guidelines when you return to work.
- If your symptoms do not improve or worsen, follow up with your primary care provider for evaluation and treatment. If you are out of work for more than three days, clearance is required by your treating provider and you must be cleared to return to work by employee health services.

If you develop symptoms consistent with COVID-19 while at work, notify your manager and leave work. Make arrangements to be tested. Do not report to employee health services.



Visitation Policy Adjustments Aimed At Keeping Pace With COVID-19 Surge

One visitor at a time at the patient bedside is the newest guidance.

LVHN Insider

Thursday, January 6, 2022

Lehigh Valley Health Network is taking additional steps to keep patients and colleagues safe as the COVID-19 pandemic and its now dominant omicron variant continue to increase hospitalizations.

Visitation rules now stipulate only one person is allowed at the patient bedside at a time, though patients may designate up to two visitors for their entire hospital stay. Visitation hours remain

9 a.m.-1 p.m. and 4-8 p.m.

Visitors who have a possible COVID infection, or who have tested positive for COVID, should not come into an LVHN facility unless they are seeking care for a severe illness or life-threatening condition. In addition, those recently exposed to COVID-19 (within the past 5 days) also should avoid visitation.

As a reminder, one visitor is also the limit for an adult emergency room patient, and that visitor must follow the same guidelines for masking and eating as the inpatient visitation

rules. Masks should be worn at all times, and eating and drinking should be limited to café areas.



The latest visitation guidelines can always be found at <u>LVHN.org/visitation</u>.

Expanded COVID-19 Booster and Third Shot Guidance

Learn the latest eligibility recommendations and where and when the vaccine is available.

LVHN Insider

Thursday, January 6, 2022

The Food and Drug Administration (FDA) has issued Emergency Use Authorization for several new booster initiatives and a third shot for younger people, which have been supported by the Centers for Disease Control and Prevention (CDC).

Booster shots now available for children age 12-15: Children who received the Pfizer-BioNTech booster shot at least five months ago are now eligible for their booster by appointment only at all Lehigh Valley Health Network (LVHN) COVID-19 vaccine clinic locations.

Third shot available for children age 5-11 who are immunocompromised: A third shot of the Pfizer-BioNTech vaccine also is available to children between the ages of 5 and 11 who are immunocompromised.

Shorter interval for Pfizer-BioNTech booster: Those who completed the two-dose series of Pfizer-BioNTech vaccine are now eligible for a booster shot five months after their second shot, rather than six months. This change does not apply to people who received the Moderna mRNA vaccine or Johnson & Johnson (J&J) vaccine. Moderna boosters are still recommended six months after the completion of the initial vaccine series. Those who received an initial single dose of the J&J vaccine should be boosted with either Moderna or Pfizer two months after their initial shot.

Lehigh Valley Health Network (LVHN) began offering the boosters and third shots for these age groups Thursday, Jan. 6.

"Preliminary research has shown that booster shots help strengthen our protection against new variants of COVID-19, like omicron," said <u>J. Nathan Hagstrom, MD</u>, Chief of Pediatrics at Lehigh Valley Reilly Children's Hospital. "Data suggest that levels of protection from the initial series can decrease with time. Offering the Pfizer booster shot at five months instead of six months after the initial series provides significant reduction in risk of acute illness and other complications of COVID-19."

While teenagers and children are less likely to be severely affected by COVID-19 than individuals in older age groups, they can still become infected, experience symptoms from the disease and need to be hospitalized. "Last week, the highest number of children from our network tested positive for COVID-19: more than 1,300 children. This is more than twice what we saw the first week of December," said Hagstrom. "And at Lehigh Valley Reilly Children's Hospital, hospitalizations for children with COVID also have doubled since November. Vaccinations, booster shots and third shots for those who are eligible are the best ways kids can be protected from severe COVID infection."

Possible side effects of booster shots

The most common side effects of the booster vaccine are mild and resolve within a few days. They include:

- Pain, redness and swelling at the injection site
- Fatigue
- Headache
- Muscle or joint pain
- Chills
- Swollen lymph nodes in the underarm

While there have been cases of myocarditis (inflammation of the heart muscle) and pericarditis (swelling of the outer lining of the heart) in this age group (mainly in boys) after vaccination, these are rare side effects. With prompt medical treatment and rest, these cases typically resolve quickly.

The FDA took these cases into account when considering EUA for this age group and determined that the benefits of the booster significantly outweigh the risk.

"The risk for myocarditis and pericarditis is much higher if these children develop COVID-19," Hagstrom said. "In addition, they are at risk of developing other medical complications from COVID-19, including life-threatening conditions like MIS-C and some of the chronic symptoms of long COVID."

How to schedule

There are two easy ways to schedule an appointment for your booster:

- Go to MyLVHN, the health network's patient portal: <u>Sign In Sign Up</u>
 - You may need to request proxy access to your child's MyLVHN account to schedule your child's appointment. To do so, please contact your child's provider. If your child does not have an LVHN provider, please call 888-402-LVHN (5846).
- Call our COVID-19 Vaccine Hotline at 833-584-6283 (833-LVHN-CVD). We're open Monday-Friday, 8:30 a.m.-5:30 p.m.

For more vaccination information, visit <u>LVHN.org/vaccines</u>.

Changes to LVHN ExpressCARE Walk-in Hours

Due to high patient volumes at all ExpressCARE locations, walk-in hours for each location may change



Over the last few weeks, the number of patients coming to Lehigh Valley Health Network (LVHN) <u>ExpressCARE</u> locations has increased significantly, with some locations having average wait times of multiple hours.

Because of this, all ExpressCARE locations may need to adjust their operating hours and close to walk-ins earlier than normal. This will allow us to spend the time needed with each patient and provide thorough evaluation and treatment to those in our care.

Alternatives for care

Instead of going to our ExpressCARE locations, individuals should consider one of our virtual options, which include LVHN <u>ExpressCARE Video Visits</u>, <u>E-visits</u> or our 24/7

nurse line (888-402-LVHN). They offer the same level of care and evaluation from the comfort of your home, and can be scheduled for the following conditions:

- COVID-19 symptoms
- Cough, cold or flu
- Ear pain
- Muscle or bone pain
- Nausea, vomiting or diarrhea
- Pinkeye
- Seasonal allergies
- Sore throat
- Urinary problems
- Animal bites
- Cold sores
- Insect bites
- Rashes
- Lower back pain
- Neck pain
- Minor sprains

COVID-19 testing

Whether you're symptomatic or asymptomatic, you need to have a script in order to get a COVID-19 test. The easiest and fastest way to get a script is by staying home and scheduling a virtual visit. Virtual options to obtain a script include:

- Nurse line: Call 888-402-LVHN (5846) and select option 4.
- LVHN ExpressCARE Video Visit: Visit MyLVHN.org or open your MyLVHN app. Click on the menu, then select "Schedule ExpressCARE Video Visit."
- <u>E-Visit</u> (a detailed questionnaire visit submitted to a provider): Visit <u>MyLVHN.org</u> or open your <u>MyLVHN</u> app. Click on the menu, then select "E-Visits."
- Contact your primary care provider (PCP): Call your PCP's office, visit MyLVHN.org or open your MyLVHN app. If you use MyLVHN.org or the MyLVHN app, click on "Messages", then select "Send a message" and follow the prompts.

Once you have obtained a script, there are different testing locations depending on your symptoms:

- Patients with symptoms
- Patients without symptoms



Attend an Actions Against Racism and Advancing Equity Council Discussion

The discussion takes place virtually on Jan. 17. Learn how to register.

LVHN Insider

Wednesday, January 5, 2022

LVHN's Actions Against Racism and Advancing Equity (AARAE) Council invites you to attend a discussion to share your experiences regarding inclusion and equity in observance of Martin Luther King Jr. Day on Jan. 17, 2022.

The AARAE Council will host "Colleague Voice Conversations" throughout the year for colleagues to share individual experiences and thoughts on diversity and inclusion at LVHN. For the discussion on Jan. 17, participants will be answering the question, "What is your dream for racial equity at LVHN?" in memory of King's historic "I Have a Dream" speech.

These one-hour discussions will be hosted virtually via Webex and are open to all colleagues.

Colleagues can register using this link: https://lvhnoe.wufoo.com/forms/x1l6xgzo1em60lz/

NOTE: Each discussion will be limited to the first 25 participants.

If you have questions, please contact <u>DEIAdmin@lvhn.org</u> with "MLK Day Session" in the subject line.



Enjoy Free Boxed Lunches

Learn where you can get your boxed lunch.

LVHN Insider

Monday, January 3, 2022

We hope you enjoyed the free meal LVHN provided to colleagues on Dec. 30. In a continued effort to bring more joy to the workplace, LVHN will provide free boxed lunches to colleagues Jan. 4 through Jan. 12.

Free boxed lunches will be available to all colleagues in the following locations:

- LVH-Cedar Crest
- LVH-17th Street
- LVH-Muhlenberg
- LVH-Hazleton
- LVH-Schuylkill
- LVH-Pocono
- LVHN-Tilghman
- LVH-Hecktown Oaks
- Coordinated Health Allentown
- Coordinated Health Bethlehem
- LVHN–Mack Boulevard

Colleagues may pick up their free boxed lunch in the cafeteria of the above locations beginning at 11 a.m. whiles supplies last. Managers may request department delivery in advance by calling 610-969-2850 for hospital locations with volunteers.

Colleagues who work evening or night-shift hours should visits their local cafeteria for details about getting a boxed lunch.

Your hard work is appreciated and valued, and these free meals are LVHN's way of saying, "Thank you for all you do!"



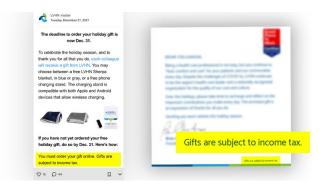
Why Was Your Holiday Gift Taxed? The IRS Requires It

Learn why gifts at work are taxed and how your latest gift appears in your paycheck.

LVHN Insider

Wednesday, January 5, 2022

In December, all colleagues had the opportunity to order a gift from LVHN; either a blanket or cellphone charger. Unfortunately, IRS rules require organizations to tax gifts to employees. The decision to tax the gift was not made by LVHN leadership. Rather, it is something we are required to do. We made sure to tell colleagues about the tax on LVHN Insider when the gift was offered and on the insert that came with your gift (see below).



How the gift appears on your paycheck

- The value of the gift (not how much you pay in taxes) appears on your paycheck under "wages." The value of the gift is factored into your overall compensation for tax purposes.
- The explanation under wages states "non-cash fringe benefit."
- The amount of tax paid differs for each colleague based on your individual tax situation. The more you earn, the higher your tax.

This chart shows how much a colleague who earns \$1,600 would pay in taxes normally (column A), and how much more the colleague would pay in taxes with the value of the blanket (column B) or cellphone charger (column C) added into their taxable income. Remember, tax rates vary depending on each colleague's tax situation and state of residence.

		А	В	С
	Tax rate	Regular pay	Pay with value of blanket	Pay with value of cellphone charger
Regular pay		1,600	1,600	1,600
Non-cash fringe benefit			23.50	17.40
Total taxable income		1,600	1,623.50	1,617.40
Federal tax	15.00%	240.00	243.52	242.61
Social Security tax	6.20%	99.20	100.66	100.28
Medicare tax	1.45%	23.20	23.54	23.45
PA state withholding tax	3.07%	49.12	49.84	49.65
PA local withholding tax	1%	16.00	16.23	16.17
PA unemployment tax	.06%	.96	.97	.97
Total tax		428.48	434.76	433.13

Facts and updates about shipping

- Colleagues were not charged for shipping.
- **Didn't get your gift yet?** The blue fleece blankets are on back order due to their popularity among colleagues. Some of them have not yet been shipped. Thanks for your patience.
- Have questions about your order? Email the vendor at <u>allentown@thinkcgc.com</u>

We understand the IRS's rules are confusing, but be assured that we are only taxing gifts to comply with the tax laws. We hope this clears up any questions you may have. Above all, we hope you enjoy your gift!



Service Anniversary List – January 2022

Happy anniversary to these colleagues celebrating a career milestone at LVHN.

LVHN Insider

Wednesday, January 5, 2022

Happy anniversary to these colleagues celebrating a career milestone at LVHN in January 2022. Congratulate them on their years of service.

45 Years

Arnette Hams, Registered Nurse

Marie Snyder, EMR Doc Mgmt Specialist

Joseph Stank, Pharmacy Tech

40 Years

Donna Christman, Admin Partner

Robert Heimbach, Sterile Processing Technician Kelliann Herman, Sr. Student Affairs Specialist Emma Jean Saxon, Pharmacy Tech 35 Years Connie Bittner, Scheduling Coord Deborah Brown, Registered Nurse Kenton Clay, Reg Respiratory Therp Sandra Cusatis, Clerk Typist Patricia Horvath, Registered Nurse Diane Kocsis, Clinical Informaticist Janet Mccann, IP Coding Analyst I Hosp Based James Sharp, Maintenance Worker 30 Years Kelly Altemose, Transfer Center Coord Kimberly Badillo, Mgr Svc Excellence Brenda Capone, Phlebotomist Linda Cornman, Reg Respiratory Therp Thomas Gazzana, Medical Assistant Phys Prac Mary Jo Halye, Inpatient LPN Tracy Hayes, Clin Quality Analyst Denise Henninger, RN Phys Prac Lori Karol, Registered Nurse

Janice Santee, Dir Behav Hlth Rev Cycle Mgmt Stephen Tutko, Housekeeping Aide 25 Years Susan Baldwin, Supv Registration Noel Brouse, Physician Wanda Caraballo, Radiology Support Tech Jeanann D'Alessio, RN Oncology Phys Prac Laurie Fox, Secretary Douglas Hamlin, Pharmacy Tech-Cert Margaret Hoffman-Terry, Physician Carolyn Lenik, Coord Clinical Documentation Prog Amy Parsons, Practice Manager Kenneth Reichenbach, CRNP General Suzanne Sofish, RN Phys Prac Emily Zayas, Insurance Follow-up Rep 20 Years Carmel Castagna, Certified Registered Nurse Anesthetist Joan Cernobyl, Admin Partner Melinda Craigle, Insurance Follow-up Rep Ann Cress, Housekeeper Kerri-Ann Foley, Ultrasonographer Lisa Gaydoscik, HIM EMR Data Content Analyst

Deborah Hager, Technical Partner Joanne Jones, Diabetes Edu Spec Heather Koch, RN PDM I Evng/Night Jean Livengood, LPN Phys Prac Donna Lynn, Mgr Netw Supply Mgmt Wanda Maldonado, Guest Services Representative Kelly Metzgar, Home HIth Centl Int RN Robert Misevicius, Messenger Joseph Schell, Certified Registered Nurse Anesthetist Josephine Sloan, HUC Nursing Assistant Cynthia Spence, Office Coord (Phys Prac) Chad Traub, Reg Respiratory Therp 15 Years Diane Bickelman, Employee Health Leave Spl **Cindy Bontempo, Registered Nurse** Melanie Broyan, Dir OP Registration Martha Carbone, Speech/LangPathologist Amanda Clark, Dosimetrist II Donna Clark, Physical Therapist Grace Dimarco, Practice Support Spec Janene Ditzler, Diabetes Edu Spec - Inp Michele Dzomic, Pediatric Procedure Nurse

Michael Ehrig, Practice Leader Zoila Ferreira, Office Coord (Phys Prac) Stephen Finlay, RN WKND Day Sarah Frailey, Registered Nurse Tammy Gallagher, Patient Care Mgr Alba Garcia, Payment Posting Spec Yocelyn Garcia, Patient Services Rep Robert Gehman, Mgr Network and Comm Jyoti Gopal, Physician Kathy Grayek, Scheduling Coord Dana Hacker, Admin Med Staff Svcs Karen Hartzell, Supv Collections Clinton Holumzer, Practice Leader Andrew Johnston, Physical Therapist Amy Keeler, PA General Melissa Latham, MRI Technologist Larry Levin, Physician Laura Long, RN WKND Night Annette Mann, Physician Scott Mayes, Network and Comm Expert Wayne McWilliams, Physician Rosemary Meriano, Patient Care Mgr

Patricia Merwine, Supply Coord Carol Michaels, Administrator Care Coordination Barbara Morici, PA General James Mullan, Mental Health Technician Michele Murdoch, Scheduling Coord Justyne Nolen, Practice Support Spec Nainesh Patel, Physician Amy Pena, PA General Lourdes Petko, Lead Coding Integrity Analyst Amy Pollick, PA General Lois Reidenbach, Cln Research Coord I Tiayra Reidnauer, Patient Care Mgr Dave Romancheck, Subject Matter Expert Jill Rothermel, Registered Nurse Jon Sartori, PA Cardio Thoracic Jolene Scatton, Patient Care Coord Christine Sheckler, Nurse Auditor Brian Silfies, Sr Clin/Rev Apps and Supp Expert Carole Skipper, Patient Services Rep Sarah Smith, Physical Therapist Kimberly Soleymani, PA General Ryan Sutliff, Systems Analyst/Programmer-Spec Pharm

Travis Thrower, Periop Liaison Hugo Twaddle, Physician Robert VanIngen, RN PICC Cammi Weeber, OR Diag Technologist James Wertz, Physician Dominika Wierzbowska, Registered Nurse 10 Years Holly Achey, RN WKND Night Nadeem Ahmad, Physician Samer Alkhuja, Physician Jennifer Allen, Practice Leader Maria Babula, Site Manager Morgan Barker, Technical Partner Jillian Bartholomew, Peri Sonographer III Scott Beman, Physician Marion Bender, Registration Rep Robert Biggs, Practice Leader Kristina Boccuti, RN Phys Prac **Richard Boorse, Physician** Jill Bortz, RN Phys Prac Jon Brndjar, Physician Laura Brzozowski, Insurance Follow-up Rep

Gregory Buchman, Nuc Med Technologist Wendy Burnish, Patient Services Rep Mary Cameron, CardiacUltrasound Tech Joseph Cardarelli, Customer Supp Analyst John Cerimele, Registered Nurse - OR Paul Cesanek, Physician Cecelia Clark, Medical Assistant Phys Prac Tara Delich, RN Home Care Jana Dieterich, PA General Elizabeth Duh, Registered Nurse Patti Ebert, Sr Authorization Spec Mary Finegan, Radiation Therapist II Nancy Fisch, Practice Manager Pamela Foltz, Registered Nurse Denise Ford, RN Per Diem Day Terree Frey, Authorization Specialist Jonathan Goldner, Physician Thomas Harrison, Assistant/Associate Med Dir Lillian Hendry, RN PDM I Day Amanda Hengstenberger, Technical Partner Kristina Houck, Registered Nurse Debra Hunkele, Transition of Care Associate

Paul Jani, Sr AV Technician Phyllis Johnson, Med Records Clerk Hari Joshi, Physician Mary Karounos, Clinical Coordinator Phys Prac Cathleen Keegan-Pursell, Diabetes Edu Spec - Inpt William Kesselring, Physician Kelly Knoble, Registered Nurse Elizabeth Kochenash, CRNP General Christine Kooker, Bed Mgt Scheduler Mary Lattig, Insurance Follow-up Rep Maria Leindecker, Reimbursement Analyst Angelene Liggitt, Practice Director John Mannisi, Physician Debra McGlade, Medical Secretary Patricia Mika, Med Records Clerk Cynthia Montafia, CardiacUltrasound Tech Valerie Moore, Patient Services Rep Ruth Odenwelder, Revenue Cycle Specialist Phys Prac Carrie Olson, PA General Shelly Oplinger, RN Phys Prac Yvette Padilla, Provider Based Coding Analyst II Eric Pecuch, Patient Care Mgr

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Karen Stump, Clinical Coordinator LPN Phys Prac Deborah Sundlof, Physician Kaitlyn Sutliff, Clin Sales Rep Whitney Thomas, Provider Based Coding Analyst II Laurie Tullock, Medical Assistant Phys Prac Beth Turoscy, CRNP General Anthony Urbano, Physician Elizabeth Walker, Registered Nurse Margaret Weaver, Provider Based Coding Analyst II Maria Whitfield, Registered Nurse Maria Witkowski, RN Per Diem Day Margaret Wright, Patient Services Rep Vincent Zambri, Customer Supp Analyst Patricia Zubey, Insurance Coord 5 Years Nour Achi, Diag Tech WKND Day Stephanie Albert, Scheduling Coord Januaira Almanzar, Sr Scheduling Coord Isabelis Ameglio, Medical Assistant Phys Prac Jeffrey Amundson, RN WKND Day Scott Appnel, Manager Business Development Latearra Baskerville, Reg Spec

Christine Biege, VP Patient Care Svcs Andrea Bonett, Mgr Registration Dann Braid, Program Dir Endocrinology Alicia Briggs, Registered Nurse Nicholas Brogan, Interv Rad Tech Jeanette Cahill, CRNP General Joe Cibelli, Technical Partner Stephanie Cleary, Radiation Therapist II Jesenia Colon, EKG Technician Trisha Connolly, Scribe Samuel Cornetto, Patient Transporter Melissa Crenko, Technical Partner Sepideh Daymean, RN WKND Day Raquel Dejesus, Reg Spec Tracy Delong, Clinical Manager Anna Domday, PA General Francis Drogowski, CardiacUltrasound Tech Jo Durfey, Cash Reconciliation Spec Kenita Edwards, Technical Partner Ann Erb, Medical Assistant Phys Prac Susan Ettwein, Admin Partner Jed Fegley, Anesthesia Tech

Lisa Ficarro, Mgr Radiology Edward Frick, Physician Joseph Ginda, Suprv PatientTrprtSvcs Laura Goodson, Database Admin Expert Paula Gutsie, Secretary Kathy Gwillim, Sr Clin/Rev Apps and Supp Analyst Christopher Hager, Clin Staff Pharmacist Ashley Hein, Pharmacy IV Tech-Cert Kelly Hertzog, Registration Team Lead Naomi Hiraldo, Medical Assistant Phys Prac Kyle Horton, Preparedness Spec Nicholas Hoster, Exer Physiologist Christina Hough, RN WKND Day Paula Hudanich, Patient Services Rep Sally Hull, Director Clin Svcs Mohammed Jafar, MRI Technologist Cassondra Johns, Medical Assistant Phys Prac Veronica Judd, LPN Albert Jurowicz, Certified Registered Nurse Anesthetist David Kissinger, Reg Respiratory Therp Marissa Klein, Medical Secretary Ann Malantic-Lin, Physician

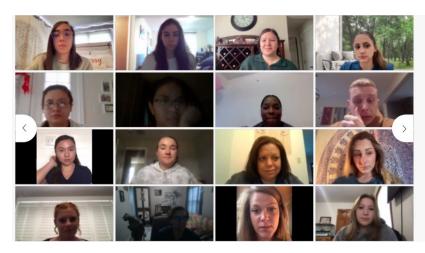
Abraham Maldonado, PFS Customer Service Agent Shelley Martinez, CRNP General Tracey Mathews, EMR Education Liaison Karen Mikovitch, Office Coord (Phys Prac) Eric Miller, Diag Tech WKND Day Stephen Molitoris, VP Reimbursement & Revenue Elizabeth Morales, Patient Services Rep Renasis Morel, Case Management Asst Varvara Napkora, Reg Resp Therp Per Diem Christine Nicolosi, Clinical Coordinator Phys Prac Lynn Oliver, Patient Services Rep Peter Ondrasik, RN Oncology Phys Prac Rupal Patel, Occup Therapist PDM Tami Pellegrino, Social Worker MSW Lauren Popivchak, PA General Shauna Quirk, Radiation Therapist II Mark Rebimbas, Clin/Rev Apps and Supp Expert Franchesca Reyes, Revenue Cycle Educator Maria Reyes, Medical Assistant Phys Prac Anthony Richards, Housekeeper Natasha Rodriguez, 402-CARE Rep Maria Rodriguez, MRI Technologist

Brianna Rodriguez, Medical Assistant Phys Prac Lisa Rodriguez, Financial Coord Oncology II Georgene Rogers, Technical Partner Shirllie Rosario, Trained MedInterpreter Marsha Sadusky, Registered Nurse - OR Heather Samy, Patient Services Rep Pamela Sarjue, Precertification Specialist (Oncology) Amber Scheidler, Bed Mgt Scheduler Jessica Sitko, Mental Health Technician Mark Smith, Sr. Rev Cycle Bus Analyst Nicholas Smull, Cln Team Ld Athletic Training Olivia Spetalas, Registered Nurse Laurie Swanson, RN Phys Prac Martha Teel, Software Training Specialist Lucile Thelusmond, CRNP General Pauline Tran, Healthcare Business Intell Analyst Sr Nicole Tully, Technical Partner Lynn Turner, Chief Human Resources Officer Anne Usuka, Physical Therapist HC Anthony Valasakos, OR Diag Technologist Irma Valles Rivera, Technical Partner lasha Waite, Patient Services Rep

Sherida Walker, Medical Assistant Phys Prac

Chelsea Winkler, Practice Ops Transformation Spec

Angela Zawisza, Physician



Welcome New Colleagues Who Attended Connections Dec. 27

We have 185 new colleagues in the LVHN family.

LVHN Insider Monday, January 3, 2022 Carissa Abel, Physician Recruiter

Katherine Acosta, Reg Spec

Megan Ahrensfield, Phlebotomist

McKenna Amey, PSNE- Professional Student Nurse Extern

Michael Arndt, Critical Care Transport EMT

Breeanna Aseng, Medical Assistant Phys Prac

Carrie Askew, Medical Assistant Phys Prac

Annie Badasarian, Dir Development, Major Gifts

Kyle Baker, Group Health Processing Supv

Morgan Barilla, Patient Transporter PDM

Tiffany Bayer, Director Clin Svcs Tristan Beckford, Health Educator Daniel Besecker, CriticalCareTransportParamedic Malgorzata Bilik, Registered Nurse Richard Boligitz, Courier Donaja Booker, Medical Assistant Phys Prac Brianna Bowman, Technical Partner Victor Brozusky, Development Services & Gift Officer Jonathan Cabot, Patient Services Rep Alexis Cabrera, PSNE- Professional Student Nurse Extern Reena Eza Calizo, RN PDM I Evng/Night Giana Caporale, PSNE- Professional Student Nurse Extern Marianne Chapman, Trained MedInterpreter Zara Chavdarova, PSNE- Professional Student Nurse Extern Charlotte Cherry, PSNE- Professional Student Nurse Extern Sadie Chikotas, Technical Partner Emily Clouse, PSNE- Professional Student Nurse Extern Alex Colon, Nursing Asst II - Acute Care Nicole Costello, PSNE- Professional Student Nurse Extern Johnique Coston, Medical Assistant Phys Prac Angelica Cotto, PSNE- Professional Student Nurse Extern Alexa Cruz, Material Management Tech

Melissa Cuadrado, Human Svc Aide Rachelle Cuff, Registered Nurse Home Health Nicole Cuvo, Patient Services Rep Anna Darling, PSNE- Professional Student Nurse Extern Elsa Davis, Admin Partner Vivian Decena, Patient Services Rep Damaris Del Pozo, Guest Services Representative Lyndsey DelliSanti, PSNE- Professional Student Nurse Extern Maria DeMatto, Diag Technologist Noah DeMatto, Technical Partner Kaitlin DeMent, PSNE- Professional Student Nurse Extern Danielle Diaz, Reg Spec Christina Donofrio, BH Aide Amy Downer, Phlebotomist Suzette Dupee-MCkittrick , Dietary Aide Amr Elmeki, MD Allison Enke, PSNE- Professional Student Nurse Extern Princess Enriquez, PSNE- Professional Student Nurse Extern Ronald Evans Jr, Technical Partner Ashleigh Falcione, PSNE- Professional Student Nurse Extern Branden Fanelli, PSNE- Professional Student Nurse Extern Katherine Fazzari, Pt Observation Asst

Cassidy Fernandez, PSNE- Professional Student Nurse Extern Angela Fezza, PSNE- Professional Student Nurse Extern Hannah Folk, PSNE- Professional Student Nurse Extern Dale Fredericks, Phlebotomist Jeffrey Freer, Cafeteria Worker Jennifer Fuente, Behavioral Health Referral Spec - CL Riley Gaita, PSNE- Professional Student Nurse Extern Sharon Gallo, Nurse Instructor Jenny Garcia, Admin Partner Rebecca Garzon, Nurse Extern I Olivia Geiger, Occupational Therapist Joseph Gengarelly, PSNE- Professional Student Nurse Extern Ben Glivens, Admin Partner Gabrielle Gonzalez, Crisis Intervention Spec Lauren Goodwin, CRC Consultant Courtney Gordon, Nursing Assistant Shelby Gray, Scheduling Coord Amanda Greer, Pt Observation Asst Rachel Gregori, Reg Spec Abigail Groff, PSNE- Professional Student Nurse Extern Kayle Grohotolski, Prof Student Nurse Pt Obs Asst Mark Grossman, Medical Assistant

Jennifer Guarino, Technical Partner Elizabeth Gulick , Patient Services Rep Roohi Gupta, Radiation Physicist II Lauren Guter, Care Continuum Partner Cassandra Hale, Receptionist - Executive Suite Anastasia Hall, Case Mgr Psych PDM Aszhadia Harris, Periop Tech Asst Wknd Cole Herbst, Sr Clin Business Intel Analyst Linabeth Hernandez, Nursing Assistant Irisneyda Herrera Duran, Pre Engagement Spec Haley Hertzog, PSNE- Professional Student Nurse Extern Megan Heyer, PSNE- Professional Student Nurse Extern Nicole Heyer, Pt Observation Asst Michael Howell, Prof Student Nurse Pt Obs Asst Jamie Hutta, LPN Emily Jacobs, Colleague Rewards - Compensation Analyst Christelle Joseph, PSNE- Professional Student Nurse Extern Charissa Karcher, Patient Transporter PDM Neha Kaushik, MD Deanna Kistler Rozsitch, Medical Assistant Phys Prac Kim Kneller, Patient Services Rep Myung Ko, LPN

Christe Konopitski, Annual Giving Officer Sean Kujas, Pharmacy Intern Kayla Kulp, PSNE- Professional Student Nurse Extern Rosa Kurtz, Tech Partner WKND Day Dakota Kyzer, Speech/LangPathologist Melissa Labombarda, Housekeeper Anna Lacalamita, PA Peter Lantin, PSNE- Professional Student Nurse Extern Brooke Latchum, PSNE- Professional Student Nurse Extern Brittany Lawrence, Technical Partner Marie Leone, Medical Assistant Phys Prac Griffin Libby, Nursing Assistant Yolanda Lisbey, Housekeeper Sheena Maher, Patient Services Rep Michael Mandarano, DO Corrine Marchese, Physical Therapy Asst Andrea Marcolla, Behavioral Health Spec Erica Martemucci, Admin Partner Jenifer Martin Gilio, Dir Development, Major Gifts Jessica Martinez, RN PDM II Evng/Night Rebecca Matz, PSNE- Professional Student Nurse Extern Dewayne May, MHT NA

Destiny McGee, Medical Assistant Phys Prac Brianna McGowan, PSNE- Professional Student Nurse Extern Bo Miller, Patient Transporter Heather Miller, Phlebotomist Jamie Miller, Nurse Instructor Jacqueline Mohn, Patient Obs Assistant Michael Monti, Application Dev and Supp Expert Rachel Moser, PSNE- Professional Student Nurse Extern Amber Motley, PSNE- Professional Student Nurse Extern Demi Muhlig, PSNE- Professional Student Nurse Extern Jeanine Nagy, Prog Coord MS Kyle Namm, Technical Partner Stephanie Neamah, Technical Partner Mia Negron, PSNE- Professional Student Nurse Extern Jackie Ni, PSNE- Professional Student Nurse Extern Bridgette Normando, Technical Partner Aleksandr Onofrey, PSNE- Professional Student Nurse Extern Ashley Oquendo Melendez, Clerk Typist Kristi Ortiz, Prof Student Nurse Pt Obs Asst Dipesh Patel, MD Theresa Patrick, LPN Karla Perallon, PSNE- Professional Student Nurse Extern

Angelica Perez, Pharmacy Tech Tatianna Perez, Prof Student Nurse Pt Obs Asst Fridlene Pluviose, Nursing Asst II - Acute Care Nicholas Poplarchick, Physical Therapy Asst Campbell Power, PSNE- Professional Student Nurse Extern Elizabeth Pulice, PSNE- Professional Student Nurse Extern Lauren Reineke, Prof Student Nurse Pt Obs Asst Marjorie Reiter, Practice Director Jennifer Ring, BH Aide Amber Rivera, Technical Partner Kaila Rivera, Reg Spec Barbara Rocker, Front Desk Specialist Karesa Rodney, Registered Nurse Leisa Rodrigues, Phlebotomist Jose Rotger, Technical Partner Brian Roth, Patient Transporter Chynnalyn Rothenberger, PSNE- Professional Student Nurse Extern Alexis Ryan, PSNE- Professional Student Nurse Extern Kaylah Saintil, Medical Assistant Emily Sakevich, Medical Assistant Phys Prac Danielle Salerno, Front Desk Specialist Kharla Sanchez Cuesta, BH Aide

Yaribel Santana Perez, Medical Assistant Phys Prac Oxana Savkanitch, Reg Spec Rhianna Scholl, PSNE- Professional Student Nurse Extern Julia Sedor, Addiction Counselor Amelia Shelton, Sr Application Dev and Supp Analyst Laura Sitch, Mgr Radiation Therapy Joshua Skibiel, Phlebotomist Belinda Smith, Technical Partner Brooke Smith, Patient Services Rep Vanessa Snyder, Phlebotomist Madisen Straub, Prof Student Nurse Pt Obs Asst Lizabeth Strehl, Reg Spec Jonathan Surak, Reg Cardiovas Inv Spec Bridgeen Tohill, RN WKND Day Kevin Trinchere, Certified Registered Nurse Anesthetist Sharon Turton, BH Aide Victoria Vargas, PSNE- Professional Student Nurse Extern Sharon Vuppula, MD Venus White, Inpatient LPN WKND Day Danielle Williamson, PSNE- Professional Student Nurse Extern Kalsang Yangla, Technical Partner



Welcome Laura Kohler, MHA, BSN, RN

She joins LVHN as Administrator of Integrated Care Coordination.

Kay Werhun

Monday, January 3, 2022

Please welcome Laura Kohler back to Lehigh Valley Health Network (LVHN). Today, Laura joins our team as the Administrator of Integrated Care Coordination, Inpatient Care Management. Laura began her career at LVHN as a cardiac nurse and advanced her care management career over the last 20 years to include the leadership of inpatient care management teams and Bundled Payments for Care Improvement (BPCI) programmatic oversight.

Laura's most recent position was the Vice President of Clinical Excellence for Presbyterian Senior Living (PSL). In that role she was responsible for oversight, expertise and leadership to ensure the delivery of quality healthcare services to PSL's resident population, which includes skilled nursing, assisted living, personal care, home and community based programs. In her new role, Laura will have strategic oversight of operations for Inpatient Care Management across the LVHN enterprise.



Watch LVHN Center for Healthcare Education Virtual Topping Off Ceremony

View the virtual event on Tuesday, Jan. 11, at 11 a.m. on LVHN's Facebook page.

LVHN Insider

Thursday, January 6, 2022

All LVHN colleagues are invited to join the Facebook Premiere event for the ceremonial topping off of the LVHN Center for Healthcare Education on Tuesday, Jan. 11 at 11 a.m. This new facility at 3900 Sierra Circle in Center Valley will become the home of LVHN's Department of Education and serve as the central hub of education and training programs for our network.

The event will feature remarks from Michael Rossi, MD, MBA, Executive Vice President and Chief Clinical Officer of LVHN, and Robert Barraco, MD, MPH, Chief Academic Officer of LVHN.

You can watch the event premiere on LVHN's Facebook page.

Join the virtual event to celebrate the new LVHN Center for Healthcare Education, see the first public facility renderings and hear about the future of education at LVHN.



Project ECHO: What is that?!? An Antibiogram

Attend a presentation on Jan. 21 at noon.

LVHN Insider

Monday, January 3, 2022

LVHN is proud to be part of Project ECHO, an innovative telehealth program designed to connect health care specialists with providers located at distant sites. Project ECHO aims to help eliminate health care inequities through the use of telehealth technology.

Join us for What is that?!? An Antibiogram... presented by presented by Jarrod Kile, RPh.

When: Friday, Jan. 21 at noon

Target audience: Physicians, APCs, clinical pharmacists, nurses and infection control practitioners

Register using this link: <u>https://redcap.lvh.com/redcap/surveys/?s=MHFKFYNYPX</u>

At the end of this presentation, you should be able to:

- 1. Discuss what an antibiogram is and what it is used for
- 2. Describe how an antibiogram is designed
- 3. Recommend how a nursing facility can utilize their antibiogram to help antimicrobial stewardship

Participants are encouraged to submit questions in advance regarding antibiograms by emailing Carolyn Suess at <u>carolyn.suess@lvhn.org</u>. All patient information submitted should be de-identified for HIPAA compliance.

NEWS ANNOUNCEMENT

Lehigh Valley Health Network Announces Plan to Form One Ambulance Company With Existing EMS Services



East Stroudsburg, Pa. (January 3, 2022) – Lehigh Valley Health Network (LVHN) has announced plans to form a singular Emergency Medical Service (EMS) organization called Lehigh Valley Health Network–Emergency Medical Services (LVHN–EMS), as of January 1, 2022. LVHN–EMS will be comprised of West End Community Ambulance Association (WECAA) in Effort, Pa., the former American Patient Transport System (APTS) in Hazleton, Pa., and LVHN–MedEvac in Lehigh County.

While the community may see a new look of vehicles and branding, all three entities will retain the same staff and continue to provide the same services from the same locations throughout Luzerne, Monroe and Lehigh Counties and surrounding communities. This includes the many resources they provide to the community such as CPR training and standby services for special events.

"This will be a smooth transition, as all three entities have always prided themselves on providing the highest quality care to our patients, and that will remain our priority," says Bob Begliomini, Senior Vice President, LVHN.

According to Bob Begliomini, Senior Vice President, LVHN, this transition is in the best interest of everyone involved, as it will allow us to expand the services and resources for both the employees of each location and the communities they serve. "Under LVHN– EMS, we plan to bolster our facilities' existing capabilities while still allowing them to maintain the hometown feel they have always had," says Begliomini.

The mission of LVHN–EMS is to provide cutting edge medical care to everyone they serve. "This will be a smooth transition, as all three entities have always prided themselves on providing the highest quality care to our patients, and that will remain our priority," says Begliomini.

PATIENT STORY

Perkasie Newlywed Survives 'Widow-Maker' Heart Attack

After collapsing at home, Bucks County welder survived due to leading-edge medical care



A totally blocked artery stopped David Byrne's heart and nearly took his life on April 22, 2021.

Those around him – from his wife, to local police and emergency medical responders, to Grand View Hospital and Lehigh Valley Health Network (LVHN) doctors and cardiac intensive care – had other ideas. On their watch, they would do everything possible to save him.

Frightening morning



The 38-year-old welder felt terrible when he woke up. He had bad indigestion and chest discomfort but chalked it up to eating spicy chicken wings the night before. Still, at 5:30 a.m., he left his home in Perkasie, Bucks County, for a roughly 45-minute drive to his job for rail freight transportation company CSX in Langhorne. Shortly after arriving, he went home, too sick to work.

He decided to take a shower. Moments later, he crashed to the shower floor where his wife of just four months, Jillian, found him, unconscious. His heart had stopped.

She dialed 911.

The dispatcher calmly instructed her to begin CPR.

"In the moment, I didn't think about anything else but getting him to breathe," says Jillian.

Perkasie police officer Ray Fox and Hilltown Township officer Jim Browne were first on the scene. They got Dave out of the shower and took over CPR duties. He was still in cardiac arrest. They used an automatic defibrillator to try to get Dave's heart going by delivering multiple electrical shocks to his chest. MEDIC 151 responded moments later and paramedic Scott Huttenlock and EMT Daniel Schwartz defibrillated Dave several more times during the 3 ½ mile ride to Grand View Hospital in Sellersville.

"In the setting of out-of-hospital cardiac arrest the odds are often stacked against us, however we were very fortunate to get a great outcome with lots of prayers and help from above." - Shailendra Singh, MD FACC FSCAI

At the hospital

Grand View Hospital has a partnership with LVHN, started in late 2019, for LVH Cardiology to provide around-the-clock interventional cardiology coverage of Grand View Health's cardiac catheterization lab. LVHN cardiologists, assisted by nurses and technicians from Grand View perform procedures including stent placements, and vascular procedures. Interventional cardiologist <u>Shailendra Singh</u>, MD, Co-Director of Interventional Vascular Cardiology at Lehigh Valley Heart and Vascular Institute, was on duty at Grand View Hospital that day.

Once at the hospital, Dave's heart had regained rhythm, but his breathing was labored, and his oxygen level was very low which required immediate intubation with mechanical ventilation. An electrocardiogram (ECG) confirmed Dave's heart attack and tests showed his left anterior descending artery was totally blocked, which caused his cardiac arrest. A cardiac arrest caused by a heart attack involving this blood vessel is commonly referred to as a 'widow maker' because of the high mortality rate, especially in cardiac arrest that occurs outside the hospital.

"Dave's heart function decreased dramatically to 10 percent of what it should have been. Therefore, it was imperative to immediately fix the blockage while assessing if further therapies were necessary, such as a heart pump (officially called a left ventricular assist device), to allow the heart to recover while providing good blood flow to his organs and the rest of the body," says Singh.

Singh immediately took Dave to the cardiac catheterization laboratory at Grand View and within 15 minutes was fixing the left anterior descending artery blockage which also involved another branch called the diagonal artery. Due to severe cardiac shock, Dave received a heart pump.

Dave was then transferred to the cardiac intensive care unit at Lehigh Valley Hospital– Cedar Crest, accompanied by Joanne Engle, a Grand View Cardiac Catheterization nurse along with paramedic Anthony Damiani and EMT Daniel Schwartz, where he remained for two months. The resources of <u>Lehigh Valley Heart and Vascular Institute</u> were instrumental in Dave's recovery.

He underwent targeted temperature management (formerly therapeutic hypothermia) to ensure brain function recovery. Aside from his heart attack, he also recovered from liver and kidney damage, infections, being on dialysis for much of his time in intensive care, and even a procedure to remove blood from his lungs.

"The remarkable part is the resilience of the human body. In an out-of-hospital cardiac arrest the odds are often stacked against us, but we were very fortunate to get a great outcome with lots of prayers and help from above," says Singh.

Did You Know?

About 10 percent of people who experience an out-of-hospital cardiac arrest survive.

Directly from Dave



Dave doesn't recall the day of his heart attack. Since he was sedated for much of his time in intensive care at LVH–Cedar Crest, Dave says he remembers just the last few weeks there. The former Marine later spent time in an acute long-term rehabilitation facility in southeastern Pennsylvania, before going home for good on Aug. 6.

He says it's hard to define his experience in the ICU since he has little memory of it. Jillian filled him in on what he endured and the care he received. "Hearing that, there was a lot going against me," he says. "It was one step forward and a step or two backwards. It's sad knowing my wife and family had to see me go through this."

He lost about 75 pounds through it all and says he's maintained that healthier weight and improved his diet, which he confessed wasn't the best before his heart attack.

And from Jillian

"It was very, very tough for me and our family," says Jillian. "The first couple weeks were very touch and go. I spent every waking hour I could at his side."

The couple praised their caregivers.

"Everyone was great," says Jillian, who added she formed great relationships with all the LVH–Cedar Crest nurses who cared for her husband. "I asked a million questions. I wanted to be part of his recovery and I could tell they were so invested in his recovery, which was great. It was comforting for Dave and me and for our family."

Jillian recalled meeting Singh at Grand View Hospital's waiting room immediately after he fixed Dave's blocked artery and installed the heart pump. "You could sense the pride he felt in his work," she says in a social media post chronicling Dave's medical odyssey. "He was smiling through his mask and seemed optimistic for Dave's recovery."

In a card to caregivers at LVH–Cedar Crest, Jillian said she and Dave were "incredibly thankful and fortunate" to have Singh as Dave's interventional cardiologist. "It is palpable that Dr. Singh strives to achieve the very best outcomes for his patients and that he is very thorough and talented at his craft," she writes.

More than coincidence

The Byrnes believe there was more than coincidence at work on April 22. "No luck was involved. This was something a little more than that," says Dave.

- Jillian worked from home, so she was there when Dave collapsed.
- Dave drove to and from work that morning, but he didn't go into cardiac arrest behind the wheel.
- Grand View Hospital, equipped with a new cardiac catheterization lab and team
 of nurses and technicians provided life-saving care close to home. There, Singh
 who is specially trained in high-risk procedures, placed the small heart pump to
 maintain blood flow and sustain Dave's life.

Jillian's quick action and CPR when Dave collapsed helped save his life, but she doesn't consider herself a hero. "I don't think of myself that way because he's my husband and I did what I had to do," she says. On her social media account, she wrote, "My husband is a living miracle and inspirationally strong. I'm so proud to be his wife."

Singh says celebrating victories like Dave's recovery is important because it takes a team to be successful in saving someone's life in this scenario.

"The fact that Dave is walking, talking and completely normal without any neurological consequences, is incredible," says Singh. "Jillian has been a gem and literally one of the best caretakers I have ever seen."



What's next

Dave says his and Jillian's focus is "trying to go back to living our lives, full productive lives," and maybe starting a family.

Welding may be out as a profession when he goes back to work, but he says he'll adjust and figure things out. "Thankfully, I'm around to make those decisions," he says. "We can't thank everyone enough," says Jillian. "We're very appreciative of every person who had a hand in his recovery."



Heart Attacks: Next Generation Testing at LVHN Helps Rule Them In or Out Sooner

High-sensitivity troponin is a telltale sign of heart injury.

LVHN Insider

Tuesday, January 4, 2022

Lehigh Valley Health Network (LVHN) emergency room physicians and cardiologists are using a new test to help them know much more quickly if you've had a heart attack not identified by your electrocardiogram (ECG).

Diagnosis time can be cut by hours, potentially shortening time to appropriate treatment. For those whose symptoms are not due to a heart attack, the new test rapidly identifies individuals who can safely be sent home.

Telltale protein

A heart attack damages heart muscle, releasing a type of protein called troponin (**trow**-puh-nuhn). Troponin is ordinarily present in your blood in extremely low levels. If you are having a heart attack, troponin levels will rapidly rise in your blood and be detected by the new high-sensitivity testing.

The new blood test, in place at all LVHN hospitals, allows doctors to see changes in troponin levels at much lower quantities than with previous testing equipment and much earlier. Rising or falling troponin levels can signal a heart attack from a blocked artery or heart damage due to other causes.

"This test helps the emergency physician achieve greater accuracy in safely discharging patients and appropriate hospitalization of our chest pain patients," says <u>Richard</u> <u>MacKenzie</u>, MD, LVPG Emergency Medicine and Senior Vice Chair, Emergency and Hospital Medicine, LVHN.

Rapid detection now available

Prior to high-sensitivity testing, a patient had a series of blood tests over three to six hours before doctors could confirm significant changes in troponin levels and evidence of heart injury. Now, with high-sensitivity testing, doctors can detect heart injury in just two to three hours after symptoms begin.

"Because (high-sensitivity testing) detects changes in troponin levels very quickly, we're able to identify a patient with a high risk, as well as someone who has a low risk for a heart attack," says cardiologist <u>Bruce Feldman</u>, DO, with LVH Cardiology–1250 Cedar Crest, Lehigh Valley Heart and Vascular Institute. "This is a significant benefit for patients and health care networks."

Troponin gender differences

Troponin levels differ by gender, with women having lower levels than men.

"When it comes to heart disease, women are different from men in terms or presentation, symptoms, outcomes and treatment strategies," says cardiologist <u>Amy</u> <u>Ahnert</u>, MD, Director, Women's Heart and Vascular Program, Lehigh Valley Heart and Vascular Institute. "Here at LVHN, we recognize that there are gender differences when it comes to the diagnosis and treatment of heart disease and this new test will help us in our mission to improve outcomes in women."