

# Brigham and Women's Hospital

PGY2 Infectious Diseases Pharmacy Residency

## Brief Hospital and Pharmacy

### Department Overview

Brigham and Women's Hospital, located in Boston's Longwood Medical Area, is an 812-bed nonprofit teaching affiliate of Harvard Medical School and a founding member of Mass General Brigham (formerly Partners HealthCare). BWH is named to the Best Hospitals Honor Roll by US News & World Report. The Department of Pharmacy provides services to inpatient, outpatient, and satellite clinic locations throughout the Boston area. The department is regarded as an innovator and leader in medication safety technology, clinical information systems, and clinical pharmacy services at the local and national level.



## General Information

The Department of Pharmacy at Brigham and Women's Hospital offers a specialized residency in infectious diseases pharmacy practice. This one-year program is designed to provide advanced training in the area of infectious diseases pharmacotherapy and research.

## Program Fundamentals

The primary emphasis of the infectious diseases residency is to develop clinicians with expertise in pharmacotherapy of infectious diseases management. Over the course of the year, the resident will gain experience in the management of patients with infectious diseases, lead a comprehensive research project, strengthen their communication skills through formal and informal presentations and interactions with other healthcare providers in a variety of settings, and participate in infectious diseases and pharmacy-related interdisciplinary hospital committees. In addition, the resident will enhance their teaching skills by precepting pharmacy practice residents and students on infectious diseases rotations.

Residents will rotate through all aspects of infectious diseases at Brigham and Women's Hospital, as well as one rotation at another Mass General Brigham acute care institution (i.e., Massachusetts General Hospital).

For additional information on resident learning experiences, additional required activities, application process, and other specific program details please see the [Pharmacy Residency Manual](#). You can also check us out on Twitter [@BrighamPharmacy!](#)

# Brigham and Women's Hospital Overview



Brigham and Women's Hospital is an 812-bed, tertiary-care, academic medical center in Boston, Massachusetts. It is a major teaching hospital of Harvard Medical School and part of Mass General Brigham, a single, integrated health care system that consists of 16 institutions that encompass a range of health care organizations. The hospital provides a broad range of clinical services and specialties including cancer care, cardiology and heart surgery, endocrinology, gastroenterology and GI surgery, geriatric care, obstetrics and gynecology, neonatology, nephrology, neurology and neurosurgery, orthopedics, pulmonology, rheumatology, transplantation, and urology.



The Department of Pharmacy Services is dedicated to placing a priority on patient care and safety, promoting research and education, and integrating technology innovation with clinical services. The department is composed of approximately 200 employees providing services to many different areas, including: inpatient and outpatient services, investigational drug services, perioperative area, multiple sclerosis center, sterile products division, infectious diseases, renal, heart, and lung transplant clinics, anticoagulation management service, and emergency department. Pharmacists provide clinical and distributive services through an integrated, patient-centered, unit-based, decentralized pharmacy practice model. The department offers an ASHP-accredited PGY1 [general pharmacotherapy residency](#) and six different PGY2 specialty pharmacy residencies in infectious diseases, [cardiology](#), [critical care](#), [emergency medicine](#), [investigational drug and research](#), and [thrombosis and hemostasis management](#).



The Division of Infectious Diseases within the Department of Medicine is comprised of five inpatient consultation teams: two general ID teams, two transplant/immunocompromised ID teams, and one combined HIV/general medicine ID team. The consultation teams are comprised of an attending physician, an ID fellow or ID-trained physician's assistant, and often clinical ID pharmacists, pharmacy residents, pharmacy students, medical residents, and/or medical students. The integrated ID Physician Fellowship Program with Massachusetts General Hospital trains physicians in infectious diseases clinical care, teaching, diagnostic microbiology, and research. The division also provides ambulatory care and has a dedicated outpatient parenteral antimicrobial therapy (OPAT) service. ID pharmacists and ID physicians work closely together on a variety of committees, quality improvement projects, and system-wide initiatives. Additionally, ID pharmacists provide drug expertise for the Division in cases of complex pharmacological problems.



As a Harvard teaching hospital, Harvard-wide conferences and meetings with Massachusetts General Hospital, Beth Israel Deaconess Medical Center, and Boston Children's Hospital provide opportunities for inter-institutional networking and learning. BWH infectious diseases pharmacists are also part of an informal network of ID pharmacists from the multitude of hospitals in the greater Boston area which meet several times throughout year.

# PGY2 Residency Program Overview

The BWH residency programs are all one-year programs that provide diverse rotations in many areas of specialization and offer experience in the provision of adult patient-centered care. The scheduling of resident rotations includes a combination of required and elective rotations to ensure that the resident is exposed to a variety of patient populations, medications, disease states, ranges of complexity, and interdisciplinary team members.

All incoming PGY1 residents and any external PGY2 residents will complete a required orientation learning experience with the Brigham and Women's Pharmacy Department. This introductory training experience will prepare the resident to perform the job functions as required as a pharmacist in the department. This will also serve to provide administrative insights into the provision of pharmacy services within the hospital and to contribute to perspectives for subsequent participation in clinical and/or administrative project activities. All early commit PGY2 residents will undergo an orientation to the PGY2 program outlining expectations, program structure, and responsibilities.

The learning experiences listed on page 4 comprise the required residency experiences for the program. External residents will be provided 2 elective rotations, while early commit residents will be provided 3 elective rotations (unless otherwise discussed with the RPD/residency coordinator). All required and elective learning experiences are listed on page 4.

For additional information on resident learning experiences, additional required activities, and other specific program details please see the [Pharmacy Residency Manual](#)



## ASHP Accreditation

- Candidate status



## Positions Available

- One PGY2 ID position



## Duration

- One year
- July 1<sup>st</sup> - June 30<sup>th</sup>



## Stipend/Benefits

- ~\$65,900
- Health/dental/vision/life insurance
- 403(b) retirement plan
- Paid time off (PTO)

# PGY2 Infectious Diseases-Specific Program Overview

Throughout the year, in addition to rotation learning experiences, the PGY2 infectious diseases resident may have the opportunity to:

- Co-precept PGY1 pharmacy residents and/or students on advance practice pharmacy experiences
- Lead or facilitate topic discussions, journal clubs, and case presentations
- Educate the infectious diseases physician fellows during morning teaching sessions
- Prepare bi-monthly in-services for the pharmacy department on infectious diseases-related topics
- Develop a 1-credit continuing education program for the pharmacy department approved by the pharmacy department's ACPE-accredited CE committee
- Deliver didactic education in the infectious diseases pharmacotherapy course at the Northeastern University School of Pharmacy



- Choose their own longitudinal project if it fits the institution's needs and they are passionate about a particular topic. Alternatively, they may also pick from proposals that have been peer-reviewed by a pharmacy committee with research experience
- Develop the proposal for submission to the MGB institutional review board and present to the pharmacy peer review committee
- Present their research results at a national conference and/or publish in a peer-reviewed journal



- Staff the Antimicrobial Approval and Advice pager for at least one week
- Complete a medication use evaluation on an antimicrobial of interest
- Create or update an infectious diseases guideline for BWH or Mass General Brigham
- Create or update a drug monograph for an antimicrobial agent to be used at BWH



- Serve as secretary of the BWH Antimicrobial Subcommittee
- Participate in the BWH Laboratory Stewardship Committee and the Mass General Brigham Antimicrobial Stewardship and Infectious Diseases Quality Collaborative



## Current BWH PGY2 Infectious Diseases Residents



**Besen Sanga, PharmD**



**Shahad Alghamdi, PharmD**

## Infectious Diseases PGY2 Residency Leadership Team



**Jeffrey Pearson, PharmD, BCIDP, FIDSA**

Advanced Practice Pharmacy Specialist, Infectious Diseases  
PGY2 Infectious Diseases Pharmacy Residency Program Director  
[jcpearson@bwh.harvard.edu](mailto:jcpearson@bwh.harvard.edu)

**David Kubiak, PharmD, BCPS, BCIDP, FIDSA**

Advanced Practice Pharmacy Specialist, Infectious Diseases  
PGY2 Infectious Diseases Pharmacy Residency Coordinator



**Brandon Dionne, PharmD, BCPS-AQ ID, BCIDP, AAHIVP**

Clinical Pharmacy Faculty – Infectious Diseases  
PGY2 Infectious Diseases Pharmacy Residency Coordinator

# Past BWH PGY2 Infectious Diseases Residents

**2023-2024**



**Nora Danielle Gadri, PharmD**

**2022-2023**



**Eric Gillett, PharmD, BCIDP**

*Senior Pharmacist, Outpatient Infectious Diseases*  
Brigham and Women's Hospital

# Infectious Diseases Rotations and Preceptors

Required Rotations	Preceptor(s)
<b>Infectious Diseases General Consult</b>	Jeffrey Pearson, PharmD, BCIDP David Kubiak, PharmD, BCPS, BCIDP Brandon Dionne, PharmD, BCIDP, AAHIVP
<b>Infectious Diseases Immunocompromised Consult</b>	Jeffrey Pearson, PharmD, BCIDP David Kubiak, PharmD, BCPS, BCIDP
<b>Infectious Diseases Advanced Consult</b>	Jeffrey Pearson, PharmD, BCIDP David Kubiak, PharmD, BCPS, BCIDP
<b>Antimicrobial Stewardship (BWH)</b>	Jeffrey Pearson, PharmD, BCIDP David Kubiak, PharmD, BCPS, BCIDP
<b>Infection Control</b>	Michael Klompas, MD, MPH
<b>Microbiology</b>	Nicole Pecora, MD, PhD
<b>HIV Clinic</b>	Brandon Dionne, PharmD, BCIDP, AAHIVP Eric Gillett, PharmD, BCIDP
<b>Outpatient Parenteral Antimicrobial Therapy (OPAT)</b>	Eric Gillett, PharmD, BCIDP
<b>Academia</b>	Brandon Dionne, PharmD, BCIDP, AAHIVP
<b>Advanced Integrated Clinical Pharmacy Practice</b>	Jeffrey Pearson, PharmD, BCIDP David Kubiak, PharmD, BCPS, BCIDP

Available Elective Rotations	Preceptors
Allergy	A full list of pharmacist preceptors at BWH with photos and titles can be found <a href="#">here</a>
Burn/Trauma ICU	
Coronary Care ICU	
Emergency Medicine	
Investigational Drug Services	
Lung Transplant	
Medical ICU	
Medication Safety	
Surgical ICU	
Thoracic ICU	
<b>MGH Antimicrobial Stewardship</b>	Ramy Elshaboury, PharmD, BCPS-AQ ID
<b>Faulkner Antimicrobial Stewardship</b>	Raul Santiago, PharmD, BCPS, BCIDP
<b>NWH Antimicrobial Stewardship</b>	Jason Mallada, PharmD, BCPS, BCIDP
<b>MGB Pharmacy Informatics</b>	Jamie Van Kleeck, PharmD

# Requirements for Successful Completion of the PGY2 Infectious Diseases Residency Program

- Successfully licensed as a practicing pharmacist in the state of Massachusetts within 90 days from the start date.
- Successful completion of program and department orientation as appropriate per resident track (internal vs external residents) as defined in learning experience description
- Successful completion of all required rotation learning experiences
  - Infectious Diseases General Consult
  - Infectious Diseases Immunocompromised Consult
  - Infectious Diseases Advanced Consult
  - BWH Antimicrobial Stewardship
  - Infection Control
  - Microbiology
  - HIV Clinic
  - Outpatient Parenteral Antimicrobial Therapy (OPAT)
  - Academia
  - Advanced Integrated Clinical Pharmacy Practice
- Successful completion of 2 (external candidates) or 3 (internal candidates) elective learning experience(s)
- Successful completion of all required longitudinal learning experiences
  - Research Project
  - Formal Presentations and Contributions
  - Committee Membership
  - Medication Safety and Quality Improvement
  - Medication Use Evaluation
- Successfully document the completion of all assigned disease states in the resident longitudinal activities spreadsheet
- Successfully reached 80% Achieved for Residency with required objectives
  - Must include required objectives (R1.1.1, R1.1.3, R1.1.4, R1.1.5, R1.1.6, R1.2.1, R1.3.1, R1.3.2, R1.3.3, R2.1.1, R2.1.2, R2.1.3, R2.2.6, R2.3.2, R3.1.1, R3.2.1, R3.2.2, R3.3.1, R4.1.2, and R4.2.1)
- Successful completion of required formal presentations
  - Continuing education program
  - 5 departmental or multidisciplinary presentations
  - Submission of a poster or clinical pearl presentation at a local, regional, or national conference
  - Successful presentation/submission for presentation of residency project
- Successful completion of professional practice requirements
  - Completion of Service commitment (staffing) requirement
  - Documentation of moonlighting and duty hours as appropriate
  - Documentation of Benefit Time/Time off
- Successful completion of Medication Policy Requirements
  - At least one written or revised drug monograph prepared for DAG Committee Review and presented to the Pharmacy and Therapeutics (P&T) Committee
  - At least one written or revised infectious diseases-related guideline presented to the Antimicrobial Subcommittee and P&T Committee
- Successful completion of all required documentation
  - Initial assessment
  - Quarterly self-assessment as part of the Resident Development Plan
  - All learning experience and preceptor evaluations
  - Final assessment of residency and feedback
- Successful completion of the residency program appendix
- Completion of electronic residency binder with all required documents uploaded into the pharmacy shared folder