



PHARMACY SERVICES
ANNUAL REPORT 2022

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GREETINGS FROM THE VICE PRESIDENT

I am pleased to present the Fiscal Year 2022 Annual Report. This report outlines the accomplishments made by Pharmacy Services as we further our mission to heal, comfort and care for the people of our community. To succeed, we continue to be guided by the Quadruple Aim, a framework that helps us produce better health, better care, better cost, and a better colleague experience. Pharmacy Services continues to innovate, providing the highest level of pharmacy service to our patients through outstanding clinical services, and a distribution model that provides safety and efficiencies like no other.



The safety and quality performance across all sites continues to shine as we dispensed over **10 million** doses in FY22. We provided clinical interventions on **113,249** orders that resulted in safer care and cost reductions of **\$544,575**. Our retail, infusion and specialty divisions continue to grow financially while providing high-quality patient care and customer service. In FY22, those divisions generated **\$12 million** in operating income. Additionally, our alignment with the Lehigh Valley Health Network (LVHN) Health Plan continues to offer significant savings to the network.

This year we expanded our pharmacy services to the new LVHN campuses at Hecktown Oaks, Dickson City and Carbon. These pharmacies are functioning in a new way as hybrid inpatient and outpatient locations to better serve the patients being discharged from our facilities as well as our network colleagues and LVHN Health Plan members.

Continuing our commitment to keeping our patients and each other safe, the pharmacy helped to facilitate the administration of over **212,000** doses of COVID-19 vaccine in FY22. This included the introduction of third and fourth doses for immunocompromised individuals, booster doses and brand-new pediatric vaccines.

I am honored to be part of such an outstanding team and am looking forward to another exciting year ahead.

Best Regards,
Brian D. Lenich, RPh, MBA
Vice President, Pharmacy Services

LVHN INPATIENT PHARMACY SERVICES

INPATIENT PHARMACIES - ONE AT EACH OF OUR TEN HOSPITAL LOCATIONS

Allentown
LVH-Cedar Crest
LVH-17th Street
LVHN-Tilghman

Bethlehem
LVH-Muhlenberg

East Stroudsburg
LVH-Pocono

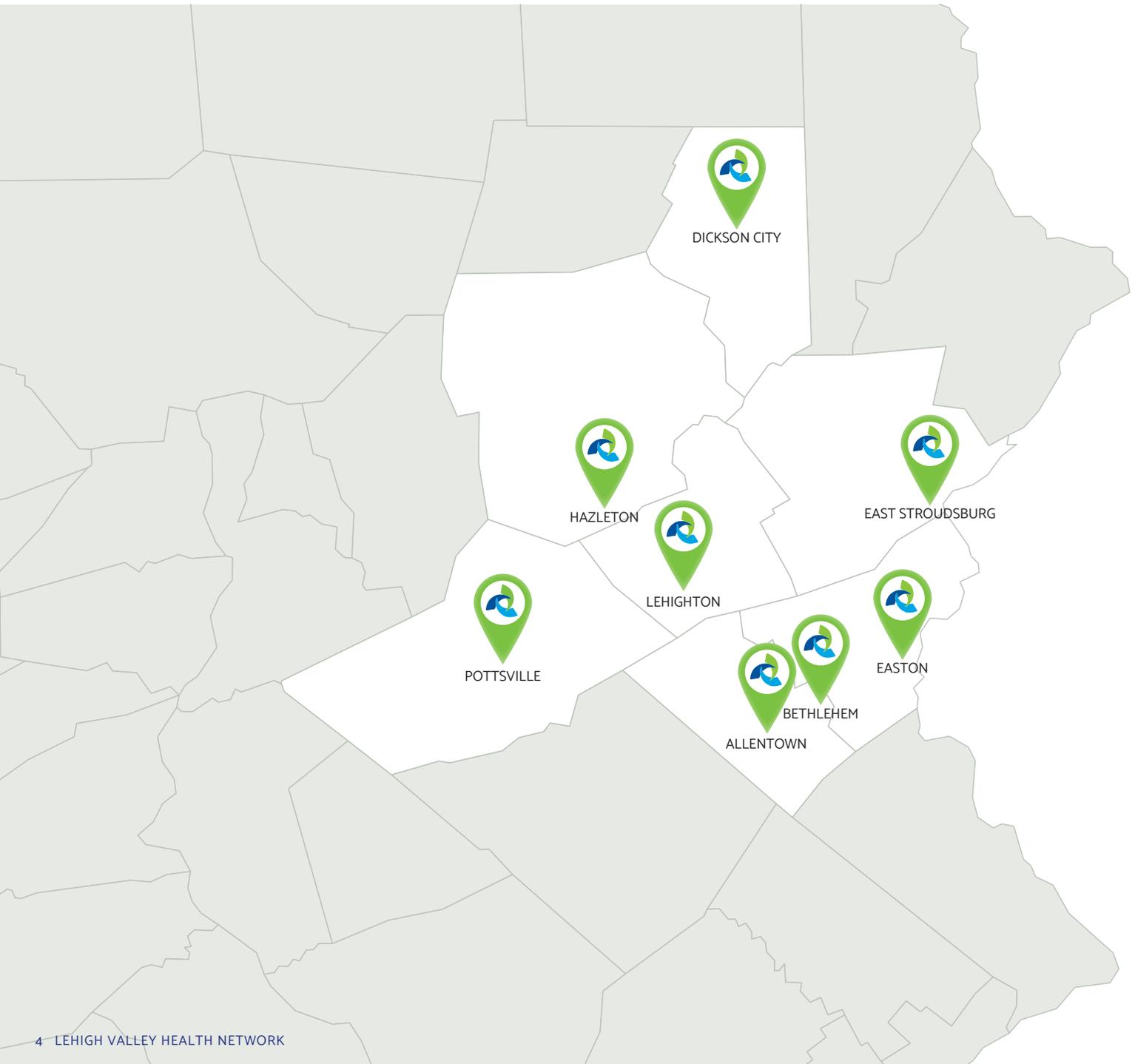
Hazleton
LVH-Hazleton

Pottsville
LVH-Schuylkill
E. Norwegian St.

Lehighton
LVH-Carbon

Easton
LVH-Hecktown Oaks

Dickson City
LVH-Dickson City



LVHN HOSPITAL LOCATIONS

LVH-CEDAR CREST

Beds: 837

- Level I Trauma Center
- Comprehensive Stroke Center
- Children's ER
- Family Birth and Newborn Center
- Level IV NICU
- Regional Burn Center
- John and Dorothy Morgan Cancer Center
- Inpatient Rehab
- Minimally invasive robotic surgery

LVH-17TH STREET

Beds: 12

- Community clinics
- Breast Health Services
- Sleep Disorders Center

LVHN-TILGHMAN

Beds: 24

- Center for Orthopedic Medicine
- ExpressCARE
- LVHN Surgery Center-Tilghman

LVH-MUHLENBERG

Beds: 321

- Behavioral Health Services
- Primary Stroke Center
- Family Birth and Newborn Center
- Level II NICU
- Cancer Center at Lehigh Valley Hospital-Muhlenberg
- Inpatient Rehab

LVH-POCONO

LVH-Pocono serves communities in Monroe County and the Pocono Mountain region.

Beds: 264 (DOH License)

- Level III Trauma Center
- ESSA Heart and Vascular Center
- Level III NICU
- Dale and Frances Hughes Cancer Center
- Family Birth and Newborn Center
- Inpatient Rehab
- Behavioral Health Services
- TJC Certified Primary Stroke Center
- Minimally invasive robotic surgery

LVH-HAZLETON

LVH-Hazleton serves communities in the Greater Hazleton area.

Beds: 150

- Level IV Trauma Center
- Gunderson Rehabilitation Center
- Primary Stroke Center
- Family Birth and Newborn Center
- LVHN Cancer Center-Hazleton
- Chest Pain Center

LVH-SCHUYLKILL

LVH-Schuylkill serves Pottsville and surrounding communities in Schuylkill County.

Beds: 186

- Stine Acute Rehabilitation
- Advanced Wound Center
- Behavioral Health Services (senior, adult, adolescent)
- Family Birth and Newborn Center
- LVHN Cancer Center-Schuylkill
- Primary Stroke Center
- Chest Pain Center
- Cardiac Rehabilitation
- Joseph F. McCloskey School of Nursing

LVH-CARBON

Beds: 20

Our newest campus, in the heart of Carbon County, is a full-service hospital:

- Emergency Room
- Health Center
- Cancer Center
- Inpatient Unit

LVH-HECKTOWN OAKS

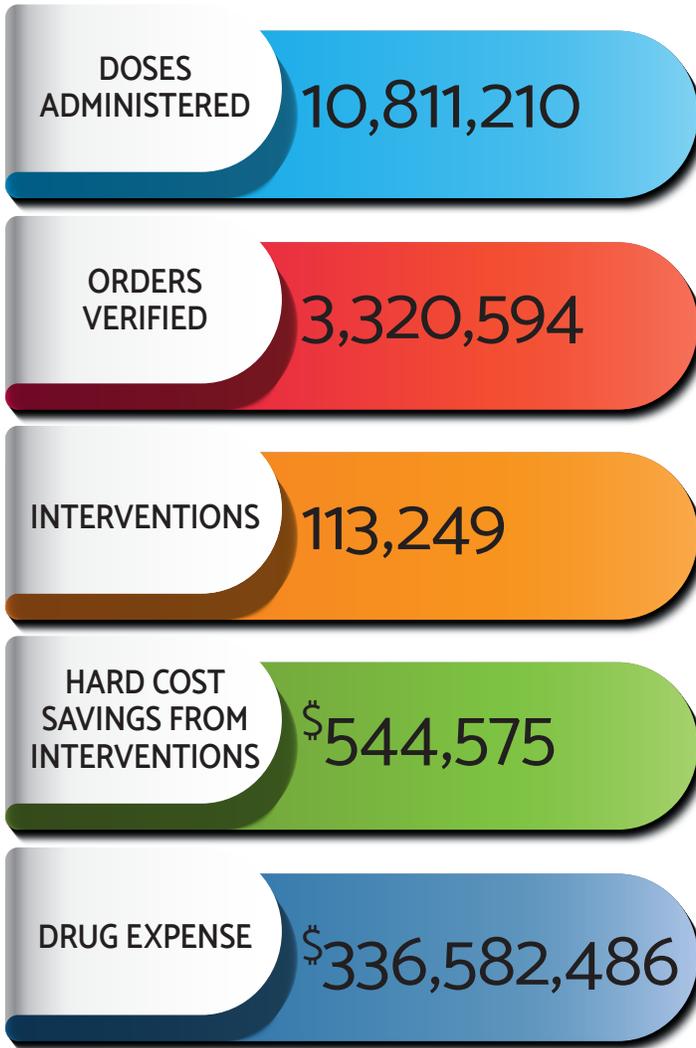
Beds: 50

LVH-DICKSON CITY

Beds: 24

FISCAL YEAR 2022 STATISTICS

Inpatient Pharmacy Department Volume Metrics for LVH-Cedar Crest, LVH-Muhlenberg, LVH-17th Street, LVH-Tilghman, LVH-Hazleton, LVH-Schuylkill, LVH-Pocono, LVH-Carbon, LVH-Dickson City, LVH-Hecktown Oaks



LEHIGH VALLEY PHARMACY SERVICES LOCATIONS FISCAL YEAR 2022

- Lehigh Valley Pharmacy Services-Cedar Crest
1202 S. Cedar Crest Blvd., Allentown
- Lehigh Valley Pharmacy Services-17th Street
1637 Chew St., Allentown
- Lehigh Valley Pharmacy Services-Muhlenberg
2545 Schoenersville Road, Bethlehem
- Lehigh Valley Pharmacy Services-Pocono
206 E. Brown St., East Stroudsburg
- Lehigh Valley Pharmacy Services-Infusion
2024 Lehigh St., Suite 500, Allentown
- Lehigh Valley Pharmacy Services-Specialty Division
2024 Lehigh St., Suite 600, Allentown
- Lehigh Valley Pharmacy Services, LVH-Schuylkill
E. Norwegian St., Pottsville
- Lehigh Valley Pharmacy Services, LVH-Carbon
2128 Blakeslee Blvd. Drive E., Lehighton
- Lehigh Valley Pharmacy Services, LVH-Dickson City
330 Main St., Dickson City
- Lehigh Valley Pharmacy Services, LVH-Hecktown Oaks
3780 Hecktown Road, Easton



FISCAL YEAR 2022 RETAIL AND SPECIALTY STATISTICS

RETAIL PHARMACY DIVISION

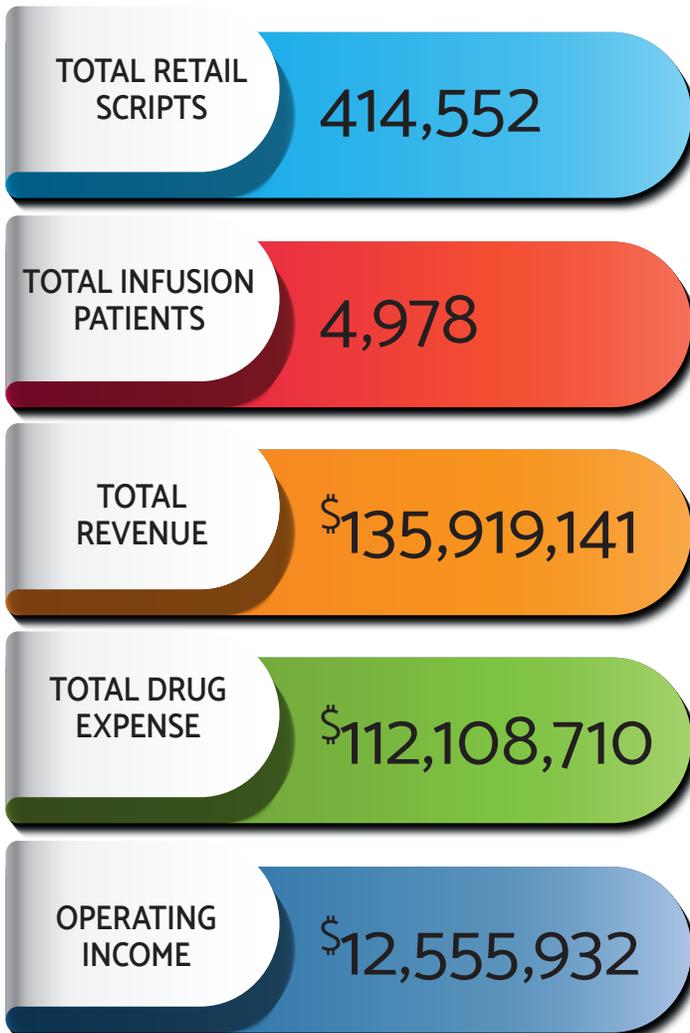
Lehigh Valley Pharmacy Services are located at LVH-Cedar Crest, LVH-17th Street, LVH-Muhlenberg, LVH-Pocono and LVH-Schuylkill. These full-service pharmacy locations fill and dispense LVHN employee prescriptions as well as dispense medication to patients being discharged from our hospitals, our clinic patients and other members of our community. Services offered at these locations include bedside prescription delivery, compliance packaging, free convenience shipping and adult immunization administration. In addition to our full-service locations, in FY22 we opened new convenient pickup locations at LVH-Hecktown Oaks, LVH-Dickson City and LVH-Carbon to better serve our employees and patients being discharged from those facilities.

SPECIALTY PHARMACY DIVISION

Our specialty pharmacy team works closely with LVHN specialists to obtain high-cost, high-touch medications for patients. Services offered by our specialty team include but are not limited to: prior authorization, appeal and financial assistance support, monthly patient compliance phone calls, on-site self-injectable teaching and compliance packaging. Our care team utilizes a care management system called TherigySTM to track patients' clinical outcomes. In FY22, we added **1** pharmacist and **2** pharmacy coordinators to the specialty division.

HOME INFUSION DIVISION

Lehigh Valley Pharmacy Services home infusion division services patients in **13** counties in Pennsylvania and two counties in New Jersey. Therapies provided include but are not limited to: TPN, anti-infectives, chemotherapy, immunoglobulin, hemophilia factors, pain management and corticosteroids. Our team consists of pharmacists, nurses, financial coordinators, pharmacy technicians and delivery technicians, all with the goal of delivering high-quality, cost-effective services to patients in the comfort of their homes. Partnering with Lehigh Valley Home Care and other agencies, Lehigh Valley Pharmacy Services home infusion division provides the most up-to-date services and infusion devices to allow patients the freedom to continue their recovery and take charge of their care in the comfort of their homes. In December 2019, the 2024 infusion suite was utilized for patient treatment for the first time. Throughout FY22, **190** infusions were administered in the on-site suite.





MEDICAL SUPPLIES DIVISION

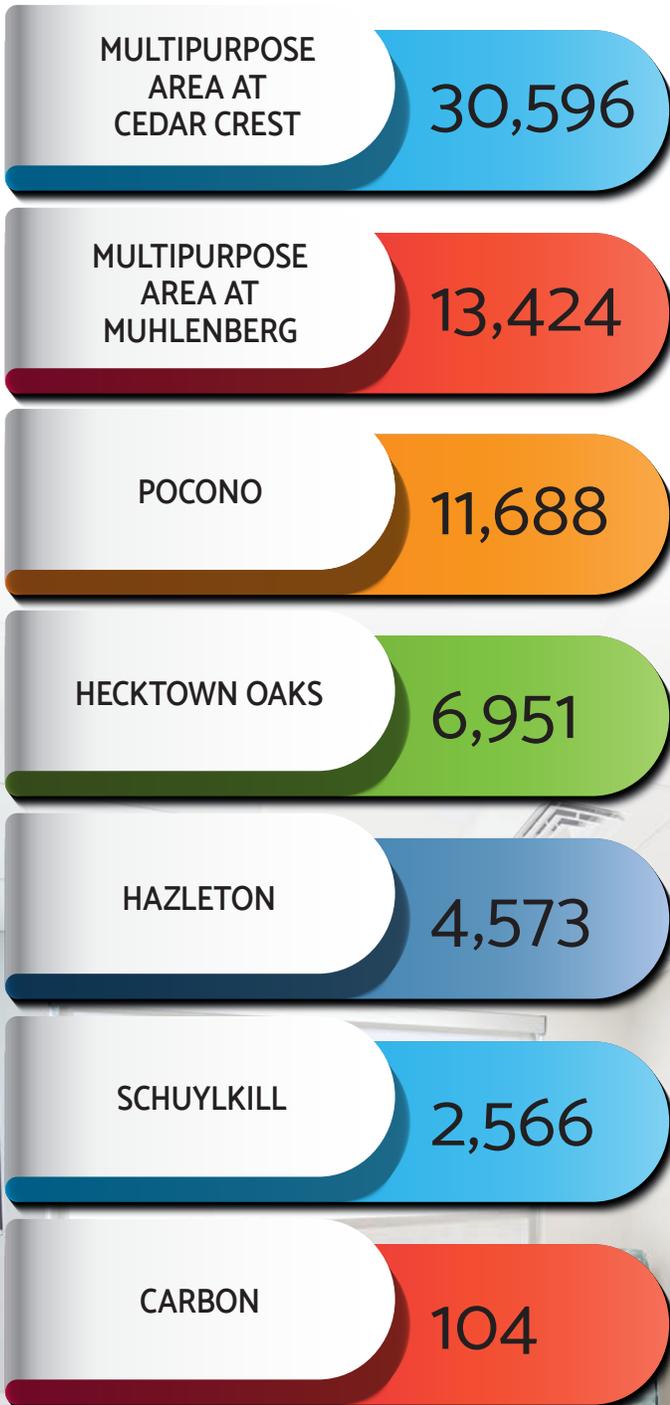
Our medical supplies division assists patients with items such as Jobst® vascular garments, diabetic supplies, post-mastectomy products, and wound, ostomy and breastfeeding supplies. As a Board of Certification/Accreditation (BOC)-accredited facility, our division's certified fitters ensure patients' orthotic products fit properly.

BILLING AND ACCOUNTS RECEIVABLE

The billing department of Lehigh Valley Pharmacy Services consists of five dedicated employees who have taken ownership of billing and collection responsibilities. The past fiscal year has been the strongest to date. Using cash collections as a barometer for success, the billing department has not disappointed. This year the billing department collected **\$182,565,881** in receivables. Another nationally accepted standard for measurement is average days sale outstanding (DSO). In this category, the department falls below the national average for this business type. Home infusion DSO is currently at **32.97**, with industry average at 68. Retail, which includes home medical equipment (HME), is **16.25**. There is no published industry average for this type of hybrid combination of retail and HME, but compared to what we know about HME, it also falls below industry average.

CANCER/AMBULATORY INFUSION CENTERS

FY22 INFUSION VISITS BY SITE



INFUSION SERVICES LOCATIONS

- John and Dorothy Morgan Cancer Center at Lehigh Valley Hospital-Cedar Crest
- Cancer Center at Lehigh Valley Hospital-Muhlenberg
- Cancer Center at Lehigh Valley Hospital-Hecktown Oaks
- Cancer Center at Lehigh Valley Hospital-Carbon
- Dale and Francis Hughes Cancer Center at Lehigh Valley Hospital-Pocono
- Cancer Center at Lehigh Valley Hospital-Hazleton
- Cancer Center at Lehigh Valley Hospital-Schuylkill





On June 8, Lehigh Valley Hospital (LVH)-Carbon Cancer Center opened its doors to treat the residents of Carbon County and beyond. This is the seventh cancer center opened for the network, and among all seven sites, we serve the following counties: Lehigh, Northampton, Monroe, Luzerne, Schuylkill and Carbon. All cancer centers have a pharmacy located inside the infusion area. LVH-Carbon includes an oncology medical practice as well as an infusion center where patients can be treated close to home. The infusion center at LVH-Hecktown Oaks, which opened in 2021, has exceeded expectations and has become very busy. In general, the infusion centers saw a combined growth of 8% with the largest increase seen at Hecktown Oaks. The Oncology Therapeutics Committee continues to meet with all seven cancer centers represented, plus two physician leaders. The committee continues to address drug shortages, white bagging, site of care and new therapies to treat patients in both the inpatient and outpatient settings. By having a multidisciplinary committee, all regimens and procedures are standardized across all sites for patient safety.

Our clinical trial program continues to grow and accrue patients to our Muhlenberg and Cedar Crest sites. In the coming year, the medication trials will expand to our Pocono site. In FY22, **151** patients were enrolled in both treatment and tissue trials from pharmaceutical companies, the National Cancer Institute, and our alliance with Memorial Sloan Kettering.

COVID-19 VACCINATION CLINICS

Throughout FY22 with the dedication of our pharmacy teams, clinic staff, and colleagues at LVPG and Valley Health Partners, our network administered over **212,000 doses** to our employees and surrounding communities.

In addition to our clinic locations, our mobile clinic team also traveled to many businesses, nursing homes and schools to better reach our local communities as well as employee pop-up clinics. Their efforts resulted in over 7,000 doses being administered.

One of the major contributors to the success of our vaccination program continues to be our vaccine distribution model. We use a hub-and-spoke model with all vaccine managed centrally at Lehigh Valley Pharmacy Services–Specialty Division. We were able to be agile with sending vaccine to locations based on geographic location and need. -





STEP 4
OBSERVATION
OBSERVACIÓN

CLINIC LOCATIONS

- LVH-Pocono
- LVH-Hazleton
- LVH-Schuylkill
- Whitehall
- Palmer

EDUCATION

POSTGRADUATE YEAR ONE (PGY1) RESIDENCY PROGRAM

The LVHN program has been accredited by the American Society of Health-System Pharmacists (ASHP) since 2007 and was most recently granted an eight-year accreditation following a survey conducted Oct. 6, 2021. Our program prepares pharmacists for clinical or teaching positions, or for PGY2 training in a community hospital setting. The program currently has 17 preceptors who offer a broad range of learning experiences.

We would like to congratulate our 2022 graduates:

Sara Frey, PharmD: PGY2 Pediatric Residency – University of Chicago Medicine – Comer Children’s Hospital, Chicago, Illinois

Megan Taylor, PharmD, MSCR: PGY2 Critical Care Residency – UNC Rex Healthcare, Raleigh, North Carolina

PHARMACY STUDENTS

LVHN has student affiliation agreements in place with six schools of pharmacy: Temple University School of Pharmacy, Thomas Jefferson College of Pharmacy, University of Rhode Island College of Pharmacy, University of the Sciences’ Philadelphia College of Pharmacy, Wilkes University Nesbitt School of Pharmacy and Regis University School of Pharmacy. In the last academic year, **13** clinical specialists and administrators precepted **21** student APPE rotations and **7** student IPPE rotations at **5** inpatient hospital sites. Rotations precepted included cardiology, critical care, hospital/institutional, infectious diseases, internal medicine, oncology, pediatric oncology and infectious diseases, and organ transplant. Additionally, **20** pharmacy student interns were employed in the inpatient pharmacy departments in FY22. Four of the six interns who graduated from pharmacy school entered into a pharmacy residency program.

Lehigh Valley Pharmacy Services employed **10** student interns during FY22.

ACCREDITATION COUNCIL FOR PHARMACY EDUCATION (ACPE)

In October 2021, the Continuing Pharmacy Education Program of Lehigh Valley Hospital Pharmacy Department was evaluated for reaccreditation by the Accreditation Council for Pharmacy Education (ACPE) Continuing Education Commission. Accreditation was granted to the Pharmacy Department until Jan. 31, 2028, a standard six-year term.

- Lehigh Valley Hospital Pharmacy Department sponsored **12** ACPE activities accounting for **298** certificates of completion and 32.825 CEU or 328.25 continuing education credit hours for pharmacy staff.
- Lehigh Valley Hospital Pharmacy Department sponsored **12** ACPE activities in cooperation with the Department of Education accounting for **38** certificates of completion and **4** CEU or 40 continuing education credit hours for pharmacy staff.

AWARDS/NOMINATIONS

Friends of Nursing Award – Linda Nguyen

Louis P. Jeffrey Award, Eastern States Residency Conference – Kristin Held Wheatley, May 2022

ASHP Foundation Pharmacy Residency Expansion Grant – Kristin Held Wheatley, January 2022

MEDICATION SAFETY

LVHN has a dedicated medication safety officer who assists all health care professionals in the safe, efficient delivery of health care. The medication safety officer works with nursing, health care informatics, providers and ancillary health care professionals to keep the chance of hurting a patient due to medication error to about four in a million.

PUMP SAFETY

In FY22 we deployed 1,000 ICU Medical Plum 360 large-volume infusion pumps with 2,000 more to be deployed in FY23. These pumps will bring electronic integration of the pump with the EMR. Starting with the first deployment of the interface at LVH-Pocono in April 2022, the bidirectional interface reads the order from Epic and then transmits the infusion data from the pump back to the EMR. In conjunction with our nurses, the pumps create the safest infusion system possible in health care today.

IMPROVEMENTS THAT CONTRIBUTE TO THIS SAFETY LAYER INCLUDE:

- Continual quality management of hospital systems to ensure the safety of our medication management systems.
- Cooperation with senior leadership and the Board of Trustees that propels LVHN's commitment to safety forward.
- Surveillance of controlled substance administration to strive for a system that prevents diversion and maintains the highest standard of medication availability.
- Supports the network's role in research as chairman of the Institutional Review Board.



CLINICAL SERVICES

CLINICAL SERVICES

Clinical Pharmacy Services continued to focus its efforts in FY22 ensuring the needs of our patients and the community at large were being met as we faced an ever-evolving COVID-19 virus. As novel therapies were made available, pharmacy services coordinated with multiple stakeholders to ensure a seamless implementation. The clinical pharmacy team has continued to show their resilience despite the many and continued challenges they face. A new face joined the clinical pharmacy leadership team in FY22. Anthony Gabriel, PharmD, BCPS, joined LVHN as director of Clinical Pharmacy Services in fall 2021. We appreciate his contributions in supporting the pharmacy team this past year and look forward to his continued leadership.



INPATIENT TECHNOLOGY

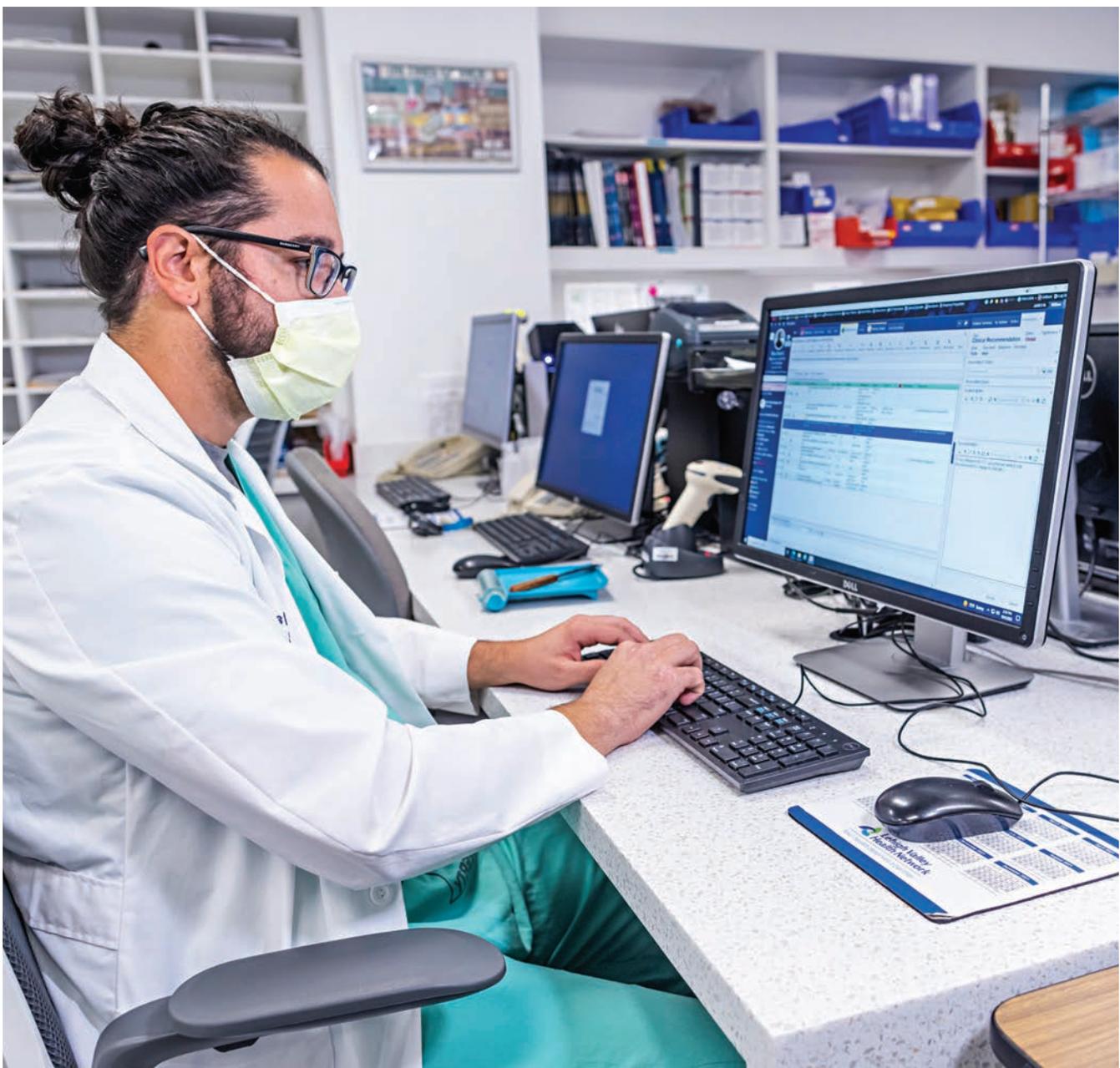
We continued to make progress in FY22 with technology implementations and planning. We implemented DispensePrep, our IV room workflow management system, at additional facilities. Both Coordinated Health and LVH-17th Street implemented KitCheck for all anesthesia trays and code cart trays this fiscal year. We also rolled out compounding and repackaging (CNR) at additional sites. We continued our rollout to place our existing automated dispensing cabinets with Omnicell machines at Muhlenberg, Pocono, and Hazleton. We will be integrating them at Schuylkill later in FY23 completing a full conversion from BD Pyxis to Omnicell. The Muhlenberg site implemented a SwissLog BoxPicker to allow for more accurate dispensing and better visibility of its inventory. Technology planning and implementation will remain at the forefront of our vision for the next several years as we look to implement new carousels, new IV robotics and replace existing robots in some of our pharmacies.

LEHIGH VALLEY PHARMACY SERVICES TECHNOLOGY

Lehigh Valley Pharmacy Services continues to use technology to leverage time and resources. To date, our interactive voice response (IVR) system has answered over **1.9 million** phone calls, submitted **637,337** refills and recorded **130,136** voice messages, freeing time for colleagues to better serve the needs of patients.

Additionally, we utilize automation solutions from several different companies to assist in filling vials, counting pills, creating individualized medication packets and monitoring the overall workflow of our pharmacies.

As our network continues to grow, so will utilization of these systems to help us remain lean, efficient and focused on services we provide to our patients and community.



INTEGRATED CARE COORDINATION – POPULATION HEALTH

The Integrated Care Coordination (ICC) clinical pharmacy team

continues to provide comprehensive medication management for Medicare, Medicaid, and otherwise vulnerable high-risk patients with frequent hospitalizations or chronic conditions. In fiscal year 2022, the ICC clinical pharmacists received 1,539 referrals from providers, team members and registries, and worked with a total of 1,206 patients. A total of 3,523 patient outreach encounters and video visits were conducted, generating 3,012 interventions for medication management. These interventions were associated with an estimated cost-avoidance of approximately \$1,310,000. Additionally, the team provides PGY1 pharmacy residents a longitudinal ambulatory care rotation in population health, which focuses on direct patient care in an interdisciplinary team setting.

The ICC clinical pharmacists provided medication therapy management (MTM) services for qualifying Highmark Wholecare (Gateway Health Plan) Medicare beneficiaries in the network’s southern tier. In calendar year 2021, 92% of LVPG and VHP patients received MTM services from clinical pharmacists, achieving the maximum level of the Practitioners Excellence Program.

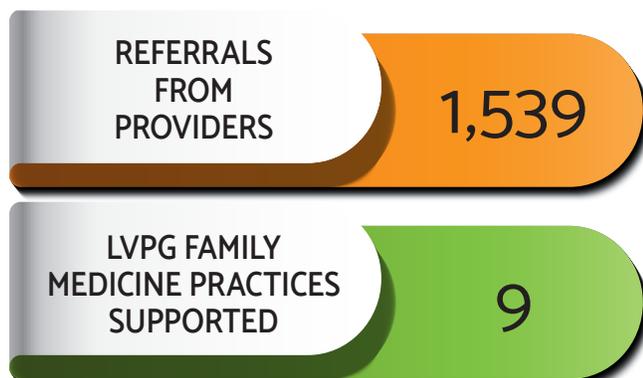
The ICC clinical pharmacists, along with guest contributors from our VHP pharmacist colleague and PGY-1 residents, continued with distribution of an interactive quarterly newsletter, Medication Matters, to health care practitioners across Lehigh Valley Health Network. The content is focused on clinical practice guidelines, medication safety

issues, new drug approvals, as well as regulatory and practiced-based issues.

The ICC clinical pharmacists continue to participate in collaborative practice agreements for adult patients with uncontrolled type 2 diabetes. In fiscal year 2023, we will expand our services to support a total of 9 LVPG family medicine practices. During fiscal year 2022, 127 patients were referred to the program with a 73% participation rate. Enrolled patients had an average A1C of 9.9% at time of enrollment, and the program successfully demonstrated an average A1C reduction of 2.3% in managed patients and 2% in the total population. The team continues to show success in increased utilization of GLP-1 receptor agonists and SGLT2 inhibitors, and decreased utilization of DPP4 inhibitors, sulfonylureas, thiazolidinediones, and meglitinides.

The ICC clinical pharmacists provide video and telephone visit appointments to patients. Alternatively, face-to-face patient visits are offered at five centralized clinic spaces – Lehigh Valley Pharmacy Services–Cedar Crest, LVHN Express Care–Muhlenberg, Health Center at Palmer Township, LVPG Hamilton 3080 Medical Building, Health Center at Fogelsville, and LVPG Family Medicine–Southside – increasing access to pharmacy services across the Lehigh Valley.

In FY23 the ICC team is looking forward to expanding the number of pharmacists providing population health care for LVHN, including the introduction of a heart failure-focused ICC clinical pharmacist.



POPULATION HEALTH

The Populytics Care Coordination (PCC) pharmacy team has been working to improve pharmacy spend and utilization for the LVHN Employee Health Plan (LVHNHP) and contracted commercial payer populations. For fiscal year 2022, programs and reach have expanded, new initiatives have been developed, and processes have improved. Across all programs, the team made **7,708** interventions for **2,941** patients, resulting in an estimated cost avoidance of **\$2.8M** for the fiscal year, an increase of almost **60%** from the previous fiscal year.

Program expansion. Multiple key programs have grown. For select payers, clinical pharmacists have continued to review the charts of covered members who have diabetes to make recommendations to their providers through Virtual Pharmacy Reviews (ViPRx), a program providing medication-focused chart reviews prior to provider visits. This now includes members in northern counties of the coverage area for all participating payers.

Outreach initiatives to help improve the care of colleagues within LVHN has also continued. In addition to First Fill Counseling to provide medication education to LVHNHP members who are initiated on medications for cholesterol, diabetes, and hypertension, heart failure medications have been added. This program has been very well received. Pharmacist-driven formulary management has also continued, with the addition of a formal Populytics Pharmacy and Therapeutics committee. Formulary management has helped the Health Plan save **\$2.8M** for the fiscal year.

Work to minimize high-cost low-value (HCLV) medication prescribing has become an ongoing process with regular updates and education through the Lehigh Valley Physician Hospital Organization (LVPHO). Data available as of this report show overall savings for all participating payers totaled **\$3.3M**.

In partnership with Lehigh Valley Physician Group (LVPG) and LVPHO, Populytics has initiated a pilot to enhance the deprescribing program. In addition to making recommendations to reduce duplicate and sub-optimal medication prescribing for diabetes, the team has begun to recommend tapering and discontinuing longer-term heartburn medications (proton pump inhibitors) that have been shown to contribute to high care costs with potential long-term patient harm.

Expanded reach. As programs have grown, so has the Populytics pharmacy team's reach. The team has been providing services for all providers in the LVPHO. In FY22, Coordinated Health providers and patients were added. Populytics is also leading an effort to bring LVHN and Populytics services directly to our regional employers. The pharmacy team has been instrumental in building recommendations for pharmacy benefit design and formulary management.

Process improvements have been essential for the team to accommodate increased demands. To focus on growing health plan costs for both LVHNHP and external clients, Populytics has developed a managed care pharmacist role. The team has also partnered with LVHN Integrated Care Coordination (ICC) and LVHN Information Services to enhance pharmacy documentation in Epic. Additionally, the team has worked with University of South Florida (USF) SELECT medical students to help determine the effectiveness of newer weight-loss medications for the LVHNHP population. Major improvements for payer partners have led to greater productivity for medication therapy management and transition of care consultation to clinical pharmacists. Looking toward FY23, more team expansion is planned to grow the depth and breadth of services offered to the LVHN Employee Health Plan population, LVPHO, contracted commercial payer partners and regional employers.

INCREASE IN COST
AVOIDANCE
FROM PREVIOUS YEAR

60%

INTERVENTIONS
ACROSS ALL
PROGRAMS

7,708

LVHN PHARMACY SERVICES VISION AND STRATEGY

Pharmacy Services supports LVHN's vision of providing access to superior health care for our entire community. We embrace this vision and use it to align our strategic priorities in the areas of integration, growth, coordination of care and innovation. To succeed, we are guided by the Quadruple Aim, a framework that helps us produce better health, better care, better cost, and a better colleague experience.

FISCAL YEAR 2023 TACTICS

COLLEAGUE ENGAGEMENT

- Review Fiscal Year 2022 survey results with colleagues
- Gather ideas to advance the colleague experience and execute action plans

PATIENT EXPERIENCE

- Work with the NRC Health to improve every aspect of our health care experience
- Continue to implement project pilots and pharmacy strategies impactful to HCAHPS ratings
- Expand and streamline bedside prescription delivery, Transitions of Care (TOC) offerings, and curbside prescription delivery to appropriate hospital campuses
- Work with the Experience Lab to engage colleagues in our partners in caring journey of imagining, designing and bringing to life a new kind of experience for our colleagues, clinicians, patients and guests.

GROWTH

- LVH–Muhlenberg emergency department and hospital expansion
- Continue planning for Neighborhood Hospitals, LVH–Pocono West, and a Behavioral Health Hospital
- Continue to work on the expansion of 17th & Chew, pharmacy-based infusions at 2024, and evaluate providing retail pharmacy services at LVH–Hazleton
- Explore contract pharmacy opportunities, and converting select LVPG practices to hospital-based status

INTEGRATION AND TRANSFORMATION

- Continue to integrate policies and all hospital formularies into one health-system formulary
- Prepare for RRC to DSH conversion at the LVH–Cedar Crest site
- Utilize AllSpire Pharmacy Clinical Collaborative meetings to continue sharing best practices

COST SAVINGS

- Continue to drive impactful value-based reductions in over utilization
- Optimization of the 340B program including sub-340B pricing and 340B-like pricing
- Utilize HealthTrust and the AllSpire Pharmacy Collaborative to drive savings
- Revise the Specialty Pharmacy medication delivery model to save cost while gaining operational efficiency

TECHNOLOGY AND INNOVATION

- Implement Epic's Dispense Prep IV room workflow technology and Omnicell Carousels at LVH–Cedar Crest.
- Upgrade Pyxis medication cabinets to Omnicell XT at Schuylkill
- Continue to implement Kit Check's automated medication tray and cart management system, convert B Braun Pumps to ICU Medical and rollout AeroScout at LVH–Pocono, Hazleton and Schuylkill
- Work with technology to enhance the pharmacy TOC process to allow for expansion and data analysis

COMPLIANCE AND ACCREDITATION

- Stay current with sterile compounding standards, identify gaps and execute plans to close the gaps
- LVH–Cedar Crest and Pocono cleanroom upgrades to meet UPS 797/800 standards
- HRSA Audit preparation for all hospital campuses and follow-through on any audit corrective action plans
- Begin the ACHC accreditation process for the Specialty Pharmacy Division
- Achieve URAC reaccreditation on 4.0 standards for the Specialty Pharmacy Division

PHARMACY SERVICES STAFF

LOCATION	POSITION	FTE
LVH-Hazleton	Pharmacists	10
	Pharmacy Techs	9.4
		19.4
LVH-Schuylkill	Pharmacists	11
	Pharmacy Techs	10.31
	Interns	0.04
	Additional Staff	1
		22.35
LVH-Pocono	Pharmacists	17.62
	Pharmacy Techs	14.31
	Interns	0.03
	Additional Staff	1
		32.96
LVH-Muhlenberg	Pharmacists	12
	Pharmacy Techs	15.45
	Interns	0.97
	Other	6.13
		34.55
MPA/MPS	Pharmacists	7.4
	Pharmacy Techs	5
		12.4
LVH-Cedar Crest	Pharmacists	50.28
	Pharmacy Techs	52.64
	Interns	2.08
	Residents	2
	Other	16.12
	Other (mgmt.)	5
		128.12
LVH-Dickson City	Pharmacists	6.9
	Pharmacy Techs	6.8
	Interns	0.1
	Other	2
		15.8

LOCATION	POSITION	FTE
LVH-Hecktown Oaks	Pharmacists	4.66
	Pharmacy Techs	4.68
	Other	2
		11.34
LVPS Retail	Pharmacists	23
	Pharmacy Techs	27
	Interns	1.2
	Medical Supply Specialists	3.6
	Additional Staff	2
		56.8
LVPS Specialty	Pharmacists	5
	Pharmacy Techs	8
	Additional Staff	1
		14
LVPS Home Infusion	Pharmacists	5
	Pharmacy Techs	2.51
	Nurse Clinicians	2
	Delivery Techs	3.41
	Patient Services Coordinators	1
	Financial Coordinators	2
	Inventory Coordinator	1
		16.92
LVPS Billing	Accounts Receivable Specialists	1.01
	Financial Coordinators	4
	Additional Staff	3
		8.01
LVMS	Medical Supplies Specialists	2

PRESENTATIONS/PUBLICATIONS/POSTERS

PUBLICATIONS

Jason Laskosky

- Beauchamp GA, Hanisak JL, Amaducci AM, Koons AL, Laskosky J, Maron BM, McLoughlin TM. Perioperative Management of Patients on Maintenance Medication for Addiction Treatment: The Development of an Institutional Guideline. AANA J. 2022;90(1):50-57

Kristin Held Wheatley

- Campbell CT, Wheatley KH, Svoboda L, Campbell CE, Norris KR. Strategies for implementing pediatric dose standardization: considerations for the Vizient University Health System Consortium Pharmacy Network Pediatric Pharmacy Committee. J Pediatr Pharmacol Ther. 2022;27(1):19-28.

PRESENTATIONS

Matthew Fair

- Opioid Prescribing in the Hospital Setting – presented to incoming medical residents (July 2021)
- Benzodiazepine Use and Falls in Older Adults – CE presentation to LVH network pharmacy staff (March 2022)

Jason Laskosky

- Analgesic Prescribing in the Post-Operative Setting – presented to LVHN surgical residents

Kristin Held Wheatley

- Lending a Hand: Implementation and Expansion of Handshake Stewardship in Pediatrics. Vizient Pharmacy Network Antibiotic Awareness Week, Virtual. November 2021.

Laura Koons

- How to Minimize Phone Calls 101 – Grand Rounds presentation to the ED residents, August 2021

Jarrold Kile

- COVID-19 Outpatient Therapeutics – Jarrold Kile, RPh., BCPS and Ashley Marx, PharmD, BCPS, BCIDP – Virtual and Pharmacist CE credit – Vizient – February 24, 2022
- What is That?!? An Antibigram – LVHN Project ECHO videocast: ANCC/CE/CME credits – January 21, 2022
- ABCs of Beta-Lactam Antibiotics – LVHN Project ECHO videocast: ANCC/CE/CME credits – September 17, 2021

Jessica Price

- Pharmacy Pearls – presented to LVHN Psychiatry Residents; 1.0 hour, June 15, 2022

Sara Frey

- Case Presentation: Med List a Mile Long – presented to clinical pharmacists
- Fetroja (Cefiderocol) – presented to LVPG infectious disease nurses
- Case Presentation: Do US What I C(rohn's)? – presented to clinical pharmacists
- Inpatient Hyperglycemia Learning Lab – clinical pharmacists and family medicine residents
- Communication Strategies – Wilkes' University students
- Just Culture – presented to clinical pharmacists
- Antibiotic Learning Lab – clinical pharmacists and family medicine residents
- Case Presentation: Atypical GIB – presented to clinical pharmacists
- Evaluation of the non-pulmonary benefits after initiation of elexacaftor/tezacaftor/ivacaftor – MEPSHP Night of the Residents
- Evaluation of the non-pulmonary benefits after initiation of elexacaftor/tezacaftor/ivacaftor – Eastern States Residency Conference
- NICU Transport Box Education – NICU nursing and providers
- Case Presentation: Methotrexate Toxicity – presented to clinical pharmacists
- Antibacterial Prophylaxis in Pediatric Cancer (ACPE) presented to clinical pharmacists
- Patient Case: Don't Sugar Coat It – Hyperglycemia Control in COVID-19 – presented to clinical pharmacists
- Patient Case: Diabetes Management – An Extra Sweet Case – presented to clinical pharmacists
- Inpatient Hyperglycemia Management – presented to family medicine residents
- Communication Strategies and Patient Education Development – presented to Wilkes' University Students
- Antibiotic Review – presented to family medicine residents

Megan Taylor

- Accountability Review and PSR Updates – presented to clinical pharmacists
- Patient Case: Bypassing Medication Errors – presented to clinical pharmacists
- Evaluation of Vancomycin Prescribing in Pediatric Patients Following Implementation of a Sepsis Pathway and Orderset (ACPE) – MEPSHP Night of the Resident
- Dexmedetomidine in Neonatal HIE – presented to NICU Quality Improvement Team
- Evaluation of Vancomycin Prescribing in Pediatric Patients Following Implementation of a Sepsis Pathway and Orderset – Eastern States Residency Conference
- Debunking Beta Lactam Allergies: A Practical Approach to De-labeling (ACPE) – presented to clinical pharmacists

POSTERS

Kristin Held Wheatley

- Frey S, Wheatley KH. Medication use evaluation of ceftriaxone dosing in pediatric patients. American Society of Health-System Pharmacists Midyear Clinical Meeting, Virtual. December 2021.

Jarrold Kile

- Do Virtual Visits Have an Effect on Outpatient Antibiotic Prescribing for URIs? – Sydney Harris, Eric T. Young, M.D. Jarrod W. Kile, RPh, BCPS, Kathryn Zaffiri, MPH – LVHN Research Summer Scholar Program; Allentown PA – August 2021

Sara Frey

- Medication Use Evaluation of Ceftriaxone Dosing in Pediatric Patients – Vizient and ASHP Poster Presentation

Megan Taylor

- Medication Use Evaluation: Sacubitril/Valsartan Prescribing Patterns – Vizient and ASHP Poster Presentation

JOURNAL CLUB

Sara Frey

Oral Rimegepant for Preventive Treatment of Migraine

- Hydrocortisone and BPD

Megan Taylor

- SOLOIST-WHF

- PARADISE MI

- Steroids in Status Asthmaticus

- Belatacept Extended Dosing in Kidney Transplant

CLINICAL PEARLS

Sarah Reightler

- Tocilizumab vs. Baricitinib

Sara Frey

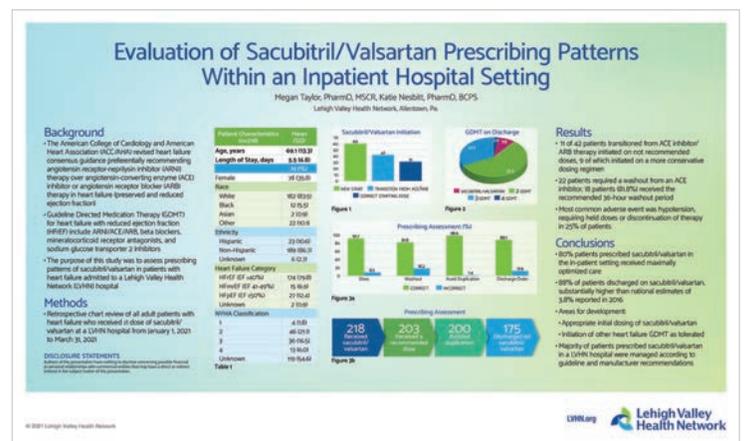
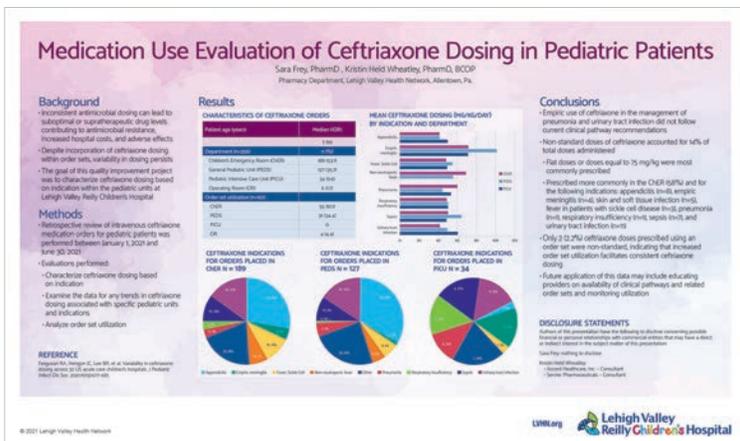
- Parkinson's Disease Psychosis

- Augmentin dosing in Pediatric Patients

Megan Taylor

- Insulin for Hypertriglyceridemia Induced Pancreatitis

- Heparin in COVID-19 Dosing Updates





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