

2020-2021 Program
Information



Department of Veterans Affairs

VISN 15 Heartland Network (Kansas City, Mo)



Accredited

Post Graduate-Year 2 (PGY2)

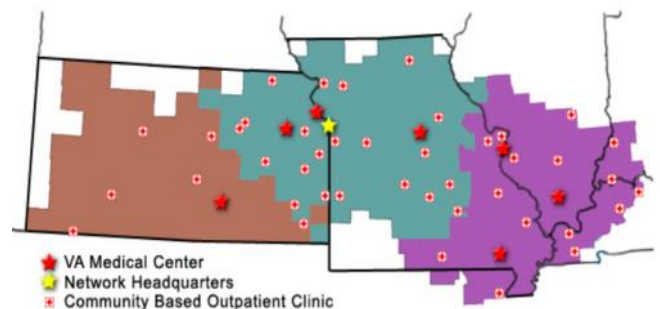
Population Health Management and Data Analytics Residency

Healthcare evidence integration and data analytics are evolving areas within the healthcare industry. As the prevalence of electronic health records, integration of health systems, and emphasis on business intelligence increases as well as the need to monitor health outcomes, the demand for clinically competent healthcare pharmacy benefits managers and data analysts will become greater. The VA Heartland Network (VISN 15) PGY2 Population Health Management and Data Analytics Residency Program will help to meet this demand through its innovative approach to training and education. This PGY2 program is designed to develop accountability, practice patterns, habits, and expert knowledge, skills attitudes and abilities to meet the needs of this advanced area of pharmacy practice.

The purpose of the VA Heartland Network (VISN 15) PGY2 Population Health Management and Data Analytics Residency Program is to develop clinically proficient pharmacy benefits managers who will improve the quality and outcomes of patient care services through the integration of evidence-based population health management, formulary management, outcomes analysis, and process improvement. The resident will gain advanced skills in population health management, informatics, and data analytics to ensure successful pharmacy services in integrated health systems. While special emphasis is placed on developing residents for VA careers, the residency will encourage each resident's intellectual and personal development and foster the development of lifelong learners committed to advancing the profession of pharmacy.

VA Heartland (VISN 15) Network

The VA Heartland Network is the regional unit that directs activities for Veteran Integrated Service Network (VISN) 15. The VA Heartland Network is one of 18 VISNs in the Veterans Health Administration (VHA). It is composed of seven integrated healthcare systems that include 9 medical centers (all provide ambulatory care services), 56 community-based outpatient clinics (CBOCs), 7 long-term care facilities, and numerous specialized



services. The VA Heartland Network spans a geographic area of 162,207 square miles across Kansas and Missouri, as well as parts of Illinois, Indiana, Kentucky and Arkansas. VISN 15 provides health care services to over 275,000 Veterans annually and has an annual operating budget of \$2 billion with 11,000 employees. VA Heartland Network is one of the only VA networks in the country to be endorsed by the National Committee for Quality Assurance (NCQA).

VA Heartland Network 15 Pharmacy Benefits Management

Mission:

“To improve the quality and provision of healthcare to veterans by leveraging best practice outcomes, health analytics, and optimal use of medications.”

Vision:

We will build and enhance relationships and collaborations with all members of the healthcare team.

We will control costs to the best of our ability while maximizing the value of medications for our veterans.

We will utilize the most evidence-based biomedical literature to improve veteran outcomes.

We will promote quality measures and metrics to hold ourselves accountable for the care we provide.

We will advance the use of innovative data technologies to ensure safe and optimal care is being consistently provided to our veterans.

PGY-2 Program Vision and Purpose

The PGY2 residency in Population Health Management and Data Analytics builds upon PGY1 residency graduates' competence in the delivery of patient-centered care and support of optimal medication therapy outcomes. The residency trains pharmacists to integrate health information, evidence-based medicine, outcomes measurement, and data analytics to inform decisions surrounding pharmacy services and population health management. Graduates are adept in discovering and optimizing synergy between clinical knowledge, information technology, and pharmaceutical operations, equipping them to function in a multifaceted professional environment and lead change to improve patient outcomes.

Graduates of this program will become skilled in concepts of population health management, applied pharmacoeconomic principles, and data analytics, thereby enabling them to create, implement, and optimize population health care initiatives designed to improve health outcomes of patients covered by government, managed care, or public/private health care systems, agencies, companies, and organizations.

Program Outcomes:

1. Demonstrate effective leadership and practice management skills in the areas of administration, analytics, informatics, and outcomes.
2. Optimize patient outcomes through the provision of evidence-based, patient-centered therapy and fostering effective decision support as an integral part of interdisciplinary healthcare teams. Provide medication and practice-related information, education, and/or training
3. Serve as an authoritative resource on the optimal use and development of analysis tools, formulary management, and pharmacy outcomes.
4. Demonstrate excellence in the provision of training and educational activities for health care professionals, health care professionals in training, and the public.
5. Demonstrate the technical skills essential to the role of a pharmacist specializing in pharmacy outcomes and healthcare analytics.
6. Understand a pharmacy benefits management structure and contribute to the organization's formulary management.
7. Contribute to the body of pharmacotherapy knowledge by conducting outcomes-based research or quality improvement projects with the assistance of analysis tools.

Core Rotation Experiences

The residents are scheduled for experiences throughout the year in order to allow for learning in various areas. The learning experiences are longitudinal in structure. To successfully complete the program, the resident will be expected to achieve proficiency in the required critical objectives and 'Satisfactory Progress' rating on non-critical required objectives

The core rotations will be in the areas of:

- ◆ **Data Management and Analytics**
- ◆ **Pharmacy Benefit Design and Formulary Management**
- ◆ **Population Health Management**
- ◆ **Pharmacy Practice Foundation, Service, and Policy Development**
- ◆ **Clinical Research Project**

Data Management and Analytics

The resident will learn and apply a variety of data skills from Excel analytics, database extraction, and on final product development such as creation and maintenance of electronic dashboards and reports. Knowledge and applied use of query languages will be taught and developed for interacting with relational databases. The resident will become proficient in advanced Excel functions, including, but not limited to writing functions with various commands and creating pivot tables to analyze data. The resident will also learn to work proficiently in business intelligence (BI) platforms (PowerBI, Pyramid Analytics). Upon graduation from the program, the resident will have an overall understanding of the VA health data repository enterprise architecture data warehouse structure applied to VISN

15. This will include specialized knowledge of use of BI platforms, collaborative development environments, digital report

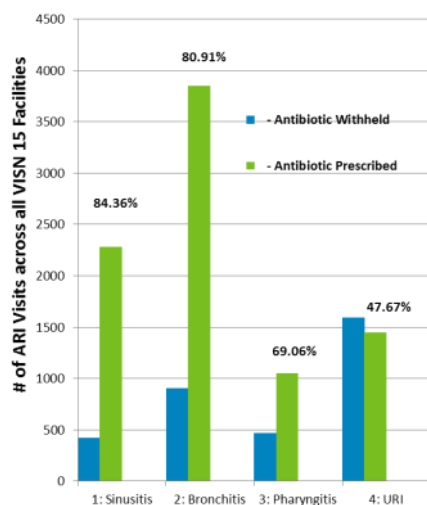
development and maintenance, and formulating, executing, and revising plans and coding procedures for database searches using SQL.

| | # of Patients NOT on a Statin by Indication | | | | | | % of Patients ON on a Statin by Indication | |
|-------------------|---|---------------|----------|-----------------------|--------------------------|-----------------------|--|-----------------------|
| | Total | ASCVD History | High LDL | DM + (HTN or Tobacco) | High 10 Year Risk (>12%) | Moderate 10 year Risk | ASCVD History | DM + (HTN or Tobacco) |
| Medical Center #1 | 8729 | 1456 | 244 | 1951 | 6125 | 1805 | 75.6% | 71% |
| Medical Center #2 | 6899 | 1195 | 190 | 1734 | 4652 | 1548 | 71.4% | 65.5% |
| Medical Center #3 | 7867 | 1475 | 262 | 1953 | 4982 | 1723 | 73.4% | 69.1% |
| Clinic #1 | 399 | 82 | 6 | 108 | 261 | 77 | 75.9% | 71.1% |
| Clinic #2 | 217 | 37 | 9 | 62 | 150 | 35 | 79.9% | 70.3% |
| Clinic #3 | 475 | 87 | 23 | 97 | 318 | 92 | 73% | 67.3% |
| Clinic #4 | 130 | 19 | 3 | 23 | 93 | 20 | 74.3% | 75% |
| Clinic #5 | 430 | 91 | 26 | 100 | 296 | 74 | 72% | 70.3% |
| Clinic #6 | 261 | 50 | 10 | 81 | 173 | 44 | 77.3% | 66.4% |
| Clinic #7 | 5401 | 983 | 163 | 1346 | 3340 | 1286 | 72.6% | 68.8% |
| Provider #1 | 1 | 0 | 0 | 0 | 1 | 0 | 100% | 100% |
| Provider #2 | 50 | 3 | 4 | 8 | 8 | 33 | 25% | 46.7% |
| Provider #3 | 12 | 0 | 1 | 0 | 5 | 6 | 100% | 100% |
| Provider #4 | 224 | 48 | 4 | 55 | 145 | 48 | 66.7% | 70.6% |
| Provider #5 | 278 | 44 | 5 | 67 | 193 | 57 | 67.4% | 59.9% |

Pharmacy Benefits Design and Formulary Management

The resident will gain experience in integrated health systems formulary management through involvement in all levels of VHA Formulary decision making. Through various activities, the resident will understand the complete cycle of pharmaceutical contract negotiation, drug ordering and procurement, and

| Pharmacy Location | # Total Patients | Reduced Renal Function | Critical Drug Interaction | Over 75 and Not on Apixaban | Hgb/PLT/Sr >1 Year Old | Valve Replacement | Abnormal Hgb/PLT /LFTs | Long-Term High Dose Apixaban for PE/DVT | > Two Weeks Late for Refill | BMI > 40 or Wt. > 120 kg or Wt. < 50 kg |
|-------------------|------------------|------------------------|---------------------------|-----------------------------|------------------------|-------------------|------------------------|---|-----------------------------|---|
| Medical Center #1 | 489 | 25 | 2 | 87 | 17 | 4 | 34 | 3 | 42 | 100 |
| Medical Center #2 | 733 | 32 | 3 | 112 | 13 | 7 | 55 | 4 | 75 | 134 |
| Medical Center #3 | 640 | 4 | 0 | 23 | 25 | 0 | 31 | 3 | 85 | 119 |
| Medical Center #4 | 331 | 13 | 0 | 66 | 19 | 0 | 28 | 2 | 26 | 71 |
| Medical Center #5 | 568 | 41 | 2 | 161 | 83 | 2 | 55 | 4 | 77 | 88 |
| Medical Center #6 | 485 | 8 | 7 | 114 | 2 | 0 | 25 | 4 | 32 | 67 |
| Medical Center #7 | 340 | 16 | 1 | 61 | 8 | 0 | 29 | 0 | 33 | 66 |
| Medical Center #8 | 625 | 28 | 1 | 36 | 32 | 5 | 56 | 6 | 66 | 123 |
| Total | 4211 | 167 | 16 | 660 | 199 | 18 | 313 | 26 | 436 | 768 |



monitoring contract compliance. The resident participates in VISN 15 Formulary Management Workgroup and VISN Pharmacy & Therapeutics Committee, and collaborates with operational and clinical pharmacy staff throughout VISN 15 to implement VHA Formulary decisions and cost saving strategies. The resident will develop skills in practical application of pharmacoeconomic principles, outline and implement methodologies to assess pharmaceutical-related economic and clinical health outcomes, improve contract

compliance to achieve maximum savings, render prior authorization decisions, and implement national formulary and utilization management decisions at VISN and facility levels. The resident will focus on developing initiatives that involve operational and clinical pharmacy staff to engage in cost savings initiatives. The resident will also apply knowledge of the VHA drug benefit and market trends to design drug utilization analyses, track cost savings/cost avoidance, and to forecast yearly pharmacy budgets.

Population Health Management

During this longitudinal learning experience, the resident will gain foundational population health management knowledge, with an emphasis on utilizing clinical pharmacy services to address important gaps in care that exist in cohorts of a health system's patient population.

The resident will participate in the life-cycle of a population health initiative by identifying a gap in care within the patient population served by VISN 15 enrollees through both evidence based literature evaluation and detailed

analytics, apply literature research and evaluation to identify best treatment approaches to patients with the identified gap(s), develop a population management tool to assist clinical personnel to identify and prioritize filling those gaps, and work with all stakeholders to implement the tool.

Intrinsic to the process, the resident will also define Specific, Measurable, Attainable, Relevant and Time-based (SMART) goals

for a major longitudinal project by which milestones can be set and evaluated for success and continuous quality improvement. The resident will engage clinical staff to adjust approaches based on SMART goals performance results.



Pharmacy Practice Leadership, Foundation,

The resident is fully integrated into the VISN 15 PBM work unit, contributes to the development and achievement of pharmacy goals at the local, VISN, and National levels, and applies key principles of leadership to improve practice within the health system.

This experience is designed to expose the resident to leadership nomenclature,

key principles, tools, and available resources that will assist them in growing as clinicians, practitioners, and leaders. Emphasis will be placed on creating strategic plans, effective communication, networking, mentoring, clinical and operational service leadership, managing available resources/opportunities, oversight and preparation for regulatory compliance, manag-

ing finances, medication safety and various programs/activities designed to develop the resident's pharmacy practice/leadership foundation.

The overarching goal of this longitudinal experience is to enable the resident to apply the knowledge gained to any pharmacy practice setting to improve their individual practice and confidently utilize leadership skills.

Clinical Research Project

This learning experience is designed to develop, execute, and report results of investigations of pharmacy practice-related issues. The resident will be responsible for obtaining experience in all areas of a research or quality improvement project including development of a hypothesis, submission of a This learning experience is designed to develop, execute, and report results of investigations of pharmacy practice-related issues. The resident will be responsible for obtaining experience in all areas of a research or quality improvement project including development of a hypothesis, submission of a deadlines and IRB approval. Residents will be encouraged to conduct outcomes-based research or quality improvement projects, preferably incorporating the skills learned from other rotations and

building a new analysis tool that will assist in the data mining component of the project. In addition to the manuscript, residents are required to present a project poster at the annual Midwest Pharmacy Residents Conference or other conference approved by preceptors.

Additional Skills Development

- ◆ Pharmacy Teaching Certificate through the University of Missouri—Kansas City
- ◆ Didactic Teaching and Student Preceptorship
- ◆ Lean Yellow and Green Belt Certification
- ◆ Board Certification Review Sessions and Study Groups

Meet The Program



Monica Schaefer, PharmD

Residency Program Director

VISN 15 Pharmacy Program Manager

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Preceptor for:

- Population Health Management
- Pharmacy Benefit Design and Formulary Management
- Clinical Research Project



Shauna Leonard, PharmD

VISN 15 Pharmacy Executive

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Preceptor for:

- Pharmacy Foundation and Leadership



Patrick Spoutz, PharmD, BCPS

VISN 20 Academic Detailer

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Preceptor for:

- Data Management and Analytics
- Clinical Research Project



Chris Sedgwick, PharmD, BCPS

VISN 15 Pharmacy Analytics Program Manager

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Preceptor for:

- Data Management and Analytics



Andrea Chen, PharmD

VISN 15 Academic Detailing Program Manager

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Preceptor for:

- Population Health Management



Mark Patterson, PhD, MPH

Assistant Professor of Pharmacy Practice & Administration at the University of Missouri - Kansas City School of Pharmacy

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Preceptor for:

- Clinical Research Project



Colleen Lewellyan, PharmD, MBA

Kansas City VA Pharmacoeconomics Program Manager

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Preceptor for:

- Data Management and Analytics
- Pharmacy Benefit Design and Formulary Management



Ashleigh Wallace-Lacey, PharmD

Current PGY2 Resident

Ashleigh.Wallace@va.gov

PGY1: St. Louis VA

Department of Veterans Affairs

VA Heartland (VISN 15) Network

1201 Walnut St. Suite #800
Kansas City, MO 64106

Primary Contact:

Phone: 816-701-3000 or 3059
E-mail: Monica.Schaefer@va.gov

Positions Available:

One (1) PGY2 Resident
National Match ID#: 697481

Program Website:

https://www.visn15.va.gov/services/V15_Pharmacy_Residency_Program.asp

All application and supplemental materials should be submitted via the PhorCAS system: <http://www.ashp.org/phorcas>

Application forms OF306 and 10-2850d can be found at: <http://www.va.gov/oaa/app-forms.asp>

Application must be submitted by:

January 10, 2021

Candidates will be ranked according to the National Match Program. This residency site agrees that no person at this site will solicit, accept, or use any ranking-related information from any residency applicant. Information about registering for the Match can be found at: www.natmatch.com/ashprmp



Benefits:

- ◆ Competitive stipend: \$45,474
- ◆ Eligible for medical and life insurance as a VA employee
- ◆ Thirteen (13) days each of annual leave and sick leave, ten (10) paid federal holidays
- ◆ Teaching certificate, Health Analytics Certification Course, Academic Detailing Basic Skills training

Qualifications:

- ◆ United States citizen
- ◆ Graduated from an ACPE accredited school of pharmacy with a Doctor of Pharmacy degree
- ◆ Possess a valid US pharmacist license
- ◆ Complete a first-year pharmacy practice residency or equivalent experience

Application:

- ◆ Letter of Intent
- ◆ Curriculum Vitae
- ◆ Three (3) professional letters of references
- ◆ OF 306 – Declaration for Federal Employment
- ◆ Application for Health Professions Trainees VA Form 10-2850d
- ◆ Official College of Pharmacy Transcript(s)

VA Heartland (VISN15) Network Office



The PGY2 Pharmacy Outcomes and Healthcare Analytics Residency is located at the VA Heartland Network (VISN 15) Executive offices at 1201 Walnut Street in downtown Kansas City, MO. The building is located in the central business district. Renowned restaurants, lounges and shops intertwine with chic lofts and the city's core business community, all within an eight-block area. A unique system of covered walkways connects 1201 Walnut with buildings spanning more than six city blocks. This climate-controlled environment provides a pleasant walk, regardless of the weather. In addition, access to the building's attached parking garage is provided so there is no need to worry about finding a parking space. Free access to the property's fitness center is also provided.