This manual has been developed for the Pharmacy Residency Program at Froedtert Hospital to provide information on the policies, procedures, benefits, and other elements that may directly relate to the completion of our program. Questions regarding the manual may be addressed with the Residency Program Directors or the Residency Steering Committee. There may be changes to the policies and procedures at any time when deemed necessary. You will be informed of those changes accordingly.
# Table of Contents

- About Froedtert Health ........................................................................................................... 2

- **Departmental Information** ............................................................................................... 4
  - Clinical Pharmacist Scope of Services ............................................................................. 4
  - Pharmacy Leadership Team ............................................................................................ 10

- **Residency Program Leadership** ...................................................................................... 11
  - PGY2 Residency Programs .............................................................................................. 12
  - Residency Program – Pharmacy Resident Licensure ...................................................... 14
  - Residency Program - Scheduled, Unscheduled, and Extended Absences from Residency ................................................................. 15
  - Residency Program – Residency Program Completion .................................................. 16
  - Title: Residency Program: Residency Program Completion ......................................... 16
  - Residency Program – Resident Performance Improvement Planning and Corrective Action ........................................................... 17
  - Residency Program – Duty Hours .................................................................................. 20
  - Standardized Definitions of Resident Performance Evaluations for use within PharmAcademic ............................................................ 23
  - Benefits .......................................................................................................................... 25
  - Resident Attendance Expectations .................................................................................. 25
  - Paid Time Off .................................................................................................................. 25
  - Holidays .......................................................................................................................... 28
  - Unscheduled Absences ................................................................................................... 28
  - Bereavement .................................................................................................................... 29
  - Bonus Shifts ...................................................................................................................... 29
  - Professional Leave/Business Days .................................................................................. 29
  - Professional Meeting Attendance and Funding ............................................................ 29
  - Expense Reports/Reimbursement .................................................................................... 30
  - PharmAcademic Evaluations .......................................................................................... 32
  - Duty Hours Tracking Documents .................................................................................... 32

- **Resources for Residents** ................................................................................................. 32
  - Laptops, Workstations, and Pagers ................................................................................. 32
  - VPN/Remote Access ......................................................................................................... 34
  - Personal Device Access .................................................................................................... 35
  - Workplace ........................................................................................................................ 36
  - WebEx Teams .................................................................................................................. 36
  - Email Expectations ......................................................................................................... 37
  - Dress Code ...................................................................................................................... 38
  - White Coats ..................................................................................................................... 38
  - Scrub Request Forms ....................................................................................................... 38
  - Business Cards ............................................................................................................... 38
  - Residency Project Resources .......................................................................................... 38
  - MCW Biostatistics Support ............................................................................................. 38
  - Presentation and Poster Templates ................................................................................ 39

- **Additional General Information** .................................................................................... 43
  - Wisconsin Prescription Drug Monitoring Program (ePDM) ............................................ 43
  - Basic Life Support (BLS) and Advanced Cardiac Life Support (ACLS) Certifications .......... 43
  - Parking ............................................................................................................................. 44
  - Project Days .................................................................................................................... 45
  - Working Remotely .......................................................................................................... 45
  - Vizient Committee Involvement ..................................................................................... 45
  - Academia Opportunities .................................................................................................. 45
  - Research Certificate ........................................................................................................ 45
  - Pharmacy Society of Wisconsin Membership .............................................................. 45
  - Wellness and Resilience Resources ................................................................................. 46
  - Excellence in Action ....................................................................................................... 46
  - COVID19 Resources and Guidance ............................................................................... 46

- **Medical College of Wisconsin Teaching Certificate Program** ...................................... 47

- **Pharmacy Research Certificate Overview** ..................................................................... 49
<table>
<thead>
<tr>
<th>Section</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>Inpatient Staffing Information</td>
<td>51</td>
</tr>
<tr>
<td>Resident Staffing Requirements</td>
<td>51</td>
</tr>
<tr>
<td>Inpatient Staffing Model</td>
<td>53</td>
</tr>
<tr>
<td>Inpatient and Oncology Team Details</td>
<td>55</td>
</tr>
<tr>
<td>Traditional Project Timeline</td>
<td>58</td>
</tr>
<tr>
<td>PGY2 ONCOLOGY PHARMACY RESIDENCY PROGRAM SPECIFIC INFORMATION</td>
<td>59</td>
</tr>
<tr>
<td>PGY2 Oncology Residency Program Description</td>
<td>59</td>
</tr>
<tr>
<td>PGY2 Oncology Residency Program Learning Experience Structure</td>
<td>60</td>
</tr>
<tr>
<td>PGY2 Oncology Residency Pre-Learning Experience Communication (with Sample)</td>
<td>62</td>
</tr>
<tr>
<td>PGY2 Oncology Residency Project Timeline Example</td>
<td>64</td>
</tr>
<tr>
<td>PGY2 Oncology Residency Requirements and Expectations for Successful Completion</td>
<td>65</td>
</tr>
<tr>
<td>PGY2 Oncology Residency Additional Opportunities and Information</td>
<td>68</td>
</tr>
<tr>
<td>PGY2 Oncology Resident Graduates</td>
<td>69</td>
</tr>
</tbody>
</table>
Welcome!

Congratulations on starting your residency at Froedtert Hospital!

We are delighted to welcome you as the newest members of our Froedtert pharmacy team. Your pharmacy residency is an exciting and unique time. It will be a year devoted to learning and refining clinical skills. Our team is dedicated to providing a variety of high-quality learning experiences during your residency, empowering you to advance your practice to the highest level. Your residency year should be customized to your specific interests to progress your strengths and enhance areas of relative weaknesses.

This will be a year of great professional growth. The pharmacist you are today will be vastly different from the pharmacist that you will be on graduation day. This year will not be easy, but the more you invest in your growth and development the greater your personal and professional fulfillment will be upon completion. At Froedtert, it is our goal to partner with you to guide you on your journey to become a highly trained and competent pharmacist.

Again, congratulations and welcome to the Froedtert Family!

Best regards,

Justin Konkol, PharmD, BCPS, DPLA
Director of Pharmacy – Froedtert Hospital
About Froedtert Health

Froedtert & the Medical College of Wisconsin

The Froedtert & the Medical College of Wisconsin (MCW) regional health network is a partnership between Froedtert Health and the Medical College of Wisconsin supporting a shared mission of patient care, innovation, medical research, and education. Our health network operates eastern Wisconsin's only academic medical center and adult Level I Trauma Center at Froedtert Hospital, an internationally recognized training and research center engaged in thousands of clinical trials and studies. The Froedtert & MCW health network, which includes ten hospital locations, more than 2,100 physicians, and more than 45 health centers and clinics, draws patients from throughout the Midwest and the nation. In our most recent fiscal year, outpatient visits were more than 1.7 million, inpatient admissions to our hospitals exceeded 58,000, and visits to our network physicians totaled 1.17 million.

Froedtert Hospital

Froedtert Hospital is a 711-bed academic medical center and a leading referral resource for advanced medical care. Froedtert Hospital also operates the region's only adult Level I Trauma Center. The Primary adult teaching affiliate of the Medical College of Wisconsin, Froedtert Hospital is a major training facility for more than 1,000 medical, nursing, and health technical students annually. It is also a respected research facility with more than 2,000 research studies, including clinical trials, every year.

Froedtert Menomonee Falls Hospital

Froedtert Menomonee Falls Hospital, founded in 1964 by the citizens of Menomonee Falls and surrounding communities, is a full-service hospital that specializes in cancer care, heart and vascular care, orthopaedics, women's health, and advanced surgical procedures. Since 2017, the hospital has been home to inpatient training for Medical College of Wisconsin residents as part of the Froedtert Menomonee Falls Hospital Family Medicine Residency Program. A three-year residency, the program includes 18 medical residents with six residents per class.

Visit froedtert.com for more information about the Froedtert & MCW Health Network.

Froedtert Health and the Medical College of Wisconsin have shared mission, vision, and values

- **Mission**: We advance the health of the people of the diverse communities we serve through exceptional care enhanced by innovation and discovery
- **Vision Statement**: We will be the trusted leader by transforming health care and connecting communities to the best of academic medicine
- **Values**:
  - **Value People**: We treat others with respect, knowing that their feelings, thoughts, and experiences are as important as our own.
  - **Work Together**: We collaborate across the enterprise to put forward our best.
  - **Act Now**: We take action to solve problems and move forward quickly.
  - **Own It**: We take full accountability for our decisions, actions, and results.
  - **Break Through**: We change the future of care with creativity and innovation.
  - **Deliver Excellence**: We set the standard that others aspire to by always asking "What more can we do?"

Pharmacy Department

- **Mission**:
  - The Pharmacy Department at Froedtert & MCW provides:
- High-quality, cost-effective, comprehensive, patient-centered care in an atmosphere of communication and shared respect
- Life-long learning through the education of patients, students, residents, staff, and other health care professionals
- Research and discovery designed to enhance the quality and safety of medication use

*Vision Statement:*
  - To improve the health of the community by achieving high-quality patient outcomes through appropriate use of medication therapy

**Vizient Quality and Accountability Rankings**

Vizient, an alliance of academic medical centers in the United States, provides rankings for academic medical center and affiliated hospitals based on quality, safety, and service. In 2022, Froedtert Hospital was recognized as a top performer in the 2022 Bernard A. Birnbaum, MD, Quality Leadership Ranking, achieving a rank of 10 out of 107 Academic Medical Centers. Vizient offers many resources to member hospitals as well as leadership and networking opportunities for pharmacists and pharmacy residents.

**Twitter:** @FMCWPharmRes

**Twitter:** @Froedtert

**Instagram:** @froedtert.mcw

*Froedtert & MCW Pharmacy Residency webpage: froedtert.com/pharmacy-residency*
Departmental Information

Clinical Pharmacist Scope of Services

Safe and Effective Medication Use
- Pharmacists will take clinical action and make recommendations based on evidence to ensure safe and effective use of medications to meet therapeutic goals.

Evaluation of Patient Profile and Medication Orders
- A pharmacist reviews the appropriateness of medication orders for medications to be dispensed in the hospital and at discharge.
- Each order will be evaluated for appropriateness prior to the first dose being dispensed (except in emergency situations or in those instances where a medication is administered under the direct supervision of a physician).
- Order verification occurs in a timely manner:
  - For priority (STAT) medications, verified within 15 minutes of receiving order
  - For non-urgent medications, verified within 60 minutes of receiving order
- Patient profile review upon order verification and continuously based upon team and patient acuity:
  - Known drug allergies
  - Review of medication list for:
    - Drug-drug interactions
    - Drug-disease interactions
    - Duplicate or missing medications
    - Appropriate lab orders
    - Cost effective therapy
  - Assessment of therapeutic appropriateness:
    - Indication
    - Route and method of administration
    - Anticipated toxicity or adverse effects
- Assessment of renal dosing upon order verification and upon profile review
- Therapeutic drug monitoring and ordering of associated laboratory procedures as indicated
- Daily antibiotic stewardship review to ensure appropriate indication and duration of therapy for each antibiotic ordered and to enforce current antimicrobial formulary restrictions and practice guidelines.
- Ensure appropriate compliance for Risk Evaluation and Mitigation Strategy medications
- Support distribution needs to patient care area by coordinating with central pharmacy staff
- Direct pharmacy technicians and interns in their daily work through observing their performance, giving timely feedback, answering questions, providing guidance, and checking the accuracy of their work.

Pharmacist Medication Dosing Services
- Pharmacists are responsible for the following pharmacy consult services:
  - Vancomycin and aminoglycosides
  - Antifungal medications
  - Direct thrombin inhibitors
  - Warfarin
  - Total parenteral nutrition
  - QT prolongation

Medication Histories and Reconciliation
- Pharmacists are accountable for the following:
  - Obtain medication history within 24 hours of patient admission
  - Complete admission medication reconciliation within 24 hours of patient admission
Complete transfer medication reconciliation with each level of service transfer and with transfer out of the operating room

**Discharge Reconciliation and Coordination**
- Pharmacists are held accountable for the following:
  - Complete discharge medication reconciliation prior to patient discharge
  - Complete discharge medication counseling to patient prior to discharge
  - Facilitate access to outpatient prescriptions prior to discharge as appropriate

**Drug Information and Patient Education**
- A primary focus on a daily basis, pharmacists:
  - Provide consultations in a timely and accurate manner to support other health professionals in medication therapy selection and management
  - Provide disease state and medication specific education during hospitalization

**Multidisciplinary Team Involvement**
- In order to better integrate into the medical team, pharmacists:
  - Attend daily care coordination rounds to facilitate discharge medication needs
  - Support and augment patient care rounds
  - Document notes and care plans in the electronic medical record (eMR) as appropriate

**Communication between Pharmacists**
- To ensure proper care of patients through shift changes and transfers, pharmacists are to:
  - Proactively identify hand-off needs prior to the end of shifts and coordinate key hand-offs in the eMR sign-out notes
  - Contact receiving pharmacy team members when appropriate regarding patient transfers from unit to unit to ensure continuity of care

**Precepting and Teaching**
- As part of an academic medical center, pharmacist duties include the following:
  - Daily teaching and incorporation of evidence-based learning into resident and student rotations
  - Evaluation and feedback for residents and students on a regular basis
  - Timely coordination of rotation activities
  - Effective use of residents, students, and interns as extenders of pharmacy care

**Formulary Management**
- Pharmacists assess the following during the course of their daily duties:
  - Approved use and indication of formulary and restricted agents
  - Compliance and support of Froedtert Hospital evidence-based guidelines and medication use policies
  - Approved therapeutic interchanges for medications at order verification
  - Assessment and prospective planning of switching patients from IV to PO regimens when able
  - Completion of non-formulary request process
  - Supply documentation to health care providers regarding medication use and patient outcomes from medication therapy
  - Participate and provide input in the development and application of policies, procedures, clinical care plans, guidelines, order sets, interdisciplinary standards of care, and protocols involving medication use
  - Verify the validity of off-label medication use with primary, secondary, and tertiary medication references
Emergency Management

- Pharmacists support and participate in emergency management in the following ways:
  o ICU or Emergency Department pharmacists respond to all Code 4 emergencies and airway responses
  o Pharmacists will respond to all rapid responses in their assigned area
  o Timely response to emergency or disaster management process
  o Support rapid sequence intubation and conscious sedation

Quality and Process Improvement

- Pharmacists are actively engaged in quality and process improvement:
  o Represent the Pharmacy Department on committees, task forces, workgroups, and unit-based councils that make decisions concerning medication use or engage in improvement initiatives which support patient-focused care
  o Lead and support medication use related to achieving outcomes around quality measures (national patient safety goals, core measures, value-based purchasing)
  o Active and timely participation and support of multidisciplinary process improvement
  o Actively participate in business process committees throughout the hospital

Medication Distribution and Control

- Pharmacy staff will:
  o Utilize inventory management software to purchase pharmaceuticals
  o Purchase pharmaceuticals at the lowest possible price and maintain an inventory sufficient to meet the needs of our patients
  o Obtain pharmaceuticals from primary wholesalers or direct from the manufacturers
  o Procure, store, and distribute all medications used in the inpatient and ambulatory settings throughout Froedtert Hospital
  o Prepare and label drug formulations, dosage forms, strengths, and packaging not commercially available in accordance with applicable practice standards and regulations.
  o Ensure adequate quality assurance standards for these practices exist
  o Prepare and label compounded sterile products in accordance with practice standards
  o Prepare and label compounded and repackaged non-sterile products in accordance with practice standards
  o Coordinate all drug recall notices and follow procedures to remove recalled products for return to the manufacturer and patient follow up if necessary
  o Routinely monitor inventories of pharmaceuticals to ensure proper storage conditions and remove expired medications from stock
  o Maintain accountability for the distribution of controlled substances and monitor systems to detect diversion
  o Identify processes for safe handling and disposal of hazardous drugs
  o Identify practices to ensure adequate supply of emergency medications needed in the event of an incident resulting in mass casualties

Clinical Cancer Center Services

- Pharmacy staff will:
  o Provide direct comprehensive pharmaceutical care in the Cancer Center
  o Coordinate medication use in the oncology patient population
  o Perform duties as outlined above in Clinical Pharmacist Practice Service and Medication Distribution and Control as applicable
  o Develop, review, and maintain protocols and regimens within the oncology electronic medical record system
  o In collaboration with members of the Department of Hematology/Oncology, Pharmacists verify medication orders and perform a dual verification for all chemotherapy orders
- Prepare and label compounded hazardous products for the entire campus in accordance with practice standards
- Participate in clinical research and Investigational Drug Services
- Participate as a member of multi-disciplinary and pharmacy committees in the Clinical Cancer Center
- Work with inpatient Heme/Onc and retail pharmacy staff to ensure continuity of care

**Pharmacists will:**
- Assist in the education of patients receiving chemotherapy and adjuvant medications
- Be responsible for the development, maintenance, and execution of Collaborative Practice Agreements with physicians

---

**Froedtert Health Pharmacy Solutions (FHPS)**

FHPS focuses on outpatient pharmacy services including retail, specialty, and home infusion and includes a full-service PBM.

**Froedtert Pharmacy Retail Services**

- Froedtert Pharmacies provide services Monday through Friday with certain locations offering Saturday hours and the 92nd Street location operating 365 days a year.
- There are 12 retail pharmacy locations and 1 remote dispensing site with plans to expand locations in FY23.
- The three discharge pharmacies located within FMLH, FMFH, and FWBH are accredited by Community Health Accreditation Partner (CHAP), allowing Medicare Part B billing for approved DME products with additional locations being approved for billing Medicare Part B medications.
- Pharmacy staff working in the Froedtert Pharmacy Retail Stores are responsible for:
  - Prescription data entry, claims adjudication, medication profile review, assessment for clinical appropriateness, identification of interactions or possible adverse events, collaborating with interdisciplinary team members, product dispensing, final product verification, cash handling and point-of-sale transactions, counseling patients on prescription and over-the-counter medications
  - Fulfill duties outlined in the Clinical Pharmacist Practice Service and Medication Distribution and Control as applicable
  - Support patients through challenges in receiving their medications by utilizing available resources, such as patient assistance programs, prior authorizations, Froedtert Rx Savings Plan, approved interchange policies, and programs such as the Drug Repository Program, Diabetic Smart Start and Discount Programs, etc
  - Per Wisconsin State Law, pharmacists are required to counsel on new prescriptions when therapy changes are made, when requested by the patient or patient agent, or when the pharmacist deems necessary
  - Additional services available include Medication Therapy Management, Immunizations, Quality Interventions, Enhanced Refill Processing, and the Froedtert Rx App to assist patients in managing their medications

**Froedtert Pharmacy Home Delivery & Specialty Services**

**Home Delivery**

- Froedtert Pharmacy offers Home Delivery to seven states for no additional charge to patients.
- Before sending out any medications, the pharmacy staff proactively call patients to confirm their order, preventing missed doses and minimizing unwanted medication from being sent.

**Specialty**

- The Froedtert Pharmacy Specialty team manages high cost, often chronic medications used by our patients in and outside of our hospitals or clinics. Our Specialty Pharmacy touches a variety of areas within our health system and is URAC accredited. Each month a pharmacist reviews the patient’s medical record to ensure their medications are appropriate and accurate.
The Medication Access Team (MAT) is embedded with the specialty pharmacy service line and performs the following duties:

- Acquire prior authorizations for specialty medications infused, administered, or dispensed at any of the Froedtert and the Medical College of Wisconsin campuses, health centers, or Froedtert Pharmacies
- Obtain medication and/or financial assistance for patients who are uninsured or unable to afford their specialty medication
- Collaborate with social work, case management, and financial counselors to ensure patient access to affordable medications
- Review of pending Medicare write-offs to correct potential billing errors and maximize reimbursement

Froedtert Pharmacy Home Infusion Services

- Provides a safe and effective option for patients to receive therapy via intravenous or other non-oral routes from the comfort of their own home or infusion suite
- The Home Infusion team includes registered nurses and pharmacists, and coverage spans the state of Wisconsin
- Home Infusion is accredited by the Joint Commission for home care services and is a certified Medicare provider for DME

Ambulatory Pharmacy Services

- Pharmacists are integrated into both primary care and specialty clinics across the Froedtert Health Enterprise
- Primary care pharmacists cover over 30 primary care clinics and specialty clinic pharmacists support over 10 specialty areas
- The ambulatory pharmacy department also comprises the Anticoagulation Clinics (a multidisciplinary team of pharmacists, nurses, and pharmacy technicians) and the pharmacist-led Anemia Clinic
- Ambulatory clinic pharmacists provide care to patients with a variety of chronic conditions through the use of Collaborative Practice Agreements with physicians
- Ambulatory pharmacy care is delivered to patients through office and virtual visits as well as telephone encounters
- In addition to direct patient referrals, ambulatory pharmacists work with nurses and medical assistants on enterprise-wide population management initiatives focused on a variety of disease states such as diabetes, hypertension, heart failure, COPD/asthma, and HIV PrEP
- Ambulatory pharmacists at Froedtert work closely with the pharmacy technician prior authorization team, as well as pharmacists within the Froedtert Health retail and specialty pharmacies to ensure patient access to medications
- Ambulatory clinics with pharmacist services include: Anemia, Anticoagulation, Behavioral Health, Cardiology, Dermatology, Endocrinology, Geriatrics, GI/Hepatology, Infectious Diseases, Infusion Clinic, Metabolic Syndromes, Neurology, Oncology, Primary Care, Pulmonary Clinic, Rheumatology, and Solid Organ Transplant

Investigational Drug Services

- Pharmacy staff are responsible for the proper procurement, storage, labeling, dispensing, record keeping, and disposal of investigational drugs for all clinical research at Froedtert Hospital and clinics on the Froedtert Hospital campus
- Investigational drugs will only be dispensed to patients enrolled in an IRB-approved research study and only after informed consent has been completed and verified by a pharmacist
- Pharmacy staff are responsible for proper storage, labeling, dispensing, record keeping, and disposal of emergency use medications, medications available as a part of an expanded access program, and compassionate use medications
• Pharmacy staff will work with the clinical team as needed to facilitate authorization through the IRB, correspondence with the supplying company, and procurement of drug as needed
• Investigational Drug Service team members are responsible for preparing protocol summaries to facilitate after-hours dispensing of medications for clinical trials where necessary
• Investigational Drug Service team members are routinely available Monday through Friday 7:00 am to 5:30 pm. An Investigational Drug Service team member is available during the evening and weekends if needed for urgent situations

Center for Medication Utilization

• The Center for Medication Utilization (CMU) team promotes and ensures the safe, effective and fiscally responsible use of medications across the Froedtert & MCW health network. The team provides structure and support for the System Pharmacy and Therapeutics Committee and is integral to many critical medication management efforts across the health network, including:
  o Medication utilization management for medication spending and reimbursement across the health network
  o Effective medication shortage management to ensure patients and providers have access to the medications they need
  o Formulary management with support for informatics and policy integration
  o Vigilance of safe medication use in accordance with regulatory requirements and best practices
  o Facilitation and oversight of medication guidelines, protocols, collaborative practice agreements, and clinical pathways
  o Development and maintenance of infusion pump libraries, user-friendly drug information resources, and communication tools
  o Continual monitoring of medication-use patterns and value-based care initiatives

Pharmacy Informatics/Epic Willow Teams

• The Pharmacy Informatics and Epic Willow teams manage, implement, and design automation and technology including the electronic health record, distributive technologies, and ancillary programs across the Froedtert and the Medical College enterprise
  o Primarily responsible for the Epic Willow Inpatient application, Epic Willow Ambulatory application, medication related ancillary applications, medication related reporting, and training of pharmacy staff
  o Pharmacy Informatics and Epic Willow team members are routinely available Monday through Friday 8:00 am to 4:00 pm. A Pharmacy Informatics and Epic Willow team member is available during the evening and weekends if needed for urgent situations
Pharmacy Leadership Team
Residency Program Leadership

Kristin Hanson, BSPharm, MS
Program Director for Residency Programs

Teri Mattek
Pharmacy Education Coordinator

PGY1 Residency Programs

Froedtert Menomonee Falls Hospital PGY1
- John Muchka, PharmD, BCPS
  - Residency Program Director
- Brian Kasica, PharmD, BCPS
  - Residency Program Coordinator

Froedtert Hospital (Acute Care Focus) PGY1
- Anne Zechlinski, PharmD, BCPS
  - Residency Program Director
- Amanda Pilo, PharmD, BCPS
  - Residency Program Coordinator

Froedtert Hospital (Ambulatory Focus) PGY1
- Mickey Hart, PharmD, BCACP
  - Residency Program Director
- Jonathan White, PharmD, BCACP
  - Residency Program Coordinator

Community-Based PGY1
- Melanie Engels, PharmD, MBA
  - Residency Program Director
- Kevin Stutt, PharmD
  - Residency Program Coordinator

Health System Pharmacy Administration and Leadership PGY1 and PGY2
- Justin Konkol, PharmD, MHA, BCPS, DPLA
  - Residency Program Director
- Tara Feller, PharmD, MBA, MPH, BCPS, Kristin Tiry, PharmD, MHA
  - Residency Program Coordinators

Medication Use Safety and Policy PGY1 and PGY2
- Kristin Hanson, BSPharm, MS
  - Residency Program Director
- Daniel Kapp, PharmD, BCPS, BCOP, Taylor Mancuso, PharmD
  - Residency Program Coordinators

Pharmacy Informatics PGY1 and PGY2
- Jill Zimmerman, PharmD, MS
  - Residency Program Director
- Brian Dekarske, PharmD
  - Residency Program Coordinator
PGY2 Residency Programs

PGY2 Ambulatory Care
- Amanda Mauerman, PharmD, BCACP
  - Residency Program Director
- Jonathan White, PharmD, BCACP
  - Residency Program Coordinator

PGY2 Critical Care
- Joel Feih, PharmD, BCCCP
  - Residency Program Director
- Kaitlin Cooper-Johnson, PharmD, BCCCP
  - Residency Program Coordinator

PGY2 Emergency Medicine
- Cathyyen Dang, PharmD, BCPS
  - Residency Program Director
- Jessica Feih, PharmD, BCCCP
  - Residency Program Coordinator

PGY2 Infectious Diseases
- Alison Gibble, PharmD, BCIDP
  - Residency Program Director
- Kelsey Zeeck, PharmD
  - Residency Program Coordinator

PGY2 Oncology
- Emma Carroll, PharmD, BCOP
  - Residency Program Director
- Stephanie Spitzer, PharmD, BCOP
  - Residency Program Coordinator
Residency Program Policies and HR Information

Residency Program - Resident Licensure
Residency Program – Scheduled, Unscheduled, and Extended Absences from Residency
Residency Program – Residency Program Completion
Residency Program – Resident Performance Improvement Planning and Corrective Action
Residency Program – Duty Hours
Residency Program – Pharmacy Resident Licensure

Name: Residency Program - Pharmacy Resident Licensure
Last Review Date: 12/30/2021
Next Review Date: 12/30/2024
Policy Number: 40310-004
Origination Date: 01/02/2013

Purpose: To define requirements related to licensure for pharmacy residents

Policy: Consequences of failure to obtain licensure within the expected timeframe will be determined by the Residency Program Director, Residency Coordinator, Director of Pharmacy and a representative from Human Resources.

Procedure:

- The pharmacy resident should submit appropriate documentation to the Wisconsin State Board of Pharmacy as soon as possible after learning they have matched with a Froedtert residency program.
- The resident must be fully licensed as a pharmacist (successfully pass the NAPLEX and MPJE exam and have an active pharmacist license) within 90 days of the beginning of the residency.
- If the resident is not licensed within 90 days of the beginning of the residency program, the following describes the outcome for the resident.
  - If the resident has taken, but not successfully passed either the NABPLEX or MPJE exam, or both, the Residency Advisory Committee (RAC) may consider allowing a 30 day extension, which will allow the resident to complete two-thirds of the residency as a licensed pharmacist.
    - i. If approved, this extension will be noted in the RAC minutes.
    - ii. If this extension is not approved, the resident will be dismissed.
  - If the resident has not taken both the NAPLEX and MPJE exams within 90 days of the beginning of the program, the resident will be dismissed from the program.
- If a 30 day extension has been provided and the resident is still not licensed as a pharmacist, the following describes the outcome for the resident.
  - If the resident has signed up to retake the test(s) but not successfully completed, the RAC may consider allowing an additional extension, not to exceed 90 days (i.e. 210 days after the beginning of the residency).
    - i. If approved, this extension will be noted in the RAC minutes, and the residency will be suspended until such time as the resident is licensed as a pharmacist. Once licensed, the residency will be extended by the amount of time as the extension to ensure that the resident completes 12 months of training and completes two-thirds of the residency as a licensed pharmacist. If the resident is not licensed as a pharmacist by the end of this extension, the resident will be dismissed.
    - ii. If this extension is not approved, the resident will be dismissed.
- Factors taken into consideration will include:
  - Reason(s) for the delay (within or beyond the resident’s control)
  - Number of attempts to pass licensure exams
  - Overall competency, ability and performance of the resident

Reference Details:
Approved by Residency Steering Committee
Issuing Authority:
FMLH Pharmacy Operations Committee
Residency Program - Scheduled, Unscheduled, and Extended Absences from Residency

Last Review: March 26, 2021
Next Review: March 26, 2024
Description: Residency program completion, extended absences, leave, LOA, PTO, sick time, holiday
Policy number: 40310-005
Origination date: 9/13/2005

Purpose: To describe the requirements for residency completion and extended absences.

Policy:
1. Froedtert & the Medical College of Wisconsin PGY1 and PGY2 pharmacy residency programs are designed as 52-week programs of full time work. Combined PGY1/PGY2 pharmacy residency programs are designed as two consecutive 52-week programs. The non-traditional residency program allows the resident to meet the residency requirements over an extended period of time.
2. Residents may take up to a total of 21 days of time off (paid or unpaid) per year for vacation, interviews, sick time, and holidays. Residents taking time off in excess of 21 days or 168 hours per year will need to make up those days in order to complete their residency program and earn a residency certificate.
3. The residency program will be extended up to 12 weeks (with pay) beyond the original expected completion date to facilitate completion of all program requirements for residents with an approved Leave of Absence during the residency year. The length of the extension will align with the duration of the approved leave.
4. In the event of extended or multiple intermittent absences beyond an approved Leave of Absence, the option to extend the residency will be at the discretion of the Residency Program Director and manager. The residency program may be extended up to 12 weeks beyond the original completion date.
5. Absences of greater magnitude or frequency are considered too substantial of an interruption and will result in program dismissal without a residency certificate.

Procedure:
1. Residents will work with their program director, manager, and scheduler to request time off.
2. Residents may not schedule time off from staffing shifts. Unscheduled time off from a staffing shift may result in the make-up of that shift at a later date.
3. Approval and handling of absences, including paid time off (scheduled and unscheduled) will be done in accordance with Froedtert Health policies specific to the situation.
4. If an extension to the residency is warranted, the duration of the extension will be determined by the amount of time missed.

Preparation: Kristin Hanson, BSPPharm, MS
Authorization: Residency Steering Committee
Pharmacy Department Policy and Procedure Committee
Residency Program – Residency Program Completion

FROEDTERT PHARMACY POLICY

Title: Residency Program: Residency Program Completion  
Entities Impacted: FMFH (X)  FMLH (X)  FMCWCP ( )  FWBH ( )  
Policy Number Pending

PURPOSE:  
Describe requirements for residency program completion

DEFINITIONS:  
1:
FMLH
PHARMACY
Residency Program
Steering Committee
Agendas and Notes
2020-2021
Notes
Updated definition of progress toward goals NI SP ACH ACHR
06.06.18 FINAL .pdf

POLICY:  
Residents must meet all completion requirements prior to being awarded a residency certificate.

Each residency program maintains a list of completion requirements specific to that program.

Completion requirements are included in the residency manual and provided to residency candidates at the time of their interview with the program.

Progress on achieving completion requirements will be monitored by the Residency Program Director or designee and documented as a part of the resident’s development plan at least quarterly.

Residents are required to complete all program specific completion requirements by the end of the residency program.

For residency programs with a Patient Care Competency Area (R1); all objectives within that competency area must be Achieved for Residency (ACHR) by the end of the residency program.

At least 70% of the other required objectives must be Achieved for Residency (ACHR) and Satisfactory Progress (SP) must be made on all remaining required objectives by the end of the residency program.

PROCEDURE:

RELATED POLICIES/PROCEDURES:

AUTHORS: Terry Audley, John Muchka, Kristin Hanson
Residency Program – Resident Performance Improvement Planning and Corrective Action

Name: Residency Program - Resident Performance Improvement Planning and Corrective Action
Last Review Date: 06/26/2020
Next Review Date: 06/26/2023
Policy Number: 40310-002
Origination Date: 08/10/2005

Purpose: To provide guidance on handling situations in which pharmacy residents are not meeting or completing residency program requirements as expected.

Definitions:
- Residency Program Director (RPD) – The pharmacist on record with the American Society of Health System Pharmacists (ASHP) who is responsible for the leadership of a pharmacy residency program. This pharmacist may or may not be a formal leader at Froedtert Health.
- Leader – The pharmacy resident’s direct supervisor at Froedtert Health.
- Mentor – A pharmacist assigned by the residency program director to assist with resident development during the residency year. The mentor is a Froedtert Health staff member who is typically not in a leadership role.
- Advisor – A pharmacist assigned by the residency program director to assist with resident development and career planning during the residency year. The advisor is a Froedtert Health staff member who is typically in a leadership role.
- Preceptor – A pharmacist who oversees a resident learner during a specific learning experience.

Policy:
A. In order to earn a residency certificate at Froedtert & the Medical College of Wisconsin, residents must meet criteria outlined in policy AD25.000, Residency Program Completion and Extended Absences.
B. The resident’s mentor and/or advisor may be included depending on the circumstances.
C. Coaching will be used to correct deficiencies or behaviors initially unless:
   1. The resident is having difficulty performing tasks required to independently staff in a pharmacist role.
   2. The behavior or action would result in corrective action or dismissal for a staff member per Froedtert policies and procedures.
      i. As a Froedtert Hospital staff member, residents are expected to comply with all Froedtert Health Rules of Conduct and other Human Resource policies as outlined separately.
      ii. Non-compliance with these policies will be handled by the resident’s leader and the department’s Human Resource liaison.
   3. A pattern of behavior has been established and has not improved with coaching.

Procedure: Coaching
A. When a preceptor or other member of the pharmacy department identifies that the resident is not meeting expectations, this information shall be communicated directly to the resident, the resident’s RPD and the resident’s direct leader.

1. In addition to verbal feedback, the preceptor should provide written feedback to the resident in Pharmacademic with clear direction for the improvements that are needed. “Needs Improvement” should be used to document deficiencies. The RPD and/or leader will investigate by following up with the resident’s preceptor as well as other preceptors and pharmacists who have worked with the resident.

2. The RPD and leader will schedule a meeting with the resident to initiate a coaching conversation regarding identified problem areas and issues. A list of areas for improvement and goals to be achieved will be defined at this meeting. The rotation schedule and/or learning experiences may be adjusted in order to provide the resident an opportunity to show improvement. The resident’s mentor and or advisor may also be included at the discretion of the RPD and leader.

3. The RPD and leader will write a formal plan with actionable goals that has a distinct timeline using the attached template. The resident and leader will sign off on this document. The leader will add this plan to the resident’s personnel file.

4. The RPD and leader will schedule follow-up meetings with the resident at two and four weeks to discuss progress with the plan. Meetings may be scheduled sooner or more frequently if appropriate. Feedback will also be gathered from the resident’s preceptors. If sufficient progress has been made, this will be documented on the plan and updated in the file. Based on the nature of the areas for improvement, the RPD and leader will determine if additional follow-up is needed.

**Formal Performance Improvement Plan**

B. At the end of the four-week time period, if it is determined that the resident has not made sufficient progress in improving performance, the RPD and leader may initiate a formal Performance Improvement Plan with the assistance of their human resources liaison. Action may start here for situations listed under section C above.

1. The resident’s leader will be responsible for discussing the situation with the department’s HR liaison and their Director.

2. The leader and RPD will meet with the resident to discuss all areas in which it is believed the resident is still not meeting expectations. An official Performance Improvement Plan will be initiated based on the areas for improvement identified and timelines discussed. The leader and the resident will sign off on this document. This document and sign off will go into the resident’s file, and will also reflect the understanding that if progress is not made during the established time frame, there is a possibility of dismissal from the program that would exclude the resident from earning a residency certificate.
3. It is the responsibility of the resident to achieve the documented goals. The leader and/or RPD will schedule follow-up meetings with the resident based on the timelines established in the performance improvement plan. The resident’s mentor and/or advisor may be included in these meetings at the discretion of the resident’s RPD and leader.

4. At the end of this time frame, if it is determined that the resident has not made progress toward completion of the goals, the RPD and the resident’s direct leader shall discuss dismissal of the resident from the program and/or termination of employment.

5. The director of pharmacy, along with the resident’s leader, and the RPD will make the final decision regarding dismissal/termination in consultation with the department’s Human Resource liaison.

**ATTACHMENTS/APPENDICES:**
- Resident Coaching Documentation Template
- Performance Improvement Plan Template
# Residency Program – Duty Hours

<table>
<thead>
<tr>
<th>Title: Residency Program – Duty Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Last Review Date: 12/28/2022</td>
</tr>
<tr>
<td>Policy Number: 40310-006</td>
</tr>
<tr>
<td>Category: Residency</td>
</tr>
<tr>
<td>Policy Owner: Kristin Hanson, Anne Zechlinski</td>
</tr>
<tr>
<td>Authorizing Group: Pharmacy Residency Steering Committee &amp; Pharmacy Policy Committee</td>
</tr>
<tr>
<td>Supersedes:</td>
</tr>
<tr>
<td>Synergy: FMLH and FMFH</td>
</tr>
<tr>
<td>Description:</td>
</tr>
</tbody>
</table>

## PURPOSE
To ensure pharmacy residents are “fit for duty” by outlining a process for monitoring and tracking duty hours as a way to identify if and when interventions are needed to promote resident well-being and resilience and patient safety.

## DEFINITIONS:
**Duty Hours** – Duty hours are defined as all scheduled clinical and academic activities related to the pharmacy residency program. Duty hours include:
- Training and orientation, time to complete required certifications (ex. ACLS, BLS)
- Patient care activities (rotation & staffing)
- Administrative responsibilities
- Committee appointments and assignments
- Scheduled conferences (Milwaukee Citywide, Midyear, GLPRC, etc.)
- Projects & tasks assigned by preceptors, program director or coordinator required to meet the goals & objects of the program
- Work to complete year-long residency project
- Assignments for longitudinal rotations
- Select On-call responsibilities (see section D, below)

Duty hours do not include:
- Reading, studying & academic preparation time
- Travel time to & from off-site rotations
- Travel time to & from conferences
- Time to complete education, training or certification not required as part of residency program
- Resident & department social activities

**Scheduled duty periods** – Assigned duties, regardless of setting, that are required to meet the educational goals and objectives of the residency program. These duty periods are usually assigned by the residency program director or preceptor and may encompass hours which may be within the normal work day, beyond the normal work day, or a combination of both.

**Moonlighting** – Voluntary, compensated, pharmacy-related work performed outside the organization (external), or within the organization where the resident is training (internal), or at any of its related participating sites. These are compensated hours beyond the resident’s salary and are not part of the scheduled duty periods of the residency program.

**Bonus Shift** – Terminology used at Froedtert & the Medical College of Wisconsin for “moonlighting shifts” that are periodically available to residents for additional compensation.

**Continuous Duty** – Assigned duty periods without breaks for strategic napping or resting to reduce fatigue or sleep deprivation.

**Days Free** – Calendar days with no scheduled residency-related activities. This includes weekends when not scheduled to staff.
POLICY:

A. All Froedtert & the Medical College of Wisconsin pharmacy residency training programs abide by the requirements set forth in the American Society of Health System Pharmacists (ASHP) Pharmacy Specific Duty Hours and Accreditation Standards. 

https://www.ashp.org/-/media/assets/professional-development/residencies/docs/duty-hour-requirements.pdf

- Residents will review the ASHP Duty Hours document upon initiation of the residency training program.
- During orientation, the RPD will review requirements related to duty hours with residents. Furthermore, the RPD will highlight and emphasize resident accountability and responsibility as it relates to patient safety and the importance of being “fit for duty.”

B. Maximum duty hours of work per week and duty-free times:

- Duty hours must be limited to 80 hours per week, averaged over a four-week period, inclusive of all in-house activities and all moonlighting/bonus shifts.
- Mandatory time free of duty: residents must have a minimum of one day in seven days free of duty (when averaged over four weeks).
- The scheduling of resident staffing shifts will allow duty hours rules to be met.

C. Moonlighting/Bonus Shifts

- Any moonlighting/bonus shifts worked at Froedtert Health or externally are included within duty hours.
- Once trained and licensed, residents may pick up bonus shifts at Froedtert Health as long as:
  i. The resident obtains permission from RPD prior to picking up their first shift.
  ii. The shifts do not interfere with residency program requirements.
  iii. The resident is meeting or exceeding residency program requirements.
  iv. The shift will not cause the resident to exceed duty hours.
- If a pharmacist believes the resident is showing signs of fatigue (excessive yawning, sedation, etc), the resident should be relieved of their duty. The pharmacist will notify the program director and the resident will be prohibited from moonlighting/bonus shifts for at least 4 weeks.
- Moonlighting/bonus shifts will be prohibited if it appears to be interfering with the resident’s judgement or ability to achieve educational goals.
- External moonlighting is discouraged, however, if a resident chooses to moonlight, hours must be disclosed with duty hours. If it is identified that moonlighting is interfering with fitness for duty, residents will be required to end moonlighting responsibilities.

D. At-Home Call Programs

- Residency programs with call programs must have a documented structure that includes:
  i. Level of supervision a resident will be provided based on activities expected to perform, level of residency training and timing during the year.
  ii. Identification of a backup system if the resident needs assistance.
  iii. Method to evaluate the impact of the call program to ensure there is not a negative effect on patient care or resident learning due to sleep deprivation or fatigue.
  iv. A plan for how to proceed if residents’ participation in call program affects performance during duty hours.
- At-home call programs must satisfy the requirement for one-day-seven free of duty, when averaged over four weeks. No at-home call can occur on the day free of duty.
- At home call hours are considered duty hours if:
  i. The resident is called-in to work or to fill a shift. The hours spent working will be included in duty hours. This may include a shift that can be worked from home.
ii. The time spent by the resident on on-call related work activities during their assigned on-call hours count toward duty hours (i.e. taking calls, reviewing electronic health record, arranging sick call coverage, etc).

E. Duty Hours Tracking and Monitoring
   • Residents are expected to self-monitor their duty hours and will complete a monthly attestation in Pharmacademic.
   • RPDs will be alerted if a resident discloses work in excess of duty hours limits. The RPD is responsible for discussing the circumstances for duty hour excursion with the resident in order to identify strategies to comply with duty hours rules while meeting program requirements.
   • Potential strategies include restricting bonus shifts/moonlighting, allowing time away, adjustment of deadlines for longitudinal work, or rotation/staffing schedule adjustments.

F. Promotion of well-being and resilience
   • During orientation, residents will be provided with education on well-being, resilience, burnout and strategies to mitigate/reduce risk. Organizational resources (such as peer support groups and counseling services) available to residents will be also be discussed.
   • Annually, a preceptor development topic will be dedicated to discussing these topics as well.
   • Individual resident wellness strategies will be included as part the each resident’s development plan and will be re-assessed at least quarterly at each resident’s Residency Advisory Committee Meeting.
Standardized Definitions of Resident Performance Evaluations for use within PharmAcademic

**Formal Evaluation**
Standard definitions of progress toward achieving goals and objectives will allow for consistent interpretation and help provide consistent assessment and subsequent feedback for all Froedtert & the Medical College of Wisconsin pharmacy residents in all residency programs. The following definitions will be used for needs improvement (NI), satisfactory progress (SP), achieved (ACH), and achieved for residency (ACHR) will be used in all PharmAcademic evaluations.

### NI = Needs Improvement
**Definition:** Resident is *not meeting* expectations. The resident is *performing below* the level that would be expected of a resident at this point in their training program as evidenced by meeting 1 or more of the following characteristics:
- Requires direct and repeated supervision, guidance, intervention, or prompting
- Make questionable, unsafe, or non-evidence-based decisions
- Fails to complete tasks in a time appropriate manner
- Fails to incorporate or seek out feedback
- Acts in an unprofessional manner

**Preceptor Action:** The preceptor is required to document criteria-based, specific comments within PharmAcademic, citing specific example(s) why NI was assigned, and providing direction on how the resident may improve their performance. When applicable, the preceptor should contact the RPD, RPC, and mentor early in the learning experience if resident performance concerns are noted. The resident’s progress should be communicated to the preceptor team in a timely fashion, using whatever mechanism that residency program uses for preceptor communication (i.e. Residency Advisory Committee, etc.). The preceptor should determine when to reevaluate the goal/objective that for which a “NI” was assigned, ideally in about 4 months, and may necessitate a change in resident schedule.

### SP = Satisfactory Progress
**Definition:** Resident is *meeting* expectations. The resident is *performing at* the level that would be expected of a resident at this point in their training program as evidenced by meeting the following characteristics:
- Requires infrequent supervision, guidance, intervention, or prompting
- Makes appropriate, safe, or evidence-based decisions with limited prompting or intervention from the preceptor
- Completes tasks in a time appropriate manner with limited prompting and guidance
- Incorporates feedback from preceptors with minimal prompting
- Acts in a professional manner

**Preceptor Action:** The preceptor is required to document criteria-based, qualitative written comments that are specific and actionable, and acknowledge the resident’s skill progression within PharmAcademic.

### ACH = Achieved
**Definition:** Resident is *consistently meeting* expectations. Resident is *independently performing at or above* the level of performance expected at the conclusion of the residency program. Resident displays all of the following characteristics:
- Appropriately seeks guidance when needed
- Consistently makes appropriate, safe, or evidence-based decisions on an independent basis
- Independently and competently completes assigned tasks
- Consistently demonstrates ownership of actions and consequences
- Accurately reflects on performance and can create a sound plan for improvement
- Acts in a professional manner

**Preceptor Action:** The preceptor must document criteria-based, specific comment(s) and example(s) within PharmAcademic to justify ACH.

### ACHR = Achieved for Residency
**Definition:** Resident has demonstrated a **sustained performance of independently meeting or exceeding** expectations for the end of the year.

*Note: Once a goal is marked as ACHR, further evaluation in future learning experiences is optional. If a resident regresses in performance after a goal is marked as ACHR, it may be unchecked by the RPD or RPC.*

**Who can mark as ACHR?**

Documentation (within PharmAcademic) of a resident’s achievement of a goal/objective for the residency program will be the responsibility of the RPD, RPC, and mentor. This can be done at any point throughout the year, ideally in coordination with a formalized process for resident evaluation such as monthly Residency Advisory Committee or quarterly evaluations / customized training plans.

*Last revised 06.06.*
Benefits

- PGY1 Stipend: $49,920
- PGY2 Stipend: $53,040
- PGY1 Non-traditional Stipend (annual): $81,120
- Residents as full-time Froedtert employees are eligible for health, prescription drug, vision, dental, and life insurance, as well as disability coverage. Medical rate assistance program available.
- Other benefits include paid time off (PTO), employee assistance resources, discounted health club membership, and free on-site parking.
- Benefits information is located here: http://intranet.froedtert.com/?id=17947&sid=5

Resident Attendance Expectations

- Residents are expected to work at least 8 hours/day Monday-Friday
- Residents are expected to notify their program director and manager in advance (as soon as possible) in the event that they will not be on-site on a weekday (either due to PTO or work-from-home)
  - Residents must alert their preceptor and RPD in advance of planned work-from-home outside of the local area (i.e. > 60 miles from campus)
- The RPD and manager should be notified for the following circumstances:
  - Resident is taking scheduled PTO (vacation, interview, etc.) or bereavement time
  - Resident is off during the week with the intent of making up the day on a weekend
  - Resident has an unscheduled absence (illness, emergency, etc.)

Paid Time Off

- Residents are allotted 21 vacation days (paid time off – PTO). Residents are responsible for setting aside PTO for interviews and illness.
- Requests for time off must not fall on staffing days. If time off is needed during a staffing day, it is the resident’s responsibility to identify coverage and communicate the switch.
- It is the responsibility of the resident to notify their RPD and rotation preceptor of days off.
- Residents are not allowed to take PTO during the last 4 weeks of employment. Exceptions may be considered, but must be discussed and approved by manager in advance.
- Requests for ≤ 2 days off must be made at the beginning of the rotation in which they fall.
- Requests for > 2 consecutive days off should be made as soon as possible or at least one month in advance to allow for any necessary rotation schedule adjustments.
- In the case of an absence on rotation, making up the rotation day on a weekend as opposed to using PTO will be assessed on a case-by-case basis at the discretion of the rotation preceptor(s).
- Resident is responsible for updating Kronos to reflect days off prior to sign-off by manager.
- Ambulatory residents should work with their RPD and manager to identify opportunities for vacation/PTO.
- Residents are allowed bereavement pay per Froedtert’s policy. Time away for bereavement counts towards the 21 days away/year.
Figure 1. Entering Kronos and Documenting PTO

Quick Links

Manage My Information
- Kronos
- MyHR (Lawson Self-Serv)
- My QuickCharge
- Screen2Work Online Option
- Workforce Health Portal
- Workplace Well-Being

Do and Learn
- Access (formerly Clinapps)
- All Quick Links and Apps
- Axiom (Capital and Operating Budgets)
- Epic Web
- Learning Center
- Report a Patient Safety Event

Manage My Team
- All Quick Links and Apps
- Kronos
- MyHR

Manage My Work Space
- APS
- Meeting Room Directory
- MyIT
- Holy Family Memorial Links (Intranet)

Review Our Performance
- Froedtert.com
- MyDA (Analytics Products)
- Our Strategic Direction
- Every Moment Matters
- Strategic Insight (restricted access)

Connect With Others
- Directories (SPOK)
- Excellence in Action
- Scout Store
- Workplace

Enter network ID

Delete times
<table>
<thead>
<tr>
<th>Date</th>
<th>Pay Code</th>
<th>Amount</th>
<th>In</th>
<th>Transfer</th>
<th>Out</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fri 12/02</td>
<td></td>
<td>8.00AM</td>
<td>4:00PM</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Sat 12/03</td>
<td></td>
<td>8.00AM</td>
<td>4:00PM</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Sun 12/04</td>
<td></td>
<td>8.00AM</td>
<td>4:00PM</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Mon 12/05</td>
<td></td>
<td>8.00AM</td>
<td>4:00PM</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Tue 12/06</td>
<td></td>
<td>8.00AM</td>
<td>4:00PM</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Wed 12/07</td>
<td></td>
<td>8.00AM</td>
<td>4:00PM</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Thu 12/08</td>
<td></td>
<td>8.00AM</td>
<td>4:00PM</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Fri 12/09</td>
<td></td>
<td>8.00AM</td>
<td>4:00PM</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Click “+” to add a line

Add pay code of “PTO” and 8 hours under Amount
Holidays

- Residents who staff in areas that are open on holidays are required to staff up to two 10-hour holiday shifts during the residency year (described under Resident Staffing Requirements).
- Time off for holidays is subtracted from PTO.
- Residents may elect to be present on rotation (instead of taking PTO) on holidays when not assigned to “staff” with approval of preceptor and residency program director.
- If an assigned holiday falls on a weekend, the resident can choose to either take a day off of rotation the week prior to or after the holiday OR count the holiday towards their weekend shift requirements. This should be arranged with the RPD and manager.

Unscheduled Absences

- For inpatient rotation/oncology staffing/inpatient staffing shifts:
  - Contact central pharmacy at least two hours prior to shift start time (if possible) to notify them of illness/unscheduled absence (414-805-2690). The manager on-call will cover your scheduled shift if staffing. Depending on the circumstances, you may be asked to work an alternate shift to make up the missed staffing day. Also notify your RPD.
  - If on rotation, notify your preceptors and residency program director of the absence as soon as possible.
- For ambulatory rotation/retail staffing shifts:
  - Contact the on-call leader/coordinator at least two hours prior to shift start time (if possible) to notify them of illness/unscheduled absence (pager: 414-314-1369) regardless if you are on rotation or staffing
  - If staffing, the on-call leader/coordinator will seek coverage options for your scheduled shift. Depending on the circumstances, you may be asked to work an alternate shift to make up the missed staffing day.
  - If on rotation, the leader on-call will notify your preceptor(s), RPD, and manager of the absence. The resident may also send notification if desired.
- PTO will be used for unscheduled absences unless other arrangements are made with preceptors and your manager.

Bereavement

- Eligible staff may be granted a maximum of three scheduled work days, if necessary, to observe a period of bereavement when having suffered the loss of a:
  - Parent
  - Brother/Sister
  - Grandparent
- See Bereavement FH-HR.023 for additional details

Bonus Shifts

- PGY1 and PGY2 pharmacy residents at Froedtert are eligible to pick up bonus staffing shifts to help meet department staffing needs. Residents will be paid a lump bonus sum for working a half shift ($320) or full shift ($640). Bonus shifts will be paid every other pay period for the preceding four weeks.
- The following criteria apply:
  - Shifts will be solicited and approved by a manager. Available shifts will be assigned and divided between interested residents per manager and residency program director discretion
o Resident must be "meeting" or "exceeding" requirements of the residency program and meeting all applicable residency deadlines (i.e. low-performing residents should spend their time focusing on the residency program, not extra shifts)

o Residents will only be able to pick up shifts that do not conflict with residency responsibilities. This will mean that they would be eligible to pick up weekend shifts (when not staffing as residents) or the PM position (1700-2100) of open shifts.

o Shifts are paid as a bonus in half and full shift blocks (e.g. working from 1700 until 2130, instead of 2100, is still paid as a half bonus shift). Residents will not be mandated to work bonus shifts.

o ASHP (American Society of Health-System Pharmacists) duty hour guidelines apply.

o Residents should report bonus shifts worked to their manager. For residents working bonus shifts in the inpatient setting at FMLH, they will be added to Humanity by the manager who has assigned the shift which will prompt payment.

Professional Leave/Business Days

- Professional time will be granted to attend the ASHP Midyear Clinical Meeting, the Great Lakes Resident Conference, Wisconsin Pharmacy Resident Conference, and other meetings approved by the Residency Steering Committee.
- Additional days may be approved for the resident to use to attend other professional meetings; however, both approval by the resident’s program director and manager must be obtained.
- Maximum time away from residency for professional leave/business day is 16 days.

Professional Meeting Attendance and Funding

- Froedtert & MCW Residency Programs are committed to supporting residents to attend professional meetings.
- Funding (full or partial) for attendance at professional meetings may be available based on the financial situation of the organization.
- Funding, if available, may be used to offset expenses such as conference fees, airfare, lodging, and transportation to and from the airport (if applicable) up to the maximum allowed stipend amount.
- Residency program leadership will communicate available funding prior to registration deadlines for key meetings attended by residents.
- Residents may elect to self-fund in order to attend a meeting if funds from the organization are not available.

PGY1 Residents

- If funding is available, the following is expected of PGY1 level residents
  - Attend the ASHP Midyear meeting, Vizient Pharmacy Council meeting, and one regional residency conference.
  - Present a poster at the Vizient Pharmacy Council meeting.
  - Travel to the ASHP Midyear / Vizient Pharmacy Council meeting on Friday and participate at least through mid-day on Wednesday.
- In the event that a resident is unable to attend one of these meetings or if funding is not available, additional arrangements will be made to allow the resident to present a poster and a platform presentation in an alternative setting.

PGY2 Residents

- Attendance at the ASHP Midyear meeting is optional for PGY2 residents (unless required by the specific PGY2 program).
  - PGY2 residents who elect to attend ASHP Midyear are expected to attend the Vizient Pharmacy Council meeting immediately prior to the ASHP meeting and present a poster at the Vizient meeting.
PGY2 residents are expected to travel to the ASHP Midyear / Vizient Pharmacy Council meeting on Friday and participate at least through mid-day on Wednesday. Exceptions must be discussed with RPD and manager for approval.

- If funding is available, PGY2 residents may use funding to attend a different professional meeting or residency conference per the discretion of their RPD (e.g. ACCP, SCCM, HOPA, UGM, XGM, etc.).
- In the event that a resident is unable to attend one of these meetings or if funding is not available, arrangements will be made for the resident to present a poster and a platform presentation in an alternative setting.

**Expense Reports/Reimbursement**

- To complete an expense report:
  - Froedtert Scout (main screen) → Departments → Finance → Expense Reimbursement Requests (link: https://fh.sp.froedtert.com/sites/1580/default.aspx) → New Form
  - Enter your information
    - Manager: Kristin Hanson
  - Select “Edit”
    - Enter a new line for each expense (flight, conference registration, hotel, etc) or can submit separate forms as these expenses arise

  - To enter cost information:
    - Today’s date
    - Description
      - Flight = air/rail/bus
    - Company = 3000
    - Company description = Froedtert Hospital (should auto-populate)
    - Acct Unit = 40310
    - Account unit description = Pharmacy Residency Program (should auto-populate)
    - Account no. = 866100
    - Account no. description = Prof Development/Seminar Expense (should auto-populate)
    - Amount = (per your receipt)
    - Business purpose = (flight/conference/registration/etc)
    - FINISH

- Repeat above step for additional expenses (or submit separate reports)
- Attach PDF file of receipt
- Submit form → You should receive an email shortly confirming your submission
- All expense reports for travel must be completed prior to the trip or within two weeks from the return date in order to ensure reimbursement.
- All original receipts must be kept and attached to the electronic request.
- Residents are expected to keep track of their stipends and not request reimbursement for amounts greater than the allotted stipend.
- Contact your manager and RPD prior to planning any travel or before applying for reimbursement.

**Figure 2**: Company Codes and Accounting Units for Travel Reimbursement

<table>
<thead>
<tr>
<th>Company</th>
<th>Accounting Unit</th>
<th>Account Number</th>
<th>Account Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>PGY1 FMF</td>
<td>2010</td>
<td>40310</td>
<td>866100</td>
</tr>
<tr>
<td>PGY1 (Acute Care)</td>
<td>3000</td>
<td>40310</td>
<td>866100</td>
</tr>
<tr>
<td>PGY1 (Am Care)</td>
<td>3000</td>
<td>40310</td>
<td>866100</td>
</tr>
<tr>
<td>PGY1 (Admin)</td>
<td>3000</td>
<td>40310</td>
<td>866100</td>
</tr>
<tr>
<td>PGY1 Community</td>
<td>1430</td>
<td>75050</td>
<td>866100</td>
</tr>
<tr>
<td>PGY1 (MUSP)</td>
<td>3000</td>
<td>40310</td>
<td>866100</td>
</tr>
<tr>
<td>PGY2 Admin</td>
<td>3000</td>
<td>75000</td>
<td>866100</td>
</tr>
<tr>
<td>PGY2 Am Care</td>
<td>3000</td>
<td>75010</td>
<td>866100</td>
</tr>
<tr>
<td>PGY2 Crit Care</td>
<td>3000</td>
<td>75000</td>
<td>866100</td>
</tr>
<tr>
<td>PGY2 EM</td>
<td>3000</td>
<td>75000</td>
<td>866100</td>
</tr>
<tr>
<td>PGY2 ID</td>
<td>3000</td>
<td>75000</td>
<td>866100</td>
</tr>
<tr>
<td>PGY2 Informatics</td>
<td>1000</td>
<td>75002</td>
<td>866100</td>
</tr>
<tr>
<td>PGY2 MUSP</td>
<td>3000</td>
<td>75000</td>
<td>866100</td>
</tr>
<tr>
<td>PGY2 Oncology</td>
<td>3000</td>
<td>75020</td>
<td>866100</td>
</tr>
</tbody>
</table>
PharmAcademic Evaluations

- All Froedtert residency programs utilize PharmAcademic for completion of resident performance evaluations.
- All evaluations should be completed by the last day of rotation or absolutely no later than the following Sunday.
- PharmAcademic evaluations are critical for monitoring both resident progress and rotation experiences and should be completed thoroughly.

Duty Hours Tracking Documents

- Residents are expected to self-monitor their compliance with duty hours per the Duty Hours Policy.
- Duty hours documentation/attestation should be completed monthly in PharmAcademic.
- Residents are expected to be proactive in notifying their RPD in anticipation of exceeding duty hours.
- Residents should avoid picking up moonlighting/bonus shifts that will cause them to exceed duty hours.

Resources for Residents

Laptops, Workstations, and Pagers

- Residents will be issued laptop computers, home work stations, and personal pagers to be used throughout the year
  - Laptops: Laptops should be used as a workstation while on rotation (including for clinical rotations) and can be used at home as well. Laptops should be stored in a secure location.
    - Residents should not store documents containing Health Insurance Portability and Accountability Act (HIPAA) information directly on computer hard drives. These documents should instead be stored on the Froedtert Network and accessed via the VPN or remote access portal.
    - Residents should also password protect all documents containing Health Insurance Portability and Accountability Act (HIPAA) information (see example below “Example: How to Password-Protect Patient Data”).
  - Workstations: A monitor, laptop docking station, mouse, and keyboard are issued for use at home.
  - Pagers: Pagers should be carried by the resident while on campus. Expected response time if paged is 15 minutes or less during business hours. Residents may have assigned “on-call” times when pagers need to be carried 24/7. Residents may download an app to manage pages on their phone.
- Any loss or damage to these items must be reported to the residency program director as soon as possible. The resident may be responsible for covering any fees related to loss or damage. Equipment must be returned at the end of residency training program.
- If there are issues with device performance (i.e. low battery life, missing applications, etc), the resident is responsible for contacting IT for fix through the myIT app (see Figure 4).
- If you need assistance in making the request, contact Deanna Zapfel, Administrative Coordinator, Deanna.zapfel@froedtert.com
Figure 3. How to Password Protect Patient Data

Click “File”, then “Protect Workbook.” From the drop-down menu, select “Encrypt with Password”, then create a password.

Figure 4. How to enter MyIT requests (Use Epic Credentials to Log In to MyIT)
Figure 4 (Cont.). How to enter MyIT requests (Use Epic Credentials to Log In to MyIT)

VPN/Remote Access

- Residents must log in to the Automated Provisioning System (APS) in order to request remote access. [Intranet link to APS](#)
  - Use Froedtert Network Credentials to log in, and select “Request for Myself” under “My Access”
  - Type in “remote access” using search bar to find line item below (see screenshot). Select Remote – Basic Remote Access.

Figure 5. How to Request Remote Access via APS

Remote Access Portal (to access Froedtert network on a personal computer)

- To access remote portal, Citrix must be downloaded. The IT help desk may be contacted at (414) 805-2101 to assist with download if needed.
- The VIP App must be downloaded and used as a method for dual authentication. The app should be downloaded on a personal device while onsite at a Froedtert Campus in order to link it with an account. Step-by-step instructions for setting up the VIP app can be found [here](#).
- Link to Froedtert remote desktop: [https://remote.froedtert.com/](https://remote.froedtert.com/)
- Once logged in, the following applications should be available:
  - Epic
  - Microsoft Outlook, Excel, Word, PowerPoint, OneNote
  - Froedtert Intranet
  - Froedtert Network (H: Drive and I: Drive)

**VPN (used to access the Froedtert network offsite on a Froedtert issued computer)**
- In order to access the VPN, you will need access to the remote portal (above) and Cisco AnyConnect VPN Software on your laptop
- To see if you have the VPN software on your computer, click on the icon in Figure 6
- If you do not have the VPN application downloaded on your Froedtert issued laptop, request this application via a MyIT request under “Install Application” with the application being “Cisco AnyConnect VPN software”
- Instructions for logging into the VPN can be found here: I:\FMLH\PHARMACY\Residency Program\2022-2023\ALL Resident Orientation

**Figure 6. VPN Access**

---

**Personal Device Access**

- Residents may access email on a personal device (phone or tablet). The Froedtert Health Personal Device User Agreement must be completed in order to set up access on the device.
  - This can be found on Scout (also referred to as the “intranet”). Open internet explorer: [Homepage > Departments > Information Technology (Froedtert Health) > Froedtert Health Information Technology > Mobile Devices > MyITPortal](#)
Figure 7: Requesting Personal Device Sync

- Once access request has been processed, the Outlook App can be used to access email and calendar. Instructions on how to use the app are available on the IT website.

Workplace

- Workplace is the primary location for organizational communication. It is a work version of the Facebook platform.
- You will receive an email to set up a Workplace account.
- You should create a Workplace login using your Froedtert email address. You are also encouraged to download the Workplace app on your phone or tablet.
  - [https://froedtert.workplace.com/](https://froedtert.workplace.com/)
  - [Downloading the Workplace Mobile app](http://intranet.froedtert.com/upload/docs/Froedtert%20Health/Departments/Information%20Technology/Mobile%20Device%20Documents/iOS%20Outlook%20Support%20Document%20for%20Personal.pdf)
- All employees are expected to keep up-to-date with organizational communications posted on Workplace.
- Employees are also encouraged to comment/like posts and post work-related content.

WebEx Teams

- All Froedtert employees have access to the WebEx and WebEx Teams platform to use for virtual meetings.
- In order to schedule a meeting using WebEx, create a calendar appointment and in the location, type @webeex. Once the meeting is sent, login information will be populated within the body of the appointment.
• Additional capabilities are available using the WebEx Teams Application. This should be available on all Froedtert computers. It can also be downloaded onto a personal computer from: https://www.webex.com/downloads.html/.
• User guides for Webex Teams are posted here: https://fh.sp.froedtert.com/cwt/cwt/index.html

Figure 8: Meeting Set-Up Using Webex Teams

Email Expectations

• Residents are expected to check Froedtert email daily Monday through Friday during the work week. Responses to email are expected within 24 “business hours” of receipt.
• The specified response time is not required during PTO/vacation, however residents should use an out-of-office alert to notify sender of absence. Residents are expected to follow-up on email as soon as possible upon return.
• It is expected that residents create an email signature using the Froedtert approved template (see link below). Directions on how to set up an email signature can be found on the Scout page under Marketing and Communications Department – Brand Resource Center http://intranet.froedtert.com/?id=17585&sid=5

Figure 9: Setting an Out of Office Alert (Automatic Reply)
Dress Code

- In general, residents are expected to wear business casual attire while on rotation and staffing in decentralized units, ambulatory clinics, outpatient pharmacies, or office environments.
- Scrubs are acceptable in the ED, OR, and pharmacy operations areas (central, day hospital, etc.). In the ED and pharmacy operations areas, residents may choose to wear their own scrubs or request Froedtert issued scrubs. In the OR, residents must wear Froedtert issued scrubs.
- More formal attire will be required for special events. For example, suits are required for presentations outside the organization (i.e. Midyear posters, Great Lakes Presentations)
- White coats are strongly encouraged when on a clinical rotation or when staffing decentrally.

White Coats

- Additional white coats may be ordered using the order form below.
  - The department will reimburse residents for embroidery, but the resident will be responsible for paying for the coat
- Deanna Zapfel, Administrative Coordinator, is the contact person for white coats should you need any additional coats throughout the year

Scrub Request Forms

- Froedtert issued scrubs must be worn in OR areas and may be worn in ED and pharmacy operational areas. The scrub request form is available on the Environmental Services site: [http://intranet.froedtert.com/?id=26274&sid=1](http://intranet.froedtert.com/?id=26274&sid=1)
- Complete form, obtain manager signature, and fax
- Contact Deanna Zapfel, Administrative Coordinator, with any questions

Business Cards

- Residents should place orders for business cards prior to September so that they arrive in time for recruitment season
  - This can be found on Scout [https://fh-printservices.com/internal/](https://fh-printservices.com/internal/)
  - Use the following titles:
    - “PGY1 Pharmacy Resident”
    - “PGY1 Health-System Pharmacy Administration and Leadership Resident”
    - “PGY1 Medication Use Safety and Policy Resident”
    - “PGY2 (Program Name) Pharmacy Resident”

Residency Project Resources

Residency Project Sharepoint

- Information about research protocols, posters, and presentations can be found [here](https://fh-printservices.com/internal/)
- There are also past resident project abstracts, posters, and presentations on this website that may serve as examples

MCW Biostatistics Support

- Residents will have the opportunity to seek statistics support for their projects through the MCW Biostatistics Department.
- The Pharmacy Research Committee will prioritize and approve resident projects for statistics support based on complexity of the statistics required, type of project, likelihood of publication, and other factors.
- This document describes process for requesting biostatistics support.

Presentation and Poster Templates

- **Presentations**
  - Froedtert Health has created a presentation template that should be used when preparing presentations to be shared internally and/or externally.
  - Residents should use the template with the Froedtert & Medical College of Wisconsin logo.
  - Templates are located here: [http://intranet.froedtert.com/?id=17587&sid=5](http://intranet.froedtert.com/?id=17587&sid=5)
  - Pharmacy-specific templates will be shared via the I: Drive or email

- **Posters**
  - The Pharmacy Research Committee has developed templates to be used for student, resident, and staff-presented posters.
    - Poster templates are located here: [I:\FMLH|PHARMACY|Residency Program|2022-2023|Posters and Poster Templates](I:\FMLH|PHARMACY|Residency Program|2022-2023|Posters and Poster Templates)
  - Instructions for printing posters:
    - Go to Froedtert Scout page (main page) → Around Campus → Print Services
    - Click “FH Print Request Site”
      - Create a new account or log in to your account if you already have one

- Click here FH print request site

- Select “Custom Orders”

- Select “Large Format”
Enter width and height as shown in the screenshot below (note that this is the opposite of the way it is displayed in PowerPoint).

Please make sure to enter your order correctly. If you enter incorrect specs your order will be cancelled and you will need to place your order correctly.

If you need help placing your order, please 262-532-5151/262-532-5152 or email printservices@froedtert.com.

Here is a list of COMMON sizes:
- 10x30
- 18x24
- 20x22
- 22x28
- 24x36

Sizes below CANNOT be laminated:
- 48x96 (use for tri-fold foamcore)
- 60x36
- 72x36

Upload your file and enter a "Job Description"
- Make sure to rotate the image 90 degrees so that it fits on the page

- Final image should look like this before you continue

- Review final proof and "accept proof"
- Complete billing and delivery information

**Your First Name:** Anna
**Your Last Name:** Zaslawski
**Your Email Address:** anne.zaslawski@fnfroedert.com

**Billing Information:**
**Company Code:** 2000 - Froedtert Hospital
**Accounting Unit / Cost Center:** 40310 PHARMACY RESIDENCY PROGRAM

**Shipping Information:**
Choose "Pharmacy" for your department
Include your cell phone.
If you are at ISC, you can choose to pick up your poster at the copy center.
Choose the address where you would like items to be delivered. If you are on Froedtert campus choose 5200 W Wisconsin.
Posters should get delivered to mail room on 1st floor west hospital. You will get an email when they arrive.
Additional General Information

Wisconsin Prescription Drug Monitoring Program (ePDMP)

- Residents should register with the Wisconsin Prescription Drug Monitoring Program as it will be a needed resource to carry out staffing duties as a pharmacist (note that you will need to be licensed in order to register)
- Prescribers are responsible for checking ePDMP prior to prescribing any controlled substances at discharge or for use in the ambulatory setting
  - **Apply for access**
    - Go to: [https://pdmp.wi.gov/](https://pdmp.wi.gov/)
    - Click "Register"
    - Select "Healthcare Professional"
    - Complete required fields including your license number
    - Select a username and password
    - Look for confirmation email from "noreply@pdmp.wi.gov"
  - **Logging in**
    - Go to: [https://pdmp.wi.gov/](https://pdmp.wi.gov/)
    - Type in username and password
    - Click "Patient Report" to look up a patient

Basic Life Support (BLS) and Advanced Cardiac Life Support (ACLS) Certifications

- Froedtert offers certifications in Basic Life Support (BLS) and Advanced Cardiac Life Support (ACLS)
GY2 residents in Critical Care and Emergency Medicine and PGY1 acute care, PGY1 HSPAL, and PGY1 MUSP residents are required to maintain ACLS certification. ACLS is optional for other PGY2 residents.

- Residents are expected to complete ACLS training prior to starting ICU or ED rotations or staffing in these areas.
- BLS is required for all residents who will be working in the outpatient/retail settings in order to administer immunizations.

**Enrollment**
- Enrollment is completed through The Learning Center by searching for ACLS or BLS
- Prior to being able to access materials for the course, a manager must approve the resident's enrollment via The Learning Center
- Residents may take one project day to complete the course. Residents are responsible for scheduling Part 2 of ACLS/BLS based on their rotation/staffing schedule

**Figure 10. Registration in The Learning Center for ACLS and BLS Training**

- **ACLS**
  - Online portion takes about 7 hours and requires knowledge of CPR as well as ability to identify basic rhythms. This portion is very comprehensive and does take some preparation to pass. Some course materials are provided, although the use of other resources may be helpful
  - “Megacode” portion (Part 2) is scheduled separately and occurs off-site (usually across the street within the WAC building). Participants are required to run a code without the assistance of others. This portion takes about 4 hours and occurs after the online portion is completed
  - Completion of both portions of the course is required in order to pass

**Parking**

- Residents must adhere to their assigned parking location.
  - On Saturdays, Sundays, and major holidays, residents may park in patient parking structures (Parking area 1 on 92nd street and 3 on 87th street).
  - During off-Peak Times (Mon-Fri, 6PM-8AM), residents may park in parking area 1 or parking area 3. Must arrive AFTER 6PM and leave BEFORE 8AM.
- Residents are encouraged to use technology for participation in off-site meetings using WebEx in order to minimize travel time.
- Additional details about parking can be found in the parking handbook.
- Parking Scout Page: [http://intranet.froedtert.com/?id=358&sid=1](http://intranet.froedtert.com/?id=358&sid=1)

**Project Days**

- Residents may be allocated project days at the discretion of their residency program director. These days are to be used for program-related projects and research activities.
- The number of days and when they can be taken will vary based on the residency program.
- Residents may choose to work remotely on their project days but should be available via WebEx, email, and/or cell phone.

**Working Remotely**

- Some pharmacy department staff have transitioned to work-from-home (WFH) full-time or in a hybrid model. Generally, residents will be expected to work-from-home if completing a rotation in these areas.
- All informatics team members are permanent WFH; center for medication use and stewardship pharmacists are currently in a hybrid model.
- If a resident intends to work-from-home in a location outside of the local area (ie, their home in the Milwaukee area), their RPD and/or manager must be contacted to approve this arrangement in advance.

**Vizient Committee Involvement**

- Residents may elect to join the Vizient Pharmacy Network Committees of their choosing at the start of the residency year.
- This elective experience will provide residents the ability to participate in projects and network with individuals at academic medical centers across the country.
- The Froedtert team has been involved in the following committees:
  - Ambulatory Pharmacy Development
  - Business of Pharmacy Enterprise
  - Cancer Care
  - Med Use Informatics and Technology
  - Professional Development Workforce
  - Quality Safety and Compliance
  - Research
  - Supply Chain Optimization

**Academia Opportunities**

- Academia and precepting opportunities are available through Concordia University of Wisconsin (CUW) School of Pharmacy, the Medical College of Wisconsin (MCW) School of Pharmacy, and University of Wisconsin-Madison (UW) School of Pharmacy.
- An optional teaching certificate is available through the Medical College of Wisconsin.

**Research Certificate**

- Residents have the option of completing a formal Pharmacy Research Certificate over the course of residency training.
- Residents are encouraged to discuss participation in the Research Certificate with their program director.

**Pharmacy Society of Wisconsin Membership**

- [Pharmacy Society of Wisconsin](http://www.pharmacywisconsin.org) membership dues are covered by Froedtert & the Medical College of Wisconsin for all pharmacy residents and staff.
- PGY1 residents who are in their first year of practice receive their first year of registration free regardless of employment and are encouraged to register with PSW and affiliate with Froedtert.
• PGY2 residents who are new to Froedtert will be added to Froedtert’s member list within the first half of the residency year.

Wellness and Resilience Resources
• In addition to residency programming to address wellness, resilience, and prevention of burnout, Froedtert Health offers a variety of wellness resources to all employees.
• Many of these are listed on the Wellness Works intranet page: [http://intranet.froedtert.com/wellnessworks](http://intranet.froedtert.com/wellnessworks)
• The Employee Assistance Program (EAP) also offers a variety of services that are included within the Froedtert benefits package at no extra charge: [http://intranet.froedtert.com/EAP](http://intranet.froedtert.com/EAP)

Excellence in Action
• This platform can be used to submit recognitions for fellow residents, other pharmacists/pharmacy staff members, or other healthcare professionals or staff who went above and beyond to help you, a patient, or others.
• Link: [http://intranet.froedtert.com/?id=24359&sid=5](http://intranet.froedtert.com/?id=24359&sid=5)

COVID19 Resources and Guidance
• Information regarding COVID19 changes quickly. Employees are encouraged to visit the intranet pages below for the most up-to-date information. Residents are also encouraged to carefully review organizational and departmental communications regarding this topic as they are released.
• Information from Internal Occupational Health regarding COVID19 exposure or symptoms is available [here](http://intranet.froedtert.com/EAP).
• General information about COVID19 at Froedtert can be found [here](http://intranet.froedtert.com/EAP).
• Clinical resources about COVID19 can be found [here](http://intranet.froedtert.com/EAP).
• Froedtert residents will adhere to any Froedtert Health mandated business travel restrictions due to COVID19.
• All staff must wear a mask when working in patient care areas.

Figure 11. Froedtert & MCW Mobile App and Screen2work
The Medical College of Wisconsin (MCW) Pharmacy School Teaching and Learning Certificate Program offers an innovative and interprofessional learning environment that prepares the educators of the future for success in didactic and experiential settings.

**PROGRAM BENEFITS**

**Innovative** Our curriculum embraces active learning pedagogy, employing team-based learning (TBL) and utilizing technology to enhance the learning experience. Participants may gain experience with several educational platforms, including ExamSoft, TopHat, Storyline Articulate, GoAnimate!, and NeohrPerfect.

**Interprofessional** Collaborative, interprofessional learning is a cornerstone of MCW’s teaching philosophy. Participants will have the opportunity to participate in interprofessional educational sessions with local health professions students, including physicians, nurses, medical interpreters, anesthesiologist assistants and others.

**Flexible** We provide on-demand, web-based learning sessions and a two-year program completion window to provide flexibility for participants to complete requirements at their own pace.

**Personalized** The small size of our program enables us to provide personalized support and feedback to program participants. All participants will have a formal mentor to encourage their professional growth throughout the program. Academic Educator Distinction is available for participants who desire additional training and experience to prepare for a career in academia.
TEACHING CERTIFICATE PROGRAM STRUCTURE

- Participants may elect to complete the program requirements over 1 or 2 years
- Required learning modules are provided as a combination of live educational seminars and recorded web-based lectures
- Didactic learning opportunities are available in several core MCW Pharmacy School courses, including the longitudinal Patient Care Lab and the Integrated Sequence therapeutics classes

Residents
The program is designed to facilitate achievement of PGY1 and PGY2 ASHP residency program objectives relating to teaching and precepting

TEACHING CERTIFICATE REQUIREMENTS

At a minimum, participants will engage in the following activities at the MCW Pharmacy School:
- Attend introductory session “boot camp” at the beginning of the academic year (July)
- Complete required monthly modules (live and remote sessions offered)
- Deliver two hours of didactic lecture
- Lead one Patient Care Lab activity
- Facilitate six Patient Care Lab activities
- (Co)-Precept one IPPE/APPE student
- Develop a teaching portfolio and personal teaching philosophy

Available live/online modules include:
Teaching and Learning Styles • Curricular Design • Teaching with Technology • Evaluation and Assessment Strategies • Preceptor Essentials • Academia Structure, Rank & Promotion • Learning Objectives • Effective Presentations • Scholarship of Teaching and Learning • Interprofessional Education • And Many More!

PROGRAM COSTS

The cost of the program for practicing pharmacists is $400. A discounted enrollment cost of $100 is available for MCW Preceptors participating in the Preceptor Benefits Program, bronze-gold level. Complimentary enrollment is provided for pharmacists currently enrolled in a residency program.
Pharmacy Research Certificate Overview

Residents have the option to complete a formal Pharmacy Research Certificate over the course of their residency training. The certificate is optional for most residents. However, individual residency programs have the opportunity to require additional components as part of certificate completion; they may also require the certificate as part of residency completion requirements. Discuss with your Residency Program Director what his or her expectations are for the Pharmacy Research Certificate.

The purpose of the Pharmacy Research Certificate program is to enhance the research development curriculum at Froedtert & the Medical College of Wisconsin (MCW) and to provide rigorous training for those interested in pursuing a career with continued scholarly pursuits.

Goals and Objectives:

1. Increase comfort and awareness of the various research processes and resources available
   a. Improve understanding of how to develop a research question
   b. Improve understanding of research processes
   c. Decrease barriers to research
   d. Familiarize participants to research to increase the number of research mentors
   e. Increase engagement in research

2. Improve quality of research project submissions
3. Improve the quality of research posters and presentations
4. Increase ability to apply appropriate statistical tests while writing a protocol and analyzing results

Program Leadership:

Chair:
Kristin Busse, PharmD, BCPS
Assistant Professor of Regulatory Sciences
Medical College of Wisconsin, School of Pharmacy
Regulated Research Oversight Program Director
Medical College of Wisconsin, Office of Research
Medical College of Wisconsin
8701 W Watertown Plank Rd
Milwaukee, WI 53226
kbusse@mcw.edu

Advisory Committee:
William J. Peppard, PharmD, BCPS, FCCM
Pain Stewardship Coordinator
Froedtert & the Medical College of Wisconsin
william.peppard@froedtert.com

Joel T. Feih, PharmD, BCCCP Clinical Pharmacist, Froedtert Hospital
PGY2 Critical Care Pharmacy Residency Program Director
Froedtert & the Medical College of Wisconsin
joel.feih@froedtert.com

Audrey Kostrzewa, PharmD, MPH, BCPS
Medical Utilization Pharmacist
Froedtert & the Medical College of Wisconsin
Associate Professor
Concordia University School of Pharmacy
audrey.kostrzewa@froedtert.com
Audrey.Kostrzewa@cuw.edu

Anne Zechlinski, PharmD, BCPS
Pharmacy Coordinator
PGY1 Pharmacy Residency Program Director
Froedtert & the Medical College of Wisconsin
anne.zechlinski@froedtert.com

Kajua Lor, PharmD, BCACP
Founding Chair/Associate Professor, Clinical Sciences Department
Medical College of Wisconsin School of Pharmacy
kblor@mcw.edu
Components for Completion of the Certificate:
- Attendance at 100% of Research Development Series sessions
- Active participation in Research Development Series sessions, whether joining live or virtual
- Completion of a brief quiz after each session [Required – due 30 days after each session]
- Program evaluation and feedback [Required – due 30 days after each session]
- Abstract submission [Required – due 4/1/2024]
- Poster or oral presentation at a national-, regional-, or state-level meeting [Required – due 6/1/2024]
- Poster presentation at MCW School of Pharmacy Research Forum in May [Required]
- Preparation of a manuscript suitable for publication in a peer-reviewed journal

Note: For Residents, Residency Program Director approval is required prior to granting the certificate. The Research Certificate is optional for most residents. However, individual residency programs have the opportunity to require additional components as part of certificate completion; they may also require the certificate as part of residency completion requirements. Discuss with your Residency Program Director what their expectations are for the Research Certificate.

Research Development Series (RDS):

Most sessions are approximately 1 hour long and will occur during a typical Academic Afternoon schedule. To achieve 100% attendance, participants will have to view the session either synchronously (in person or virtual) or asynchronously and complete a brief quiz. Sessions will be recorded and provided via Webex Teams.

Each session has associated objectives and recommended project activities. The participant is expected to complete the recommended project activities prior to the corresponding discussion session and then use the information from each session to modify and optimize that component of their residency project.

<table>
<thead>
<tr>
<th>Timing</th>
<th>Topic</th>
</tr>
</thead>
<tbody>
<tr>
<td>July through September</td>
<td>Introduction to Projects at Froedtert &amp; the Medical College of Wisconsin</td>
</tr>
<tr>
<td>(approximately once weekly)</td>
<td>Developing a Research Question and Specific Aims</td>
</tr>
<tr>
<td></td>
<td>Institutional Review Board (IRB) and Institutional Research Processes</td>
</tr>
<tr>
<td></td>
<td>Introduction to Citation Managers and Practice Workshop</td>
</tr>
<tr>
<td></td>
<td>Study Design 101</td>
</tr>
<tr>
<td></td>
<td>Meta Analysis and Scoping Reviews</td>
</tr>
<tr>
<td></td>
<td>Statistics 101</td>
</tr>
<tr>
<td></td>
<td>Applied Statistics</td>
</tr>
<tr>
<td></td>
<td>Preparing and Delivering a Research Abstract</td>
</tr>
<tr>
<td>October</td>
<td>Data Management</td>
</tr>
<tr>
<td>January</td>
<td>Applied Statistics – Workshop</td>
</tr>
<tr>
<td>February</td>
<td>Manuscript Preparation</td>
</tr>
<tr>
<td>March</td>
<td>Open Access Publishing</td>
</tr>
</tbody>
</table>

Residents are encouraged to reach out to Research Certificate Program leadership with questions or for further discussion. An overview presentation will be provided during New Resident Orientation. If planning to participate, a commitment to the program will be required by mid-July.
Inpatient Staffing Information

There are 2 primary staffing models in the department:

7/70 staff
- These pharmacists work Monday through Sunday (7 days) and work 10 hours each day. During this stretch, they work on their primary team as either straight AM shifts or PM shifts. They will then have the following 7 days off
  - What this means for residents is that you may have a different preceptor during each week of rotation. For example, during a 4-week rotation you may have the same preceptor on weeks 1 and 3 and a different preceptor on weeks 2 and 4
  - “A week” and “B week” are designated 7 day stretches at Froedtert to reflect the 7/70 model
  - Other departments, such as nursing, also follow this model
  - Staff are only paid for the hours they work (eg. 70). Some staff who work 7/70 would like to work a full 80 hours each pay period, so they will work an “8th day” during their off week. This is also a 10-hour shift, but usually not on their primary team.
  - 7/70 (and 8/80 staff) work every other weekend. Both 7/70 and 8/80 are considered full time employment.
  - ICU, oncology, transplant, cardiology, central (0630 and C1030), and ED pharmacists have 7/70 or 8/80 scheduling

8 hour rotating staff
- These pharmacists work primarily Monday through Friday, 8 hour shifts
  - Eight hour pharmacists work a mixture of AM and PM shifts. When possible, 8-hour pharmacists are scheduled for a week stretch on the same team for continuity of care. They then rotate to a different team or work PMs on their other week.
  - These pharmacists also work weekends, but less frequently (about every 4th).
  - Pharmacists in medicine, surgery, neurology, central (C8 position), and the pre-admission testing clinic work this type of schedule.

Resident Staffing Requirements

Weekday Staffing
- Residents staff in 1-2 week blocks at a time. A week consists of Monday-Friday PM shifts, usually 11:30AM to 10PM (10 hours).
- During a single week, the resident staffs on the same area. This allows the resident to become a part of the team, get to know the physicians and nurses on that unit, and most importantly, follow patient progress and the results of their interventions or recommendations.
- PGY1 residents work 9 weeks throughout the year on a medicine or surgical unit.
- PGY2 residents work 7 weeks throughout the year. An effort is made to schedule PGY2 residents in their area of specialty. PGY2s in administration, drug information, medication safety, and informatics will staff a mix of central and decentral staffing weeks.

Weekend Staffing
- Weekend staffing will occur on different weeks from weekday staffing blocks, during rotation weeks.
- These weekend staffing shifts may include working in central pharmacy, staffing a patient care team, providing med history/reconciliation help, etc. Weekend staffing shifts will also be 10 hours.
- PGY1 residents will work 12 weekends (Saturday and Sunday) throughout the year
- PGY2 residents will work 10 weekends (Saturday and Sunday) throughout the year unless additional staffing weekends are required by the PGY2 program (see PGY2 program-specific information for more details).
• PGY2 residents will be assigned weekends upon schedule publication. Residents must select weekends off around their staffing weeks if a 7-day staffing stretch is not preferred. Residents typically may make schedule requests on 2 of 4 weekends per schedule period.

Additional staffing for PGY1 residents will include:
• Four additional eight hour shifts distributed throughout the year to complete the staffing requirements.
• All PGY1 Residents will staff one 7-day week, Monday – Sunday, during the month of December. This week will occur over Christmas week or New Year’s week. PGY1 residents will be compensated by having the opposite 7-day week off from work.

Holiday Staffing
• Each resident must work two 10 hour holiday shifts
• PGY1 residents will work one of the following groups of holidays:
  o New Year’s Day and Thanksgiving Day
  o Christmas Day and Memorial Day
  o Once assigned, PGY1 residents may switch holidays with other PGY1 residents. Holiday switches with staff pharmacists require manager approval.
• PGY2 residents will also work two 10-hour holiday shifts (usually a major and minor) as assigned by clinical managers.
  o PGY2 Admin and MUSP residents will typically work July 4th between their 1st and 2nd year.
  o If an assigned holiday falls on a weekend, the resident can choose to either take a day off of rotation the week prior to or after the holiday OR count the holiday toward their weekend shift requirements (this does not apply to the 7/70 weeks worked by the PGY1 residents over the winter holidays).

Inpatient PGY2 Weekend Staffing

PGY2s will submit their weekend availability for each schedule when requested by the pharmacist scheduler. Residents may indicate “no availability” for up to two weekends per schedule. If a resident does not submit availability by the schedule request deadline, it will be assumed that the resident does not have a weekend preference.

High Demand Weekends

The following weekends are considered high demand weekends due to a large number of staff members requesting off. Availability requests for PGY2 residents during these weekends are not guaranteed and approval for the weekend off will not be known until schedule publication (approx. 6-8 weeks in advance). Manager approval must be obtained for extenuating circumstances.
• Internal PGY2s will be available to work two July weekends (at beginning of residency year)
• Labor Day Weekend
• The weekend after Thanksgiving (residents who are off Thx, will NOT be scheduled for this weekend unless otherwise requested)
• The weekends prior to and after Christmas (residents who are off Christmas may select to be off one of these two weekends)
• Spring Break/Easter weekends (mid/end of March)
• Memorial Day Weekend
• Last weekend in June and 1st weekend in July (end of year for external PGY2)
**Inpatient Staffing Model**

Staffing model is subject to change. Log in to [http://www.humanity.com](http://www.humanity.com) to find the most updated version of staffing model document – “Pharmacist and Intern Staffing Model”, which is listed under ‘Shared Files’

<table>
<thead>
<tr>
<th>AM Pharmacists</th>
<th>Overlap (1130 start)</th>
<th>PM Pharmacists</th>
<th>Overnight Pharmacists</th>
</tr>
</thead>
<tbody>
<tr>
<td>Medicine</td>
<td>4-5 hour overlap</td>
<td>pMed1 (8 or 10hr+) 4ME, 45W, 55S, CIU (split) (pool with pMed2 at 1600)</td>
<td><strong>Move to Central @ 2000; assist with all units</strong></td>
</tr>
<tr>
<td></td>
<td></td>
<td>pMed2 (8 or 10hr+) 7NT ACU, BNT, 5NT, SNE Obs non-MT13 patients, CIU (split) (pool with pMed1 at 1600)</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>pMed3 (8hr), TBD, determine coverage with pMed1 and pMed2 until new plan finalized</td>
<td></td>
</tr>
<tr>
<td>Surgery/Neuro</td>
<td>3.5-4 hour overlap (1130 start)</td>
<td>pSurg1 (8hr) remote work, support all surgery/neuro units</td>
<td><strong>Move to Central @ 2000; assist with all units. Stay logged into 3W Voices and keep name on treatment team when more to Central at 2000.</strong></td>
</tr>
<tr>
<td></td>
<td></td>
<td>pSurg2 (8hr) 2NT, 10CFAC, 4PV beds 7-20</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>pSurg3 (10hr) 300, 50W, 35 beds on 3W (assignment based upon patient type and discussion with pCards pharmacist)</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>pSurg4* (10hr) 11CFAC, 11CFAC</td>
<td></td>
</tr>
<tr>
<td>Cardiology</td>
<td>6 hour overlap</td>
<td>pCards1 (10hr; 1145 start): CVICU, 35 beds on 3W (assignment based upon patient type and discussion with pCards pharmacist)</td>
<td></td>
</tr>
<tr>
<td>Transplant</td>
<td>5 hour overlap</td>
<td>pTx1 (10hr; 1250 start): 4NW, TICU, 4PV beds 1-6</td>
<td></td>
</tr>
<tr>
<td>Oncology (Share 94 beds)</td>
<td>6 hour overlap</td>
<td>pOnc1 (10hr; 1130 start): 78/8/9 CFAC</td>
<td></td>
</tr>
<tr>
<td>Critical Care (0700-1730)</td>
<td>5-6 hour overlap</td>
<td>pCICU (10hr; 1130 start): ICU, NICU, ED boarders</td>
<td></td>
</tr>
<tr>
<td>Emergency Department (0700-1730)</td>
<td>4 hour overlap</td>
<td>pED (10hr; 1330 start) Emergency Department</td>
<td></td>
</tr>
<tr>
<td>Central</td>
<td>5-7 hour overlap</td>
<td>pCICU (10hr; 1330 start): Central, Birth Center, MT13 (Obs)</td>
<td><strong>Pick up Infusion, Clinic and OR @ 1500 and SICU (10hr; 1230 start) Share hospital coverage</strong></td>
</tr>
</tbody>
</table>

* = The medicine system lists include medicine team patients on the following floors: 4ME, 45W, 55S, SNE Obs, 7NT, 7NT ACU, BNT, 5NT, MICU, and CIU

** = resident shift
### Inpatient Staffing Model (Weekends)

<table>
<thead>
<tr>
<th></th>
<th>AM Pharmacists</th>
<th>PM Pharmacists</th>
<th>Overnight Pharmacists</th>
</tr>
</thead>
</table>
| **Medicine (0700-1530)** | wMed1: 4NE + 5NE Obs non-MT13 patients/7NT Acute/CIU beds 7-16 divided coverage  
                        wMed2: 5SE + 5NE Obs non-MT13 patients/7NT Acute/CIU beds 7-16 divided coverage  
                        wMed3: 9NT + 5NE Obs non-MT13 patients/7NT Acute/CIU beds 7-16 divided coverage  
                        wMed4: 8NT + 5NE Obs non-MT13 patients/7NT Acute/CIU beds 7-16 divided coverage  
                        wMed5: 4SW + 5NE Obs non-MT13 patients/7NT Acute/CIU beds 7-16 divided coverage  | wpMed (10hr; 1130 start; with 5NE Obs/7NT Acute coverage)  
                        wpSurg (10hr; 1130 start; on 10CFAC + log into Vocera)  
                        *Move to Central @1530  
                        Open all med/surg queues @1530; Reach out to cardiology pharmacist @1530 to see if assistance is needed  
                        Add transplant/onc/cards queues @1730 | 4 hour |
| **Surgery/Neuro (0700-1530)** | wSurg1: 2NT, 10CFAC beds 23-27^  
                        wSurg2: 4PV, 10CFAC beds 1-17  
                        wSurg3: 5NW, 55W beds 1-10  
                        wSurg4: 11CFAC, 10CFAC beds 18-22  
                        wSurg6: 12CFAC, 10CFAC beds 28-32 |  |  |
| **Cardiology** | Cards1 (10hr): CVICU, @1530 assist 6W + 4 7NT ICU beds + ERU  
                        Cards2 (10hr): 3W 25 beds, 55W beds 11-15  
                        wCards3 (8hr): 3W 25 beds, 55W beds 16-20 |  |  |
| **Transplant (0700-1730)** | Tx1 (10hr): TICU, split CIU beds 1-6 with Tx2  
                        Tx2 (10hr): 4NW, split CIU beds 1-6 with Tx1 | 6 hour |  |
| **Oncology** | Onc1 (10hr): 7B/9 CFAC  
                        Onc2 (10hr): 7B/9 CFAC  
                        Onc3 (10hr): 7B/9 CFAC  
                        Onc4 (8hr): 7B/9 CFAC | N3 (10hr; 2145 start) and N4 (10hr; 2345 start) and share coverage of CVICU, ED, NICU, MICU, SICU, TICU, 7NT |  |
| **Critical Care (0700-1730)** | ICU1 (10hr): SICU + 4 7NT ICU beds + ERU (login to Vocera)  
                        ICU2 (10hr): NICU + 4 7NT ICU beds + ERU  
                        ICU3 (10hr): MICU (WNT) + ERU | wpICU (10hr; 1130 start); CVICU, MICU, NICU, SICU, TICU, 7NT ICU | 6 hour |
| **ED (0700-1750)** | ED: Emergency Department | pED (10hr; 1330 start; ED + open queue for inpt units @ 1530) | 4 hour |
| **Central (0630-1700)** | C1: Birth Center, OR, MT13 (Obs), Bluemound (55 beds)  
                        pC1 (10hr; 1630 start): Birth Center, OR, MT13 (Obs), Bluemound | N (10hr; 2100 start) and N22 (10hr; 2200 start) and share hospital coverage | 6 hour |

* wSurg1 to assist C1 with verify queue if needed

^ wpOverflow shift will be staffed subject to needs of overflow areas open, wpOverflow RPh to work with wpMed and wpSurg to triage and support the needs of all other areas if needed
## Inpatient and Oncology Team Details

<table>
<thead>
<tr>
<th>Team</th>
<th>Units</th>
<th>&quot;A&quot; Week</th>
<th>&quot;B&quot; Week</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Medicine</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Med1</td>
<td>8NT (MT 1, 10, 22, 8NT non-medicine patients)</td>
<td>Caitlyn Trapp</td>
<td>Amber Wollenziehn</td>
</tr>
<tr>
<td>Med2</td>
<td>7NT Acute (MT 2, 11, 23, 5NE Obs non-MT13 patients, 7NT Acute non-medicine patients)</td>
<td>Jory Ward*</td>
<td>LaRae Bagnall</td>
</tr>
<tr>
<td>Med3</td>
<td>9NT (MT 3, 9, 14, 25, 9NT non-medicine patients)</td>
<td>Alison Glienke</td>
<td>Brittany Tefft</td>
</tr>
<tr>
<td>Med4</td>
<td>4NE (MT 4, 12, 17, 24, 4NE non-medicine patients)</td>
<td>Joanne Antonopoulos</td>
<td>Matt Zimmerman</td>
</tr>
<tr>
<td>Med5</td>
<td>5SE (MT 5, 19, 20, 5SE non-medicine patients)</td>
<td>Daniel Brusch</td>
<td>Jess Luzi</td>
</tr>
<tr>
<td>Med6</td>
<td>4SW (MT 6, 15, 18, 21, 4SW non-medicine patients)</td>
<td>Laurie Dworak</td>
<td>Matt Birschbach</td>
</tr>
<tr>
<td>Med7</td>
<td>CIU (MT 7, 8, 16, CIU non-medicine patients)</td>
<td>Lionel Sielatchom Noubissie</td>
<td></td>
</tr>
</tbody>
</table>

| **Surgery & Neurology** | | | |
| Surg1 | 2NT (32 beds) | Leah Holschbach | Sara Hubbard* |
| Surg2 | 10CFAC (32 beds) | Rotating | Aaron Lentz |
| Surg3 | 4PV, ERU (20/8 beds) | Rotating | Rotating |
| Surg4 | 5NW (30 beds) | Sarah Crober | Kim Knoernschild |
| Surg5 | 11CFAC (32 beds) | Kaytie Weierstahl | Ann Birkenstock/Sarah Solano |
| Surg6 | 12CFAC (32 beds) | Debbie Kessen | Rotating |
| Surg7 | 5SW (19 beds) | Rotating | Kyle Moomey |

Rotating team members: Julie Haase, Brittney Duewell, Brian Pella, Libby Sutton, Stephanie Neilson, Eileen Shannon, Nicki Wex, LaRae Bagnall, Edward Long

| **Critical Care/ED** | | | |
| ICU1 | SICU (21 beds) | Sara Hoffman | Dave Herrmann |
| pICU1 | SICU, NICU (41 beds) | Elizabeth Scanlon | Lindsey Dailey |
| ICU2 | NICU (20 beds) | Danielle Lancaster* | Kim Haldeman |
| pICU2 | MICU (26 beds) | Kaitlin Cooper Johnson | Patti Rouman |
| ICU3 | MICU (26 beds) | Carla Karczewski | Mike Katz |
| ED | Emergency Department | Jessica Feih, Ryan Feldman | Cathyyen Dang, Matt Stanton, Chetna Patel |
| N3/N4 | 3rd shift ICU | Katie Ewert, Alyssa Meixelsperger | Kelly Richardson, Chris Viesselmann |
| ICU Faculty | MICU | | Sarah Peppard |

<p>| <strong>Cardiology</strong> | | | |
| Cards1 | CVICU (20 beds) | Joel Feih | Greg Stilin |
| Cards2 | 3W (50 beds) | Rotating | Melissa Tan |
| Cards3 | 3W (50 beds) | Rotating | Rotating |
| pCards1 | 3W (beds 1-35), CVICU (20 beds) | Bethanne Held-Godgluck | Janelle Juul* |
| Cards Fac | CVICU, 3W (heart failure team) | | Joe Rinka |</p>
<table>
<thead>
<tr>
<th>Transplant</th>
<th></th>
<th>Rotated</th>
<th>Rotated</th>
</tr>
</thead>
<tbody>
<tr>
<td>Tx1</td>
<td>TICU (20 beds)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Tx2</td>
<td>4NW (27 beds)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>pTx1</td>
<td>4NW, TICU (46 beds)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Transplant Team Members:</td>
<td>Carolyn Haupert, Stephanie Tchen, Nicole Wex, Matt Birschbach</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Central Pharmacy</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>C1</td>
<td>Central, Obs, BC (0630)</td>
<td>Ben Knapp</td>
<td>Mike Morris</td>
</tr>
<tr>
<td>C2</td>
<td>Central, Obs, BC (0800)</td>
<td></td>
<td>Rotating</td>
</tr>
<tr>
<td>pC1</td>
<td>Central, Obs, BC, OR, after 1500 (1000)</td>
<td>Jackie Schabold</td>
<td>Aina Lasky</td>
</tr>
<tr>
<td>N</td>
<td>3rd shift central</td>
<td>Mark Owens</td>
<td>Lynn Buss</td>
</tr>
<tr>
<td>N2</td>
<td>3rd shift central</td>
<td>Danielle Lentz</td>
<td>Lisa Weinzatl</td>
</tr>
<tr>
<td>Specialty Areas</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>OR</td>
<td>Perioperative Service</td>
<td></td>
<td>David Eberle*</td>
</tr>
<tr>
<td>PAT</td>
<td>Pre-Admission Testing</td>
<td></td>
<td>Liz Thimm</td>
</tr>
<tr>
<td>INF</td>
<td>Infusion Clinic</td>
<td></td>
<td>Nikki Masse</td>
</tr>
<tr>
<td>Diab</td>
<td>DAART (Glucose surveillance)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Stewardship Coordinators</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Pain Stewardship</td>
<td>William Peppard</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Antimicrobial Stewardship</td>
<td>Deanna Olexia</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Anticoagulation Stewardship</td>
<td>Benjamin Jung</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Center for Medication Use Coordinator</td>
<td>Shannon Werner</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Center for Medication Utilization Team Members:</td>
<td>Audrey Kostrzewa, Daniel Kapp, Adam Biggs</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Medication Use Safety &amp; Policy</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Medication Safety Officer</td>
<td>Kristin Hanson</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Medication Utilization Pharmacist</td>
<td>Taylor Mancuso</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Froedtert Inpatient Oncology</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Onc1, Onc2, Onc3, Onc4, Onc5 (AM)</td>
<td>7/8/9 CFAC (96 beds total)</td>
<td>Rotated</td>
<td>Rotated</td>
</tr>
<tr>
<td>Onc6 (PM)</td>
<td>7/8/9 CFAC (96 beds total)</td>
<td>Rotated</td>
<td>Rotated</td>
</tr>
<tr>
<td>Oncology Team Members:</td>
<td>Lisa Olson, Emilie Aschenbrenner*, Nan Tong, Cole McCoy, Aaron Lorge, Lisa Samanas, Cole Lightfoot, Nicole Law, Sarah Jesse</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Froedtert Day Hospital</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>DH630</td>
<td>Day Hospital</td>
<td></td>
<td>Christy Regan</td>
</tr>
<tr>
<td>DH6</td>
<td>Day Hospital</td>
<td></td>
<td>Brooke Fraser, Julie Difonzo, Stacy Laird*, Deb Sass, Kate Gebultowicz, Erin Turk, Stacy Blattner</td>
</tr>
<tr>
<td>DH7</td>
<td>Day Hospital</td>
<td></td>
<td></td>
</tr>
<tr>
<td>DH8</td>
<td>Day Hospital</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Froedtert Ambulatory Oncology Clinics</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>--------------------------------------</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Grace Clinic – 1</td>
<td>Felicia Zook, Angie Canadeo</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Grace Clinic – 2</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Courage Clinic</td>
<td>Erin McGurty</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Life Clinic</td>
<td>Nichole Ruffcorn</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Faith Clinic</td>
<td>Bradley Mayer</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Breast Clinic</td>
<td>Elizabeth Weil</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Hope Clinic</td>
<td>Stephanie Spitzer</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Oncology Pharmacist Float Pool</th>
</tr>
</thead>
<tbody>
<tr>
<td>Oncology Float Pool</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Drexel and Moorland Cancer Center Pharmacists</th>
</tr>
</thead>
<tbody>
<tr>
<td>Drexel Clinic and Infusion</td>
</tr>
<tr>
<td>Moorland Clinic and Infusion</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Investigational Drugs (IDS) Pharmacists</th>
</tr>
</thead>
<tbody>
<tr>
<td>IDS Offices and TRU</td>
</tr>
</tbody>
</table>

*Denotes Pharmacist Coordinator*
# Traditional Project Timeline

<table>
<thead>
<tr>
<th>Feb/March/April 2023</th>
<th>May 2023</th>
<th>June 2023</th>
</tr>
</thead>
<tbody>
<tr>
<td>• Call for projects from staff</td>
<td>• Incoming residents to complete Collaborative Institutional Training Initiative (CITI) training</td>
<td>• Finalized project list distributed to incoming residents</td>
</tr>
<tr>
<td>• Remind any potential project advisors to complete CITI training</td>
<td>Resident action steps</td>
<td>Resident action steps</td>
</tr>
<tr>
<td>• Resident action steps = none</td>
<td>Go to <a href="https://www.citiprogram.org/">https://www.citiprogram.org/</a> and complete all modules for Group 1 - Biomedical Investigators, Co-Investigators and Study Coordinators</td>
<td>• Review available projects and prepare questions to ask project leads once on-site</td>
</tr>
</tbody>
</table>

### July 2023

- Project leads will present available projects to residents during orientation
- Residents submit project rankings (usually top 5-7)
- Projects are assigned
- Research team established
- Scoping of project and scoping presentation preparation begins

### August 2023

- Work with advisor and project team to scope project and develop protocol (template available)

### September 2023

- Present protocol to Pharmacy Research Committee (PRC). Each resident is allotted 30 minutes to present their protocol and receive feedback
- PRC submits feedback that resident must respond to and return in order to obtain protocol approval
- Schedule initial biostats consult

### Resident action steps

- Follow up with project leads to get any questions answered prior to submitting project rank list
- Submit rank list by deadline
- Build research team with help of project advisor
- Plan project and begin creating scoping presentation (template on residency SharePoint site)

### October 2023

- Begin data collection after receiving protocol approval
- Draft Vizient poster abstract
- Submit Vizient poster abstract

### November 2023

- Begin working on Vizient Poster
- Submit Vizient Poster after reviewed by research team

### December 2023

- Vizient Meeting
- Midyear Meeting

### January 2024

- Midpoint check-in with PRC (via email)
- Request full Biostats support if needed
- Develop WPRC/Great Lakes abstract (due between mid-Jan and Feb 1st)

### February 2024

- Continue implementation and data collection for your project

### March 2024

- Develop WPRC/Great Lakes slide set and presentation

### April 2024

- Great Lakes slide set submission
- WPRC/Great Lakes Conference

### May 2024

- Develop project manuscript
- Present project at Froedtert (late May/early June)

### June 2024

- Manuscript submission deadline
- Project wrap-up

### Resident action steps

- Submit slide set prior to deadline if required
- Present at WPRC/Great Lakes Conference

### Resident action steps

- Send to project team prior to deadline
- Send to mentor/advisor by deadline
- Update WPRC/GLs slide to include final data and analysis

### Resident action steps

- Submit manuscript to RPD by deadline
- Close out study in eBridge, close out of project and tag off to project advisor
PGY2 Oncology Residency Program Specific Information

Purpose statement
Upon completion of this residency program, the individual will be able to demonstrate leadership skills and practice as a clinical specialist in oncology, play a role on an interdisciplinary oncology team and engage in adjunct faculty responsibilities. The individual can be expected to continue their pursuit of expertise in oncology practice and achieve board certification in oncology.

Features
- Flexible, comprehensive training in a variety of areas.
- Accredited residency training program established in 2010.
- A variety of elective learning experiences are available. Learning experiences and activities are tailored to meet the needs and interests of each resident.
- Opportunities to work with and serve as a preceptor for pharmacy student and PGY1 resident learning experiences.

PGY2 Oncology Residency Program Orientation & Training Structure

Orientation & Training
Internal PGY2 residents have completed their PGY1 residency year at Froedtert Hospital. External PGY2 residents have completed PGY1 residency year outside of Froedtert Hospital.

Both internal and external residents will be oriented and trained in oncology practice at Froedtert for infusion, inpatient, and ambulatory settings. Internal PGY2 residents will be involved in some onboarding of Froedtert's incoming PGY1 residents.

All PGY2 residents will be onboarded to the PGY2 curriculum with the residency program director (RPD) and/or residency program coordinator (RPC), establish a research project topic, and review core clinical topics with preceptors to ensure each resident is adequately prepared for the oncology environment.

For infusion training, both internal and external residents spend approximately three weeks in patient care training while completing various checklists for competency as signed off by infusion pharmacist trainers. This is when the resident is responsible for completing virtual EPIC Beacon Pharmacist training modules in Froedtert’s learning center, which is approximately 4 hours.

For inpatient training, internal residents spend approximately one week of PM shifts in patient care training while completing various checklists for competency as signed off by inpatient pharmacist trainers. External residents spend approximately three weeks of AM/PM shifts in patient care training while completing various checklists for competency as signed off by inpatient pharmacist trainers. This is when the resident is responsible for completing virtual EPIC Willow Pharmacist training modules in Froedtert’s learning center, which is approximately 8 hours.

For ambulatory training, both internal and external residents spend approximately one week in patient care training while completing various checklists for competency as signed off by clinic pharmacist trainers. This week is built in to the first required clinic block rotation experience. This is when the resident is responsible for completing virtual EPIC Ambulatory Pharmacist training modules in Froedtert’s learning center, which is approximately 8 hours.

Training in the various areas includes opportunities for direct job shadowing, hands on demonstration of competency, review of Froedtert Hospital, Cancer Center, and Pharmacy department policies and guidelines. Residents are trained in all pertinent computer systems. The timeline and order of training in each area will vary per resident. Successful completion of orientation and training is evaluated by the resident and RPD using PharmAcademic. Completion of orientation and training expectations in
respective settings (e.g. infusion, clinic, or inpatient) is required prior to independent direct patient care/clinical practice responsibilities. Residents may be scheduled to complete clinical rotation experiences prior to completing training in all of the areas outlined above.

PGY2 Oncology Residency Program Learning Experience Structure

**Learning Experiences**

A customized learning experience schedule is developed based on the residents’ self-identified strengths, weaknesses, interests, goals, and career path. Prior to residency beginning, the resident will complete the required self-assessments as assigned via PharmAcademic. The RPD will review these evaluations, make comments, and cosign. During the first few days of the program the resident will meet with the RPD to further discuss the aforementioned information to customize a resident-specific schedule that will facilitate meeting the resident’s goals. The resident schedule will be discussed regularly throughout the year and on the quarterly development plans to allow for flexibility in the program to accommodate the resident’s interest development and career path. The learning experience schedule is located on the Residency SharePoint site and within PharmAcademic. Residents may request up to **five project days** throughout the residency year during learning experiences. These must be set up in advance with the learning experience preceptor and self-tracked by the resident. Residents may not take more than one project day per learning experience. See section above on “Project Days/Working Remotely” for more information.

Based on the entering interests and self assessment submitted prior to residency and entering discussion with the RPD and resident, the RPD will complete the initial resident development plan, solicit feedback from the resident, and share to PharmAcademic prior to completion of the resident’s orientation and training as directed by ASHP’s guidance.

The oncology resident will start their core learning experiences after the completion of orientation and training in the respective settings. The learning experience sequence is tailored to best meet the resident’s goals and the programs staffing requirements. Core learning experiences timelines are listed in the table below but may be adjusted based on the experience, schedule considerations (e.g. holidays) and goals of the resident. It is suggested that required learning experiences should be completed prior to taking elective learning experiences. This is to promote a stepwise learning approach from broad to specialized oncology training. In addition, this will fulfill a solid foundation of learning early in the year prior to attending ASHP midyear and initiating career interviews.

Additional information on each learning experience’s description, expectations, goals, objectives, and activities is in within PharmAcademic’s website.
<table>
<thead>
<tr>
<th>Learning Experience – Required</th>
<th>Duration</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acute Care Oncology</td>
<td>3 weeks (2 weeks for internal PGY2s who have taken acute oncology during PGY1 year)</td>
</tr>
<tr>
<td>Acute Care Hematology</td>
<td>4 weeks</td>
</tr>
<tr>
<td>Acute Care Blood &amp; Marrow Transplant</td>
<td>4 weeks</td>
</tr>
<tr>
<td>Investigational Drug Service</td>
<td>3 weeks</td>
</tr>
<tr>
<td>Ambulatory Care Hematology and Blood &amp; Marrow Transplant (Grace Clinic)</td>
<td>4 weeks</td>
</tr>
<tr>
<td>Ambulatory Care Gastrointestinal Malignancies (Faith Clinic)</td>
<td>2 weeks</td>
</tr>
<tr>
<td>Ambulatory Care Gynecology and Thoracic Malignancies (Courage Clinic)</td>
<td>2 weeks</td>
</tr>
<tr>
<td>Ambulatory Care Breast Cancer (Breast Care Clinic)</td>
<td>2 weeks</td>
</tr>
<tr>
<td>Ambulatory Care Genitourinary and Sarcoma Malignancies (Life Clinic)</td>
<td>2 weeks</td>
</tr>
<tr>
<td>Ambulatory Care Head &amp; Neck, Central Nervous System, Skin, and Endocrine Malignancies (Hope Clinic)</td>
<td>2 weeks</td>
</tr>
<tr>
<td>Learning Experience – Longitudinal, Required</td>
<td></td>
</tr>
<tr>
<td>Drug Policy (Collaboration with Oncology Pharmacy &amp; Therapeutics Subcommittee)</td>
<td>3 months</td>
</tr>
<tr>
<td>Multidisciplinary Collaboration (Collaboration with Oncology Pharmacy and Nursing Committee)</td>
<td>3 months</td>
</tr>
<tr>
<td>Medication Safety and Management</td>
<td>3 months</td>
</tr>
<tr>
<td>Pharmacogenomics (Collaboration with Molecular Tumor Board)</td>
<td>3 months</td>
</tr>
<tr>
<td>Research Project</td>
<td>12 months</td>
</tr>
<tr>
<td>Weekly Oncology Residency Discussion (WORDS)</td>
<td>12 months</td>
</tr>
<tr>
<td>Learning Experience – Elective</td>
<td></td>
</tr>
<tr>
<td>Academia Advanced</td>
<td>2-4 weeks</td>
</tr>
<tr>
<td>Infectious Disease</td>
<td>2-4 weeks</td>
</tr>
<tr>
<td>Pharmacy Informatics</td>
<td>3-4 weeks</td>
</tr>
<tr>
<td>Critical Care Oncology</td>
<td>2-4 weeks</td>
</tr>
<tr>
<td>Advanced Practice Oncology</td>
<td>2-4 weeks</td>
</tr>
<tr>
<td>Pediatric Oncology – Children’s Hospital of Wisconsin</td>
<td>3-4 weeks</td>
</tr>
<tr>
<td>Specialty Pharmacy – Oncology</td>
<td>2-4 weeks</td>
</tr>
</tbody>
</table>

Opportunities for elective experiences that could be developed based on interest include: oncology pain stewardship, oncology palliative care, oncology medical writing, oncology leadership
PGY2 Oncology Residency Pre-Learning Experience Communication (with Sample)

Two weeks in advance of each learning experience (including longitudinal), residents should review the learning experience description in PharmAcademic and identify goals to target for the experience. Below are the elements that should be included in your communication to preceptors as well as an example of an exceptional pre-learning experience email.

Goals:
- In order for you and your preceptor to adequately prepare for your learning experience, you must provide your preceptors with your goals for the learning experience. You need to have at least 3-4 goals that you would like to work toward. Make sure that your goals are specific and appropriate for the time assigned to the learning experience. For 1-2 week learning experiences, you may only have 1-2 goals.
- Example good goal: Become familiar with the selection and narrowing of antibiotic therapy and overall treatment of community acquired vs. hospital acquired pneumonia in the ICU setting
- Example poor goal: Improve knowledge of antibiotics - too broad
- Example good goal: Increase comfort and confidence in making recommendations and interacting with physicians during patient care rounds
- Example poor goal: Increase confidence - too broad

Learning Style:
- Additionally, it is helpful if you provide information about your learning style. Although you may or may not have taken a formal learning style assessment, you should still be able to provide a general description of what is most effective for you.
- Example: I like to be quizzed on new information, I am a hands on learner - I learn by doing, I like to observe first prior to trying new things on my own

Strengths and Opportunities for Improvement:
- The goal for this portion is to take feedback that you have received on previous learning experiences and communicate it to your next preceptors.
- Example: My identified strengths on my previous learning experience were ability to thoroughly review a patient profile identify drug-related problems and ability to prepare topic discussions for students. Opportunities for improvement were my time management in working up patients, improving confidence by speaking up more on rounds, and looking up information prior to asking for the answer from my preceptor.

Schedule:
Notify your preceptors with any meetings, staffing days, and if a project day will be scheduled during the learning experience. Since schedules are likely to change, make sure that you provide your preceptor with any updates on the first day and throughout the learning experience.

Competing Priorities:
Let your preceptor know what else is going on during your rotation time-frame that may become a competing priority. This helps the preceptor know in advance what workload you have for residency in addition to the rotation requirements.
Hello!

I’m looking forward to working with you starting in 2 weeks. Below are my goals and expectations for the learning experience that I would like to share with you. I have also included some of my known appointments and conflicts during the learning experience. Please let me know if you have any questions or comments. I plan to review the learning experience in PharmAcademic prior to the learning experience to prepare.

Goals:
1. Be able to analyze a complex patient and make drug therapy plans and interventions as needed.
2. Gain confidence in making recommendations to the team; enhance my communication skills.
3. Better understand the pharmacology and appropriate use of antiepileptic drugs in the critical care setting (indications, appropriate orders, side effects, therapeutic drug levels, etc.)
4. Better understand therapies for common disease states seen in the NICU (i.e., TBI, SAH, status epilepticus, CNS infections, brain tumors, stroke, neurological disorders, and common neurosurgical procedures).
5. Become more familiar with neurosurgical procedures and related medication use issues:
   a. Which meds to hold, which meds are unnecessary/necessary (med rec)
   b. Which meds are necessary to use with certain procedures or devices and which to avoid
6. Broaden and deepen my understanding of the appropriate use of antibiotics, especially in the NICU patient population and be able to recognize pharmacokinetic changes which occur in patients with traumatic brain injury, CNS infections, and other neurological states.
7. Become familiar with NICU-specific orders and better understand which drugs can/cannot be used on the regular hospital floors.
8. Gain a better understanding of emergent situations where certain meds are truly needed STAT; learn which meds need to come from central, and which are usually prepared in the ICU.

Expectations:
- Feedback on a daily basis if possible and warranted.
- Wrap-up on Thursday 2/26 with some sort of feedback/evaluation of the week.
- Constructive criticism is ok (and helpful most of the time)!
- Decision on a NICU project early on so I have time to work on it while still in the NICU learning experience.
- If there is something you think I should be doing and I’m NOT, please let me know right away so I can change/correct it!

Learning Style:
- Repetition:
  - I like to be able to WRITE things down and go back to them later, so if I take a lot of notes, that’s why. I like to be able to see things later to remind me of what was talked about earlier.
  - If asked a question, I like to have time to look into things I don’t know or am not sure about.

Strengths:
- Thorough profile review
- Precepting students

Areas for Improvement:
- Efficiency
- Confidence

Looking up information before going to preceptor for answer

Schedule:
- Monday, 2/23: No scheduled meetings
- Tuesday, 2/24:
  - 1200-1300 Resident Candidate Interview Lunch
  - DONE ON LEARNING EXPERIENCE BY 1615/1630 (central PM shift @ 1700)
- Wednesday, 2/25:
  - 1130-1230 Resident Discussion
  - 1230-1300 Rounding with Kristin Hanson
- Thursday, 2/26: 1330-1430 Med Error Committee Meeting
- Friday, 2/27: NOT ON LEARNING EXPERIENCE (Staff 8p/weekend)
- NOTE: Project Full Day will be Monday, March 2nd

Competing Priorities
- Preparation for CE 1/20
- Preparing for P&T presentation 1/15
- Receiving data for project on 1/12.
## PGY2 Oncology Residency Project Timeline Example

### February/March (Pre-PGY2)
- Call for projects from staff
- Remind any potential project advisors to complete CITI training

### May
- Finalized project list distributed to incoming residents
- Residents submit project rankings (usually top 3)
- Projects are assigned

### June
- Incoming residents to complete Collaborative Institutional Training Initiative (CITI) training
- Call for project interest with staff

**Resident action steps = none**

### July
- Research team established
- Work with advisor and project team to scope project and develop protocol (template available)

### August
- Present protocol to Pharmacy Research Committee (PRC). Each resident is allotted 30 minutes to present their protocol and receive feedback
- PRC submits feedback that resident must respond to and return in order to obtain protocol approval

### September
- Data collection and project implementation steps

### October
- Draft Vizient poster abstract
- Submit Vizient poster abstract

### November
- Begin working on Vizient Poster
- Submit Vizient Poster after reviewed by research team

### December
- ASHP Midyear and Vizient Meeting

### January
- Midpoint check-in with PRC (via email)
- Develop HOPA abstract

### February
- HOPA abstract due
- Develop HOPA Poster

### March
- Send abstract to team 2 weeks prior to submission deadline
- Send to RPD, at least 3 business days prior to submission deadline

### April
- HOPA Annual Conference
- Present Poster Session at HOPA

### May
- Develop project manuscript
- Manuscript submission deadline
- Project wrap-up

**Resident action steps**
- Bring posters to HOPA
- Present at HOPA’s poster session

### June
- Submit manuscript to RPD by deadline
- Submit written project for publication— if unable to submit, send projected timeline and goals to RPD with manuscript deadline
- Close out study in eBridge, close out of project and tag off to project advisor

**Resident action steps**
- Create Vizient poster slide set
- Submit slide set for proof and review
- Submit for final printing by deadline

**Resident action steps**
- Submit poster
- Data collection timeline check in- confirm roles of project members

**Resident action steps**
- May begin data collection after receiving protocol (and IRB) approval through e-Bridge
- Request agenda time for any committee approvals necessary

**Resident action steps**
- Send abstract to team 2 weeks prior to submission deadline
- Send to RPD, at least 3 business days prior to submission deadline

**Resident action steps**
- Submit abstract by deadline

**Resident action steps**
- Submit slide set to RPD and project team prior to deadline
- Complete HOPA Poster Online submission for consideration of “Top 10” presentations

**Resident action steps**
- Submit manuscript to RPD by deadline
- Submit written project for publication— if unable to submit, send projected timeline and goals to RPD with manuscript deadline
- Close out study in eBridge, close out of project and tag off to project advisor

**Resident action steps**
- Submit rank list by deadline

**Resident action steps**
- Go to [https://www.citiprogram.org/](https://www.citiprogram.org/) and complete all modules for Group 1 - Biomedical Investigators, Co-Investigators and Study Coordinators
PGY2 Oncology Residency Requirements and Expectations for Successful Completion

In addition to requirements for individual learning experiences and program requirements outlined previously in the manual, satisfactory completion of the below list is required to earn a Froedtert Hospital PGY-2 Oncology Residency certificate.

Clinical and Operations Practice (On-Site Staffing) Requirements

- Includes weekend shifts, weekday shifts (Mon-Fri), and holiday shifts, and up to four additional weekday shifts.
  - Staffing is prioritized to be staffed in oncology areas; however, residents may be assigned or volunteer for non-oncology shifts as available in cross-trained areas
  - Weekends will be rotated among the four PGY2 oncology residents in an every 4th week pattern, with exceptions for training and end of year. The weekend consists of two 8 hour shifts (Saturday and Sunday).
  - 7 weeks of weekday staffing is assigned Monday through Friday, 10 hour shifts assigned as needed
  - Two – 10 hour holiday shifts
  - Resident staffing beyond the above requirements are eligible for bonus pay (see section on bonus shifts)

Inpatient Weekend Staffing Expectations

Training
- Internal residents (post completion of PGY-1 Acute Care Residency) will complete a minimum of one week and external residents will complete a minimum of two weeks of inpatient training on the oncology units
  - Training will include orientation to team staffing materials and “tip sheets”, inpatient chemotherapy workflows, pharmacokinetic monitoring and oncology specific guidelines

Schedule Expectations
- Residents will work ~every fourth weekend Saturday and Sunday for 8 hour shifts
  - The resident weekend shifts are primarily responsible for solid tumor service patients and medicine patient overflow
    - Assignment to specific patients may vary based on inpatient oncology team census

Friday “touch base”
- Residents are expected to touch base the Friday prior to weekend staffing with the leukemia (Heme1) and/or solid (Onc3) pharmacist to prepare for a weekend staffing plan and distribution of weekend patient load
  - Goal to touch base by 1600 by phone/in person or WebEx (verbal communication preferred)

Feedback
- Feedback for the resident will be completed based on weekend inpatient staff members scheduled with the resident (as per Humanity with Onc3 solids)
  - Feedback for each weekend will be consistent for the first quarter and then provided ad hoc as constructive feedback is identified and communicated to residents
  - Communication/handoff will be a consistent expectation throughout the year
- Feedback on weekend staffing will be gathered from the resident group by program leadership at midpoint and final residency sessions

Investigational Drug Service (IDS) Call for PGY2 Oncology Residents

- Training:
  - Didactic session during orientation reviews drug study database, study folder, Primex, common on-call examples. Residents will also be oriented to the On Call Examples spreadsheet (found in the ON-CALL folder on the IDrive) and their responsibility for completing any calls received.
  - First two on-call weekends will be used for training with the back-up IDS pharmacist
  - Residents will have a back-up pharmacist for all on-call weekends

- Schedule Expectations:
Residents are expected to take call during on-site staffing weekend and on-site holiday staffing assignment shifts (holiday coverage is minor/major holiday for the day and overnight; weekend rotation is ~every 4th weekend).

Residents are responsible to cover the IDS pager from 1630 on Friday through 0700 on Monday.

Residents to document calls in On Call Examples spreadsheet located in the ON-CALL folder on the I drive.

Prior to each weekend call, the PGY2 resident will reach out to the IDS mentor team member (preferably via WebEx) on Friday at ~ 1400 for weekend handoff. On Monday following the weekend on call, the PGY2 resident will reach out to the IDS mentor (Webex, email or call) to touch base on weekend on call activity.

After the 2nd on call weekend, the resident will contact the operator to change the IDS pager over to their own pager on Friday at 1630 - Monday at 0700.

IDS team mentor pharmacist will be 1st contact for resident, if support is needed. The PGY2 resident will call/text (mentors preference to be discussed during the Friday touch base) the mentor if they are unable to manage the page.

Feedback:

Feedback for the resident will be assigned based on the IDS call schedule posted on the IDrive. The preceptor will be assigned a feedback tool to fill out in PharmAcademic and discuss verbally or via WebEx.

- Feedback for each weekend will be consistent for the first quarter and then provided ad hoc as constructive feedback is identified and communicated to residents.
- Communication/handoff will be a consistent expectation throughout the year.

Feedback for the on call experience will be asked of the residents by program leadership at the midpoint and final residency sessions.

**Black Friday and Christmas Eve**

- Since these days are uniquely staffed, depending on the rotation, whether the service is open or not, we have written out options for residents, regardless of rotation.
- If a resident is scheduled for rotation on Black Friday or Christmas Eve, the resident is not expected to be on rotation and may choose to:
  - Request to staff a shift (this would count for a required weekend shift)
  - Request PTO
  - Request a project day

**Quarterly Development Planning**

- Quarterly Development Planning Meetings
  - Attendance – RPD, RPC, resident, mentor, project advisor (optional- may provide feedback to RPD/RPC and resident in advance)
  - Goals
    - Update development plan with progress towards graduation requirements including competencies, duty hours tracking, appendix completion, project manuscript submission
  - Plan
    - RPD to schedule 30 minute meetings in October, January, April, June
    - Resident to prepare development plan in advance of meeting to share with group
    - RPD/RPC to prepare duty hours sign off, progression toward graduation requirements
    - RPD to cosign and track PharmAcademic progression toward Achieved status for residency
    - Mentor/Advisor to review previous quarter feedback in PharmAcademic
    - Project Advisor to provide feedback on project management skills and progress/roadblocks
  - Mentors
• Expectations Document I:\FMLH\PHARMACY\PGY2 Oncology Residency\Preceptor Materials\Mentor Folder

**Academic Half-Day**
- You will be given a half-day every Wednesday (12pm – 4:30pm) to work on project, schedule meetings, attend academic afternoon discussions, WORDs, etc. This is subject to change, if needed.
- It is preferred that meetings be scheduled during this time as not to take away from rotation time.

**Mentorship Experiences**

*Residency Mentor*
- Residency mentors are pharmacists assigned to each resident. Their primary purpose is to provide residents guidance throughout the year with an emphasis on self-assessment growth, review and provide feedback on major projects, monitor progress with residency expectations, and facilitate communication between rotations.
- Provide guidance throughout the year on overall professional development and career planning.
- Residents and mentors are expected to meet approximately monthly.

**Resident Research Project**
Residents will choose a longitudinal research project at the beginning of the year, and will form a project team. Residents are required to complete the following throughout the year:
- CITI / GCP Training
- Pharmacy Research Committee Protocol Approval
- IRB submission (if applicable)
- Each resident is required to attend and present at one clinical conference in the year (poster and abstract). The preference is HOPA annual conference but may be an alternative meeting as reviewed with residency leadership.
- Summative Presentation for Froedtert Staff
- Manuscript
  - Resident research project must be summarized in a written format acceptable for publication. Residents are expected to pursue publication and/or presentation of their project in a peer-review setting.

**Formal Presentations (required)**
- Major Project Poster Presentations
- Two Froedtert Oncology Grand Rounds (with continuing education for pharmacists) - each presented twice for A/B weeks
- Resident Research Project Close Out Presentation to Staff

**ASHP Required Competency Areas, Goals, and Objectives for PGY2 Oncology Pharmacy Residencies**
- 70% ACHR and all remaining goals/objectives SP
- Completion of Appendix Checklist

**Committee Opportunities and Responsibility**
- Longitudinal responsibilities: Attend committee meetings, complete projects, prepare and take minutes for each of the following committees during related longitudinal learning experiences (descriptions and expectations per PharmAcademic)
  - Froedtert Oncology Pharmacy & Therapeutics Subcommittee (OP&T)
  - Froedtert Oncology Pharmacy & Nursing Committee (OPNC)
  - Froedtert Molecular Tumor Board (MTB)
  - Medication Safety
Academia Opportunities (required)
- PGY2 Oncology Residents are required to participate in two oncology-focused student labs with MCW School of Pharmacy

Department Meeting Attendance
Residents are expected to be present at the meetings below that occur during learning experience time. It is acceptable to miss a meeting for patient care needs; however, the situation should be communicated to the RPD or RPC. During staffing, meeting attendance is not required and the resident is exempt unless workload permits and the resident confirms with their staffing colleagues. The resident should not schedule additional meetings during staffing shifts (ie. mentor meetings, project team meetings, etc).
- Weekly Oncology Residency Discussions (WORDS)
- Weekly Resident Academic Half-Day Discussions – optional based on topic and past participation (internal PGY2s)
- Weekly Hematology & Oncology Fellow’s Core Education on Fridays
- Monthly Oncology Pharmacy Grand Rounds (required to attend one of the two presentations per month)

PGY2 Oncology Residency Additional Opportunities and Information

Program Feedback Expectations
- Residents are an integral component to the continuing development and improvement of the residency program
- Meet with RPD/RPC to provide formal feedback throughout year
  - Orientation
  - Midpoint
  - Final

Recruitment
- PGY2 Residents have an active role in recruitment for incoming PGY2 Oncology pharmacy residency class
- Responsibilities vary based on availability and scheduling, may include:
  - ASHP Personnel Placement Service Interviews
  - Networking events with candidates (i.e. ASHP residency showcase)
  - Developing interview schedules, questions, logistics
  - Coordinating, transitioning, directing on interview days
  - Candidate lunch and tours for interview days

Student and PGY1 Resident Precepting Opportunities
- May serve as primary preceptor for IPPE students, based on scheduled learning experiences
- Assist with precepting responsibilities for APPE students during learning experiences, including longitudinal
- Assist with precepting PGY-1 residents completing oncology based learning experiences
- Preceptor development series discussions
- Borrow and read ASHP’s “The Effective Pharmacy Preceptor”

Committee Opportunities and Responsibility
- Optional Opportunities
  - Vizient Pharmacy Cancer Care Committee
  - Froedtert Institutional Review Board Meeting- coordinate with IDS learning experience

Professional Organization Membership
Professional organizations offer residents additional resources and education opportunities as well as access to networking outside of Froedtert & the Medical College of Wisconsin. Residents are highly encouraged to engage in active membership in at least one professional organization during residency and to continue to build upon membership into their careers.
Hematology & Oncology Pharmacy Association (HOPA)
American Society of Blood & Marrow Transplant (ASBMT) Pharmacy SIG
American Society of Health-System Pharmacists (ASHP)
Pharmacy Society of Wisconsin (PSW)
American College of Clinical Pharmacy (ACCP)
National Comprehensive Cancer Network (NCCN)- free guideline access with email

Professional Conference Attendance (optional)
- Vizient Clinical Meeting (required if attending ASHP Midyear Clinical Meeting)
- ASHP Midyear Clinical Meeting
- Milwaukee Residency Conferences
- BMT Tandem Annual meeting
- Pharmacy Society of Wisconsin (PSW) Annual Meeting or Educational Conference
- HOPA Practice Management Meeting
- Local/Regional Oncology Pharmacy Conferences

Formal Presentations (optional)
- HOPA National Journal Club Presentation
- American Society for Transplantation and Cellular Therapy (ASTCT) Pharmacy SIG Education Committee Journal Club
- Oncology care support group meeting
- Froedtert/Advocate Aurora Potluck Journal Club

PGY2 Oncology Resident Graduates

2010-2011 Janelle Mann, PharmD, BCOP
Manager – Clinical Pharmacy Services, Clinical Oncology Pharmacist
Washington University Medicine
Adjunct Assistant Professor, Department of Pharmacy Practice, St. Louis College of Pharmacy
St. Louis, MO
Assessing Breast Cancer Patient Adherence to Adjuvant Endocrine Therapy through Pharmacist Interventions via Mail-Order Services

2011-2012 Felicia Zook (Falvo), PharmD, BCOP
Clinical Oncology Pharmacist
Froedtert Hospital & the Medical College of WI
Milwaukee, WI
Impact of Comprehensive Pharmacy Services on Patient Adherence and Readmission Rates in Blood and Marrow Transplant Patients

2012-2013 Melissa Rhoades (Handcock), PharmD, BCOP
Clinical Oncology Pharmacy Manager
Froedtert Hospital & the Medical College of WI
Milwaukee, WI
Implementing Best Practice Safety Standards with Oral Anticancer Agents at a Tertiary Care Academic Medical Center and Ambulatory Cancer Center

2013-2014 Elizabeth Dow-Hillgartner, PharmD, BCPS, BCOP
Clinical Pharmacy Specialist in Hematology/Oncology
University Hospital; UW Health
Madison, WI
Assessment of Risk Factors for In-Hospital Venous Thromboembolism in a Solid Tumor, Malignant Hematology, and Hematopoietic Stem Cell Transplant Population
Danielle Gundrum (Maila), PharmD, BCOP
Pharmacy Practice Faculty – Oncology
Roseman University of Health Sciences School of Pharmacy
South Jordan, UT
Oncology Pharmacist
Intermountain Medical Center
Murray, UT
*The Development of an Oral Anticancer Agent Program at Froedtert Hospital Clinical Cancer Center*

2014-2015
Aaron Lorge, PharmD, BCOP
Clinical Oncology Pharmacist
Froedtert Hospital & the Medical College of WI
Milwaukee WI
*Impact of Inhaled vs. Oral Ribavirin Treatment on Outcomes in High Risk Oncology Patients with Respiratory Syncytial Virus Infections*

Elizabeth Weil, PharmD, BCOP
Clinical Oncology Pharmacist
Froedtert Hospital & the Medical College of WI
Milwaukee WI
*Evaluation of the Pharmacokinetics and Efficacy of a Busulfan Test Dose*

2015-2016
Nicole Zimmerman (Gunderson), PharmD
Clinical Oncology Pharmacist
ThedaCare Regional Cancer Center, Appleton, WI
*Carboplatin hypersensitivity reactions: analysis of overall incidence and evaluation of extended infusion protocol for prevention*

Rachel Emerton (Pritchett), PharmD, BCOP
Clinical Oncology Pharmacist
Columbus Regional Health
Columbus, IN
*Safety, Efficacy, and Dosing Practices of Direct Oral Anticoagulants in Cancer Patients: A Retrospective Cohort Review*

2016-2017
Allison Martin, PharmD, BCOP
BMT Pharmacist and Clinical Coordinator
Levine Cancer Institute of Carolinas HealthCare System
Charlotte, NC
*Not All Tumors Are Created Equal: Evaluating the Impact of an Interdisciplinary Molecular Tumor Board*

Thomas Nowak, PharmD
Clinical Oncology Pharmacist, Drexel Town Square
Froedtert Hospital & the Medical College of WI
Oak Creek, WI
*Implementation and Evaluation of High-Dose Methotrexate Administration Guidelines*

Puja Patel, PharmD, BCOP
Assistant Professor
Marshall B. Ketchum University – College of Pharmacy
Fullerton, CA
*Evaluation of Ciprofloxacin Prophylaxis in Acute Leukemia and Hematopoietic Stem Cell Transplantation*
2017-2018  Stephanie Spitzer (Free), PharmD, BCOP  
Clinical Oncology Pharmacist  
PGY-2 Oncology Residency Program Coordinator  
Froedtert Hospital & the Medical College of WI  
Milwaukee, WI  
Immune-Related Adverse Events: The Effect of Clinical Management on Patient Outcomes

Cole Lightfoot, PharmD, BCOP  
Clinical Oncology Pharmacist  
Froedtert Hospital & the Medical College of WI  
Milwaukee, WI  
Effect of HER2 Receptor Expression on Cardiac Ejection Fraction in Cancer Patients Treated with Trastuzumab

Erin McGurty, PharmD, BCOP  
Clinical Oncology Pharmacist  
Froedtert Hospital & the Medical College of WI  
Milwaukee, WI  
Evaluation of a Pharmacist-Driven Therapeutic Drug Monitoring Program for Triazole Antifungals

2018-2019  Monica Chintapenta, PharmD, BCOP  
Clinical Pharmacy Specialist  
Parkland Hospital Houston, TX  
PARP Inhibitors: Review of Tolerance and Defining Selection Criteria

Sara Harstad, PharmD, BCOP  
Inpatient Clinical Oncology Pharmacist- Pediatric and Adult Populations  
Wilmot Cancer Institute - University of Rochester Medical Center  
Rochester, NY  
Retrospective Review of Changes in Bone Density of Adjuvant Breast Cancer Patients and Non-Metastatic Prostate Cancer Patients Receiving Denosumab 60mg versus Zoledronic Acid

Melika Fini, PharmD, BCOP  
Associate Director Medical Science Liaison – Oncology  
Eli Lilly and Company  
Orlando, FL  
Utilizing Digital Patient Engagement to Support an Oral Anticancer Therapy Management Program for Patients with Chronic Myeloid Leukemia

Katelyn Patterson, PharmD, BCOP  
Ambulatory Hematology and Oncology Pharmacist  
Henry Ford Hospital - Henry Ford Health System  
Detroit, MI  
Implementing Febrile Neutropenia Risk Stratification with Intermediate Risk Chemotherapy Regimens

2019-2020  Briana Amundson, PharmD, BCOP  
Hematology Oncology Clinical Pharmacist  
Mayo Clinic  
Rochester, MN  
Steroid Refractory Immune Related Adverse Effects: Guideline Development & Management
Jessica McKernan, PharmD, BCOP
Clinical Oncology Pharmacist
UW Health
Madison, WI
*Tolerance of Molecularly Targeted Agents in Patients with Renal Cell Carcinoma and Renal Impairment or End-Stage Renal Disease on Dialysis*

Maggie Nelson, PharmD, BCOP
Clinical Oncology Pharmacist for Bone and Marrow Transplant
University of Kansas Health System
Kansas City, KS
*Risk Factors for Vancomycin-Associated Nephrotoxicity in Hematopoietic Stem Cell Transplant Population*

Julia Stevens, PharmD, BCOP
Clinical Oncology Pharmacist
Beth Israel Deaconess Medical Center
Boston, MA
*Pharmacist-Driven Patient-Centered Deprescribing in a Palliative Oncology Population*

Kate Berlin, PharmD, BCOP
Ambulatory Oncology Pharmacist – Hematopoietic Cell Transplant
Northwestern Medicine
Chicago, IL
*Characterization and Outcomes of Off-Label Immunotherapy Use in Solid Tumor Patients*

Bradley Mayer, PharmD, BCOP
Clinical Oncology Pharmacist
Froedtert Hospital & the Medical College of WI
Milwaukee, WI
*Tolerance of Molecularly Targeted Agents in Metastatic Renal Cell Carcinoma*

Jane McCullough, PharmD, BCOP
Ambulatory Oncology Pharmacist – Infusion and Genitourinary Malignancies
Northwestern Medicine
Chicago, IL
*Formulary Management of Newly Approved Oncology Medications: Perceptions and Expectations*

Michael Robles, PharmD, BCOP
Ambulatory Oncology Pharmacist
University of Washington/Seattle Cancer Care Alliance
Seattle, WA
*Characterization of Patients with LVEF Decline While Receiving Anti-HER2 Therapy*

Shelby Koppinger, PharmD
Hematology Pharmacist
Oregon Health & Science University Hospital and Knight Cancer Institute
Portland, OR
*Identifying Metrics and Designing Measurable Outcomes in the Electronic Health Record to Evaluate Pharmacist Intervention in an Oral Chemotherapy Program*

Emilee McCullough, PharmD
Ambulatory Oncology Pharmacist
Mayo Clinic- Mankato Campus
Mankato, MN
*Statin Prevention of Cisplatin-Induced Hearing Loss*
Kelli Rourke, PharmD  
Ambulatory Oncology Pharmacist  
Johns Hopkins Sidney Kimmel Comprehensive Cancer Center  
Baltimore, MD  
Outcomes Analysis of Growth Factor Administration in Metastatic Solid Tumors

Emily Viehl, PharmD, BCOP  
Ambulatory Oncology Pharmacist  
Yale New Haven Hospital  
New Haven, CT  
Expansion and Evaluation of a Pharmacist Driven Therapeutic Drug Monitoring Collaborative Practice Agreement in an Outpatient Allogeneic Hematopoietic Cell Transplant Population

2022-2023 Justin Grahl, PharmD  
Clinical Oncology Pharmacist  
Froedtert Hospital & the Medical College of WI  
Milwaukee, WI  
Characterization of DPYD and UGT 1A1 Testing Practices

Ruchi Patel, PharmD  
Incomplete Ovarian Suppression

Clare Procknow, PharmD  
Clinical Oncology Pharmacist  
Froedtert Hospital & the Medical College of WI  
Milwaukee, WI  
Car-T Vaccine Titer

Haylee Guerin, PharmD  
Clinical Oncology Pharmacist  
Froedtert Hospital & the Medical College of WI  
Milwaukee, WI  
Characterization of Infections Post Blinatumomab Therapy