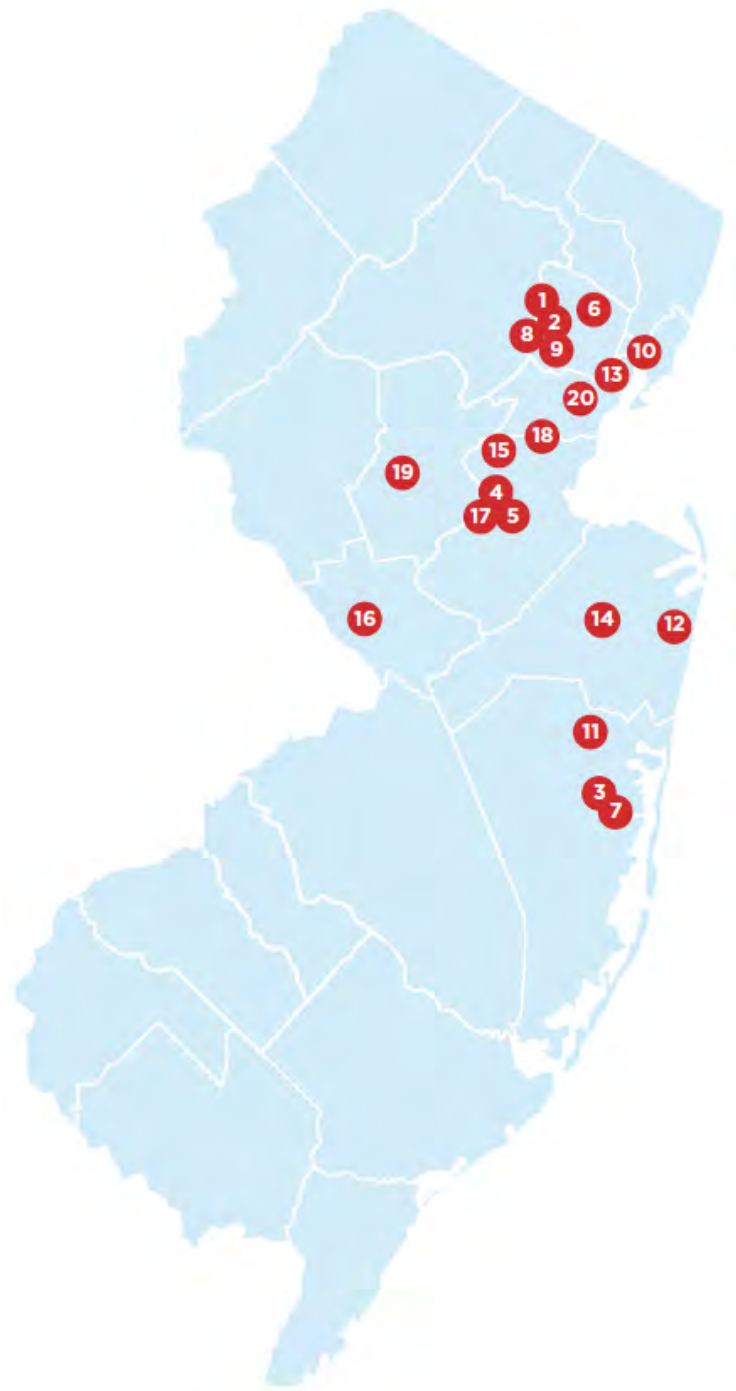


- 1** ACC Retail Pharmacy Division
- 2** Ambulatory Care Pharmacy Division
- 3** Barnabas Health Behavioral Health Center Pharmacy Division
- 4** Cancer Institute of New Jersey Pharmacy Division
- 5** Children's Specialized Hospital Pharmacy Division
- 6** Clara Maass Medical Center Acute Care & Retail Pharmacy Division
- 7** Community Medical Center Acute Care Pharmacy Division
- 8** Corporate Pharmacy & 340B Division
- 9** Cooperman Barnabas Medical Center Acute Care & Retail Pharmacy Division
- 10** Jersey City Medical Center Acute Care & Retail Pharmacy Division
- 11** Monmouth Medical Center Southern Campus Acute Care Pharmacy Division
- 12** Monmouth Medical Center Acute Care & Retail Pharmacy Division, Ambulatory Care Pharmacy Division
- 13** Newark Beth Israel Medical Center Acute Care & Retail Pharmacy Division
- 14** Pharmacy Reimbursement Division
- 15** Qualitas: Home Infusion, RWJBarnabas Consolidated Pharmacy Services, LSC Mail Order, Specialty & Centralized Warehouse Pharmacy Division
- 16** RWJ University Hospital at Hamilton Acute Care Pharmacy Division, Ambulatory Care Pharmacy Division
- 17** RWJ University Hospital at New Brunswick Acute Care Pharmacy Division
- 18** RWJ University Hospital at Rahway Acute Care Pharmacy Division
- 19** RWJ University Hospital at Somerset Acute Care Pharmacy Division
- 20** Trinitas Regional Medical Center



Pharmacy Enterprise

RWJBarnabas
HEALTH

2022 Annual Report



Our Vision

“ The Pharmacy Enterprise will be a national leader in providing progressive, high quality, patient-centered, cost effective pharmacy services across the continuum of care in the dynamic healthcare landscape “

Table of Contents

Letter from the Chief Pharmacy Officer.....	5
Governance and Structure.....	8
Pharmacy Enterprise Executive Council.....	9
Pharmacy Enterprise Directors Council.....	11
Pharmacy Enterprise Clinical Council.....	14
Pharmacy Enterprise Collaboratives.....	17
Ambulatory Care/Transitions of Care Collaborative.....	18
Critical Care Collaborative.....	21
Emergency Department Collaborative.....	23
Infectious Disease Collaborative.....	26
Informatics Collaborative.....	29
Medication Management Collaborative.....	32
Oncology Collaborative.....	35
Pediatric Collaborative.....	38
Pharmacy Buyers Collaborative.....	40
Procurement Collaborative.....	43
Psychiatric Collaborative.....	45
Pharmacy Residency Ambassadors Collaborative.....	47
Sterile Products Collaborative.....	49
Pharmacy Enterprise Divisions.....	52
Barnabas Health Behavioral Health Center	54
Children’s Specialized Hospital.....	55
Clara Maass Medical Center	56
Community Medical Center.....	57
Cooperman Barnabas Medical Center	58
Jersey City Medical Center.....	59
Monmouth Medical Center.....	60
Monmouth Medical Center Southern Campus.....	61
Newark Beth Israel Medical Center.....	62
RWJ University Hospital at Hamilton.....	63
RWJ University Hospital at New Brunswick.....	64

Table of Contents

Pharmacy Enterprise Divisions

RWJ University Hospital at Rahway	65
RWJ University Hospital at Somerset.....	66
Trinitas Regional Medical Center.....	67
Ambulatory Care Division.....	68
Corporate Pharmacy Division.....	69
340B Drug Pricing Program.....	70
Pharmacy Reimbursement Division.....	71
Qualitas Home Infusion Care Division.....	72
Qualitas LSC Mail Order Pharmacy Division.....	74
Qualitas Specialty Pharmacy Division.....	75
Qualitas Centralized Warehouse Division.....	76
Retail Pharmacy Network Division.....	77
Rutgers Cancer Institute of New Jersey.....	79
RWJBarnabas Consolidated Pharmacy Services Division.....	81

Actively Seeking Excellence: 2022 Summary

Advocacy.....	84
Community.....	93
Education.....	96
Financial.....	100
Quality and Safety.....	102
Regulatory.....	109
Technology.....	110
Research and Publication.....	111

“Actively Seeking Excellence”

A MESSAGE FROM THE CHIEF PHARMACY OFFICER



Robert Pellechio, RPh, MPA

Senior Vice President and Chief Pharmacy Officer

The RWJBarnabas Health Pharmacy Enterprise would like to welcome you to the 7th Annual Report. Although this is my first annual message, I have been involved with and contributed to past reports during my tenure as a member of the Pharmacy Enterprise. I would like to give a sincere thank you to Indu Lew who has been our division's leader and mentor for the last few years, including the majority of 2022. Indu's guidance, support and leadership has been instrumental in the success of all pharmacy services within RWJBarnabas Health (RWJBH).

The Pharmacy Enterprise is an integrated system of divisions with responsibility for clinical, financial, quality, safety, and social outcomes related to medication use across the continuum of care in RWJBarnabas Health. Our enterprise has 25 divisions comprised of 14 hospital divisions and 11 integrated service divisions. A detailed summary of each of these divisions is enclosed within the pages of this annual report. Communication continues to be the fundamental principle in driving the success of Pharmacy Leadership at each of our divisions. The results produced by each division over the course of 2022 truly reflect a team effort that combines leadership, clinical, business and financial talents from individual hospital pharmacy department and division as well as a corporate pharmacy perspective. This report is intended to highlight and explain many of the incredible achievements our team has realized over the last year. These extraordinary accomplishments are attributed to the talents and precision focus of our group in actively seeking excellence for our health system.

The past year brought several changes to our organization. Our health system bid a fond farewell to its esteemed leader Barry H. Ostrowsky and enthusiastically welcomed Mark E. Manigan to the helm as President and Chief Executive Officer as well as the appointment of John W. Doll to the role of Chief Operating Officer at RWJBH. Our organization's new Senior Leadership Team worked diligently to develop and implement a service line approach to align practice and services across our organization. The service line approach includes a clinical and business executive dyad supported by interdisciplinary teams to create goals and tactics to enhance patient care and financial performance. Over the course of 2022, RWJBH continued to enhance integration across all its divisions, facilities and service lines through a "One System-One Family" philosophy.

RWJBH eagerly welcomed Trinitas Regional Medical Center (TRMC) into the RWJBarnabas family of hospitals at the start of the year. The Pharmacy Enterprise transitioned the TRMC contracted pharmacy management staff to RWJBH employees and saved \$815K by June 2022. Additionally, the pharmacy enterprise completed the integration and conversion of their 340B and Group Purchasing Organization (GPO) programs into ours, which produced additional savings for the organization. Clinical and operational lines of communication were opened between TRMC and the rest of the system allowing for enhanced collaboration and sharing of best practices.

The COVID-19 virus with all its variants continued to be a strain on our hospitals and pharmacy departments from both a staffing and drug supply perspective throughout 2022. Pharmacy supported RWJBH's mass vaccination efforts at the Bridgewater Mega Center as vaccines and medication treatments continued to be administered to our patient and employee populations across our organization. Pharmacy also continued to work with New Jersey Department of Health and federal partners to ensure that clinics could provide these essential treatments and meet regulatory requirements. Every facet of healthcare has been impacted by COVID-19, yet the Pharmacy Enterprise has continued to maintain balance, provide optimal and safe patient care, all while ensuring operational efficiency in health-related areas. The year brought additional challenges to our team members including preparations for a potential Ebola outbreak, a Mpox outbreak and a triple-demic of pediatric respiratory viruses that strained the nation. Our organization was able to overcome many of these challenges with pooled resources and agile decision making. Members of the Pharmacy Enterprise

A MESSAGE FROM THE CHIEF PHARMACY OFFICER

were integrally involved with various teams to ensure providers and patients had access to the best care available.

As in previous years, education and post-graduate pharmacy training was a major focus for the Pharmacy Enterprise. Over 500 students were precepted in 2022 and Barnabas Health Behavioral Health's PGY2 received a prestigious 8-year accreditation from ASHP. The RWJBH Residency Leadership Forum graduated its 6th class and started training its 7th class in various leadership topics to create a pool of highly qualified clinicians with leadership expertise. Over 145 pharmacy residents have received this training since the program's inception in 2016. The Pharmacy Enterprise continues to align with Rutgers University to provide faculty and real-world training opportunities across our organization.

The acute care facilities were hard at work on a wide variety of clinical initiatives including order set and practice guideline development, creation of 38 standardized system policies and procedures, and increasing biosimilar medication utilization. The Pharmacy Enterprise worked across multiple disciplines to establish standard sedation assessment scoring for all sites, implement new medication therapies for stroke management, and standardize intravenous drug concentrations to promote patient safety. The formation of a system vaccine advisory committee led to standardization of vaccines in influenza, pneumococcal, and hepatitis B across all acute care facilities. In conjunction with the System Quality and Standards Division, the Pharmacy Enterprise developed an interdisciplinary System Formulary Committee that allows the organization to align medication selection and practice to provide optimal patient outcomes at all RWJBH sites.

In Ambulatory Pharmacy, our 4 embedded ambulatory pharmacists continue to focus on improving outcomes in chronic disease state management in our primary medical group. In the Community and Retail Pharmacy Divisions, although we closed two retail pharmacies for consolidation and financial savings, we expanded our Dispensary of Hope outreach to Trinitas patients and Greenville Pharmacy. The organization did elect to close our Employee Mail-Order Pharmacy. Patients that utilized LSC Mail Order Pharmacy were transitioned to Amazon and Accredo.

Qualitas, our Specialty, Infusion and Warehouse Pharmacy Divisions have continued to grow in support of our system hospitals and patients. They have been able to increase the number of limited distribution drugs available to our system and continue to grow 340B contracted pharmacy dollars. We also expect additional increases in this program's revenue in 2023 as they expand into additional therapeutic areas, aligning with our system's service line approach.

As Epic roll-out continued in 2022, pharmacy provided on-site and virtual support to the facilities that went live with the new system as well as the Epic teams that develop the system. Order set development, project management and issue resolution are a few of the many ways that the Pharmacy subject matter experts ensured the success of the project. The Pharmacy Enterprise is enthusiastic about providing clinical content to support the 2023 scheduled Epic expansion phases. Pharmacy team members from across the organization provided consultation and guidance for a myriad of safety enhancements to our Clinical Information Systems, including Epic, Cerner, AllScripts, Pyxis and drug information programs. Pharmacy's focus on patient safety and clinical/operational excellence will be the backbone for providing ongoing support for all our service lines and the evolution of the Clinical Information Systems we utilize.

The 340B Division had a busy year. Trinitas Regional Medical Center was integrated into the compliance and contracted pharmacy programs with no additional resources. As outlined later in this report, there was a dramatic increase in savings and revenue for the Disproportionate Share Hospitals (DSH) and Hemophilia Treatment Center programs. The Corporate Pharmacy team also worked with corporate and local finance departments to consolidate all 340B Contracted Pharmacy revenue and expenses into local hospital profit and loss reports. Completing this consolidation allows for all facilities to easily account for how this critical program impacts each site. Additionally, the 340B team aided in the implementation of BD Logistics at RWJ University Hospital.

A MESSAGE FROM THE CHIEF PHARMACY OFFICER

The Pharmacy Reimbursement Division (PRD) identified and recovered potentially lost medication reimbursement for our system through their talent along with relentless and persistent effort. Their ongoing work with our 340B and drug replacement programs has contributed to additional savings and revenue generation, as outlined in this report.

To align with the system service line approach and the “One System-One Family” philosophy guiding our organization, Pharmacy leadership has chosen the word “Unify” again for 2023. While Unify was at the cornerstone of our work in 2022, the pharmacy enterprise will continue to collaborate on unification of strategy, services and initiatives throughout 2023. This word centers on the essential principles of harmonized health system workflows in anticipation of the migration of additional sites onto the Epic Clinical Information System Platform and the continued integration with Trinitas Regional Medical Center.



Governance and Structure

Pharmacy Enterprise Executive Council

The RWJBarnabas Health Executive Council is responsible for defining, prioritizing, overseeing and monitoring the performance of the pharmacy enterprise. The focus of the committee is operations, clinical activities and integrated services within the enterprise.

The committee is guided by analyzing and aggregating enterprise and service line performance data, monitoring performance improvement efforts for effectiveness, and making recommendations for enterprise or individual service line changes.

The Executive Pharmacy Council is the approval entity for recommendations from the Pharmacy Directors and Clinical Pharmacy Councils

Membership

Chair: Corporate Senior Vice President and Chief Pharmacy Officer

Members: Vice President of Qualitas Pharmacy Services, Corporate Assistant Vice President of Pharmacy Operations, Corporate Assistant Vice President of Clinical Pharmacy Services, Corporate Assistant Vice President of Integrated Pharmacy Services, Corporate Director of Pharmacy Operations, Corporate Director of Pharmacy Systems Integration, Corporate Director 340B Program

Meetings

The Executive Pharmacy Council shall meet monthly or as otherwise deemed necessary by the Chair, but not less than quarterly

Duties and Responsibilities

- Enterprise-wide clinical and operational performance improvement, tracking progress, identifying barriers, and discussing possible solutions
- Reviews and recommends a multi-year strategic plan with long term and annual improvement targets
- Approves and monitors a dashboard of key performance indicators
- Provides oversight, monitoring and assessment of key organizational processes, outcomes, and external comparative benchmarks
- Individual members accept accountability for removing barriers, assigning resources and ensuring implementation and compliance of goals and policy of the Pharmacy Enterprise
- Serves as forum for identification of best practices and oversees the management of strategic workforce
- Recognizes and recommends advocacy forums for teammates' accomplishments
- Oversees, evaluates and revises the Quality Improvement and Patient Safety Plan
- Provides annual update to the RWJBarnabas Health Quality Executive Council on service line performance on selected benchmarks, performance improvement projects and compliance with regulatory requirements
- Creation of Pharmacy Enterprise Annual Report for internal and external distribution

Sub-Councils

Pharmacy Directors Council
Clinical Pharmacy Council



**Robert Pellechio, RPh,
MPA**

Senior Vice President and Chief
Pharmacy Officer
Chair of Executive Council



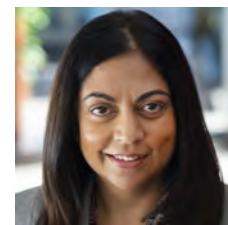
**Doug DeStefano,
PharmD**

Corporate Assistant Vice
President of Pharmacy
Operations



**Jessica Koerner, PharmD,
BCPS, BCACP, FASHP**

Corporate Assistant Vice
President of Integrated
Pharmacy Services



Indu Lew, PharmD

Chief of Staff



**Bryan McCormick,
CPhT, MBA**

Corporate Director 340B
Program



**Ellen Secaras, MBA,
RPh**

Corporate Director of Pharmacy
Systems Integration



**Suzanne Sesta, RPh,
BCSCP**

Vice President of Qualitas
Pharmacy Services



**Jennifer Sternbach,
PharmD, BCPS, BCACP**

Corporate Assistant Vice
President of Clinical Pharmacy
Services

Pharmacy Enterprise Directors Council

The RWJBarnabas Health Pharmacy Enterprise Directors Council is responsible for establishing system-wide pharmacy goals, overseeing and monitoring the performance of all medication management activities throughout the system and collaborating with the Clinical Pharmacy Council in carrying out these activities. The Council works to standardize processes, standardize policies, establish metrics to measure progress and expand the role of the pharmacist in the system so that they practice to the full extent of their licensure. The Council monitors the use of automation, standardizes equipment selections, monitors facilities so that they remain compliant with current regulations, and develops and approves system policies for the pharmacists in the system.

Membership

Chair: Corporate Assistant Vice President of Pharmacy Operations

Members: Corporate Senior Vice President and Chief Pharmacy Officer, Vice President of Qualitas Pharmacy Services, Corporate Assistant Vice President of Clinical Pharmacy Services, Corporate Assistant Vice President of Integrated Pharmacy Services, Corporate Director of Pharmacy Operations, Corporate Director of Pharmacy Systems Integration, and Directors of Pharmacy from the Acute Care and Integrated Services Lines

Meetings

The Pharmacy Directors Council shall meet monthly or as otherwise deemed necessary by the Chair, but not less than quarterly

Duties and Responsibilities

- Establishment of system-wide quality improvement activities, tracks progress by facility as well as aggregately towards completion, identifying any barriers, discussing and implementing solutions to overcome them
- Monitors key performance indicators and workload statistics
- Monitors medication errors and ADRs to implement standardized prevention methods
- Coordinates care of patients beyond the acute care setting
- Standardizes automation and equipment, reference materials, formulary process, medication use policies, tracking on activities, interventions and identification of ADRs
- Standardizes processes and policies throughout the system
- Increases compliance with Group Purchasing Organization (HPG) contracts to maximize value
- Develops career opportunities for staff development and career ladders
- Works to expand the practice of pharmacy and the role of the pharmacist within the system

Sub-Committees

Clinical Pharmacy Council

Collaboratives

Informatics Collaborative
Pharmacy Buyers Collaborative
Sterile Products Collaborative
Procurement Collaborative
Medication Management Collaborative
Oncology Collaborative



Doug DeStefano, PharmD

Corporate Assistant Vice President of Pharmacy Operations
Chair of Directors Council



Gary Del Piano, PharmD

Director of Pharmacy Services, Monmouth Medical Center Southern Campus



Heather DeSanto, PharmD, BCSCP

Director of Pharmacy Services, Cooperman Barnabas Medical Center



Maria DeVivo, PharmD, MPA, BCPS, BCACP

Director of Pharmacy Services, Jersey City Medical Center



Lynne Goldstein, RPh, MBA

Director of Pharmacy Services, Community Medical Center



Sharon Greasheimer, MPA, PharmD, RPh

Director of Pharmacy, Trinitas Regional Medical Center



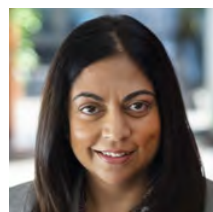
Michael P. Kane, RPh, BCOP

Executive Director, Oncology Pharmacy Services, Rutgers Cancer Institute of New Jersey



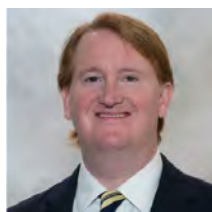
Jessica Koerner, PharmD, BCPS, BCACP, FASHP

Corporate Assistant Vice President of Integrated Pharmacy Services, Corporate Pharmacy



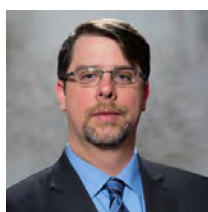
Indu Lew, PharmD

Chief of Staff



Jonathan Margolin, MHA, RPh, ACHE

Director of Pharmacy Services, RWJ University Hospital at Hamilton



Scott Mathis, PharmD

Regional Director of Pharmacy Services, Monmouth Medical Center Campuses



Bryan McCormick, CPhT, MBA

Corporate Director 340B Program, Corporate Pharmacy



Anita McNeill, RPh, BCSCP

Director of Pharmacy, Qualitas Pharmacy Services



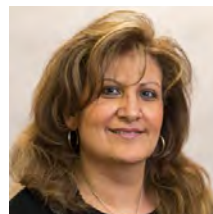
Fernando Oliveira, BA Biology

System Director of Pharmaceutical Procurement, Qualitas Pharmacy Services



Robert Pellechio, RPh, MPA

Senior Vice President and Chief Pharmacy Officer



Mona Philips, RPh, MAS

Director of Pharmacy Services, Clara Maass Medical Center



Irina Polotskiy, PharmD, BCPS

Director of Pharmacy Services, RWJ University Hospital at Rahway



Mary Pulidore, BSN, RN

Director of Nursing, Qualitas Pharmacy Services



Sandra Richardson, PharmD

Assistant Vice President of Clinical Services, Newark Beth Israel Medical Center



Ellen Secaras, MBA, RPh

Corporate Director of Pharmacy Systems Integration, Corporate Pharmacy



Suzanne Sesta, RPh, BCSCP

Vice President of Qualitas Pharmacy Services



Ronald Simbulan, RPh

Director of Pharmacy, Qualitas Pharmacy Services and LSC Mail Order



Jodie Skayhan, PharmD

Administrative Director, Pharmacy, RWJ University Hospital at New Brunswick



Jennifer Sternbach, PharmD, BCPS, BCACP

Corporate Assistant Vice President of Clinical Pharmacy Services



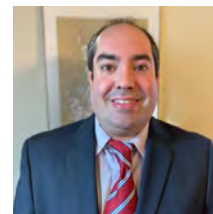
Christine Tricarico, PharmD, MBA, FACHE

Director of Pharmacy Services, Children's Specialized Hospital



Stuart Vigdor, BS Pharm, RPh

Director of Pharmacy Services, RWJ University Hospital at Somerset



Francisco Vila, PharmD, CSP

Director of Qualitas Pharmacy Services



Joe Voelkel, RPh

Assistant Vice President, Retail Pharmacy Network

Kim Walsh, RPh, MBA

Director of Pharmacy Services, Behavioral Health

Pharmacy Enterprise Clinical Council

The RWJBarnabas Health Pharmacy Enterprise Clinical Council is responsible for developing, operationalizing and monitoring the clinical pharmacy initiatives within the Pharmacy Enterprise. The focus of the council is to garner consensus amongst the clinical coordinators and managers within the acute care and integrated services divisions. The council is guided by evidence-based medicine and results of the performance improvement recommendations from the Pharmacy Directors Council and the Executive Pharmacy Council.

Membership

Chair: Assistant Vice President Clinical Pharmacy Services

Members: RWJBarnabas Health Senior Vice President and Chief Pharmacy Officer, Vice President of Qualitas Pharmacy Services, Corporate Assistant Vice President of Pharmacy Operations, Corporate Assistant Vice President of Integrated Pharmacy Services, Corporate Director of Pharmacy Operations, Corporate Director of Pharmacy Systems Integration and Clinical Leadership from the Acute Care and Integrated Services Lines

Meetings

The Clinical Pharmacy Council shall meet monthly or as otherwise deemed necessary by the Chair, but not less than quarterly

Duties and Responsibilities

- Implements strategies for system wide clinical pharmacy performance initiatives including operational oversight, education, monitoring, identifying barriers, and discussing possible solutions
- Incorporates the continuous quality improvement philosophy and methodologies to facilitate changes that support the Quality Portfolio
- Communicates clinical goals, tactics, activities and results
- Recognizes and celebrates successful performance improvement efforts
- Monitors medication errors and ADRs to implement standardized prevention methods
- Individual members accept accountability for removing barriers, assigning resources and ensuring implementation and compliance of goals and policies of the Pharmacy Enterprise
- Provides leadership, professional development, advocacy and resources that enable pharmacists to achieve excellence in practice
- Serves as a forum for identification and consensus of best practices
- Recommends and implements institutional policies and procedures related to quality, patient safety and performance improvement initiatives
- Advances clinical pharmacy through support and promotion of research, training and education

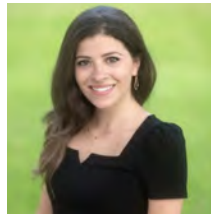
Collaboratives

Infectious Diseases Collaborative
Emergency Department Collaborative
Pediatric Collaborative
Ambulatory Care Collaborative
Residency Ambassadors
Critical Care Collaborative
Psychiatric Collaborative



Jennifer Sternbach, PharmD, BCPS, BCACP

Corporate Assistant Vice President of Clinical Pharmacy Services
Chair of Clinical Council



Emily Aboujaoude, PharmD

Clinical Assistant Professor- Rutgers University, Ernest Mario School of Pharmacy, Drug Information Residency Program Director- RWJ University Hospital



Alison Brophy, PharmD, BCPS, BCCCP

Assistant Director, Pharmacy Clinical Services, PGY1 Residency Program Director, Cooperman Barnabas Medical Center



Suzanne Caravella, PharmD, BCPS, RPh

Clinical Coordinator, RWJ University Hospital at Hamilton



Joseph Cavanaugh, PharmD, BCPS, BCCCP

Assistant Director of Pharmacy Services, Community Medical Center



Alexander Clark, PharmD, BCPS

Assistant Director of Pharmacy Clinical Services, Trinitas Regional Medical Center



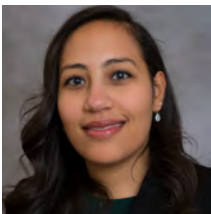
Doug DeStefano, PharmD

Corporate Assistant Vice President of Pharmacy Operations



Nancy Doherty, MS, RPh

Clinical Coordinator, Medication Safety Officer, PGY1 Residency Program Director, RWJ University Hospital at Somerset



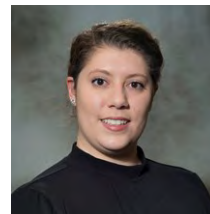
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Pharmacy Clinical Coordinator, Monmouth Medical Center Southern Campus



Germin Fahim, PharmD, BCPS

Clinical Coordinator, PGY1 Residency Program Director, Monmouth Medical Center



Anne Ficalora, PharmD, BCSCP

Sterile Products Supervisor, Community Medical Center



Alyssa Gallipani, PharmD, BCACP

Ambulatory Care Clinical Specialist, Corporate Pharmacy PGY2 Ambulatory Care Residency Program Director, Clinical Assistant Professor, FDU



Jessica Koerner, PharmD, BCPS, BCACP, FASHP

Corporate Assistant Vice President of Integrated Pharmacy Services, Corporate Pharmacy



Connie Ho, PharmD, MBA

Clinical Coordinator, Qualitas Pharmacy Services



Rahul Jacob, PharmD, BCACP

Ambulatory Care Clinical Specialist, RWJBarnabas-Rutgers Medical Group



Polly Jen, PharmD, BCPS, BCIDP, AAHIVP

Assistant Director of Clinical Services, PGY1 Residency Program Director, Newark Beth Israel Medical Center



**Karen Kisty, PharmD,
BCPS**

Manager of Pharmacy Services,
Children's Specialized Hospital



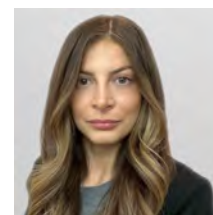
**Henry Leach, PharmD,
BCPP**

Clinical Coordinator, PGY2
Psychiatric Residency Program
Director, Behavioral Health



Indu Lew, PharmD

Chief of Staff



**Carolyn Lucchese,
PharmD, BCPS**

Assistant Director of Clinical
Pharmacy, RWJ University
Hospital at Rahway



**Sharon Mindel, PharmD,
MBA**

Assistant Clinical Director of
Pharmacy, PGY1 Residency
Program Director, RWJ University
Hospital at New Brunswick



**Sandy Moreau, PharmD,
BCPS**

Clinical Coordinator, PGY1
Pharmacy Residency Program
Director, Jersey City Medical
Center



**Rahul Nakrani, MBA,
MS**

Clinical Financial Analyst,
Corporate Pharmacy



**Aimee Patel, PharmD,
BCACP**

Ambulatory Care Clinical
Specialist, Clinical Assistant
Professor, Ernest Mario School of
Pharmacy



**Mitesh M Patel, PharmD,
BCCCP**

Clinical Coordinator, Pharmacy
PGY1 Residency Program
Director, Clara Maass Medical
Center



**Robert Pellechipp, RPh,
MPA**

Corporate Vice President of
Integrated Pharmacy Services



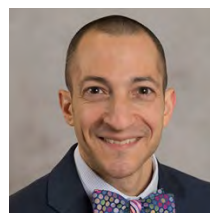
**Ellen Secaras, MBA,
RPh**

Corporate Director of Pharmacy
Systems Integration, Corporate
Pharmacy



**Lalitha Sukumar,
PharmD**

Ambulatory Care Clinical
Specialist, RWJBarnabas -
Rutgers Medical Group



Lucio Volino, PharmD

Clinical Pharmacist Retail Network
and Clinical Associate Professor,
Ernest Mario School of Pharmacy,
Rutgers University



**Pharmacy Enterprise
Collaboratives**

Pharmacy Enterprise Ambulatory Care/Transitions of Care Collaborative

The RWJBarnabas Health Pharmacy Enterprise Ambulatory Care Collaborative aims to provide patient centric medication therapy to the communities we serve to foster health promotion.

Mission Statement

To ensure that patients treated outside of the acute care facilities of RWJBarnabas Health received optimal medication management.

Membership

Chair: Assistant Vice President Clinical Pharmacy Services

Members: Ambulatory Care Specialists from Ambulatory Care Division, and Clinical Pharmacy Specialists from the Acute Care Service Line

Meetings

The Ambulatory Care Collaborative shall meet quarterly or as otherwise deemed necessary by the chair

How We Accomplish Our Mission

The Ambulatory Care Collaborative accomplishes their mission by connecting with the patients and communities we serve to understand specific barriers to optimal health. Pharmacists that comprise the Ambulatory Care Collaborative are equipped to help manage not only individual patient care but also broader population health initiatives. Members collaborate with other providers to ensure the continuum of care, utilize resources such as pharmacy residents and students to foster a learning environment, and broaden the reach of the division to a wider population. The collaborative tracks interventions, provides education to providers, monitors progress of patients and initiatives, and reports successes and learning opportunities with other providers to improve the health of the patients we serve.



Jennifer Sternbach, PharmD, BCPS, BCACP

Corporate Assistant Vice President of Clinical Pharmacy Services
Chair of Ambulatory Care Collaborative



Jessica Bente-Miller, PharmD, BCPS, BCGP

Clinical Specialist, Geriatrics, PGY2 Geriatrics Residency Program Director, Cooperman Barnabas Medical Center



Nicolle Dambly, PharmD

Clinical Psychiatric Pharmacist, Monmouth Medical Center, Clinical Assistant Professor, Ernest Mario School of Pharmacy, Rutgers



Christine Dimaculangan, PharmD, BCACP

Ambulatory Care Clinical Specialist, Jersey City Medical Center, Clinical Assistant Professor, Ernest Mario School of Pharmacy



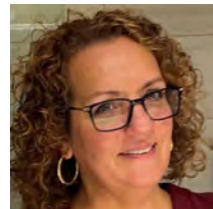
Laurie Eckert, PharmD

Medication optimization pharmacist, RWJ New Brunswick



Alyssa Gallipani, PharmD, BCACP

Ambulatory Care Clinical Specialist, Corporate Pharmacy PGY2 Ambulatory Care Residency Program Director, Clinical Assistant Professor, FDU



Donna Grando, PharmD, BCPS

Clinical Pharmacist, Population Health



Rahul Jacob, PharmD, BCACP

Ambulatory Care Clinical Specialist, RWJBarnabas - Rutgers Medical Group



Pooja Le, PharmD, CSP

Certified Specialty Pharmacist, Clinical Specialist, Qualitas Pharmacy Services



Ammie Patel, PharmD, BCACP

Ambulatory Care Specialist, Corporate Pharmacy, Clinical Assistant Professor, Ernest Mario School of Pharmacy



Ruben Patel, PharmD, BCPS, BCCP, BCCCP

Critical Care Pharmacy Specialist, Clara Maass Medical Center



Mary Pulidore, BSN, RN

Director of Nursing, Qualitas Pharmacy Services



Cristina Santos, PharmD, BCPS

Clinical Generalist, Internal Medicine, Clara Maass Medical Center



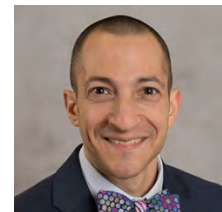
Ronald Simbulan, RPh

Director of Pharmacy, Qualitas Pharmacy Services and LSC Mail Order



Lalitha Sukumar, PharmD

Ambulatory Care Clinical Specialist, RWJBarnabas - Rutgers Medical Group



Lucio Volino, PharmD

Clinical Pharmacist Retail Pharmacy Network and Clinical Associate Professor Ernest Mario School of Pharmacy, Rutgers University

Shesha Desai, Pharm D, BC-ADM

Diabetes Educator, RWJ
University Hospital at Hamilton

Patricia Hafitz, RPh, CACP

Anticoagulation Pharmacist, RWJ
University Hospital at Hamilton

Pharmacy Enterprise Critical Care Collaborative

The RWJBarnabas Health Pharmacy Enterprise Critical Care Pharmacy Collaborative is responsible for ensuring the continuum of care for critically ill patients throughout our network. The collaborative consists of Critical Care pharmacy specialists who take pride in enhancing medication management including the standardization of order sets, implementing best practices and formulary considerations as a means to promote medication safety and quality patient care. In addition to medication management and clinical expertise, the collaborative takes special interest in promoting student and resident education. Members of this collaborative are experienced in clinical research and generate numerous publications and professional presentations each year.

Membership

Chair: Critical Care Clinical Specialist, RWJ Hamilton, Clinical Professor and Clinical Director, Simulation, Ernest Mario School of Pharmacy

Co-Chair: Critical Care Clinical Pharmacy Specialist, Jersey City Medical Center

Members: Corporate Assistant Vice President of Integrated Pharmacy Services, Critical Care Clinical Specialists, PGY2 Critical Care Residents

Meetings

The Critical Care Pharmacy Collaborative meets monthly

Duties and Responsibilities

- Serve as subject matter experts in Critical Care pharmacotherapy by providing recommendations to a variety of pharmacy and multidisciplinary committees at both the system and local levels.
- Standardize best practices in relation to management of critically ill patients across the enterprise.
- Assist in order set creation and review based on best evidence for our electronic health record.
- Review and make recommendations for policies and procedures relating to critical care across the enterprise.
- Provides recommendations to the Clinical Pharmacy Council and Sterile Products Collaborative regarding optimization of practice.
- Develop and execute research and quality improvement projects.
- Promote and share educational opportunities for pharmacy residents, students and pharmacists across the enterprise.



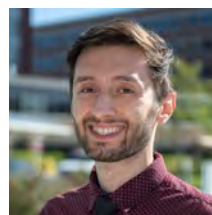
Liza Barbarello Andrews, PharmD,
RPh, BCCCP, BCPS, CHSE

Clinical Professor and Clinical Director,
Simulation, Ernest Mario School of
Pharmacy, Clinical Pharmacy Specialist,
RWJ University Hospital at Hamilton,
Chair of Critical Care Collaborative



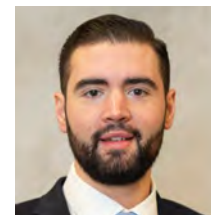
Michelle Mercadante,
PharmD, BCCCP

Critical Care Clinical Pharmacy
Specialist, Jersey City Medical
Center
Co-Chair of Critical Care
Collaborative



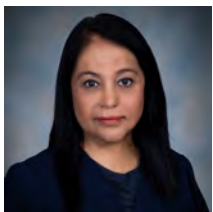
Francesco Ciummo,
PharmD, BCCCP

Critical Care Clinical Pharmacist
Specialist, Cooperman Barnabas
Medical Center



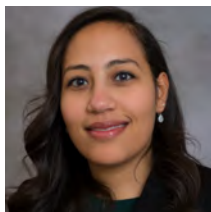
Alexander Clark,
PharmD, BCPS

Assistant Director of
Pharmacy Clinical Services, Trinitas
Regional Medical Center



Deepali Dixit, PharmD,
BCPS, BCCCP, FCCM

Clinical Pharmacy Specialist, RWJ
University Hospital at
New Brunswick,
Clinical Associate Professor, Ernest
Mario School of Pharmacy



Yasmine Elbaga,
PharmD, BCPS

Pharmacy Clinical Coordinator,
Monmouth Medical Center Southern
Campus



Jessica Hu, PharmD

Critical Care Clinical Pharmacy
Specialist, RWJ University Hospital at
Somerset, Clinical Assistant Professor,
Ernest Mario School of Pharmacy
Rutgers University



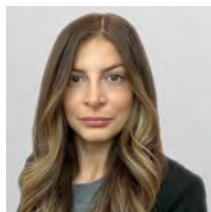
Soo Kang, PharmD,
BCCCP

Critical Care Clinical Specialist,
Clara Maas Medical Center



Jessica Koerner, PharmD,
BCPS, BCACP, FASHP

Corporate Assistant Vice
President of Integrated
Pharmacy Services, Corporate
Pharmacy



Carolyn Lucchese,
PharmD, BCPS

Assistant Director of Clinical
Pharmacy, RWJ University
Hospital at Rahway



Mitulkumar Patel,
PharmD, BCCCP

Critical Care Clinical Specialist,
Newark Beth Israel Medical
Center



Ewelina Pelczar, BA,
PharmD

Clinical Assistant Professor, Ernest
Mario School of Pharmacy, Rutgers,
Critical Care Clinical Specialist, RWJ
University Hamilton



Julie Saleh, PharmD,
BCPS

Critical Care Clinical Specialist,
Monmouth Medical Center,
Clinical Associate Professor,
Ernest Mario School of
Pharmacy



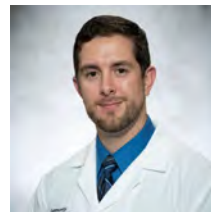
Jesse Sullivan, PharmD,
BCPS, BCCCP

Critical Care Clinical Specialist,
Critical Care PGY2 Residency
Program Director, Community
Medical Center, Clinical Assistant
Professor, FDU



Sarah Uricher, PharmD

PGY2 Critical Care Pharmacy
Resident



Andrew Vassallo,
PharmD, BCPS, BCCCP

Critical Care Clinical Specialist,
PGY1 Program Residency
Director Community Medical
Center

Pharmacy Enterprise Emergency Department Collaborative

The RWJBarnabas Health Pharmacy Enterprise Emergency Department Collaborative aims to promote safe and effective medication use in the Emergency Departments of RWJBarnabas Health.

Membership

Chair: Emergency Department Clinical Specialist, Clara Maass Medical Center

Co-Chair: Emergency Medicine Clinical Clinical Specialist, Newark Beth Israel Medical Center

Members: Corporate Assistant Vice President of Clinical Pharmacy Services and Emergency Department Pharmacy Specialists from Acute Care Service Line, PGY2 Emergency Medicine Resident

Meetings

The Emergency Department Collaborative shall meet quarterly or as otherwise deemed necessary by the chair

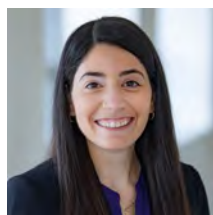
How We Accomplish Our Mission

The Emergency Department Collaborative accomplishes their mission by ensuring high quality medication administration, promoting safe medication usage, enhancing education and research to allow for advancement of public health and educational programs to all levels of health care providers. The collaborative works with their local emergency medicine physicians, nurses and other healthcare professionals to align appropriate medication therapy with emergency medication initiatives and national quality indicators. They work to refine the electronic medication ordering system to facilitate appropriate prescribing in the emergency departments. They provide recommendations to the Clinical Pharmacy Council regarding management of shortages for emergency medications. They design, execute, and report emergency medicine quality improvement research.



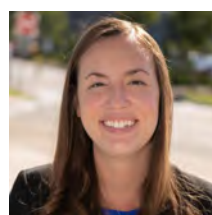
**Brandon Chen, PharmD,
BCPS**

Clinical Specialist, Emergency
Medicine, Clara Maass Medical
Center
Chair of Emergency Department
Collaborative



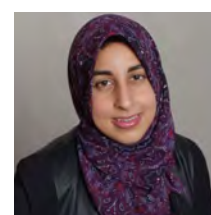
**Dana Serao, PharmD,
BCPS**

Emergency Medicine Clinical
Specialist, Newark Beth Israel
Medical Center
Co-Chair of Emergency Department
Collaborative



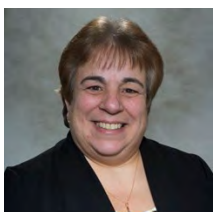
**Angela Antonello,
PharmD, BCPS, BCCCP**

Emergency Medicine Clinical
Pharmacist Specialist,
Cooperman Barnabas Medical
Center



**Nadia Awad, PharmD,
MS, BCPS**

Clinical Specialist, Emergency
Medicine, RWJ University
Hospital at New Brunswick



**Suzanne Caravella,
PharmD, BCPS, RPh**

Clinical Coordinator, RWJ
University Hospital at Hamilton



Sandra Eid, PharmD

Emergency Medicine Clinical
Specialist, Community Medical
Center



**Yasmine Elbaga,
PharmD, BCPS**

Pharmacy Clinical Coordinator,
Monmouth Medical Center
Southern Campus



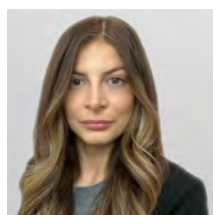
**Michelle Gardiner,
PharmD, BCGP**

Emergency Medicine Clinical
Specialist, Monmouth Medical
Center



**Matthew Lamb, PharmD,
BCCCP**

Emergency Medicine Clinical
Pharmacy Specialist, Jersey City
Medical Center



**Carolyn Lucchese,
PharmD, BCPS**

Assistant Director of Clinical
Pharmacy, RWJ University
Hospital at Rahway



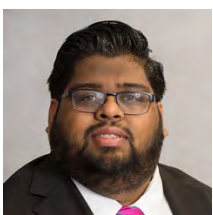
**May Nguyen, PharmD,
BCGP, BCCCP**

Emergency Medicine and Transitions
of Care Pharmacist, RWJ University
Hospital at Somerset, Clinical
Assistant Professor, Emergency
Medicine & Transitions of Care,
Ernest Mario School of Pharmacy,
Rutgers University



**Anish Patel, PharmD,
BCPS**

Emergency Room Pharmacist,
RWJ University
Hospital at New Brunswick



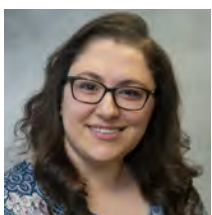
**Mitesh M Patel, PharmD,
BCCCP**

Clinical Coordinator, Pharmacy
PGY1 Residency Program
Director, Clara Maass Medical
Center



**Ewelina Pelczar, BA,
PharmD**

Clinical Assistant Professor, Ernest Mario
School of Pharmacy, Rutgers, Critical
Care Clinical Specialist, RWJ University
Hamilton



**Marina Pittiglio, PharmD,
BCCCP**

Emergency Medicine Clinical
Specialist, Community Medical
Center



**Jennifer Sternbach,
PharmD, BCPS, BCACP**

Corporate Assistant Vice
President of Clinical Pharmacy
Services



Christine Tricarico,
PharmD, MBA, FACHE

Director of Pharmacy Services,
Children's Specialized Hospital



Joe Voelkel, RPh

Assistant Vice President, Retail
Pharmacy Network

Gregory Kelly, PharmD, MS, BCCCP
Clinical Assistant Professor, Residency
Program Director, PGY2 Emergency
Medicine, Ernest Mario School of Pharmacy
Rutgers

David Kingsley, PharmD
PGY2 Emergency Medicine Resident

Jesse Lewandowski, PharmD
PGY2 Emergency Medicine Resident

Kim Walsh, RPh, MBA
Director of Pharmacy Services, Behavioral
Health

Pharmacy Enterprise Infectious Diseases Collaborative

The RWJBarnabas Health Pharmacy Enterprise Infectious Diseases Collaborative is responsible for promoting the judicious use of antimicrobials throughout the health system to optimize patient outcomes and limit adverse effects. The collaborative garners consensus among content experts regarding design and implementation of strategies to improve antimicrobial use. Evidence-based medicine and rigorous literature evaluation drive the decision-making process. The collaborative supports the Clinical Pharmacy Council and coordinates with both system-wide and local multidisciplinary committees in order to fulfill its responsibilities.

Membership

Chair: Clinical Pharmacy Specialist, Antimicrobial Stewardship, Cooperman Barnabas Medical Center

Co-Chair: Infectious Diseases and Antimicrobial Stewardship Clinical Pharmacy Specialist, Jersey City Medical Center

Members: Corporate Assistant Vice President of Clinical Pharmacy Services, Corporate Director of Clinical Pharmacy Services, Corporate Director of Pharmacy Systems Integration and Clinical Pharmacy Specialists from Acute Care Service Line

Meetings

The Antimicrobial Stewardship Subcommittee shall meet quarterly or as otherwise deemed necessary by the chair

Duties and Responsibilities

- Serves as infectious disease pharmacotherapy subject matter experts by providing antimicrobial use recommendations to a variety of pharmacy and multidisciplinary committees at both the system and local levels
- Collaborates with Microbiology to enhance culture identification and antimicrobial susceptibility testing and reporting
- Refines the electronic medication ordering system in collaboration with Information Technology to facilitate appropriate antimicrobial selection, dosing and duration
- Advocates for antimicrobial stewardship throughout the continuum of care
- Develops educational materials regarding antimicrobial stewardship and antimicrobial resistance
- Provides recommendations to the Clinical Pharmacy Council regarding antimicrobial formulary decisions
- Designs, executes and reports antimicrobial stewardship quality improvement research
- Tracks and monitors antimicrobial stewardship outcome metrics
- Develops strategies to ensure compliance with antimicrobial stewardship regulatory requirements
- Serves as a representative on the system-wide Infectious Disease Multidisciplinary Collaborative



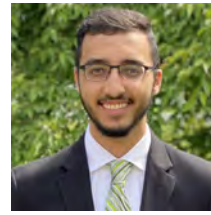
**Steven Smoke, PharmD,
BCPS, BCIDP**

Clinical Pharmacy Specialist,
Infectious Diseases/Antimicrobial
Stewardship, Cooperman
Barnabas Medical Center
Chair of Infectious Diseases
Collaborative



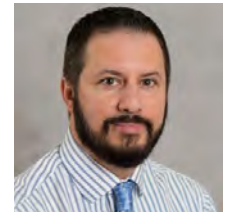
**Nicole Leonida, PharmD,
BCPS, BCIDP**

Infectious Diseases and Antimicrobial
Stewardship Clinical Pharmacy
Specialist, Jersey City Medical Center
Co-Chair of Infectious Diseases
Collaborative



Mahmoud Aly, PharmD

Antimicrobial Stewardship/
Infectious Diseases Clinical
Pharmacist , RWJ University
Hospital at Rahway



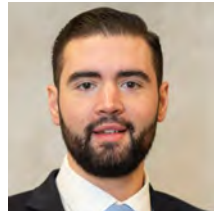
**Luigi Brunetti, PharmD,
PhD, BCPS, BCGP**

Clinical Pharmacist, Internal
Medicine, RWJ University Hospital at
Somerset, Clinical Associate
Professor, Internal Medicine, Ernest
Mario School of Pharmacy, Rutgers
University



**Suzanne Caravella,
PharmD, BCPS, RPh**

Clinical Coordinator, RWJ
University Hospital at Hamilton



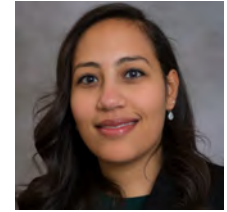
**Alexander Clark,
PharmD, BCPS**

Assistant Director of
Pharmacy Clinical Services,
Trinitas Regional Medical Center



**Ashita Debnath, BS,
PharmD, BCIDP**

Infectious Disease Clinical
Specialist, Community
Medical Center



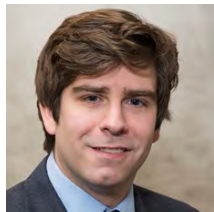
**Yasmine Elbaga,
PharmD, BCPS**

Pharmacy Clinical Coordinator,
Monmouth Medical Center Southern
Campus



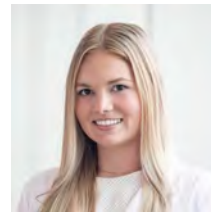
**Polly Jen, PharmD,
BCPS, BCIDP, AAHIVP**

Assistant Director of Clinical
Services, PGY1 Residency Program
Director, Newark Beth Isreal Medical
Center



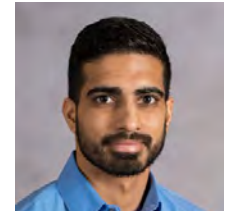
**Henry Leach, PharmD,
BCPP**

Clinical Coordinator, PGY2 Psychiatric
Residency Program Director, Behavioral
Health



**Leah Leszcynski,
PharmD**

Clinical Pharmacist,
Monmouth Medical Center Southern
Campus



**Navaneeth Narayanan,
PharmD, MPH, BCIDP**

Infectious Disease Specialist, RWJ
University Hospital at New
Brunswick, Clinical Assistant
Professor Ernest Mario School of
Pharmacy, Rutgers University



**Karan Raja, PharmD,
BCIDP, BCPS, AAHIVP**

Clinical Pharmacy Specialist,
Infectious Disease, Clara Maass
Medical Center



Monica Shah, PharmD

Antibiotic Stewardship Clinical
Specialist, Monmouth Medical
Center



**Jennifer Sternbach,
PharmD, BCPS, BCACP**

Corporate Assistant Vice
President of Clinical Pharmacy
Services



Elizabeth Stone,
PharmD, BCGP, AE-C

Antimicrobial Stewardship Clinical
Specialist, Newark Beth Israel
Medical Center



Arsheena Yassin,
PharmD, BCIDP

Pharmacy Specialist Infectious
Disease, RWJ University
Hospital at New Brunswick

Pharmacy Enterprise Informatics Collaborative

The purpose of the RWJBarnabas Health Pharmacy Enterprise Informatics Collaborative is to standardize, translate and implement clinical and operational technology initiatives affecting medications throughout the healthcare system. The collaboration shares best practices and will bring forth pharmacy informatics recommendations to the applicable Pharmacy Enterprise Councils for approval.

Mission Statement

To ensure that any medication-related technologies across the healthcare continuum are clinically, financially and operationally leveraged to current quality standards, clinical guidelines and regulations and optimized to improve patient care, population health outcomes and systems interoperability.

Membership

Chair: Corporate Director of Pharmacy Systems Integration

Members: Enterprise Clinical Information Systems (ECIS) Director of Pharmacy Informatics, ECIS Pharmacy Systems Analysts and Pharmacists, Assistant Director of Operations, IT Pharmacists/RN/pharmacy biller/analysts/coordinators from the Acute Care Service Lines, Senior Pharmacy Reimbursement Specialist, Pharmacy Billing, Denials and Appeals Specialist, Corporate Systems Integration Pharmacist, Corporate 340B Director and 340B Analysts.

Meetings

The Pharmacy Informatics Collaborative shall meet bi-monthly or as otherwise deemed necessary by the Chair, but not less than quarterly.

How We Accomplish Our Mission

The Pharmacy Informatics Collaborative accomplishes our objectives by leveraging automation and technology resources to support continuing compliance and patient safety. The resources include but are not limited to the enterprise clinical information systems (ECIS), smart infusion pump software, automated dispensing cabinets, inventory management software, drug diversion analytics, barcode label standardization & maintenance, 340B software, financial, business intelligence and healthcare analytics reporting tools.

Duties and Responsibilities

- Proactively identifies operational efficiencies to fulfill our purpose and mission
- Optimizes automated dispensing cabinets and medication access functionality and inventory management
- Standardizes formulary and charge description master (CDM) request process for additions, deletions and changes
- Provides pharmacy informatics expertise and recommendations on existing and new technologies
- Develops and implements system-wide medication charge reconciliation initiatives



Ellen Secaras, MBA,
RPh

Corporate Director of Pharmacy
Systems Integration, Corporate
Pharmacy
Chair of Informatics
Collaborative



Linda Allen, RPh

IT systems Pharmacist,
Cooperman Barnabas Medical
Center



Susan Apisa-Fischetti

Pharmacy Biller, RWJ University
Hospital at New Brunswick



Alfredo Balleras, RPh

Lead Application Analyst, Epic
Willow, Enterprise Clinical
Information Systems



Angelina Bayruns, CPhT

340B Analyst, Corporate
Pharmacy



Brian Bishop, PharmD

Pharmacy Systems Integration
Analyst, Newark Beth Israel Medical
Center



Larry Burnstein, BA

CIS Pharmacy Analyst,
Enterprise Clinical Information
Systems



Todd Butala, PharmD

Assistant Director of Operations,
Monmouth Medical Center



Sheryl Darville, PharmD

Information Technology
Pharmacist, Jersey City
Medical Center



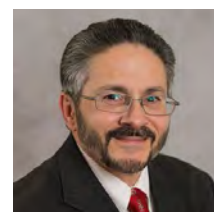
Steven DePaolo, RPh

Pharmacist, Enterprise Clinical
Information Systems



Anne Hameed, CPhT,
CSPT

Pharmacy Billing, Denials &
Appeals Specialist, Corporate
Pharmacy



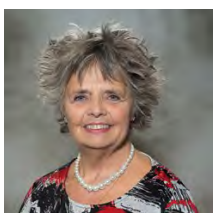
Richard Hilway, RPh

Director of Pharmacy
Informatics, Enterprise Clinical
Information Systems



Moises Junchaya,
PharmD

Pharmacy Systems
Administrator, RWJ University
Hospital at New Brunswick



Margaret Kosci, RN, MHA

Pharmacy Systems Analyst,
Behavioral Health and
Monmouth Medical Center
Southern Campus



Tammy Kupper, CPhT

340B Analyst, Corporate
Pharmacy



Fuwing Lee, RPh, MPA,
MSHI

Clinical Pharmacist Specialist,
Rutgers Cancer Institute of New
Jersey



Barry MacNeil, RPh

Pharmacist, Enterprise Clinical Information Systems



Kabeer Mago, PharmD, RPh

Systems Integration Pharmacist, Corporate Pharmacy



Norah Mahoney, PharmD, BCPS

Informatics Pharmacy Specialist, Community Medical Center



Edmund Manger, RPh, MAS

Informatics Pharmacist, Clara Maass Medical Center



Bryan McCormick, CPhT, MBA

Corporate Director 340B Program, Corporate Pharmacy



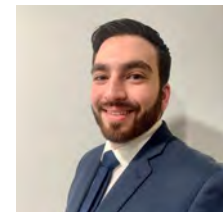
Fred Penn, RPh

CIS Pharmacist, Enterprise Clinical Information Systems



Daniel Pung, PharmD

CIS Pharmacist, Enterprise Clinical Information Systems



George Romanos, MBA

IT Specialist, Clara Maass Medical Center



Eliana Solis, CPhT, CSPT

Pharmacy Purchasing Coordinator/ Pyxis Administrator, RWJ University Hospital at Rahway



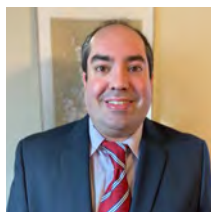
Berna Sweeney, CPhT

Senior Pharmacy Reimbursement Specialist, Corporate Pharmacy



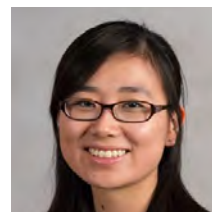
Reza Tonkaboni, BS Pharm

Pharmacy Coordinator, RWJ University Hospital at Hamilton



Francisco Vila, PharmD, CSP

Director of Qualitas Pharmacy Services



Stephanie Wei, PharmD, BCPS

Pharmacy Systems Administrator, RWJ University Hospital at Somerset

Pharmacy Enterprise Medication Management Collaborative

The purpose of the RWJBarnabas Health Pharmacy Medication Management Collaborative is to create consistent, aligned Policy and Procedure documents across all facilities. These policies will be regulatory compliant as related to Department of Health, New Jersey Board of Pharmacy, the Joint Commission, DNV GL, Drug Enforcement Agency, Food and Drug Administration, Environmental Protection Agency and other local, state and federal agencies.

Membership

Members: Vice President of Qualitas Pharmacy Services, Corporate Assistant Vice President of Pharmacy Operations, Directors of Pharmacy across the acute care service line, Children's Specialized Hospital, Barnabas Behavioral Health, CINJ, Qualitas and Corporate.

Duties and Responsibilities

- Investigate and identify opportunities for standardization of policies and procedures.
- Update, merge existing or create new documents to minimize policy and procedure variation across sites.
- Ensure policies and procedures meet current regulations and guidance.
- Ensure policies and procedures are designed to be successfully implemented and followed.



Gary Del Piano, PharmD

Director of Pharmacy Services,
Monmouth Medical Center
Southern Campus



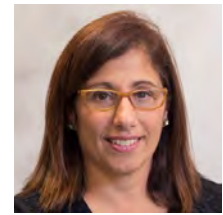
Heather DeSanto,
PharmD, BCSCP

Director of Pharmacy Services,
Cooperman Barnabas Medical
Center



Doug DeStefano,
PharmD

Corporate Assistant Vice
President of Pharmacy
Operations



Maria DeVivo, PharmD,
MPA, BCPS, BCACP

Director of Pharmacy Services,
Jersey City Medical Center



Lynne Goldstein, RPh,
MBA

Director of Pharmacy Services,
Community Medical Center



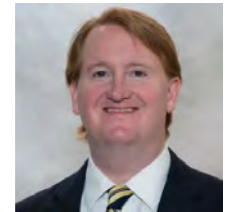
Sharon Greasheimer,
MPA, PharmD, RPh

Director of Pharmacy, Trinitas
Regional Medical Center



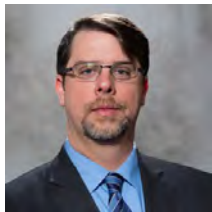
Michael P. Kane, RPh,
BCOP

Executive Director, Oncology
Pharmacy Services, Rutgers
Cancer Institute of New Jersey



Jonathan Margolin, MHA,
RPh, ACHE

Director of Pharmacy Services,
RWJ University Hospital at
Hamilton



Scott Mathis, PharmD

Regional Director of Pharmacy
Services, Monmouth Medical
Center Campuses



Mona Philips, RPh, MAS

Director of Pharmacy Services,
Clara Maass Medical Center



Irina Polotskiy, PharmD,
BCPS

Director of Pharmacy Services,
RWJ University Hospital at
Rahway



Sandra Richardson,
PharmD

Assistant Vice President of
Clinical Services, Newark Beth
Israel Medical Center



Suzanne Sesta, RPh,
BCSCP

Vice President of Qualitas
Pharmacy Services



Jodie Skayhan, PharmD

Administrative Director,
Pharmacy, RWJ University
Hospital at New Brunswick



Christine Tricarico,
PharmD, MBA, FACHE

Director of Pharmacy Services,
Children's Specialized Hospital



Stuart Vigdor, BS Pharm,
RPh

Director of Pharmacy Services,
RWJ University Hospital at
Somerset

Kim Walsh, RPh, MBA

Director of Pharmacy
Operations, Behavioral Health

Pharmacy Enterprise Oncology Collaborative

Mission Statement

The mission of the Oncology Pharmacy Collaborative is to promote the most appropriate and cost-effective, evidence-based use and administration of chemotherapy, novel therapeutic agents, and other medical treatments or supportive care to ensure the highest quality and safety standards for patients undergoing care for cancer and cancer-related diseases.

Membership

Chair: Executive Director Oncology Pharmacy Services, Rutgers Cancer Institute of New Jersey

Co-Chair: Corporate Assistant Vice President of Pharmacy Operations

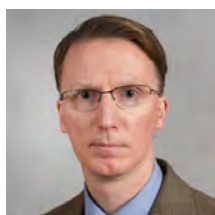
Members: Corporate Assistant Vice President of Integrated Pharmacy Services, Assistant Director Pharmacy Operations, Pharmacy Operations Manager, IV Room Supervisors and Oncology Pharmacists from the Acute Care Service Line

Meetings

The Oncology Collaborative shall meet quarterly or as otherwise deemed necessary by the chair.

How We Accomplish Our Mission

The Oncology Pharmacy Collaborative is a subcommittee of The Oncology P&T Committee and the Director's Council. The Collaborative assists the Rutgers Cancer Institute as the oncology service line for RWJ Barnabas Health enterprise by evaluating the quality and safety of the delivery of pharmaceutical care to patients with the diagnosis of cancer or cancer-related diseases. It is a single-disciplinary committee that is responsible for the assigned process of medication formulary review and contributing to the development of policies, procedures, and guidelines for medication management of cancer-related therapies within Rutgers Cancer Institute and RWJ Barnabas. All collaborative meetings are confidential. All functions are directed by and reported back to the main The Oncology P&T Committee and the Director's Council.



**Michael P. Kane, RPh,
BCOP**

Executive Director, Oncology
Pharmacy Services, Rutgers
Cancer Institute of New Jersey
Chair of Oncology
Collaborative



**Doug DeStefano,
PharmD**

Corporate Assistant Vice
President of Pharmacy
Operations
Co-chair of Oncology
Collaborative



**Olunmi Afolabi,
PharmD, BCSCP**

Sterile Products Supervisor,
Cooperman Barnabas Medical
Center



David Appel, PharmD

Pharmacy Operations Manager, RWJ
University Hospital at Hamilton



**David Awad, PharmD,
BCOP**

Pharmacy Specialist, Oncology,
RWJ University Hospital at New
Brunswick



**Isabel Caratenuto,
PharmD**

Oncology Pharmacy Specialist,
RWJ University Hospital at
Somerset



Abiola Emmanuel, RPh

Lead Oncology Clinical Staff
Pharmacist, Newark Beth Israel
Medical Center



**Elizabeth M. George,
PharmD, BCOP**

Pharmacist, RWJ University
Hospital at New
Brunswick



**Jessica Koerner, PharmD,
BCPS, BCACP, FASHP**

Corporate Assistant Vice
President of Integrated
Pharmacy Services, Corporate
Pharmacy



John Hoffman, PharmD

Assistant Director Pharmacy,
Operations, Cooperman
Barnabas Medical Center



**Fuwing Lee, RPh, MPA,
MSHI**

Clinical Pharmacist Specialist,
Rutgers Cancer Institute of New
Jersey



**Jiyeon Park, PharmD,
BCOP**

Clinical Pharmacist, Specialist-
Heme/BMT, Rutgers Cancer
Institute of New Jersey



Jigisha K. Patel, PharmD

Pharmacist, RWJ University
Hospital at Somerset



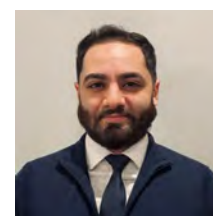
**Marcel Redhead,
PharmD**

Sterile Products Supervisor, Newark
Beth Israel Medical Center



Denise Saul, RPh

Oncology Clinical Specialist,
Newark Beth Israel Medical
Center



**Muhammad Shahid,
PharmD, BCOP**

Pharmacy Oncology Supervisor,
Jersey City Medical Center



**Simran Singh, PharmD,
BCPS**

Pharmacy Operations Supervisor,
Clara Maass Medical Center



Kathleen Tondo, PharmD

IV Supervisor,
Monmouth Medical Center

Susan Bruno, RPH
Oncology Pharmacist, RWJ University
Hospital at Hamilton

Ashley Finamore, PharmD, BCOP
Clinical Pharmacist, Specialist, Rutgers
Cancer Institute of New Jersey

Christian Gabel, PharmD
Pharmacist Manager, Investigational Drug
Services, Rutgers Cancer Institute of
New Jersey

Martin William Hesselbacher II, PharmD
Lead Pharmacist, Sterile Products
Supervisor, Monmouth Medical Center
Southern Campus

Esther Huang, PharmD, BCOP, BCPS
Clinical Pharmacist, Specialist-Heme/BMT,
Rutgers Cancer Institute of New Jersey

Jonathan Lalli, PharmD, BCOP
Clinical Pharmacist, Specialist-Heme,
Rutgers Cancer Institute of New Jersey

Jessica Stemple, PharmD, BCOP
Clinical Pharmacist, Specialist
Rutgers Cancer Institute of New Jersey

Pharmacy Enterprise Pediatric Collaborative

The RWJBarnabas Health Pharmacy Enterprise Pediatric Collaborative aims to standardize, enhance and support pediatric pharmacy practice across the health system.

Mission Statement

To promote safe and effective medication use for every pediatric patient treated in the RWJBarnabas Health system.

Membership

Chair: Corporate Assistant Vice President of Clinical Pharmacy Services

Members: Clinical Leadership from the Acute Care Service Line, Pediatric Pharmacy Specialists from the Acute Care Service Line, and Clinical Pharmacy Specialists from the Acute Care Service Line

Meetings

The Pharmacy Pediatric Collaborative shall meet quarterly or as otherwise deemed necessary by the Chair.

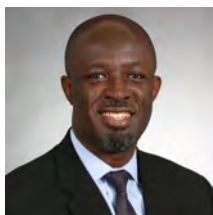
How We Accomplish Our Mission

The Pharmacy Pediatric Collaborative accomplishes the mission by sharing the expertise of pediatric pharmacy specialists through the development of guidelines, protocols and educational materials for all sites in the system. The pediatric collaborative works with pediatric leadership, local pediatric departments, and other healthcare professionals to ensure that medication use is evidence-based and aligned with national quality indicators. They work to optimize the electronic medication ordering system to facilitate appropriate prescribing, preparation, dispensing, and administration of medications to pediatric patients across the health system. They serve as the pediatric pharmacotherapy subject matter experts by providing recommendations to a variety of pharmacy and multidisciplinary committees at both the system and local level, and advocate for the recognition of the patient-specific needs of the pediatric population. The Pediatric Collaborative is a subcommittee of the Clinical Pharmacy Council. They provide communication surround medication shortages aimed to guide care and support the pediatric service line.



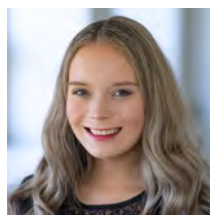
Jennifer Sternbach,
PharmD, BCPS, BCACP

Corporate Assistant Vice
President of Clinical Pharmacy
Services
Chair of Pediatric Collaborative



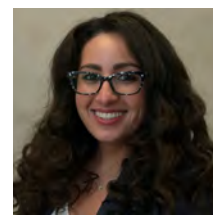
Kwakye Acheampong,
PharmD, BCPS

Assistant Director of Pharmacy
Operations, Trinitas Regional
Medical Center



Amanda Clouser,
PharmD

Pediatric Clinical Specialist,
Newark Beth Israel Medical
Center



Jessica Gerges, PharmD

Clinical Generalist, Clara Maass
Medical Center



Karen Kisty, PharmD,
BCPS

Manager of Pharmacy Services,
Children's Specialized Hospital



Jessica Lise, PharmD,
BCPS, BCPPS

Pediatric Pharmacy Specialist,
RWJ University Hospital at
New Brunswick



Rachel Meyers, PharmD,
BCPS, BCPPS

Rutgers Faculty and Pediatric
Clinical Specialist, Cooperman
Barnabas Medical Center



Sandy Moreau, PharmD,
BCPS

Clinical Coordinator, PGY1
Pharmacy Residency Program
Director, Jersey City Medical
Center



Mitesh M Patel, PharmD,
BCCCP

Clinical Coordinator, Pharmacy
PGY1 Residency Program Director,
Clara Maass Medical Center



Christine Tricarico,
PharmD, MBA, FACHE

Director of Pharmacy Services,
Children's Specialized Hospital

Pharmacy Enterprise Pharmacy Buyers Collaborative

Prescription drug costs, shortages, and access to medications continue to plague hospital and retail pharmacies. Often due to shortcomings in production quality assurance, scarcity of active pharmaceutical ingredient, or increased market utilization, medication shortages have disrupted pharmaceutical supply-chain workflow for over a decade. With limited relief on the horizon and generic manufacturers leaving the market due to narrow profitability, inventory management is of paramount concern for pharmacies. In an effort to mitigate provider or patient impact, RWJBH Pharmacy Buyers have employed best in class buying practices through systematic purchasing processes and enhanced communication.

Membership

Chair: Corporate Director 340B Program

Members: Pharmacy Buyers, System Director Pharmaceutical Procurement, Clinical Distribution Manager, 340B Analysts

Meetings

The Pharmacy Buyers Collaborative meets virtually on a monthly basis

Collaborative Purpose

The Pharmacy Buyers Collaborative initiated in 2017 as a semi-annual meeting for all RWJBarnabas Health pharmaceutical procurement stakeholders. Corporate Pharmacy identified value in facilitating increased communication and collaboration between key stakeholders within the health system. Therefore, to supplement annual meetings and other pharmacy enterprise collaborative efforts, the collaborative added brief monthly calls to address high-ticket items.

The collaborative continued its execution of a centralized hub for high dollar, high volume, shorted, and unique medications through RWJBH Consolidated Pharmacy Services. Continuing its goal for 2023, the collaborative remains resolute in maintaining lean, cost effective inventory processes while ensuring pharmaceutical supply chain interruptions do not clinically affect RWJBarnabas Health patients. Additionally, the collaborative will continue to execute its focused centralization mission.



Bryan McCormick, CPhT, MBA

Corporate Director 340B Program, Corporate Pharmacy Chair of Pharmacy Buyers Collaborative



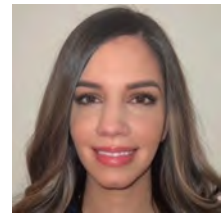
Angelina Bayruns, CPhT

340B Analyst, Corporate Pharmacy



Myriam Canuto, CPhT

Pharmacy Purchasing Agent, Trinitas Regional Medical Center



Danielle Cortes, CPhT

Inventory Analyst, RWJ University Hospital at New Brunswick



Cindy Cragle

Pharmacy Inventory Analyst, RWJ University Hospital at Somerset



Luchi Doyle

Pharmacy Buyer, Monmouth Medical Center Southern Campus



Lisa Freid

Pharmacy Technician Coordinator, Clara Maass Medical Center



Robin Henson, CPhT

Pharmacy Buyer, Monmouth Medical Center



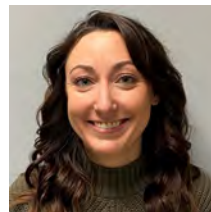
Joanna King, CPHT

Pharmacy Inventory Control Specialist, Newark Beth Israel Medical Center



Tammy Kupper, CPhT

340B Analyst, Corporate Pharmacy



Kara LaFontaine, CPhT

Pharmacy Buyer, Community Medical Center



Henry Leach, PharmD, BCPP

Clinical Coordinator, PGY2 Psychiatric Residency Program Director, Behavioral Health



Fernando Oliveira, BA Biology

System Director of Pharmaceutical Procurement, Qualitas Pharmacy Services



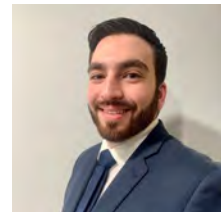
Kimberly Parris-Rock, CPhT

Purchasing Coordinator, Cooperman Barnabas Medical Center



Elizabeth Posada, CPhT

340B Program Coordinator/Pharmacy Buyer, RWJ University Hospital at New Brunswick



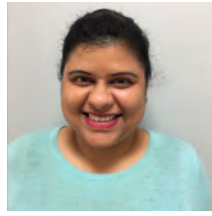
George Romanos, MBA

IT Specialist, Clara Maass Medical Center



Barbara Sanders

Pharmacy Buyer, Clara Maass
Medical Center



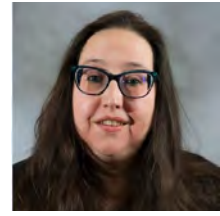
Teaka Singh, CPhT

340B Coordinator, Pharmacy
Buyer, Jersey City Medical
Center



**Eliana Solis, CPhT,
CSPT**

Pharmacy Purchasing
Coordinator/ Pyxis
Administrator, RWJ University
Hospital at Rahway



Kathy Stocker, CPhT

Pharmacy Buyer, RWJ
University Hospital at Hamilton

Rafe Fisher, Jr.

Inventory Technician, Newark Beth Israel Medical
Center

Colleen McLaughlin, CPhT

Pharmacy Technician, Monmouth Medical Center
Southern Campus

Pharmacy Enterprise Procurement Collaborative

The RWJBH Pharmacy Enterprise Procurement Collaborative promotes pharmaceutical supply chain efficiency and standardization in an effort to support positive patient outcomes through optimal medication availability. Stabilizing and preserving consistent supply chain operations results in a minimum of inventory disruptions.

The collaborative will utilize the experience of internal and external sources to create and implement processes which support the RWJBH Corporate Pharmacy Directors Council. In addition, the collaborative will coordinate efforts with multidisciplinary committees at both the health-system and local levels to realize its goals. To maintain service levels and mitigate limited supply concerns, the collaborative will facilitate the requisitioning, ordering, approving, receiving and payment of products with the added intent of alleviating supplemental expenses outside of usual-and-customary ordering practice and exploring other cost savings initiatives.

Membership

Chair: System Director of Pharmaceutical Procurement, Qualitas Pharmacy Services

Members: Senior Vice President and Chief Pharmacy Officer, Vice President of Qualitas Pharmacy Services, Corporate Assistant Vice President of Pharmacy Operations, Directors and Assistant Directors of Pharmacy across the acute care service line, Qualitas and Corporate.

Duties and Responsibilities

- Serve as the pharmaceutical supply chain subject matter experts, advising a variety of pharmacy and multidisciplinary committees within RWJBH.
- Collaborate with Directors of Pharmacy, Pharmacy Buyers, Corporate Purchasing, and Finance Departments to establish efficient, reliable and cost effective processes for pharmaceutical procurement.
- Develop and maintain educational material and policies regarding procurement processes.
- Guide local Pharmacy Department leadership to maximize supply and minimize expenses.
- Leverage relationships with Pharmaceutical Manufacturers and Wholesalers regarding supply updates, product allocations, delivery estimates, and expense/cost initiatives.
- Work in parallel with the Corporate Pharmacy Clinical Council regarding pharmaceutical formulary selections.



**Fernando Oliveira, BA
Biology**

System Director of Pharmaceutical Procurement, Qualitas Pharmacy Services, Chair of Procurement Collaborative



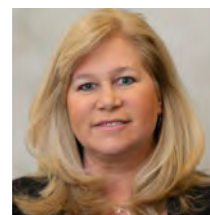
Todd Butala, PharmD

Assistant Director of Operations, Monmouth Medical Center



Doug DeStefano, PharmD

Corporate Assistant Vice President of Pharmacy Operations



Lynne Goldstein, RPh, MBA

Director of Pharmacy Services, Community Medical Center



Bryan McCormick, CPhT, MBA

Corporate Director 340B Program, Corporate Pharmacy



Robert Pellechio, RPh, MPA

Senior Vice President and Chief Pharmacy Officer



Ellen Secaras, MBA, RPh

Corporate Director of Pharmacy Systems Integration, Corporate Pharmacy



Suzanne Sesta, RPh, BCSCP

Vice President of Qualitas Pharmacy Services



Jodie Skayhan, PharmD

Administrative Director, Pharmacy, RWJ University Hospital at New Brunswick



Christine Tricarico, PharmD, MBA, FACHE

Director of Pharmacy Services, Children's Specialized Hospital

Pharmacy Enterprise Psychiatric Collaborative

The RWJBarnabas Health Pharmacy Enterprise Psychiatric Pharmacy Collaborative is responsible for ensuring the continuum of care for psychiatric patients throughout our network. The collaborative consists of neuropsychiatric pharmacy specialists who take pride in enhancing medication management including the standardization of order sets and formulary considerations as means to promote medication safety and quality patient care. In addition to medication management, the collaborative takes special interest in promoting students and residency education and networking opportunities within our network.

Membership

Chair: Clinical Coordinator, PGY2 Psychiatric Residency Program Director, Barnabas Behavioral Health

Members: Corporate Assistant Vice President of Integrated Pharmacy Services, Clinical Neuropsychiatric Pharmacy Specialist, Clinical Pharmacy Specialist, Psychiatric Clinical Pharmacist

Meetings

The Psychiatric Pharmacy Collaborative shall meet quarterly or as otherwise deemed necessary by the chair

Duties and Responsibilities

- Serve as subject matter experts in psychiatric pharmacotherapy by providing recommendations to a variety of pharmacy and multidisciplinary committees at both the system and local levels.
- Standardize psychiatric pharmacotherapy across the enterprise.
- Assist in order set creation and review based on best evidence for our electronic health record.
- Review and make recommendations for policies and procedures relating to mental health across the enterprise.
- Provides recommendations to the Clinical Pharmacy Council regarding new therapies in mental health.
- Develop and execute research and quality improvement projects in psychiatry.
- Develop and standardize strategies related to psychiatric medications and regulatory requirements.
- Promote and share educational opportunities for pharmacy residents across the enterprise.



**Henry Leach, PharmD,
BCPP**

Clinical Coordinator, PGY2
Psychiatric Residency Program
Director, Behavioral Health
Chair of Psychiatric Collaborative



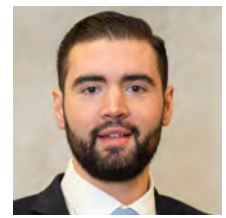
**Dehali Bandyopadhyay,
PharmD, MS**

Assistant Director of Operations,
Newark Beth Israel Medical
Center



**Leo Batongbakal,
PharmD, BCPP**

Psychiatry Clinical Pharmacy
Specialist, Jersey City Medical
Center



**Alexander Clark,
PharmD, BCPS**

Assistant Director of
Pharmacy Clinical Services,
Trinitas Regional Medical Center



Nicolle Dambly, PharmD

Clinical Psychiatric Pharmacist,
Monmouth Medical Center, Clinical
Assistant Professor, Ernest Mario
School of Pharmacy, Rutgers



**Nicole Daniel, PharmD,
BCPP**

Clinical Neuropsychiatric Pharmacy
Specialist, Clara Maass Medical
Center



**Jessica Koerner, PharmD,
BCPS, BCACP, FASHP**

Corporate Assistant Vice
President of Integrated
Pharmacy Services, Corporate
Pharmacy



**Megan Maroney,
PharmD, BCPP**

Clinical Psychiatric Pharmacist,
Monmouth Medical Center, Clinical
Associate Professor, Ernest Mario
School of Pharmacy, Rutgers



**Nicole Ryba, PharmD,
BCPP, BCGP**

Clinical Pharmacy Specialist,
Community Medical Center, Clinical
Assistant Professor, Fairleigh Dickinson
University

Pharmacy Residency Ambassadors Collaborative

The purpose of the RWJBarnabas Health Residency Ambassadors is to promote the RWJBarnabas Health pharmacy residency programs through various marketing channels including residency showcases and social media.

The mission of the Residency Ambassador is to demonstrate and embody the culture of our organization and introduce prospective residents to our philosophy from the first encounter.

Who We Are

The Residency Ambassadors are a group of passionate teammates who have trained in our system and chose to remain or return to the enterprise for their career. They come from diverse backgrounds and have demonstrated exceptional communication and leadership skills.

How We Accomplish Our Mission


The Ambassadors are able to meet their mission through a variety of creative techniques including webinars, social media postings, outreach and physical representation at residency showcases. Their ability to match a prospective candidate with the facilities that would best fit their needs allows for enhanced recruitment.


Duties and Responsibilities

The Residency Ambassadors work to promote the RWJBarnabas Health Enterprise through:

- Facilitate presentations and information tables at career, college and residency showcases
- Coordination of the annual RWJBarnabas Health Residency Annual Report
- Develop content for the enterprise social media accounts: Facebook, Twitter, LinkedIn and Instagram
- Serve as role models and leaders for current and prospective residents
- Participate in special events as needed including webinars and community outreach
- Manage and update the Pharmacy Enterprise website
- Create and implement unique marketing material tailored to attracting high caliber candidates

 facebook.com/rwjbhpharmacy

 @rwjbhpharmacy

 @rwjbhpharmacy



Angela Antonello,
PharmD, BCPS, BCCCP

Emergency Medicine Clinical Pharmacist Specialist, Cooperman Barnabas Medical Center



Jessica Bente-Miller,
PharmD, BCPS, BCGP

Clinical Specialist, Geriatrics, PGY2 Geriatrics Residency Program Director, Cooperman Barnabas Medical Center



Morgan Esordi, PharmD,
BCPS

Staff Clinical Pharmacist, RWJ University Hospital at Rahway



Alyssa Gallipani,
PharmD, BCACP

Ambulatory Care Clinical Specialist, Corporate Pharmacy PGY2 Ambulatory Care Residency Program Director, Clinical Assistant Professor, Fairleigh Dickinson University



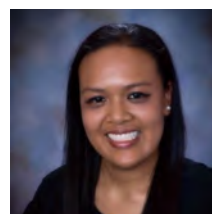
Tim Jacisin, PharmD,
BCACP

Clinical Specialist, Perioperative Services, Pharmacy Leadership Forum, Cooperman Barnabas Medical Center



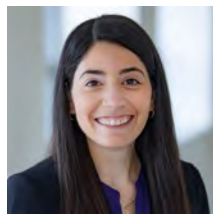
Rahul Jacob, PharmD,
BCACP

Ambulatory Care Clinical Specialist, RWJBarnabas - Rutgers Medical Group



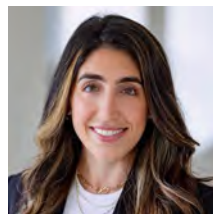
Nicole Leonida, PharmD,
BCPS, BCIDP

Infectious Diseases and Antimicrobial Stewardship Clinical Pharmacy Specialist, Jersey City Medical Center



Dana Serao, PharmD,
BCPS

Emergency Medicine Clinical Specialist, Newark Beth Israel Medical Center



Kayla Torppey, PharmD,
BCPS

Internal Medicine Clinical Specialist, Newark Beth Israel Medical Center

Pharmacy Enterprise Sterile Products Collaborative

The Pharmacy Enterprise Sterile Products Collaborative is responsible for maintaining compliance in both USP 797 and USP 800 federal regulations which govern compounding of all sterile products.

Membership

Chair: Sterile Products Supervisor, RWJ University Hospital at Somerset

Members: Vice President of Qualitas Pharmacy Services, Director of Pharmacy Qualitas Pharmacy Services and RWJ University Hospital at Hamilton, IV Technician Supervisor Qualitas Pharmacy Services, and Sterile Products / IV Room Supervisors from the Acute Care Service Line, Director of Oncology Pharmacy Services and Research Pharmacy Shared Resource Rutgers Cancer Institute of New Jersey

Duties and Responsibilities

- Renovating all clean rooms and areas where sterile compounding takes place in each facility to meet new USP 797 and 800 regulations
- Standardizing the maintenance of clean rooms, including the equipment and cleaning products used
- Standardizing the competency of employees that will work in the compounding of sterile products
- Standardization of policies for compounding, cleaning, and maintenance of the clean rooms or areas
- Guide decisions on what products to centralize the compounding at Qualitas Pharmacy Services



**Matthew Levanda, MBA,
RPh, BCSCP**

Sterile Products Supervisor,
RWJ University Hospital at
Somerset
Chair of Sterile Products
Collaborative



**Olubunmi Afolabi,
PharmD, BCSCP**

Sterile Products Supervisor,
Cooperman Barnabas Medical
Center



David Appel, PharmD

Pharmacy Operations Manager, RWJ
University Hospital at Hamilton



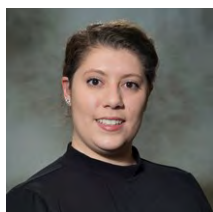
**Tiffany Cheng, PharmD,
BCSCP**

Sterile Products Supervisor,
Jersey City Medical Center



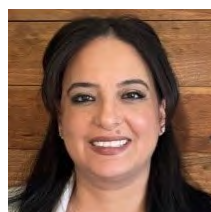
**Doug DeStefano,
PharmD**

Corporate Assistant Vice
President of Pharmacy
Operations



**Anne Ficalora, PharmD,
BCSCP**

Sterile Products Supervisor,
Community Medical Center



**Nakia Kandas, R.Ph,
BCSCP**

IV Supervisor, Qualitas
Pharmacy Services



**Michael P. Kane, RPh,
BCOP**

Executive Director, Oncology
Pharmacy Services, Rutgers
Cancer Institute of New Jersey



**Anita McNeill, RPh,
BCSCP**

Director of Pharmacy, Qualitas
Pharmacy Services



**Marcel Redhead,
PharmD**

Sterile Products Supervisor,
Newark Beth Israel Medical
Center



**Suzanne Sesta, RPh,
BCSCP**

Vice President of Qualitas
Pharmacy Services



**Simran Singh, PharmD,
BCPS**

Pharmacy Operations
Supervisor, Clara Maass
Medical Center



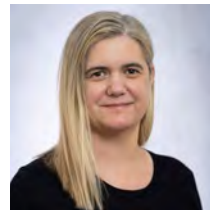
**Randolph Sturgill,
PharmD**

Chief Oncology Pharmacist,
Pharmacist In Charge,
Trinitas Comprehensive Cancer
Center



Melissa Thornhill, CPhT

Sterile Products Supervisor,
RWJ University Hospital at New
Brunswick



Kathleen Tondo, PharmD

IV Supervisor, Monmouth
Medical Center

Martin William Hesselbacher II, PharmD
Lead Pharmacist, Sterile Products Supervisor,
Monmouth Medical Center Southern
Campus

Dana Mikiewicz, PharmD
Lead Pharmacist,
Trinitas Regional Medical Center

Mary Milad, PharmD
Staff Pharmacist, Rutgers Cancer Institute of New
Jersey



Pharmacy Enterprise Divisions

The RWJBarnabas Health Pharmacy Enterprise is
Composed of Two Service Lines:
Acute Care Service and **Integrated Service**

**The Acute Care Service Line is
comprised of 14 pharmacy divisions:**

Barnabas Health Behavioral Health Center
Children's Specialized Hospital
Clara Maass Medical Center
Community Medical Center
Cooperman Barnabas Medical Center
Jersey City Medical Center
Monmouth Medical Center
Monmouth Medical Center Southern Campus
Newark Beth Israel Medical Center
RWJ University Hospital at Hamilton
RWJ University Hospital at New Brunswick
RWJ University Hospital at Rahway
RWJ University Hospital at Somerset
Trinitas Regional Medical Center

**The Integrated Service Line is comprised of 11
pharmacy divisions:**

340B Drug Pricing Program
Ambulatory Care Division
Corporate Pharmacy Division
Pharmacy Reimbursement Division
Qualitas Home Infusion Care Division
Qualitas LSC Mail Order Pharmacy Division
Qualitas Specialty Pharmacy Division
Qualitas Centralized Warehouse Division
Retail Pharmacy Network Division
Rutgers Cancer Institute of New Jersey
RWJBarnabas Consolidated Pharmacy Services
Division

Acute Care Service Line



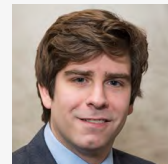
The RWJBarnabas Health Behavioral Health Center is a free-standing 100 bed acute care psychiatric facility which provides inpatient and intensive outpatient programs for adults and older adults diagnosed with psychiatric and dual diagnosis disorders. We are committed to serving our patients and providing a high level of care for our patients.

The pharmacy is located centrally in the building and is a pillar of providing medications, research, drug information, and clinical support for complex cases. The Barnabas Health Behavioral Health Center utilizes computerized physician order entry (CPOE), automated dispensing cabinets (ADC), and barcode medication administration (BCMA). These IT solutions allow the pharmacy to operate at high efficiency, enabling pharmacists to focus on clinical aspects of patient's treatment.

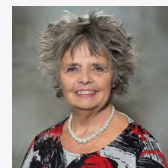
One unique aspect of the RWJBarnabas Health Behavioral Health Center is that our prescribers are hired by our hospital, allowing the pharmacy to collaborate closely with our psychiatrists and advanced practice nurses. Our pharmacists are relied upon by all disciplines throughout our facility and are a frequently called upon to assist in problem solving. Our pharmacists participate in patient rounds and multi-disciplinary treatment teams throughout the week. The clinical activities our pharmacists perform include: pain consultations, anticoagulation monitoring and dosing, monitoring of all drug levels, medication reconciliation, medication education through inpatient and outpatient groups, diabetes education to inpatients and outpatients, pharmacogenetic analysis, and antimicrobial drug monitoring.

The pharmacy is staffed by 3 full time pharmacists, 2 part time pharmacists and 1 full time technician during daytime hours and is operating until midnight by 1 full time pharmacist. The pharmacy at RWJBarnabas Health Behavioral Health Center precepts over 20 students per year and offers a ASHP accredited PGY2 psychiatric residency.

Kim Walsh, RPh, MBA
Director of Pharmacy Operations



Henry Leach, PharmD, BCPP
Clinical Coordinator, PGY2 Psychiatric Residency Program Director



Margaret Kosci, RN, MHA
Pharmacy Systems Analyst, Behavioral Health and Monmouth Medical Center Southern Campus

Acute Care Service Line



For over 125 years, Children's Specialized Hospital has been the nation's leading provider of inpatient and outpatient care for children from birth to 21 years of age facing special health challenges – from chronic illnesses and complex physical disabilities like brain and spinal cord injuries, to a full scope of developmental, behavioral, and mental health concerns.

Our pharmacy team consists of 27 employees spread across two pharmacy departments. The Acute Rehabilitation hospital location in New Brunswick is our central location, with another pharmacy located in the Mountainside facility that services our two Pediatric Long Term Care residential facilities. These pediatric pharmacists are fluent in pediatric dosing of all medications, and utilize the most recent evidence-based literature to support pediatric medication use. Not only do they verify medication orders for the patients in the three facilities, they work closely with the prescribers to complete medication reconciliation on all patients being admitted from home or from sending facilities.

Pharmacists also provide anticoagulation monitoring and dosage recommendations as well as pharmacokinetic consults. Our pharmacy team is extremely focused on patient safety, and is involved in daily compounding and dispensing of solid and liquid medications in their most ready to use form for our smallest and youngest of patients. The pharmacy team also supports the nursing staff in their safe administration of these medications by providing a comprehensive medication profile for each patient and works closely with our nurses to determine medication administration times appropriate for their patients' therapy and daily activity schedule. Discharge counseling is provided to each family to ensure the safe transition to home with regard to their medication regimen.

Our pharmacists are integral members of the patient's clinical team and are very involved with providing clinical interventions centered on Antimicrobial Stewardship, Neonatal Abstinence Syndrome, Chronic Pain Management and TPN/Nutrition related administration. We precept students from the Ernest Mario School of Pharmacy at Rutgers University every month, and are honored to have seven student technicians working in order to enhance their didactic training with on the job learning at our hospitals. At 15 individual New Jersey inpatient and outpatient locations, our pediatric specialists partner with families so that all children can reach their full potential.



Christine Tricarico,
PharmD, MBA, FACHE
Director of Pharmacy
Services



Karen Kisty, PharmD,
BCPS
Manager of Pharmacy
Services

Acute Care Service Line

Clara Maass Medical Center | RWJBarnabas HEALTH

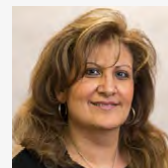
Clara Maass Medical Center is a 472-bed community medical center located in Belleville, NJ. The mission of Clara Maass is to provide exceptional services and quality to its community, through its passion for excellence and perfection. Clara Maass Centers and Services include: the Women’s Health Center, Nuclear Medicine, the Cancer Center at Clara Maass, Diagnostic Cardiac Services including Cardiac Catheterization, Emergency Angioplasty and Rehabilitation, the Pain Management Center, the Joint and Spine Institute, a Vascular Center, Same Day Surgery, the Wound Care Center at Clara Maass, the Center for Sleep Disorders, the Bariatric Surgery Center, Rehabilitation Services, Comprehensive Ophthalmology Services, Maternity Services and Parent Education, Radiology Services, Pediatrics, a state-of-the-art Emergency Department and Intensive Care unit, and community outreach programs. The CMMC Department of Pharmacy continues to support the mission of Clara Maass Medical Center and the community it serves.

The pharmacy department employs more than 60 pharmacists and technicians who provide care in the inpatient and outpatient settings by utilizing a decentralized pharmacy model. The centralized pharmacists serve as a resource to our medical and nursing staff, verify medication orders and products dispensed, oversee technician activities, and compound parenteral admixtures. Decentralized pharmacists are stationed in the medical intensive care unit, emergency department, and telemetry units. They participate in daily rounds, provide medication education, perform patient counseling, and participate in medical emergencies. Pharmacy technicians work alongside pharmacists to ensure safe preparation and delivery of sterile and non-sterile products. The department performs a variety of clinical services, including anticoagulation management, pharmacokinetic-pharmacodynamic monitoring, and antimicrobial stewardship. The pharmacy department employs clinical specialists who provide services in Critical Care, Emergency Medicine, Internal Medicine, Infectious Disease, Cardiology, and Behavioral Health. All pharmacy clinical specialists hold board certifications in their respective practice areas.

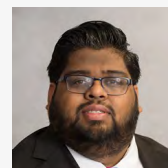
The pharmacy department supports hospital services in the areas of pediatrics, critical care, adult medicine, emergency medicine, infectious disease, cardiology, orthopedic surgery, general surgery, hospice, telemetry, and oncology. The department is involved in several interdisciplinary committees including the Pharmacy and Therapeutics Committee, Quality and Safety Council, Performance Improvement Council, Falls Committee, Pain Committee, and many others. Pharmacy works collaboratively with the transitions of care teams to better serve those with congestive heart failure, acute myocardial infarction, and chronic obstructive pulmonary disease.

CMMC Pharmacy places high emphasis on education and research. The department has numerous publications in peer-reviewed journals, and research has been presented locally, regionally, nationally, and internationally. Members of the pharmacy team hold educational sessions for nursing and medical staff. Clinical specialists continue to serve as preceptors for pharmacy students from the Ernest Mario School of Pharmacy, Fairleigh Dickinson University, and Philadelphia College of Pharmacy. The pharmacy department has maintained an ASHP accredited PGY1 residency program since 2007, which has expanded to two PGY1 resident positions.

CMMC Pharmacy department will continue to provide safe, high quality care, in an atmosphere of professionalism and respect, for the betterment of our patients and community.



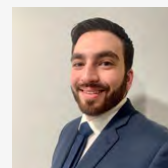
Mona Philips, RPh, MAS
Director of Pharmacy Services



Mitesh M Patel, PharmD, BCCCP
Clinical Coordinator,
Pharmacy PGY1
Residency Program
Director



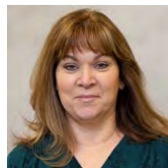
Simran Singh, PharmD, BCPS
Pharmacy Operations
Supervisor



George Romanos, MBA
IT Specialist



Lisa Freid
Pharmacy Technician
Coordinator



Barbara Sanders
Pharmacy Buyer

Acute Care Service Line

Community Medical Center | **RWJBarnabas**
HEALTH

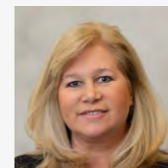
Since 1961, Community Medical Center (CMC) has provided care to the residents of Ocean County, and has grown into the largest and most active health care facility in the county. CMC is a 528 bed fully accredited medical center that is dedicated to advancing the quality of life and health of the community. Community Medical Center offer comprehensive services, including cancer care at the J. Phillip Citta Regional Cancer Center, wound care at The Center for Wound Care and Hyperbaric Medicine, neurology and neurosurgery services, cardiac care and catheterization on and off-site, surgical services, outpatient dialysis, obstetric, pediatric and out patient infusion services. Advanced care is provided at the Center for Sleep Disorders, the Center for Diabetes Education and the Women’s Imaging Center. CMC also supports a 25 bed on-site, acute rehabilitation center, a 100 bed Emergency Department and many community outreach programs.

Our team of more than pharmacists and technicians provides services 24 hours a day, 7 days a week through a hybrid-decentralized model, a surgical Pharmacy satellite and Outpatient Infusion Pharmacy complex. Clinical Generalists provide decentralized clinical services and perform centralized clinical and operational activities. Pharmacy services are provided using technology including computerized physician order entry (CPOE), barcode medication administration (BCMA), automated dispensing cabinets (ADC) and inventory carousel storage. Clinical Generalists provide clinical order and lab review, patients counseling, medication dosing and drug information, as well as dispensing and sterile compounding services. Technicians and pharmacists work together to support efficient and effective patient care.

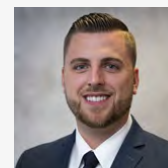
Community Medical Center has 6 Clinical Specialists who hold multiple board certifications in their respective practice areas. Specialists include 1 in Critical Care, 1 in Infectious Disease and 2 in Emergency Medicine. CMC has two Clinical Faculty from Fairleigh Dickinson University School of Pharmacy and Health Sciences, who specialize in Critical Care, Internal Medicine and Geriatrics and are members of the Pharmacy Specialist team. The Clinical Specialists participate in daily patient interdisciplinary rounds in their respective areas, provide evidence based medication recommendations, provide education to the interdisciplinary care team and participate in patient counseling. The medical center also had a Transitions of Care (TOC) Clinical Pharmacy Specialist who works closely with the TOC Nursing team to ensure accurate and appropriate medication therapy management during care transitions when patients are admitted to and discharged from CMC.

Dedication to the profession is shown through the student preceptor program with Ernest Mario School of Pharmacy at Rutgers University and Fairleigh Dickinson University School of Pharmacy and Health Sciences, as well as through our on-site pharmacy residency programs. CMC is proud to have achieved an eight-year ASHP accredited residency program for two PGY-1 Pharmacy Residents as well as an eight-year ASHP accredited PGY-2 Critical Care Pharmacy Residency program. Continuous Learning and improvement for the entire staff is a core principle of the department. Team members provide presentations at the local, state, national and international levels and routinely publish original research in peer-reviewed journals. The Pharmacy Department leads investigational studies and provides education for the nursing and medical staff. The Pharmacy Department also participates in many community outreach programs including COVID-19 Vaccination clinics, flu clinics, high school outreach programs and Habitat for Humanity.

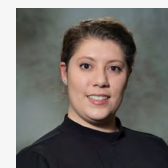
The Pharmacy Department is committed to providing safe, effective and cost-conscious service as we support the mission of our medical center in caring for the community we serve. We are equally dedicated to advancing the Pharmacy profession and elevating our team members to their fullest potential while striving to meet CMC’s and RWJBarnabas Health System’s mission, vision and values.



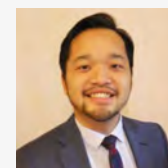
Lynne Goldstein, RPh, MBA
Director of Pharmacy Services



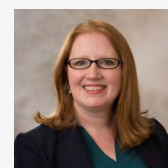
Joseph Cavanaugh, PharmD, BCPS, BCCCP
Assistant Director of Pharmacy Services



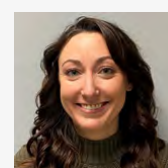
Anne Ficalora, PharmD, BCSCP
Sterile Products Supervisor



Daniel Fung, PharmD
Pharmacy Operations Supervisor



Norah Mahoney, PharmD, BCPS
Informatics Pharmacy Specialist



Kara LaFontaine, CPhT
Pharmacy Buyer

Acute Care Service Line



Serving over 33,000 inpatients, 95,000 adult and pediatric Emergency Department patients, and 349,000 outpatients annually, our mission is to provide compassionate care, health care excellence, and superior service to our patients and their families. Cooperman Barnabas Medical Center (CBMC), by virtue of business and clinical excellence, received the Mid-Atlantic Alliance for Performance Excellence (MAAPE) state level Baldrige award in 2017. CBMC also achieved Magnet status in 2018. In 2022, NJDOH awarded CBMC Gold for Antimicrobial Stewardship.

Working in conjunction with our teaching and medical staff of more than 1,700 physicians and dentists, our vision is to advance the health and quality of life in our community. We demonstrate our values of exceptional communication, outstanding teamwork, professional integrity, and accountability while serving our patients, community, and each other.

The pharmacy department consists of 115 employees and 85 FTEs providing decentralized pharmacy services. The decentralized model is supported by computerized prescriber order entry (CPOE), automated dispensing cabinets (ADC) on the units, and bed-side barcode medication administration. Decentralized clinical-staff pharmacists, in areas of perioperative, neonatal intensive care, outpatient oncology, and all other inpatient care areas, perform order verification from the area they are assigned to, provide direct patient education and also participate in multidisciplinary patient rounds. Pharmacist activities are supported by Board of Pharmacy registered pharmacy technicians, all holding additional certifications from the Pharmacy Technician Certification Board (PTCB). There are some technicians who also hold additional certification in Sterile Compounding through PTCB. In the central pharmacy, the technicians assist pharmacists by answering phones, filling labels, compounding sterile and non-sterile medications, and performing deliveries. Medication admission reconciliation technicians work in the Emergency Department and interact directly with patients, families, retail pharmacies and other health care facilities to ensure medication histories are accurate and up-to-date.

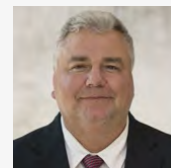
The pharmacy has eleven clinical specialists who provide additional support and serve as resources to pharmacy, nurses, physicians and patients. These clinical specialists practice in Ambulatory Care, Antimicrobial Stewardship, Critical Care, Emergency Medicine, Geriatrics, Perioperative Services and Renal Transplant, which has three focused specialists. In addition, the department has two Ernest Mario School of Pharmacy - Rutgers University Faculty, who specialize in pediatrics and cardiology. Currently, 22 pharmacists have attained one Specialty Board Certification and 10 of those pharmacists have attained two. The cardiology pharmacist runs the Rutgers Teaching and Learning certificate statewide program and recognized as a Fellow of the Heart Failure Society of America. The pediatric pharmacist has been named to the American Society of Health-System Pharmacist (ASHP) Standardize 4 Safety Advisory Pediatric Expert Panel, in addition to being the Vice Chair of the ASHP Pediatrics Section Advisory Group. Between faculty and clinical staff pharmacists, the department precepts over 70 students per year and serves as a Rutgers Knight Scholar site. In addition to the clinical specialists, the department has an ASHP-accredited pharmacy residency program with four PGY1 pharmacy practice residents and one PGY2 ASHP-accredited Geriatric pharmacy residency program with a focus on ambulatory and transitions of care.

Other hospital services supported by the pharmacy department include pediatrics, neonatal, critical care, gynecology/maternity, NJ's only certified burn intensive care unit and step down, renal transplant, emergency medicine, general medicine, cardiology, neurology, neurosurgery, orthopedic surgery, general surgery, geriatrics, wound care, cyber knife and oncology.

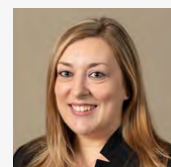
As education and research are continually in focus, in 2022 pharmacy personnel contributed 12 published journal articles, 15 local education/poster presentations to nursing, physicians and pharmacists, 6 national/state level CE presentations, 22 national/state level presentations/posters, 50 community outreach events and 4 staff members attended Global Health Outreach. Pharmacists involved in clinical research trials supported 15 open enrollment studies for MS, pediatrics, ED, COVID-19 and renal transplant and 20 for oncology.



Heather DeSanto, PharmD, BCSCP
Director of Pharmacy Services



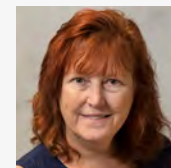
John Hoffman, PharmD
Assistant Director Pharmacy, Operations



Alison Brophy, PharmD, BCPS, BCCCP
Assistant Director, Pharmacy Clinical Services, PGY1 Residency Program Director



Olunmi Afolabi, PharmD, BCSCP
Sterile Products Supervisor



Susan Davanzo, RPh, MPA
Medication Safety Supervisor



Mindy Wilinsky, RPh
Operations Supervisor



Kimberly Parris-Rock, CPhT
Purchasing Coordinator



Linda Allen, RPh
IT systems Pharmacist

Acute Care Service Line

Jersey City Medical Center



Since 1882, Jersey City Medical Center (JCMC) has provided Hudson County with state of the art medical treatment across a broad range of disciplines and is the area's only teaching hospital. The Medical Center operates based on the pillars of Patient Safety, Patient Satisfaction, Clinical Quality and Economic Health. The Pharmacy Department supports the mission of "Enhancing Life" to the people and communities we serve. The Pharmacy Department uses a state of the art electronic clinical information system to ensure a safe medication process. The system allows for computerized prescriber order entry (CPOE), guidance from evidence-based order sets as well as bedside barcode medication administration (BCMA). Medication distribution is optimized by the use of automated dispensing cabinets throughout the institution.

The department is staffed by a total of 49 full time equivalents providing a wide range of operational and clinical services both on the inpatient and ambulatory care sides. Our pharmacy technicians are highly trained professionals who are competent to perform a wide range of technical and patient care activities including the compounding of both sterile and non-sterile products. Clinical generalist pharmacists work in the main pharmacy fielding drug information requests, reviewing laboratory data, allergies and vetting appropriateness of all medications ordered through the CPOE system while overseeing the medication distribution activities of pharmacy technicians. In October 2021, the department initiated a vancomycin dosing and monitoring consult pilot service. With a pre-approved protocol, pharmacists are independently managing patients on vancomycin IV therapy, either with AUC-based dosing or trough-based dosing based on eligibility.

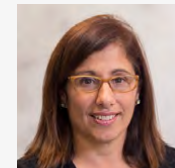
Currently over 95% of the pharmacy technicians are certified technicians while 13 pharmacists hold prestigious Board Certifications in a variety of specialty areas. Clinical specialist pharmacists are decentralized throughout the institution providing specialized pharmaceutical care at the bedside and in the outpatient settings. The presence of decentralized clinical pharmacist specialists is a great source of satisfaction to our patients in addition to the rest of the interdisciplinary team. The specialists have been instrumental in improving patient satisfaction survey scores as they pertain to communication about medications, educating patients on what their medications are for and what side effect to expect. Their daily activities are focused on patient monitoring, vancomycin service, rounding with prescribers, providing medication information to both patients and other members of the health care team. Clinical specialists are decentralized in the ICU, Emergency Department, Psychiatry, Medical-Surgical units, comprehensive HIV clinic. Clinical activities are further supported by two Rutgers faculty members and an antimicrobial stewardship pharmacist. Our specialists serve as preceptors for our ASHP Accredited PGY1 Residency Program as well as students on rotation from Ernest Mario School of Pharmacy, Rutgers University. Residents from other hospitals are also frequently hosted by JCMC preceptors. In addition to inpatient population, the pharmacy department services a number of outpatient clinics including HIV, oncology, behavioral health, women's health, dental, vision, wound care, maternal fetal health and group homes, as well as a hospital licensed satellite emergency department located in Bayonne.

The pharmacy staff consistently strives for excellence. The year 2021 saw the first full year of operation for the outpatient Oncology Ambulatory Care Center, complete with its own clean room and staffed with 2 pharmacists and 1 technician. Dedicated and specialized pharmacy staff at the infusion center has allowed active pharmacist participation in chemotherapy regimen planning, direct patient interactions to improve safety and satisfaction, financial gains with optimized waste billing and dose rounding, and clinical trial involvement. The year was also marked by the opening of a \$100 million expansion of the Emergency Department and a separate pediatric Emergency Department. Finally, throughout 2021, the Pharmacy Department has undertaken the implementation of Pyxis ES upgrade and continued the groundwork for our planned 2023 EPIC transition.



Sheryl Darville, PharmD
Information Technology
Pharmacist

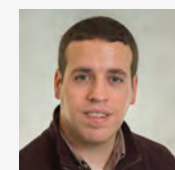
Emmanuel Severe, CPhT
Pharmacy Technician
Coordinator



Maria DeVivo, PharmD,
MPA, BCPS, BCACP
Director of Pharmacy
Services



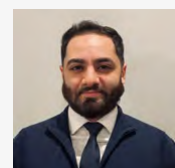
Sandy Moreau, PharmD,
BCPS
Clinical Coordinator,
PGY1 Pharmacy
Residency Program
Director



Patrick Mormino,
PharmD
Pharmacy Operations
Supervisor



Tiffany Cheng, PharmD,
BCSCP
Sterile Products
Supervisor



Muhammad Shahid,
PharmD, BCOP
Pharmacy Oncology
Supervisor

Acute Care Service Line

Monmouth Medical Center

RWJBarnabas
HEALTH

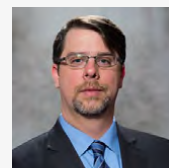
The Monmouth Medical Center Department of Pharmacy takes care of inpatients and outpatients in a decentralized practice model. MMC Pharmacy is committed to ensuring patient satisfaction and continuity of care. The outpatients cared for by the pharmacy are registered to radiology, laboratory, surgery, psychiatry, cardiology, outpatient infusion centers, and the emergency department. The hospital pharmacy takes care of a very large outpatient oncology/hematology population, servicing the Valerie Fund pediatric infusion center, the BBR4 outpatient adult infusion center, and the Vantage Point adult infusion center.

The Vantage Point infusion center is offsite, but part of the hospital, and has two dedicated pharmacists, a technician, a specialty pharmacist liaison, and a dedicated chemotherapy compounding area. The hospital pharmacy also works closely with the retail pharmacy, located in the lobby, to ensure continuity of care for patients transitioning out from the facility using the hospital's meds-to-beds program. The hospital participates in the 340B drug pricing program, the benefits of which apply to our outpatients treated by the hospital pharmacy and contracted retail pharmacies.

The inpatient pharmacy is decentralized into two medical-surgery areas of the hospital with pharmacists operating to verify orders on the units, and attending rounds and counseling patients. The decentralized model is supported by computerized prescriber order entry (CPOE), automated dispensing cabinets (ADC) on the units, and bed-side barcode medication administration (BCMA). Technicians support the decentralized pharmacists by restocking the ADCs and delivering non-stocked medications to the units from the central pharmacy. In the central pharmacy, the technicians assist pharmacists by answering phones, filling labels, compounding and picking medications, and performing deliveries. Centralized clinical pharmacists answer phones, verify orders, and oversee technician activities and IV room compounding.

The pharmacy has 5 clinical specialists who provide additional support and serve as resources to the pharmacy, nurses, physicians and patients. There are two in-house clinical specialists, emergency department, and antimicrobial stewardship. The pharmacy also has 3 inpatient Rutgers faculty, including internal medicine, critical care, and psychiatry. Another novel practice at MMC is the placement of two pharmacy technicians in the emergency department dedicated to collecting accurate medication histories for the physicians to reconcile. All pharmacy staff are expected to promote the core values of the pharmacy and document their value and contribution.

The hospital services supported by the pharmacy department include pediatrics, neonatal, gynecology/ maternity, critical care, psychiatry, general medicine, emergency medicine, neurology, neurosurgery, orthopedic surgery, general surgery, robotic surgery, geriatrics, and oncology. In addition to precepting over 40 pharmacy students per year, the pharmacy department also maintains a pharmacy residency program, which hosts two PGY1 residents.



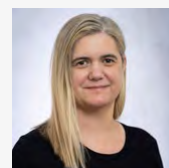
Scott Mathis, PharmD
Regional Director of
Pharmacy Services,
Monmouth Medical
Center Campuses



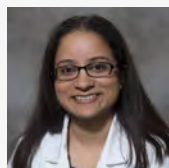
Todd Butala, PharmD
Assistant Director of
Operations



**Germin Fahim, PharmD,
BCPS**
Clinical Coordinator,
PGY1 Residency Program
Director



**Kathleen Tondo,
PharmD**
IV Supervisor



Sajani Patel, PharmD
Dayshift Supervisor

Acute Care Service Line

**Monmouth Medical Center
Southern Campus**



The Monmouth Medical Center Southern Campus Department of Pharmacy takes care of both inpatients and outpatients 24 hours per day, and is committed to ensuring patient satisfaction, patient safety, and continuity of care.

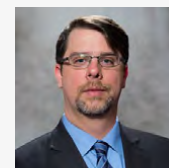
The outpatients cared for by the pharmacy department are seen in the emergency department, radiology, wound care, surgery, and outpatient infusion center. The hospital pharmacy takes care of a growing outpatient oncology/hematology population, onsite in the outpatient infusion center. The hospital participates in the 340B drug pricing program, the benefits of which apply to the population they serve.

The inpatient pharmacy is centralized near the emergency department and the operating room. In the central pharmacy, the technicians assist pharmacists by answering phones, filling labels, compounding and picking medications, and performing deliveries. Centralized clinical pharmacists verify orders, attend to drug information inquiries, monitor drug therapy, prepare medications for dispensing, perform IV room drug compounding, and oversee all technician core duties and assigned activities.

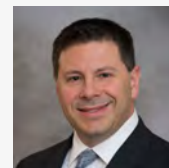
The services are structured to incorporate the pharmacist into the multidisciplinary team during rounds when possible. The model is supported by computerized prescriber order entry (CPOE), automated dispensing cabinets (ADC) on the units, and bedside barcode medication administration (BCMA). Technicians support the pharmacists by restocking the ADCs and delivering the manually prepared and non-stocked medications to the units from the central pharmacy.

The pharmacy has two clinical specialists who provide additional support and serve as resources to the pharmacy, nurses, physicians, and patients. These pharmacists provide daily clinical support in the Emergency Department, Critical Care, and antimicrobial stewardship as well as interact and counsel patients whenever there is a need. They monitor drug therapy in detail, evaluate therapy outcomes, attend patient care rounds, and assess for proper compliance with safe practices, and with practice in accordance with clinical policy. The hospital services supported by the pharmacy department include pediatrics in the emergency department, critical care, geriatrics, oncology, psychiatry, general medicine, emergency medicine, neurology, orthopedic surgery, general surgery, ophthalmologic surgery, podiatric surgery, and ear nose and throat surgery. The hospital has also added a meds-to-bed service with a pharmacy technician liaison.

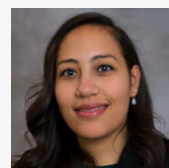
The pharmacy department is involved in numerous community outreach activities that help assist and improve drug information knowledge for the community at flu clinics, cardiac rehab brown bag events, and better health program events. The department also precepts pharmacy students each year. In addition, the clinical specialists offer rotation opportunities to pharmacy residents from other hospitals within the RWJBarnabas Health system, when applicable. All pharmacy staff is expected to promote the care values of the pharmacy department and help promote patient safety and quality care in all aspects of the profession.



Scott Mathis, PharmD
Regional Director of
Pharmacy Services,
Monmouth Medical
Center Campuses



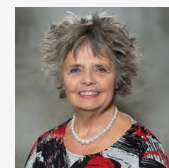
Gary Del Piano, PharmD
Director of Pharmacy
Services



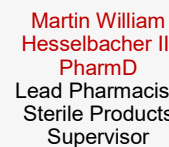
**Yasmine Elbaga,
PharmD, BCPS**
Pharmacy Clinical
Coordinator



**Leah Leszcynski,
PharmD**
Clinical Pharmacist



Margaret Kosc, RN, MHA
Pharmacy Systems
Analyst, Behavioral Health
and Monmouth Medical
Center Southern Campus



**Martin William
Hesselbacher II,
PharmD**
Lead Pharmacist,
Sterile Products
Supervisor

Acute Care Service Line

Newark Beth Israel
Medical Center



Newark Beth Israel Medical Center is a 665-bed regional care teaching hospital that provides comprehensive health care. Newark Beth Israel is a Top Teaching Hospital and home to one of the nation's top 15 heart transplant centers, which has performed more than 1,100 heart transplants; New Jersey's only Advanced Lung Disease and Transplant Program and a Valve Center that performs complex cardiac valve procedures. The hospital is also home to Children's Hospital of New Jersey (CHoNJ), which cares for children from birth through adolescence, with more than 30 specialized pediatric services including New Jersey's largest Valerie Fund Children's Center for Cancer and Blood Disorders and the Children's Heart Center. The hospital has received numerous awards that recognizes their excellence in delivering healthcare. Accolades include three consecutive World's Best Hospital by Newsweek, 6 consecutive "A" grade from The Leapfrog Group, best Maternity Hospital designation from Newsweek,

The Department of Pharmacy's mission is to provide our patients with effective pharmaceutical care in a safe, compassionate and innovative environment. Over 90 employees who consist of highly trained pharmacists, technicians, residents, and administrative pharmacy staff ensure the safe delivery of pharmaceutical services for all inpatient and outpatient age groups.

In order to support the multiple acute care services that Newark Beth provides, the pharmacy is decentralized in the pediatric, oncology, emergency, and critical care wings of the hospital, enabling pharmacists to be an immediate medication expert resource to all members of the healthcare team. In the central pharmacy, the clinical staff pharmacists verifies orders for those areas that do not have a decentralized pharmacy, answers medication related questions, and oversees the overall dispensing of medications and compounding of sterile products.

Technicians, many of which hold additional certifications, support the activities of the pharmacists in the decentralized areas and main pharmacy. Our patient discharge advocate technician provides the services of the Meds-to-Beds program. They work collaboratively with the healthcare team to ensure continuity of care by having patients' medications available to them prior to discharge. The department also manages the hospital's 340b program that generates cost savings that helps support programs such as the patient liaison technician role, which improves medication access and adherence.

The pharmacy has five clinical specialists, who provide specialized services in the areas of transplant, critical care, pediatrics, and internal medicine. They provide additional support to pharmacy, physicians, patients, and many other healthcare disciplines by participating in daily multidisciplinary rounds and providing pharmaceutical recommendations at the bedside to optimize patient care. They also support the accredited PGY1 Pharmacy Residency program by serving as preceptors and mentors.

The department provides unique and innovative educational opportunities for pharmacy students, technicians, and residents as well as other healthcare disciplines throughout the hospital and has contributed to the field of pharmacy through multiple poster presentations at local and national conferences.

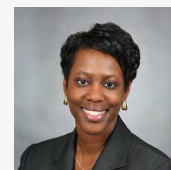
The department is an active member of the hospital's journey toward being a high reliability organization through participation on various performance improvement committees and by striving to provide the best pharmaceutical services to our patients and community through developing partnerships with patients and health care providers.



Joanna King, CPHT
Pharmacy Inventory
Control Specialist



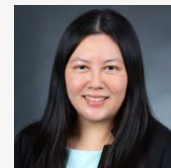
Kia Armour, CPHT
Technician Supervisor



Sandra Richardson, PharmD
Assistant Vice President
of Clinical Services



Dehali Bandyopadhyay, PharmD, MS
Assistant Director of
Operations



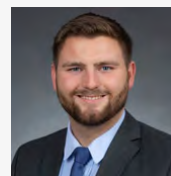
Polly Jen, PharmD, BCPS, BCIDP, AAHIVP
Assistant Director of
Clinical Services, PGY1
Residency Program
Director



Ernest Pianim, PharmD
Pharmacy Operations
Supervisor



Marcel Redhead, PharmD
Sterile Products
Supervisor



Brian Bishop, PharmD
Pharmacy Systems
Integration Analyst

Acute Care Service Line

**Robert Wood Johnson
University Hospital Hamilton** | **RWJBarnabas
HEALTH**

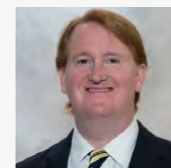
The Department of Pharmacy Services provides pharmaceutical care to the inpatients and outpatients of RWJ University Hospital at Hamilton, a 265 bed community hospital which is committed to Excellence Through Service and Quality. We exist to promote, preserve and restore the health of our community. The vision at Hamilton is to passionately pursue the health and well-being of our patients, employees and the community through our culture of exceptional service and commitment to quality. The department supports all services within the hospital which includes inpatient, surgical, emergency and radiology services. We also care for our oncology patients in a robust outpatient hematology/oncology center located on campus. The pharmacy department also provides a pharmacist run outpatient anticoagulation clinic staffed by an anticoagulation certified pharmacist.

Pharmacy is highly integrated into the hospital patient safety system with the utilization of a common health information system shared among our inpatient department promoting intradepartmental information exchange. Pharmacy also utilizes a hospital wide automated medication distribution through a highly controlled network of automated dispensing cabinets in the inpatient, emergency, radiology and surgical suite areas. Our clinical information system supports the medication safety process from the creation of the medication order by utilization computer prescribed order entry (CPOE) with clinical alerts and algorithms, review and verification of medication orders by a pharmacist, through the use of Bar Code Medication Administration (BCMA) at the patients' bedside. The clinical information system also supports safe medication use at RWJ Hamilton by providing in real time current patient medication regimens, current patient labs, allergies, significant patient demographics along with screening for drug-drug interactions, dose range checking and compatibility checks.

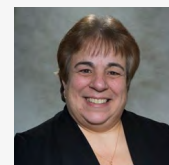
Through a staff of 50 highly trained pharmacists and technicians, the department provides a hybrid decentralized/centralized staff model. We continue our clinical staff developed training model where criteria based competency with a Critical Care Pharmacist designation within the facility. These pharmacists work with our ICU intensivists under to provide prospective medication reviews and clinical services. We were able to expand this team from four pharmacists to eight pharmacist to allow for expanded services to the ICU and enhanced staff development. Cross-training in the pharmacy department has expanded and been a major focus of 2022, particularly with the cancer center and anticoagulation clinic. Through strong efforts, our staff in collaboration with other RWJ Hamilton staff helped achieve another A as our Leapfrog rating in 2022. Our staff are decentralized in the ICU, telemetry and medical/surgical units in order to provide medication therapy review and management utilizing a pharmacy surveillance system that monitors for over 190 medication related issues in real time. This, in collaboration with all members of the healthcare team, patients and their care givers, provide quality, evidence-based, cost effective care to help achieve our mission and vision.

Our Antimicrobial Stewardship Taskforce is a successful example of pharmacy's impact on overall outcomes. Not only has the team improved utilization and outcome indicators, but have also reduced dollars spent on antimicrobials in 2022, illustrating that quality care can be achieved with savings. We achieved a Bronze Award from NJHA for our Antimicrobial Stewardship taskforce. Besides the outpatient anticoagulation service that is offered, Medical Staff approved protocols are used by inpatient pharmacists to manage anticoagulation therapy and vancomycin initial dosing. Our pharmacists are also members of and respond to all Rapid Response Team and Medical Team alerts. Pharmacy is also active in patient education. We provide medication related sessions in orthopedic, antibiotic use education and various community education events and fairs. Pharmacy staff has also taken the lead in the formulation of an opiate Stewardship Taskforce to better measure, assess and determine improvements in opiate use to maximize benefit to our patients while reducing the risks that are associated with opiate use.

In keeping with our commitment to our own profession, our staff precepted 19 pharmacy and pharmacy technician students this year, mostly from the Ernest Mario School of Pharmacy. Our staff prides itself on helping develop highly qualified practitioners and giving back to our own profession and community. We maintained our Knight Scholar program with our affiliation with Ernest Mario School of Pharmacy where we take students for a period of four clinical rotations where they are exposed to clinical, administrative and leadership which enhances the overall experience for them and their development.



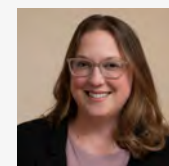
**Jonathan Margolin, MHA,
RPh, ACHE**
Director of Pharmacy
Services



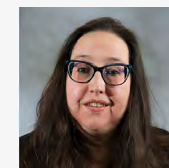
**Suzanne Caravella,
PharmD, BCPS, RPh**
Clinical Coordinator



David Appel PharmD
Pharmacy Operations
Manager



Kristy Fursa, CPhT
Pharmacy Technician
Supervisor



Kathy Stocker, CPhT
Pharmacy Buyer

Acute Care Service Line

**Robert Wood Johnson
University Hospital
New Brunswick**



Robert Wood Johnson University Hospital at New Brunswick is a 620-bed academic medical center whose Centers of Excellence include cardiovascular care from minimally invasive heart surgery to transplantation, cancer care, stroke care, neuroscience, joint replacement, and women's and children's care including The Bristol-Myers Squibb Children's Hospital (BMSCH). The hospital treats over 30,000 inpatients and has over 70,000 Emergency Room visits annually. As the flagship Cancer Hospital of Rutgers Cancer Institute of New Jersey and the principal teaching hospital of Rutgers Robert Wood Johnson Medical School in New Brunswick, RWJUH-NB is an innovative leader in advancing state-of-the-art care. A Level 1 Trauma Center and the first Pediatric Trauma Center in the state, RWJUH's New Brunswick campus serves as a national resource in its ground-breaking approaches to emergency preparedness.

The Pharmacy Department provides decentralized services 24 hours a day, 7 days a week by a staff of approximately 160 employees including Pharmacists and Technicians. Specialized pharmaceutical services are provided throughout the hospital with the role of pharmacy in patient care being widely accepted. At RWJUH-NB, the pharmacists serve as active participants in the interdisciplinary healthcare team, participate in all adult and pediatric codes, and are active members on various hospital safety and quality committees. Our Technicians are certified by the Pharmacy Technician Certification Board (PTCB) and are integral members of the pharmacy team. They provide essential support to pharmacists by compounding sterile and non-sterile medications, filling medication orders, optimizing and filling automated dispensing cabinets (ADCs), ensuring medications are barcoded and delivering to patient care areas.

Technology is widely integrated into the Pharmacy Department and includes integration of a hospital-wide Computer Physician Order Entry (CPOE) with disease-specific order sets and safety features such as dose-range checking and maximum allowable doses. ADCs in nursing units, operating rooms, procedural areas and emergency areas are the basis of the unit-based distribution technology employed at RWJUH New Brunswick. The Pharmacy also has an inventory control system utilizing carousel technology and uses internal barcode scanning for accuracy of loading and dispensing from the system. Knowledge-based barcode administration and an electronic intervention reporting system round out the department's technology.

The Department is supported by a Pediatric Clinical Specialist, two Transplant Pharmacists, an Oncology Clinical Specialist, and five Ernest Mario School of Pharmacy Rutgers University Shared Faculty, who specialize in Critical Care, Drug Information, Emergency Medicine, Infectious Diseases and Internal Medicine. These individuals along with Pharmacy staff support precepting and mentoring two PGY1 Residents, two PGY2 ER Residents, and two PGY2 Drug Information Residents and over 80 students per year. Finally, RWJUH New Brunswick is the primary site for the Health Scholars Institute program of New Brunswick, with many high school students taking an avid career interest as either a Pharmacy Technician or Pharmacist.

Pharmacy Department Mission:

It is the goal of the Hospital Pharmacy Department to provide high quality, comprehensive pharmaceutical services in the area of patient care and to provide recognized, meaningful research and education to Robert Wood Johnson University Hospital at New Brunswick and the community which it serves. It is the philosophy of the Department not only to function at the highest level of acceptable practice, but to be committed to innovation and development within that practice and to serve as a role model for Institutional Pharmacy Practice.

A dedicated staff and effective management, at all administrative levels, are necessary for the achievement of our goals. This requires planning, budgeting, communication and the development and administration of sound, progressive and equitable personnel policies. The Department will strive to recruit and retain highly qualified and competent staff and is also committed to facilitating professional growth within the department.



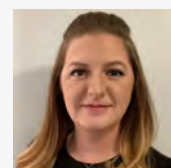
Jodie Skayhan, PharmD
Administrative Director,
Pharmacy



**Sharon Mindel, PharmD,
MBA**
Assistant Clinical Director
of Pharmacy, PGY1
Residency Program
Director



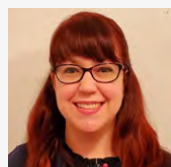
James Barna, PharmD
Operations Manager



**Candice Lawrence,
CPhT**
Supervisor/Lead
Technician



**Moises Junchaya,
PharmD**
Pharmacy Systems
Administrator



Melissa Thornhill, CPhT
Sterile Products
Supervisor

Acute Care Service Line

**Robert Wood Johnson
University Hospital Rahway**



The Department of Pharmacy Services provides pharmaceutical care to the inpatients and outpatients of RWJ University Hospital Rahway (RWJUHR). The mission at RWJUHR is to deliver safe, quality, cost effective healthcare services, providing access and value to the community through a unified effort that meets individual needs with dignity and respect.

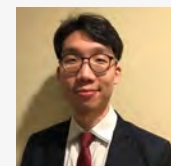
Through a staff of 28 highly trained pharmacists and technicians the department provides a hybrid decentralized/ centralized staff model 24 hours a day, 7 days a week. Decentralized pharmacists allow the department to have increased direct patient contact time to help achieve hospital goals of improving clinical outcomes and measures along with increasing our patient satisfaction scores. Our department provides optimum pharmaceutical services through collaboration with all members of the healthcare team, patients and their caregivers in a cost-effective, evidenced-based manner with the goal of improving patient outcomes.

The decentralized model is supported by computerized prescriber order entry (CPOE), automated dispensing cabinets (ADC) on the units, and bed-side barcode medication administration. Pharmacist activities are supported by pharmacy technicians, holding additional certifications from institutions such as the Pharmacy Technician Certification Board. The department has one clinical pharmacy specialist in infectious diseases area overseeing our Antimicrobial Stewardship Program and one assistant director of clinical pharmacy, who participates in daily multidisciplinary ICU patient care rounds, in addition to being an integral part of the various committees and actively precepting students.

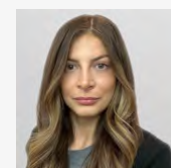
Our pharmacy team, in collaboration with the rest of the hospital, help drive the institution's efforts to meet Joint Commission/Leapfrog and CDC requirements while ensuring optimal care for patients. In 2022, RWJUH Rahway received a three-year re-accreditation by The Joint Commission, a Leapfrog grade A, and NJ DOH Antimicrobial Stewardship Silver Award.



**Irina Polotskiy,
PharmD, BCPS**
Director of Pharmacy
Services



**Hwan "Mike" Namkung,
PharmD**
Assistant Director of
Pharmacy Operations



**Carolyn Lucchese,
PharmD, BCPS**
Assistant Director of
Clinical Pharmacy



**Eliana Solis, CPhT,
CSPT**
Pharmacy Purchasing
Coordinator/ Pyxis
Administrator

Acute Care Service Line

**Robert Wood Johnson
University Hospital Somerset**



Robert Wood Johnson University Hospital (RWJUH) Somerset, an RWJBarnabas Health facility, is a nationally accredited, 341-bed regional hospital providing comprehensive emergency, medical/surgical, behavioral health and rehabilitative services to central New Jersey residents. As a designated teaching hospital of Rutgers Robert Wood Johnson Medical School, the hospital maintains a family medicine residency program with 21 residents and an ASHP accredited PGY1 pharmacy residency program with two PGY1 resident positions.

RWJUH Somerset has earned significant national recognition for clinical quality and patient safety including the Magnet® Award for Nursing Excellence and designation as a “Top Teaching Hospital” by the Leapfrog Group. As the first hospital in New Jersey to offer primary health care services for the LGBTQIA+ community, RWJUH Somerset has been honored as a Leader in LGBT Healthcare Equality by the Human Rights Campaign. The hospital is also distinguished for its Joint Surgery Institute, and is designated as a Primary Stroke Center by the Joint Commission and the New Jersey Department of Health and Senior Services.

The Steeplechase Cancer Center at RWJUH Somerset has been designated as a Comprehensive Community Cancer Center by the American College of Surgeons' Commission on Cancer. RWJBarnabas Health and RWJUH Somerset in partnership with Rutgers Cancer Institute of New Jersey - the state's only NCI-designated Comprehensive Cancer Center - bring an internationally recognized team of researchers and specialists, providing close-to-home access to the latest treatment and clinical trials. The Cancer Center has recently seen significant program growth with expansion into a second infusion suite. It is supported by two chemotherapy pharmacy specialists.

The Department of Pharmacy provides pharmaceutical services 24 hours a day, 7 days a week. Overall, there are approximately 38 FTEs including managers, pharmacists, residents, technicians and support staff. All pharmacy technicians are certified by the Pharmacy Technician Certification Board (PTCB) and assist pharmacists in filling orders, medication delivery, and sterile and non-sterile product compounding. Medication reconciliation technicians work in the Emergency Department and interact with patients, families, and retail pharmacies to ensure an accurate medication history is obtained. Clinical services are provided in various areas including, but not limited to internal medicine, critical care, emergency medicine and other specialty areas (e.g. geriatrics, infectious diseases, oncology and investigational drugs).

Medication is dispensed via a point of care decentralized distribution model supported by automated dispensing cabinets (ADC) with the latest technology on patient care units that provide nurses ready access to medications. Parenteral products are prepared in a clean room suite fully compliant to United States Pharmacopeia (USP) 797 and 800 regulations. With a dedicated staff of employees, modern facilities, a strong commitment to medication safety and performance improvement, a focus on customer service, and a role in educating future health-care professionals, the Department of Pharmacy at RWJ University Hospital Somerset is devoted to delivering operational and clinical excellence, while advancing care and maintaining financial and operational growth.

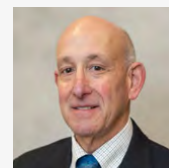
The hospital uses EPIC, a state-of-the art electronic health record system with enhanced communication amongst providers and improved delivery of care. To ensure safe medication use, the system allows for computerized prescriber order entry (CPOE), guidance from evidence-based order sets, an electronic medication administration record (e-MAR) and bedside bar-code medication administration (BCMA).

Our pharmacists are actively involved in therapeutic management. Our policies, guidelines, programs and services ensure that patients receive evidence based appropriate pharmaceutical care as measured against accepted standards. Several clinical programs and protocols have been developed at RWJUH Somerset by the Department of Pharmacy, which include but are not limited to drug dosing protocols, the Antimicrobial Stewardship Program (i.e., pharmacy run vancomycin pharmacokinetic service, antimicrobial rounds), and clinical monitoring programs (i.e., anticoagulation monitoring program). We recently received the Gold Award for 2022 from the New Jersey Department of Health's Antimicrobial Stewardship Recognition Program.

Our critical care pharmacist works with our Intensivists to optimize medication therapy in the critical care patient population. Three Rutgers faculty, who are residency trained and board certified support the clinical pharmacy program. They provide a significant contribution and serve as resources to family medicine, critical care, and the emergency department.

Individuals from the Department of Pharmacy are involved in numerous research activities, frequently publish and present scholarly work, and provide external educational programs on a national, state and local level. Pharmacists provide drug information and education to medical and nursing staff as well as patients, caregivers, and other members of the health care team to promote the safe, effective, efficient, and patient-centered use of medication therapy. In 2021, we became the practice site for a Rutgers University clinical pharmacology fellow whose research involves the impact of discharge medication reconciliation on patients at high risk for medication related iatrogenesis and re-admission.

RWJUH Somerset Department of Pharmacy is affiliated with Ernest Mario School of Pharmacy at Rutgers University, precepting more than 50 students per year and serving as a Knight Scholar site. The Department has established training and continuing education programs to foster the professional development of staff and students.



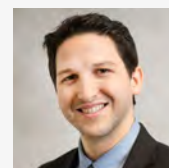
Stuart Vigdor,
BS Pharm, RPh
Director of Pharmacy
Services



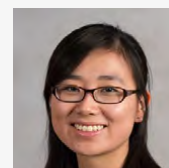
Nancy Doherty, MS, RPh
Clinical Coordinator,
Medication Safety Officer,
PGY1 Residency Program
Director



Matthew Levanda, MBA,
RPh, BCSCP
Sterile Products
Supervisor



Matthew Young,
PharmD, BCPS
Pharmacy Operations
Manager



Stephanie Wei,
PharmD, BCPS
Pharmacy Systems
Administrator

Acute Care Service Line



Trinitas Regional Medical Center (TRMC) is the latest facility to join RWJBarnabas on 1/1/2022. TRMC was established in 2000 following the consolidation of Elizabeth General Medical Center and St. Elizabeth Hospital. It is a Catholic teaching hospital with oversight provided by the Sisters of Charity of St. Elizabeth. Trinitas is the only hospital in Elizabeth, a densely populated low-income urban immigrant city with a population of over 129,000. Operating on two major campuses, Trinitas has 554 beds, including a 120 bed long-term care center and a 98 bed Behavioral Health and Psychiatric facility. Annually, we treat nearly 20,000 inpatients and see over 450,000 outpatient visits. At Trinitas, we dedicate ourselves to God's healing mission. We strive to provide excellent, compassionate healthcare to the people and communities we serve, including those among us who are poor and vulnerable. As one of the state's top Charity Care provider, TRMC is focused on helping the working poor and impoverished people of the Greater Elizabeth Region and Union County. As such we are a 340B hospital and all staff work hard to manage this program and provide oversight for compliance.

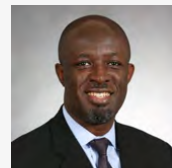
The pharmacy department at Trinitas has a total staff of 45 employees. Our electronic clinical information system utilizes computerized physician order entry as well as bedside medication barcode scanning during medication administration. This system contributes to safe medication administration and allows pharmacists to run drug-drug, food-drug and disease state interactions to help them make accurate clinical decisions during drug dispensing. Our technicians manage drug inventory using automatic dispensing machines throughout the hospital as well as in outpatient clinics. In addition, our Lead Pharmacist helps our department maintain high standards in sterile preparation while our Lead Technician focuses on evaluating metrics for Pyxis optimization.

Trinitas boast of very strong and knowledgeable pharmacy technicians, with 98% of them receiving their PTCB certification. Technicians work closely with the pharmacists to ensure safe medication practices. Whether it's preparing complex extemporaneous eye surgery preparations or playing an instrumental role in managing the hospital's outpatient clinics, our technicians are an integral part of the Trinitas pharmacy team. In addition to medication verification and dispensing, our staff pharmacists perform clinical monitoring activities such as remote ICU rounding, IV to PO conversions, adverse drug reaction reports, medication variance reporting and antimicrobial stewardship activities. In fact the Antimicrobial Stewardship Program is well established with a multidisciplinary team who achieved the Silver Recognition Award for NJ DOH Antimicrobial Stewardship Recognition Program. Pharmacists serve as a drug information resource, working closely with our multidisciplinary team to ensure high level care and assisting in the medication management of chronic disease states. Our vigilant narcotic audit process, which is spearheaded by pharmacy department, has helped to reduce any possibility of diversion. Pharmacists work diligently to provide excellent pharmaceutical services to our patients and perform over 1,000 interventions per month on average. Trinitas acute care pharmacy also provide services to three outpatient dialysis centers, one mixed dialysis unit, and serve as the main pharmacy for our off-site general psychiatric hospital at the New Point campus. Pharmacy department at Trinitas prepares an estimated 3500 epoetin alpha doses per month together with all other dialysis related medications needed to effectively care for the patients at these centers. In addition, all psychiatric orders and medication therapy management for New Point campus are prepared and dispensed from the acute care pharmacy on Williamson Street. Our psychiatric drug replacement program, which is managed in collaboration with staff at our New Point Campus, aims at increasing medication adherence post discharge and reducing recidivism. Our oncology pharmacy satellite is situated and fully integrated into our state of the art oncology center, which is a center of excellence as a Community Cancer Program. Pharmacists at this satellite work collaboratively with our oncologists, using the most up to date drug information systems and clinical tools, to formulate the most appropriate course of therapy for each of our cancer patients. Our oncology program now has the additional advantage of networking with the system, in particular with the Cancer Institute of New Jersey.

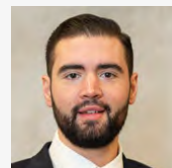
Pharmacy at Trinitas is always striving for excellence. The Management teams participates in many collaborative efforts including our Stroke Program, which has TJC Primary Stroke Certification and our Joint Program, which is TJC Certified. Future plans for our department include increasing pharmacist presence on the floors, expanding our clinical monitoring activities and continuing to bridge the gap between pharmacy and other disciplines. We remain committed to our pledge of a High Reliability Organization and are continuously improving in effort to facilitate excellent patient care.



**Sharon Greasheimer, MPA,
PharmD, RPh**
Director of Pharmacy



**Kwakye Acheampong,
PharmD, BCPS**
Assistant Director
of Pharmacy Operations



**Alexander Clark, PharmD,
BCPS**
Assistant Director of
Pharmacy Clinical Services



Randolph Sturgill, PharmD
Chief Oncology Pharmacist,
Pharmacist In Charge,
Trinitas Comprehensive
Cancer Center



**Dana Mikiewicz,
PharmD**
Lead Pharmacist



Myriam Canuto, CPhT
Pharmacy Purchasing Agent



Joceline Perez, CPhT
Lead Technician

Integrated Service Line



Purpose Statement

It is the mission of the Ambulatory Care Division to provide integrated health-care services by pharmacists who are accountable for addressing medication needs, developing sustained partnerships with patients and practicing in the context of family and community. This is accomplished through direct patient care, patient advocacy, wellness and health promotion, education and medication management for ambulatory patients.

Who We Are

The Ambulatory Care Division is led by a team of clinical specialists, Fairleigh Dickinson University, and Rutgers University faculty with expertise in assisting in the delivery of primary care, population health management, patient education and patient advocacy.

How We Accomplish Our Mission

- Placing a priority on direct patient care and meaningful interventions to improve the well-being of the patients
- Having an established presence within several physician office practices. In this setting, we are available to develop relationships with patients and providers in order to establish successful practice based initiatives.
- Aiding in medication reconciliation and drug optimization in order to improve patient outcomes and adherence.
- Utilizing resources such as pharmacy residents and students to foster a learning environment and broaden the reach of the division.
- Tracking interventions, monitoring progress of patients and initiatives, reporting successes and learning opportunities with other providers to improve the health of the patients we serve.
- Tailoring pharmacy services to meet value-based payment models.
- Developing collaborative drug therapy management (CDTM) agreements with providers to increase efficiencies of team-based care.
- Coordinating efforts on community outreach and Global health initiatives, Emergency Management and Disaster Relief efforts.

Duties/Responsibilities

The Ambulatory Care Division works closely with healthcare providers, residents, students, and medical staff to:

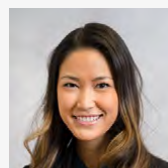
- Create Centers of Excellence for ambulatory pharmacy training
- Perform comprehensive medication reviews to assess the appropriateness of medications, check for drug-drug interactions, and identify and resolve any adverse drug reactions
- Formulate patient specific medication related treatment and monitoring plans
- Evaluate and titrate patients' medications after close monitoring of patients' response to therapy pertaining to safety and efficacy
- Assist in the medication acquisition process, helping patients obtain needed medications at an affordable cost
- Deliver accurate, comprehensive, disease specific and/or patient specific drug information to patients, caregivers, and health care providers involved in the care of the patient
- Perform research and utilize findings to optimize patient care and outcomes
- Provide an environment to train future ambulatory care providers
- Connect with the larger community by participating in wellness activities across the region



Jessica Bente-Miller, PharmD, BCPS, BCGP
Clinical Specialist, Geriatrics, PGY2 Geriatrics Residency Program Director, Cooperman Barnabas Medical Center



Christine Dimaculangan, PharmD, BCACP
Ambulatory Care Clinical Specialist, Jersey City Medical Center, Clinical Assistant Professor, Ernest Mario School of Pharmacy



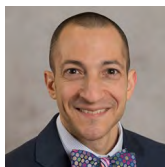
Alyssa Gallipani, PharmD, BCACP
Ambulatory Care Clinical Specialist, Corporate Pharmacy PGY2 Ambulatory Care Residency Program Director, Clinical Assistant Professor, FDU



Rahul Jacob, PharmD, BCACP
Ambulatory Care Clinical Specialist, RWJBarnabas - Rutgers Medical Group



Lalitha Sukumar, PharmD
Ambulatory Care Clinical Specialist, RWJBarnabas - Rutgers Medical Group



Lucio Volino, PharmD
Clinical Pharmacist Retail Network and Clinical Associate Professor, Ernest Mario School of Pharmacy, Rutgers University

Shivam Vyas, PharmD
PGY2 Ambulatory Care Resident



Ammie Patel, PharmD, BCACP
Ambulatory Care Specialist, Corporate Pharmacy, Clinical Assistant Professor, Ernest Mario School of Pharmacy

Integrated Service Line

Corporate Pharmacy Division

Purpose Statement

The purpose of the Corporate Pharmacy Division is to provide leadership and direction for the strategic, operational, clinical, research, financial, marketing and administrative functions associated with pharmacy services across the enterprise.

Mission Statement

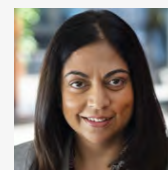
To design and implement strategies to harmonize current and future Pharmacy services for optimal value, quality, efficiency, safety and effectiveness across the Pharmacy Enterprise.

Who We Are

The Corporate Pharmacy Division is a team of individuals with expertise in pharmacy: administration, clinical practice, value based purchasing, the 340B federal pricing program, system integration, clinical decision support, ambulatory practice, cost controls, revenue optimization, strategic planning and data analytics. The team is led by the health system's Chief Pharmacy Officer. The team consists of an Assistant Vice President of Pharmacy Operations, Assistant Vice President of Clinical Pharmacy Services, Assistant Vice President of Integrated Pharmacy Services, Director of Pharmacy Systems Integration, 340B Drug Price Program Director and two analyst and audit specialists, Systems Integration Pharmacist, Senior Pharmacy Reimbursement Specialist, Pharmacy Billing, Denials, and Appeals Specialist and Clinical Financial Analyst.

How We Accomplish Our Mission

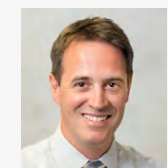
- 340B Program Oversight
- Centralized value based purchasing
- Clinical Decision Support
- Enterprise-wide strategic planning
- Enterprise-wide analytic reports
- Formulary and protocol standardization
- Medication supply chain stabilization
- Multiple advocacy platforms
- Pharmaceutical industry conduit
- Revenue optimization
- Systems integration



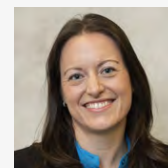
Indu Lew, PharmD
Chief of Staff



Robert Pellechio, RPh, MPA
Senior Vice President and Chief Pharmacy Officer



Doug DeStefano, PharmD
Corporate Assistant Vice President of Pharmacy Operations



Jennifer Sternbach, PharmD, BCPS, BCACP
Corporate Assistant Vice President of Clinical Pharmacy Services



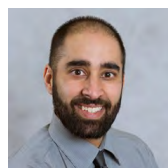
Jessica Koerner, PharmD, BCPS, BCACP, FASHP
Corporate Assistant Vice President of Integrated Pharmacy Services



Ellen Secaras, MBA, RPh
Corporate Director of Pharmacy Systems Integration



Bryan McCormick, CPhT, MBA
Corporate Director 340B Program



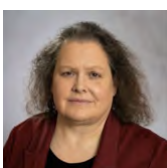
Kabeer Mago, PharmD, RPh
Systems Integration Pharmacist



Angelina Bayruns, CPhT
340B Analyst



Tammy Kupper, CPhT
340B Analyst



Anne Hameed, CPhT, CSPT
Pharmacy Billing, Denials & Appeals Specialist



Berna Sweeney, CPhT
Senior Pharmacy Reimbursement Specialist



Rahul Nakrani, MBA, MS
Clinical Financial Analyst

Integrated Service Line



The 340B Program requires pharmaceutical manufacturers to extend upfront discounts on covered outpatient medications purchased by federally registered covered entities. Congress passed the 340B Program as part of the Veterans Health Care Act in November of 1992. The program's intent was to aid safety-net providers whom serve the nation's most vulnerable patient populations in "stretching scarce federal resources as far as possible, reaching more eligible patients and providing more comprehensive services." Pharmaceutical discounts extended to covered entities range anywhere from 15 to 60 percent. RWJBarnabas Health (RWJBH) has been able to transform these savings into increased access to care and medication for eligible patients in underserved communities with the greatest need.

The RWJBH 340B Program began with a single hospital over 10 years ago. The health system has since expanded into seven disproportionate share hospitals (DSH) and one hemophilia treatment center registered with the Health Resources and Services Administration (HRSA) as 340B covered entities. Each covered entity has Contracted Pharmacy agreements with a local retail network, including RWJBH retail and specialty pharmacies. These arrangements further increase access to affordable medication for our eligible patients.

The RWJBH pharmacy enterprise has a central role in the initiation, operations, compliance and auditing of this complex program. This requires a coordinated effort between local facilities and the corporate pharmacy 340B team with the support of our 340B software vendor. The 340B team ensures RWJBH covered entities provide all required data to essential external vendors and routinely conduct data integrity reviews to maintain accuracy and compliance.

RWJBH facilities participating in the 340B Program are subject to audit by drug manufacturers, HRSA, and internal audit from the Corporate 340B Division. Failure to comply with 340B Program requirements could result in refund of discounts back to a manufacturer(s) or potential expulsion from the program.

During 2022 the Corporate Pharmacy 340B Team integrated the health system's newest hospital, Trinitas Regional Medical Center, into the system's 340B operations and Buyers Collaborative. Over 3,000 pharmaceutical invoices and nearly 700 patient dispensations were reviewed system wide through internal auditing. Additionally, approximately 7,000 suspected 340B eligible claims were reviewed for program compliance and acceptance. RWJBH covered entities received \$3.4 million in contract pharmacy revenue due to manual ordering processes facilitated by the 340B Team. The team's efforts, executed with limited resources, helped to ensure compliant 340B Program utilization. Through continuous evaluation of 340B Program operations, the team has continued to increase efficiencies and maximize program benefits for the RWJBarnabas Health System.



Doug DeStefano, PharmD
Corporate Assistant Vice President of Pharmacy Operations



Bryan McCormick, CPhT, MBA
Corporate Director 340B Program, Corporate Pharmacy



Angelina Bayruns, CPhT
340B Analyst, Corporate Pharmacy



Tammy Kupper, CPhT
340B Analyst, Corporate Pharmacy

Integrated Service Line



Purpose Statement

The purpose of the Pharmacy Reimbursement Division (PRD) is to enhance internal stakeholders' pharmacy billing and financial acumen and help optimize the reimbursement for our medications used within our healthcare system affiliates.

Mission Statement

The mission of the division is to assist the health system in maintaining its fiscal responsibility by improving the recovery of medication revenue and identifying cost savings opportunities within the Pharmacy Enterprise.

Who We Are

The PRD consists of a team of individuals with expertise in medication billing and reimbursement. The team is led by a Corporate Director of Pharmacy Systems Integration and supported by a Senior Pharmacy Reimbursement Specialist. All team members have a background as a pharmacist, certified pharmacy technician.

How We Accomplish Our Mission

Our team accomplishes our objectives by continuously collaborating with our internal and external customers comprised of various interdisciplinary departments (pharmacy departments, billing, patient accounting, revenue cycle IT, revenue integrity, finance, managed care and enterprise clinical information systems) and third-party vendors to resourcefully seek innovative pharmacy revenue/cost savings opportunities. We proactively reconcile charges and review Federal, State and Commercial billing regulations while decreasing insurer denials.

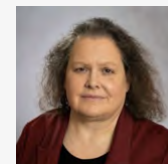
Duties/Responsibilities

The PRD operates under the Corporate Pharmacy department. Duties and responsibilities are established to meet the need of our internal and external customers and to support the division's purpose and mission as well as system-wide strategies.

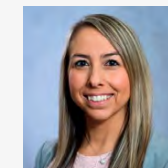
- Reviews, identifies, and helps affiliates remedy aberrant medication charges
- Performs audits post go-live, either operational or clinical in nature, to ensure that expected outcomes are met and help mitigate unintended consequences
- Responds to pharmacy billing inquiries in a timely manner and offers guidance regarding insurance reimbursement
- Educates affiliates on accurate billing and charge reconciliation to avoid denials and claim resubmissions
- Develops process improvement initiatives to reduce billing inefficiencies or inaccuracies
- Implementation and Corporate oversight for drug replacement, copay and foundation assistance programs



Ellen Secaras, MBA, RPh
Corporate Director of Pharmacy Systems Integration, Corporate Pharmacy



Anne Hameed, CPhT, CSPT
Pharmacy Billing, Denials & Appeals Specialist, Corporate Pharmacy



Berna Sweeney, CPhT
Senior Pharmacy Reimbursement Specialist, Corporate Pharmacy

Integrated Service Line



Home Infusion
A Division of the

Pharmacy Enterprise | RWJBarnabas HEALTH

Qualitas Home Infusion is a wholly owned pharmacy and nursing service company of RWJBarnabas Health. It is accredited by The Joint Commission and URAC delivering medications, nutritional support, infusion pumps and supplies as well as comprehensive education and infusion therapy management to patients in need of home infusion therapy. Home infusion therapy offers a convenient, cost-effective alternative to lengthy hospital stays or frequent outpatient infusion visits. It enables our patients to remain active and independent as they receive therapy in the comfort of their own homes on a schedule that works for them. The expert team of specially trained clinical pharmacists and verified IV registered nurses deliver the highest level of care, with comprehensive, innovative and progressive treatment plans for patients of all ages. Qualitas has board certified pharmacists for sterile compounding on staff.

Service Include:

- Comprehensive assessments and educational materials with individualized patient and caregiver training
- Highly skilled pharmacists coordinate care with physicians to determine appropriate TPN formulas, drug dosages and can customize sterile compounds in our state-of-the-art clean room for the safest, most precise treatment regimens
- Therapies that are coordinated by the pharmacy staff are: total parenteral nutrition, antibiotic, antifungal, antivirals, chemotherapy, pain management, hydration, inotropic therapy, antiemetic and enteral therapy
- Free, dependable same day delivery of medication and supplies to the patients' home, office or other designated location, with inventory monitoring to ensure ample supplies
- Reimbursement specialists handle all insurance verifications, authorizations, claims and billing
- Office hours Monday through Friday from 8:30AM to 5:00PM
- 24-Hour On Call Nurse and Pharmacist for any issues
- Bilingual staff and on-call translators to help to ensure that our non-English speaking patients fully understand their therapy regimens

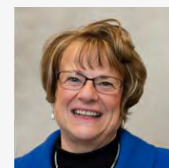
Therapies Provided:

- Anti-Infectives
- TPN
- Chemotherapy
- Inotropes
- Hydration
- Pain
- Biologics
- Chelation

Therapies Nursing Care Provided:

Caring, knowledgeable staff of IV, PICC certified, CRNI and Oncology certified nurses have years of experience in all aspects and genres of home infusion care. Our nursing staff works with patients to help them comfortably transition from hospital to home infusion administration delivering one-on-one, customized patient education and hands-on training. Regular home visits to monitor patient progress throughout their therapy, and provide ongoing clinical care, assessment and maintenance of intravenous sites and equipment

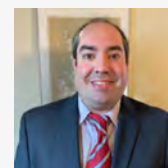
- Medtronic Pump Refills and Reprogramming
- Central Line Care
- Peripheral Catheter Care
- Port-A-Cath Care
- IM and SubQ Injections
- Midline Insertion



Suzanne Sesta, RPh, BCSCP
Vice President of Qualitas Pharmacy Services



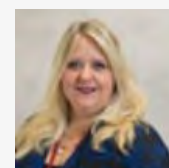
Anita McNeill, RPh, BCSCP
Director of Pharmacy, Qualitas Pharmacy Services



Francisco Vila, PharmD, CSP
Director of Qualitas Pharmacy Services



Fernando Oliveira, BA Biology
System Director of Pharmaceutical Procurement, Qualitas Pharmacy Services



Mary Pulidore, BSN, RN
Director of Nursing, Qualitas Pharmacy Services



Home Infusion
A Division of the

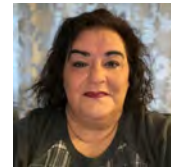
Pharmacy Enterprise | **RWJBarnabas**
HEALTH



Lisbeth Ruiz
Reimbursement Manager,
Qualitas Pharmacy Services



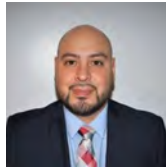
Bonnie Boyle
Intake Supervisor,
Qualitas Pharmacy
Services



Mary DiGeso, BSN, RN
Nursing Supervisor



**Nakia Kandas, R.Ph,
BCSCP**
IV Supervisor, Qualitas
Pharmacy Services



Michael Malaga
Supervisor, Qualitas
Pharmacy Services



Jolly Shah
Clinical Technician
Supervisor

Integrated Service Line

**Pharmacy Enterprise
Mail Order Division**



LSC Mail Order Pharmacy

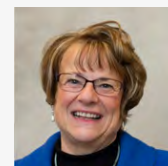
The Mail Order Division is a wholly-owned pharmacy services company of RWJBarnabas Health. It has provided excellent pharmacy services to RWJBarnabas Health employees and dependents since 2012. Our division is a state-of-the-art dispensing facility with multiple quality checks for safety and accuracy.

LSC Mail Order Pharmacy is RWJBarnabas Health's home delivery pharmacy service.

The RWJBarnabas Employee Health Plan requires that long-term maintenance medicine are filled through home delivery or an onsite pharmacy. The pharmacy experts at LSC Mail Order are working hard to make the medicines more affordable, and your experience easier.

Avoid Paying Full Price for Your Long-Term Medicines

RWJBarnabas Health's LSC Mail Order Pharmacy will help you get the medicine that you need to feel better and live well. The pharmacy experts at LSC Mail Order are working hard to make your medicine more affordable, and your experience easier.



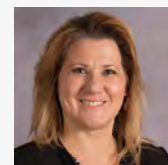
**Suzanne Sesta,
RPh, BCSCP**
Vice President of
Qualitas Pharmacy
Services



Ronald Simbulan, RPh
Director of Pharmacy,
Qualitas Pharmacy
Services and LSC Mail
Order



**Fernando Oliveira,
BA Biology**
System Director of
Pharmaceutical
Procurement, Qualitas
Pharmacy Services



**Sharon Bednarz, CPhT,
BA-HCA**
Pharmacy Technician
Manager, Qualitas
Specialty and LSC Mail
Order Pharmacy

Integrated Service Line

Qualitas Specialty Pharmacy

Qualitas Specialty Pharmacy is a wholly-owned specialty pharmacy services company of RWJBarnabas Health focusing on high cost, high touch medication therapies for patients with complex disease states. We offer complete specialty care, with a range of medications, therapies and services to manage conditions easier.

Medications in specialty pharmacy range from oral to cutting edge injectable and biologic products. The disease states treated range from cancer, hepatitis, HIV, multiple sclerosis, rheumatoid arthritis, transplant, to rare genetic conditions. The Specialty Pharmacy Division holds accreditations with Joint Commission and Utilization Review Accreditation Commission (URAC) and ACHC. These accreditations differentiate our organization from other healthcare providers exhibiting distinction. We also have board-certified specialty pharmacists on our staff.

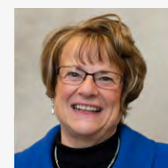
Services Provided

Our experienced specialty trained pharmacists and nurses understand the complexities of our patients' conditions and are available to offer support including:

- Injection training
- Medication side-effect management
- Appropriateness of therapy assessment
- Periodic assessments and reassessments
- Ongoing monitoring for safety and efficacy of prescribed medicines
- Financial Assistance
- 24-hour on call pharmacist and nurse
- Free delivery of medications

Insurance Coordination

- Most specialty prescriptions require prior authorization
- Insurance experts coordinate with the patient's physician and health plan to facilitate the process



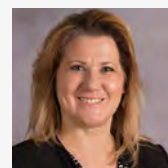
Suzanne Sesta, RPh, BCSCP
Vice President of Qualitas Pharmacy Services and LSC Mail Order



Ronald Simbulan, RPh
Director of Pharmacy, Qualitas Pharmacy Services and LSC Mail Order



Fernando Oliveira, BA Biology
System Director of Pharmaceutical Procurement, Qualitas Pharmacy Services



Sharon Bednarz, CPhT, BA-HCA
Pharmacy Technician Manager, Qualitas Specialty and LSC Mail Order Pharmacy



Connie Ho, PharmD, MBA
Clinical Coordinator

Integrated Service Line

The Centralized Pharmacy Warehouse provides non-compounded products to all RWJBH hospitals. The Centralized Warehouse model allows for the procurement of bulk, reduced- cost purchases and the direct purchases of products on national shortage. Direct purchases prevents interruptions in supply chain management and patient care.

Specific products are brought into the warehouse as needed based on mitigation for future possible supply interruptions and prior to known price increases. Smart bulk purchases lead to large cost savings to the RWJBH system.

In 2022, the Centralized Warehouse was crucial in support of the RWJBH system by procuring products that were in short supply. Specific items such as Albuterol inhalers, Terbutaline, Amoxicillin, and Valproate were brought in to supply the hospitals during the pediatric surge in 2022. This continued through key partnerships and direct accounts with manufacturers and other vendors.

In addition, 2022 brought over \$5 million dollars worth of cost-savings pharmaceutical purchases through the Centralized Warehouse. The Centralized Warehouse was also able to provide another \$3 million dollars worth of products that were not available through our wholesaler and on national supplier shortage.

The Flu vaccine is also brought into the Centralized Warehouse and then dispensed to each hospital as needed. This allows for easier supply chain shipping and a better coordinated return process.

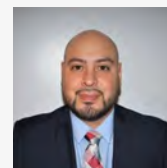
For 2023, the goal is to continue to expand our bulk cost-savings model by bringing in high usage, high dollar products. We will continue to strengthen our partnerships with mfg's and vendors to bring in any product that the system may need during supply chain interruptions in 2023.



Fernando Oliveira,
BA Biology
System Director of
Pharmaceutical
Procurement, Qualitas
Pharmacy Services



Bryan McCormick,
CPhT, MBA
Corporate Director 340B
Program, Corporate
Pharmacy



Michael Malaga
Supervisor, Qualitas
Pharmacy Services

Integrated Service Line



Community pharmacists are responsible for a variety of patient-centered activities including but not limited to dispensing prescription and non-prescription medications, educating and counseling patients, screening for and providing vaccinations, identifying and addressing potential drug interactions, and optimizing patient care. Community pharmacists must work within legal and ethical guidelines set by many different regulatory agencies, including the State Board of Pharmacy, Drug Enforcement Administration, Food and Drug Administration, and third-party payers.

The Barnabas Health Retail Pharmacy network currently operates six pharmacies that offer convenient prescription services to the general public, patients, and employees. Our on-site pharmacies offer our patients a convenient method to address their discharge medication needs after doctors' appointments, clinic visits, outpatient procedures, and inpatient hospitalizations. Our complimentary bedside medication delivery service by our pharmacy discharge advocates provides patients a more efficient transition during discharge. In addition, this service allows our professional staff to educate patients on the importance of medication adherence and address any questions or concerns that patients may have prior to discharge. Our pharmacies also carry a comprehensive line of specialized medications and devices to meet the needs of our discharge populations and hospital programs.

This past year, the retail pharmacy enhanced its clinical services, consolidated two retail pharmacies, and went live on Epic Willow Ambulatory at Clara Maass Medical Center. The Dispensary of Hope program, which improves medication access to under-served populations by providing donated medications at no charge, was maintained at four retail locations and expanded to the Greenville location. During 2022, most outreach programs transitioned back to in-person while continuing virtual and telephonic sessions with educational programs including preventive medicine, medication safety, vitamins and supplements, and COVID-19 vaccine updates. In addition, collaborations were established with the Irvington Health Department and Family Connections – ADAPT to support community-based health education and screening programs.

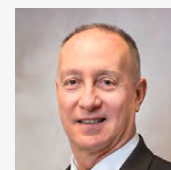
The retail pharmacy intends to build upon its robust patient care and clinical service programs in 2023. Initiatives include expanding and maximizing EPIC's retail platform, increasing immunization awareness, optimizing third-party reconciliation receivable procedures, and establishing insulin availability under the Dispensary of Hope program, implementing a medication Track and Trace program, and remodel the retail pharmacy at Newark Beth Israel Medical Center.

Patient-centered community outreach education and screening programs

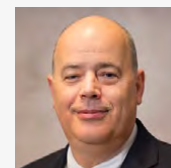
- 624 Nye Ave Senior Housing – Irvington, NJ
- Bethany Senior Center – Newark, NJ
- Bishop Taylor Manor – East Orange, NJ
- Bloomfield Public Library – Bloomfield, NJ
- Edward and Lois Gray Apartments – Irvington, NJ
- Friday Friends – Millburn, NJ
- Livingston Senior Center – Livingston, NJ
- Millburn Life Lighters – Millburn, NJ
- New Hope Village – Newark, NJ
- NJ Reentry Corporation – New Brunswick, NJ
- Old Guard Senior Citizens of Livingston – Livingston, NJ
- Senior Wellness Connection (NBI) – Newark, NJ
- Village at Garwood Seniors – Garwood, NJ
- Wesley Towers – Newark, NJ
- Westfield Senior Housing – Westfield, NJ

Additional services offered by our pharmacy network include

- Tailored clinical services based on individual facility needs
- Bedside medication delivery prior to discharge
- Prescription delivery (some restrictions may apply)
- Adult Immunizations (where available)
- Popular generic prescription plans offered (\$4 for 30 days, \$10 for 90 days on select generic medications)
- Individualized medication consultation available on every prescription
- Naloxone Public Access Program in collaboration with NJ Department of Health
- Computerized year-end tax records and insurance receipts
- Healthcare Provider In-service Education
- Over-the-counter (OTC) medications available with a 20% discount to all employees
- Flexible Spending Accounts (FSA) cards accepted
- Charity Care Prescription Programs
- Contracted pharmacy to our 340B hospitals
- All major insurance plans accepted: NJ Medicaid, CVS/Caremark, Horizon BC/BS of NJ, Express Scripts, Horizon NJ Health, Optum Rx, and Medicare Part D Plans
- Support care transitions, adult immunizations, medication adherence, and medication therapy management (MTM)



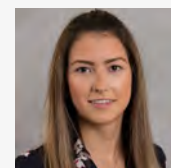
Robert Pellechio, RPh, MPA
Senior Vice President and
Chief Pharmacy Officer



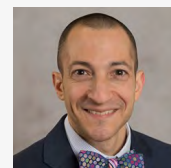
Joe Voelkel, RPh
Assistant Vice President,
Retail Pharmacy Network



Shawn Lynch, RPh
Pharmacist Senior
Manager, Retail
Pharmacy Network



Monika Stachura, CPhT
Pharmacy Coordinator,
Retail Pharmacy Network



Lucio Volino, PharmD
Clinical Pharmacist
Retail Network and
Clinical Associate
Professor, Ernest Mario
School of Pharmacy,
Rutgers University

**Barnabas Health
Retail Network**



Christopher Cilderman, PharmD
Pharmacist in Charge, Clara
Maass Medical Center Retail
Pharmacy



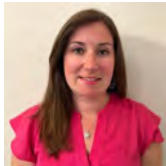
Cathy King, PharmD
Pharmacist in Charge,
Cooperman Barnabas
Medical Center Retail
Pharmacy



Cynthia Laracuenta, PharmD
Pharmacist in Charge,
Monmouth Medical Center
Retail Pharmacy



Kanakis Markakis, RPh, FACA
Pharmacist in Charge,
Jersey City Medical Center
Retail Pharmacy



Stephanie Parzych, PharmD
Pharmacist in Charge,
Newark Beth Israel Medical
Center Retail Pharmacy



Maileen Simbulan, RPh
Pharmacist in Charge, Retail
Pharmacy at Greenville



Mabel Vidal, RPh
Pharmacist in Charge,
Ambulatory Care Center Retail
Pharmacy

Integrated Service Line



New Jersey's only National Cancer Institute (NCI) – designated Comprehensive Cancer Center, Rutgers Cancer Institute of New Jersey's team of internationally recognized physicians and researchers is driven by a singular focus and mission, to help individuals fight cancer. Through the transformation of laboratory discoveries into clinical practice, we target cancer with precision medicine, immunotherapy and clinical trials and provide the most advanced, comprehensive, and compassionate world-class cancer care to adults and children. This mission is being accomplished in partnership with RWJBarnabas Health. Rutgers Cancer Institute physicians and scientists work side-by-side to make sure the most sophisticated treatments are delivered to our patients quickly and safely - the future of cancer treatments today.

In 2022, Rutgers Cancer Institute

- Cared for over 66,000 outpatient clinic visits to the center,
- Treated over 40,000 patient treatment-visits to Adult Infusion and Pediatric Infusion.
- Dispensing nearly 94,000 doses

Of these treatment-visits, 14.5% (or 4141) of patient visits involved a patient enrolled onto a therapeutic clinical trial.

To support these service, Rutgers Cancer Institute of New Jersey employs:

- 7 Board Certified Oncology Pharmacist supporting clinical care
- 7 PharmDs supporting the infusion center operations and cleanroom
- 7 Certified Pharmacy Technicians (CPHT) with certification in Compounding Sterile Preparations (CSPT) and Handling of Hazardous Medications

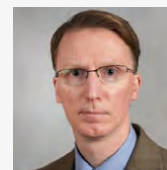
Researchers from Rutgers Cancer Institute have made outstanding scientific contributions towards the national goal of reducing the incidence of cancer and improving the outcomes for cancer patients. Rutgers Cancer Institute coordinates basic, clinical and population research through five comprehensive research programs comprised of faculty who form cohesive, interdisciplinary groups supported by peer-reviewed grants and Rutgers Cancer Institute shared resources. Close to 250 Rutgers Cancer Institute faculty members garner more than \$100 million annually in federal, state, and philanthropic grant support.

Rutgers Cancer Institute of New Jersey is a part of Rutgers Health, one of the most comprehensive academic health care provider organizations in New Jersey, offering a breadth of accessible clinical care throughout the State supported by the latest health-related research and education. Rutgers Health connects health care providers across disciplines, including doctors, nurses, dentists, physician assistants, pharmacists, clinical psychologists, and social workers, with a single focus: helping people and populations get well and stay well by delivering consistent, coordinated, value-based health care.

As oral chemotherapeutic agents become used more readily for the care of cancer patients, Rutgers Cancer Institute of New Jersey, along with Qualitas Specialty Pharmacy are working in conjunction to better the patient treatment experience. The goal of this Oral Oncolytic program (Specialty Rx Access) is to dispense oncology specific medications to patients, to reduce the cost of filling unnecessary medications, reduce distribution costs, ensure patient safety and adherence, and to comply with risk evaluation and mitigation strategy programs. To overcome the traditional, specialty pharmacy model as stand-alone or mail-order operations with no affiliation with the patient's practice-based oncology care team, our Health-System now has an internal specialty pharmacy service, which are highly integrated with the patient's oncology care team. This model matches best practice in the literature described as a closed-loop collaboration between the oncology practices and an internal specialty pharmacy access programs and results in positive clinical outcomes as well as both patient and provider satisfaction. The model includes two full-time pharmacists and 1 technician within the Cancer Institute and 1 dedicated FTE at Monmouth Medical Center and Newark Beth Israel Medical Center. This service has grown to a \$30mil revenue generating program locally and a \$52mil revenue generating program when including all RWJBH sites under the oncology service line.

Referral Source	Dispenses	Unique Patients	Revenue
CINJ / NB	3755	764	\$29,667,988
IMMC Oncology	1010	174	\$8,848,734
SBMC Oncology	433	96	\$3,088,522
NBI Oncology	455	74	\$3,185,170
Lakewood Oncology	252	45	\$2,256,006
Somerset Oncology	253	48	\$2,124,714
CMC-Oncology	158	21	\$1,129,621
JCMC Oncology	113	24	\$1,050,988
Hamilton Oncology	135	30	\$820,484

In response to the COVID-19 pandemic and as an opportunity to redefine the oncology care delivery model, CINJ / RWJBarnabas Health launched a pilot aimed at providing home infusion oncology treatments and other high-cost injectable drug treatments for eligible CINJ patients as an alternative to an infusion center. Last year, Rutgers Cancer Institute of NJ / RWJBH in collaboration with Qualitas Infusion Services, concluded this pilot program for home infusion of chemotherapy. Outcomes and Results: Nearly 100 patients have been enrolled into the program and there are an additional 100+ patients are undergoing screening and evaluation. The program has been well received among patients with a patient satisfaction survey score of 98%. Positive comments included convenience, alleviating anxiety, and nursing professionalism. This pilot has changed the standard of care for how & where we administer certain chemotherapy regimens to patients with the benefit of creating capacity in our infusion areas and improving patient satisfaction. Rutgers Cancer Institute of New Jersey now offers a broad scope of chemotherapy infusion in the home setting.



Michael P. Kane,
RPh, BCOP
Executive Director,
Oncology
Pharmacy Services



Fuwing Lee, RPh, MPA,
MSHI
Clinical Pharmacist
Specialist, Informatics

Christian Gabel, PharmD
Pharmacist Manager,
Investigational Drug
Services

Integrated Service Line

The Pharmacy at Rutgers Cancer Institute of New Jersey is also an NCI Comprehensive Cancer Center Shared Resource that provides support for Rutgers Cancer Institute of New Jersey members who conduct research with investigational agents in human subjects. The overall goal of this shared resource is to support the rigorously reviewed Rutgers Cancer Institute's clinical research by providing an efficient, centralized service of extraordinary quality to support the Health-Systems participation in select clinical trials.

The specific goals of this shared resource are to:

- Develop and maintain proper methods for preparation and handling of investigational agents
- Ensure that all issues involving drug accountability, dosing, and administration are (a) clearly defined in the protocol; (b) consistent with Rutgers Cancer Institute, State, and Federal policies and procedures; and (c) followed to ensure the proper use of all study agents in clinical trials
- Facilitate procurement, maintain accountability, and provide secure and appropriate storage for all investigational agents, and ensure that these agents are dispensed according to protocol guidelines, for the basic science programs, the Research
- Pharmacy shared resource procures investigational and commercial agents for laboratory use Assist Cancer Institute
- investigators, along with the Rutgers Cancer Institute of New Jersey's Office of Human Re-search Services (OHRS), in maintaining regulatory compliance
- Provide expert consultation on the use of new agents regarding drug interactions, sequencing, formulation and
- Administration
- Provide an additional level of quality assurance in clinical trials through a) verification of informed consent; b) verification of eligibility and enrollment through the OHRS before dispensing any agent to clinical trial participants; c) verification of dose assignments in phase I trials; d) verification of investigators' active National Cancer Institute (NCI) status; e) review of dose modifications; f) assessment for potential drug interactions; g) maintenance of randomization schemas for investigator-initiated trials; and h) assessment of patient adherence for self-administered protocol therapy

Preparation and Handling for all Investigational Agents: The shared resource develops methods and manages the preparation and delivery of investigational agents in a USP 797/800 compliant clean room. Policies and procedures are in place that ensure (1) proper storage, handling, and dispensing of investigational agents according to protocol; (2) dose modifications occur as described in the protocol; and (3) all federal and state regulatory requirements are met. It also develops policies for the management of investigational agents used in Cancer Institute multicenter trials through the RWJBarnabas Partnership of hospitals and our Affiliates for clinical trials. All policies and procedures are based on NCI guidelines and the recommendations of the Research Pharmacy Advisory Committee.

Drug Accountability, Dosing, and Administration: All protocols are reviewed by the shared resource before activation to ensure that drug accountability, preparation, dosing, and administration are clearly defined. This helps to minimize the risk of medication errors and protocol deviations. Procurement: The shared resource works with principal investigators and sponsoring organizations to coordinate the procurement of Investigational drugs. Upon receipt of the investigational agent, all shipping documents are verified against materials received, lot numbers, and expiration dates. It also obtains, tracks, and supplies commercial agents for clinical trials and for laboratory use by Rutgers Cancer Institute members.

Storage and Security: All investigational agents are stored in the shared resource area, which is double locked at all times, and is accessible only by licensed staff members. There is adequate, room-temperature storage space, refrigeration, and freezers (one -30oC and two -86oC). Monitoring of these temperatures occurs every ten minutes and is documented with SmartVue™, a wireless remote temperature monitoring system with daily backup to the Rutgers Cancer Institute's server.

Dispensing: Research Pharmacists directly oversee the handling of investigational agents and ensure that preparation of agents is performed according to the respective protocol and accordance with FDA and NCI guidelines for investigational drug use. The staff is responsible for verifying study agents are dispensed only for patients on IRB-approved clinical trials, the most up-to-date informed consent is signed by both the patient and an approved investigator, patient eligibility and has been enrolled by OHRS via Oncore®. The pharmacy staff in collaboration with OHRS develops CPOE order-entry for each protocol. All medication orders are cross-referenced to the protocol for verification of dosing, dosing modification, laboratory data, toxicity information.

Drug Accountability: Drug accountability is performed as outlined in the NCI Drug Accountability guidelines. The Department recently expanded to incorporate Vestigo® for drug accountability documentation and are in the process of roll-out across the Health-System. Expert Consultation for Clinical Trial Development: Occurs during the development of clinical trials. The staff focuses on the development of exclusion criteria for concomitant medications that may interact with the protocol agent, dose modifications for renal, pulmonary, liver or cardiac function based on the preclinical toxicity profile of a new agent for a phase I trial and collaborate on the sequence of administration of protocol agents in the treatment plan. Supportive care medications on investigator-initiated trials are developed and weekly Phase I Group meetings and in protocol activation meetings to continuously and prospectively address these issues.

Drug Formulation: The shared resource has the capacity to formulate and handle new agents including biologicals (e.g., bi-specific t-cell engagers, Coxsackievirus A21, talimogene laherparepvec, PANVAC, fowlpox vaccines) and natural products (e.g., tocopherols). The shared resource staff works with OHRS and sponsoring regulatory agencies to achieve approval of new formulations. It also works with institutional safety committees to make sure that each potentially hazardous compound or agent is handled and dispensed in compliance with Good Clinical Practice (GCP) and in concordance with all safety procedures for the agent.

Quality Assurance: The shared resource is responsible for ensuring that all study agents are dispensed only for patients on IRB-approved clinical trials and only after the most recently IRB-approved consent form has been signed by both the patient and an approved investigator. Staff also verifies that a signed and dated consent form is in the chart, re-verifies patient eligibility, and confirms with OHRS that the patient is enrolled onto a study before dispensing a protocol agent. Additionally, a pharmacist obtains a comprehensive medication history from the patient to minimize the risk of adverse drug interactions.

All the IRB-approved investigator-initiated clinical trials are first translated into the EMR by the OHRS Clinical Trials Informatics Specialist and then all investigational agents are inputted by the Informatics Pharmacist and verified by the shared resource.

For randomized, investigator-initiated clinical trials, the shared resource obtains the randomization schema from the Biometrics shared resource. It also performs the randomization and maintains the randomization codes for possible decoding in the event of a medical emergency.

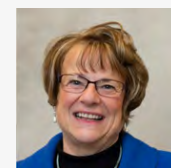
Research Pharmacy Services for Multicenter Investigator-Initiated Clinical Trials: For network trials conducted at network institutions, the shared resource is responsible for supporting and inspecting the pharmacy at these sites and training their staff. Investigational agents are inputted by the Informatics Pharmacist and verified by the shared resource.

Integrated Service Line

RWJBarnabas **Consolidated** **Pharmacy** **Services**

RWJBarnabas Consolidated Pharmacy Services (CPS) is a wholly owned pharmacy service company of RWJBarnabas Health. It is a centralized pharmacy providing system hospitals with quality sterile products. It was created to help control costs for the system by consolidating job functions, reducing waste and passing on just costs to the system hospitals. RWJBarnabas Consolidated Pharmacy Services began in 2004 providing TPN for both adult and NICU inpatients. In 2009, Qualitas added compounding small and large volume sterile medications to its services, continuously adding products for the system hospitals upon request. In 2013, it started providing barcoded repackaging services for oral medications that are not available in unit dose as part of a strategic plan to barcode medications in preparation for conversation to bedside barcode medication administration at all of our acute care facilities.

CPS has added Code Cart Centralization to the services offered. After the Clinical Council standardized the code cart contents, CPS will now provide code cart services, where we fill and replace outdated items for each code cart. We use Inmar software to track lot and expiration dates for each tray. We can now track what cart each tray goes into and the location of each cart. Qualitas is leading the sterile products collaborative, standardizing policies and monitoring USP 797/800 compliance.



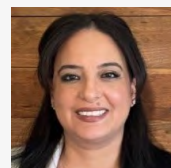
Suzanne Sesta,
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Vice President of
Qualitas Pharmacy
Services



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Fernando Oliveira,
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Nakia Kandas, R.Ph,
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IV Supervisor, Qualitas
Pharmacy Services



Jolly Shah
Clinical Technician
Supervisor



- 01 Advocacy
- 02 Community
- 03 Education
- 04 Financial
- 05 Quality & Safety
- 06 Research & Publication

Advocacy

The **RWJBarnabas Health** Pharmacy Enterprise is an integrated part of the health care team. Pharmacists are responsible for ensuring safe, effective, and appropriate medication use for all patients

In 2022, the Acute Care Service Line workload statistics include:

- The team prevented more than 84,871 adverse reactions
- The team intervened and prevented in excess of 166,557 medication errors from occurring
- There were more than 32 million doses dispensed
- The number of medication orders verified was more than 7.5 million
- The median turn around time to process a STAT order was 6.7 minutes
- There was a 8.5 minute median turn around time to process a routine order
- The pharmacists performed more than 1.96 million clinical activities
- The pharmacists performed in excess of 298,553 laboratory assessments
- The pharmacy technicians performed more than 156,144 activities
- Performed greater than 65,425 Antibiotic Stewardship activities
- More than 90,400 patients were seen directly by a pharmacist
- More than 4,400 ambulatory activities performed by a pharmacist across the continuum of care

Members of our team were named to a state or national organization and editorial board leadership positions:

ASHP

- ASHP Policy Advisory Panelist
- Council on Pharmacy Management - Co-Chair
- Clinical Leadership Section Advisory Group - Vice Chair
- CV Reviewer
- Fellow
- New Jersey Delegate to ASHP
- Pediatric Section Advisory Group (vice chair)
- PGY1 Program Reviewer
- PGY2 Program Reviewer
- Poster Reviewer
- Standardize 4 Safety Pediatric Advisory Committee
- Value, Quality and Compliance Section Advisory Group - Chair

NJSHP

- Annual Meeting Planning Committee
- Director of Public Policy
- Director of Social Media
- Director for Council on Educational Affairs

ACCP

- Adult Medicine PRN Poster Reviewer
- Adult Medicine PRN Walk Rounds Committee Member
- Board Member
- Cardiology PRN research and scholarship committee
- CV Reviewer
- Educational Affairs
- Emergency Medicine PRN – Media Committee Member and EMED CODE member Faculty Member

- Fellow
- Task Force

Alcohol & Drug Abuse Prevention Team (ADAPT): The Essex Prevention Coalition

- Prescription Drugs Committee

American Society of Consultant Pharmacists

- Fellow

American College of Cardiology

- Associate Appointment
- State Liaison for the NJ Chapter

American Association of Colleges of Pharmacy (AACP)

- Annual Meeting Student Poster Competition Abstract Reviewer
- Annual Meeting Program Committee Member
- Annual Meeting Speaker/Topic Selection Subcommittee Member
- Leadership Development Special Interest Group
- Pharmacy Practice Section Faculty Mentoring Program Mentor
- Laboratory Instructors Special Interest Group
 - Chair
 - Immediate Past Chair
 - Mentoring Program Mentor
 - Nominations Committee Chair
 - Resolutions Committee Chair

American Association of Psychiatric Pharmacists (AAP)

- Chair of Public Education Committee
- Recertification Editorial Board Member
- CCBHC Task Force

Advocacy

American Pharmacists Association (APhA)

- Abstract Reviewer
- Immunizing Pharmacists Special Interest Group
 - Webinar Task Force Co-chair

Annals of Pharmacotherapy

- Chairperson, Internal Medicine Panel, Editorial Advisory Board

Board of Pharmacy Specialties

- Geriatric Board Certification Exam study team

Heart Failure Certification Council

- Fellow
- Member
- Multi-disciplinary exam writer and reviewer

Interfaith Homeless Outreach Council

- Board Directors

National Academies of Practice

- Fellow

New Jersey Pharmacists Association

- Membership Committee Member
- New Jersey Delegate to APhA

New Jersey Reentry Corporation (NJRC)

- NJRC Program Ambassador

Pharmacy Times Health System Edition

- Advisory Board

Pediatric Pharmacy Association

- Advocacy Committee Member
- Drug Development Committee Member
- Fellow

Rho Chi Society

- Awards Committee Chair
- Awards Task Force Chair
- Centennial Planning Task Force Member
- President-Elect
- President
- Student Executive Council Task Force Chair
- Town Hall Task Force Member

Society of Critical Care Medicine

- Accreditation and Learning Strategies Committee
- Board Appointment

Trans-Atlantic Renal Council

- Board of Trustees

The Acute Care Service Line consists of 492 pharmacists, 365 pharmacy technicians and more than 13 support staff. Our acute care pharmacy team is deployed in both centralized and decentralized staffing models. The inpatient decentralized model operates to verify orders on the patient care units, and attending rounds and counseling patients. The decentralized model is supported by computerized prescriber order entry (CPOE), automated dispensing cabinets (ADC) on the units, and bed-side barcode medication administration. Technicians support the decentralized pharmacists by restocking the ADCs and delivering non-stocked medications to the units from the central pharmacy. In the central pharmacy, the technicians assist pharmacists by answering phones, filling labels, compounding and picking medications, and performing deliveries. Centralized clinical pharmacists provide telephone consultations to members of the interdisciplinary care team, verify orders, and oversee technician activities and sterile product compounding.

Advocacy

The **RWJBarnabas Health** Pharmacy Enterprise encourages all teammates of all roles to pursue advanced certifications within their respective area of practice. These certifications are not required but are obtained by our teammates due to the self motivation to continuously improve the skill sets they offer our patients and fellow practitioners.

Certifications in 2022:

- Seventeen teammates achieved Board Certification in 2022
- There are currently 146 teammates who currently are board certified in one of the following and 30 teammates hold more than one of the following:
 - AQCD, BCACP, BC-ADM, BCCCP, BCCP, BCGP, BCIDP, BCNSP, BCOP, BCPP, BCPPS, BCPS, BCSCP, BCSPS, BCTXP, CACP, CHSE, CPhT, CSP, CSPT
- The RWJBarnabas Health Pharmacy is proud of our teammates who have pursued these certifications and offer this expertise to our patients, families and fellow practitioners. In fact, 28% of all pharmacists in our Enterprise are Board Certified Pharmacy Practitioners

Advocacy

The Qualitas Pharmacy Division consists of **33** pharmacists, **45** pharmacy technicians, **50** support staff and **34** nurses

Qualitas Home Infusion Division

The Qualitas Home Infusion Division delivers medications, nutritional support, infusion pumps and supplies as well as comprehensive education and infusion therapy management to patients in need of home infusion therapy.

- Our nurse colleagues performed 23,964 home visits to our patients
- The division made and administered in excess of 67,212 intravenous medications
- Home infusion division achieved a 0.01 % infection rate per 1,000 patient days
- The Acute Care Service Line referred 4318 patients to our service
- The Home Infusion division provided 2015 days of free care for patients from our system

RWJBarnabas Consolidated Pharmacy Services Division

The RWJBarnabas Consolidated Pharmacy Services Division delivers medications, nutritional support, infusion pumps, and supplies as well as comprehensive education and infusion therapy management to patients in need of home therapy.

- Our pharmacy team prepared and delivered more than 265,667 intravenous medications for the acute care service line
- There were in excess of 23,277 Total Parenteral Nutrition intravenous preparations made and delivered to our Acute Care Service Line
- Our service repackaged for the Acute Care Service Line over 559,280 tablets of medications into unit dosage forms because they were not commercial available
- Our service repackaged for the Acute Care Service Line more than 119,425 doses of liquid medications into unit dosage forms because they were not commercially available
- By utilizing this division in lieu of outsourcing and centralizing purchasing, the Health System saved **\$5,015,102**

Qualitas Home Mail Order Division

The Qualitas Mail Order Division delivers and provides superior service and support for RWJBarnabas Health employees and dependents, ensuring appropriate therapy

- Our mail order division filled more than 74,696 prescriptions for employees and their families
- The mail order division coordinated deliveries averaging 12 driver deliveries a day
- By utilizing this division in lieu of outsourcing to a chain pharmacy, the health system saved **\$4,879,194**

Advocacy

Qualitas Specialty Pharmacy Division

The Qualitas Specialty Pharmacy Division offers a comprehensive therapy management service that focuses on providing high cost, high touch medication therapy for patients with complex disease states. Our pharmacy offers complete specialty care with a range of medications, therapies and services to manage conditions easier. Medications in specialty pharmacy vary from oral to cutting edge injectable and biological products. Our goal is to achieve superior clinical and economic outcomes while maintaining the utmost compassion and care for our patients.

- Our dedicated team filled more than 86,031 prescriptions for our patients
- The team made in excess of 27,419 deliveries to our patient's homes
- The division averages approximately 336 prescriptions on a daily basis
- Our health system referred 492 transplant patients to our service
- This division filled 17,858 specialty 340B scripts
- By utilizing this division, the health system saved **\$30,388,144** in 340B dollars
- The disease states managed under our care are:
 - Heart Transplant
 - Hepatitis C
 - Kidney Transplant
 - Lung Transplant
 - Oncology
 - HIV

Advocacy

Pharmacy Reimbursement Division

The Pharmacy Reimbursement Division (PRD) consists of a team of individuals with expertise in medication billing and reimbursement.

- Recovered over \$4.6 million in 2022 and \$51.1 million since program inception for the Acute Care Service Line, a through dedicated review and incorporation of existing clinical, reporting and surveillance applications
- Transition from McKesson RxO/Cardinal eRecovery to Carexst Drug Replacement/Patient Assistance Program across all Acute Care Service Line facilities resulted in over \$150K in cost savings in 2022.
- Payor Invoice Submissions: since implementation in April 2021, we have received over \$893K in recoveries.
- Epic Build/Go-Live
 - Pre & Post Go-Live Support
 - WQ Review and Education
 - Enhancements
 - Formulary additions/revisions
 - VitalWare import
 - Inbasket errors
 - Annual and Ad hoc Pricing Updates
 - Waste Billing Maintenance
 - Charge vs Reportable
 - Backend Logic Build
 - ESA's
 - Leuprolide
 - Argatroban
 - Custom Pharmacy User Templates

Advocacy

Retail Pharmacy Network Division

The Retail Pharmacy Division members are responsible for dispensing and controlling medicine, which includes both prescription and non-prescription. They also advise customers on general healthcare topics. Retail pharmacists must work to meet legal and ethical guidelines set by many different regulatory agencies, including the State Pharmacy Board.

In 2022, the retail pharmacies dispensed 172,467 prescriptions, averaging 473 prescriptions per day, with a staff of 11 full time pharmacists. A total of 16,994 prescriptions were filled for 340B for a system benefit of \$2,168,477.

The Dispensary of Hope program, which improves medication access to under-served populations by providing donated medications at no charge, was maintained at five retail locations. The Dispensary of Hope is a non-profit drug distributor, whose mission is to transform lives by creating pathways for donated medicine to reach individuals in need and without access. Our system has the only retail pharmacies authorized to provide this program in the state of NJ.

The retail pharmacy network continues to build upon and improve its current services which include home delivery, text messaging pickup availability, and refill reminders. Pharmacies provide clinical services to support care transitions, adult immunizations, medication adherence, and medication therapy management (MTM). The retail pharmacy staff is also involved in community outreach programs, brown bag events, and blood pressure screenings. At Newark Beth Israel Medical Center, the retail pharmacy initiated and built programs with the departments of bariatric surgery, emergency, maternal fetal medicine, geriatrics and colorectal surgery.

In 2022, the retail pharmacy generated more than \$26,473,061 dollars in revenue with net benefit in excess of \$728,956 dollars.

In 2022, the retail pharmacies:

- Went live on Epic Willow Ambulatory at the BH Retail Pharmacy at CMMC
- Maintained the Dispensary of Hope program at four retail pharmacy locations
- Dispensary of Hope program implemented at BH Retail Pharmacy at Greenville
- Consolidated 8 retail pharmacies to 6 retail pharmacies
- Provided 104 outreach programs at 15 locations with over 1,100 attendees
- Developed numerous disease state focus patient education materials

Advocacy

340B Drug Pricing Program Division

The 340B Program continues to meet its original goal of helping eligible patients and hospitals make the most of scarce resources while saving taxpayers money. The RWJBarnabas Health 340B covered entities are committed to caring for the vulnerable and use 340B savings to stretch otherwise limited resources to enhance services and increase access. For patients, this means affordable medications, expanded access to community-based primary and specialty care, and help managing chronic conditions. This program supports all these benefits while reducing federal, state, and local health care spending.

In addition to lower costs and affordable medications, our programs support better care and better health outcomes allowing us to provide more services and offset losses from providing care without compensation.

Throughout 2022 the Corporate Pharmacy 340B Team:

- Remained focused on elevating responsibilities related to auditing hospital pharmacies and contracted pharmacies along with supplying compliance tools, 340B training and other support services.
- Integrated a new 340B covered entity into RWJBH operations
- Assisted with the transition of RWJBH's first 340B covered entity to EPIC
- Performed audits of thousands of patient dispensations and thousands of purchasing invoices to ensure program eligibility.
- Completed 3 external audits in conjunction with hospital pharmacy personnel
- Generated \$3.4 million in contract pharmacy revenue through manual order processing due to requests for additional manufacturer information (AMI)
- Contracted with additional specialty pharmacies to increase overall contract pharmacy benefit
- Audited all wholesaler accounts to ensure proper configurations and billing practices
- Assisted with the implementation of BD Logistics at RWJ New Brunswick
- Helped the health system leverage Apexus contracts and purchasing strategies to continue the reduction of wholesale acquisition cost (WAC) spending.

As federal dollars shift and resources become scarce, it is critical that health centers participate in programs like this that will continue to increase patient access and expand services. The 340B Program will enable health centers to increase access to affordable medication, which will ultimately improve outcomes, and assist in overcoming the impact of the decline in federal and state funding.

Advocacy

Ambulatory Care Division

The Ambulatory Care Division consists of 9 pharmacists who act as health care extenders, offering services such as patient counseling, medication reconciliation, and chronic disease state management which can optimize medication use while reducing costs, side effects, and readmissions.

- More than 4,400 ambulatory care interventions were performed by the division
- The most common types of intervention categories include:
 - Transitions of Care
 - Patient Counseling
 - Laboratory Assessment
 - Modifying and Clarifying Therapies—including brand to generic change, cost, inappropriate dose, and efficacy
 - Value-Based Measures
 - Adherence counseling and diabetes management/self-monitoring
 - Medication classes most commonly assessed included cholesterol lowering medications, anticoagulants, anti-diabetic agents, and anti-hypertensives
 - The division is represented on the Patient and Family Advisory Councils to support aligning our treatments with patient needs

Community

Care Continuum

The RWJBarnabas Health Foundational Care Continuum strategy is centered around Transitions of Care.

Transitions of Care is defined as a set of actions designed to ensure the coordination and continuity of health care as patients transfer between different locations or different levels of care within the same location. Locations include hospitals, sub-acute and post-acute nursing homes, the patient's home, primary and specialty care offices, and long-term care facilities. Transitional care is based on a comprehensive plan of care and the availability of health care practitioners who are well-trained in chronic care and have current information about the patient's goals, preferences, and clinical status. It includes logistical arrangements, education of the patient and family, and coordination amongst healthcare professionals involved in the transition. The Pharmacy Enterprise has engaged in several activities to aid in the health system's overall strategy of Transitions of Care such as: patient medication counseling (inpatient and outpatient), home infusion of intravenous medications, and discharge medications filled and delivered to a patients bedside prior to discharge.

The team has increased its presence in the area of care continuum. The following care continuum activities were completed in 2022:

- Excess of 22,306 medication reconciliations
- More than 412 discharge counseling sessions
- More than 13,635 medication histories
- In excess of 837 transition of care activities
- Our pharmacy team continued to extend their service outside of the Acute Care Service Line to physician office practices and clinics. In 2022, Embedded ambulatory care pharmacy specialists provided over 7000 medication consults to more than 2600 individual patients
- We continued our initiative at Cooperman Barnabas Medical Center where a pharmacist accompanies a nurse to perform home visits to ensure compliance with medications in order to prevent admission and readmission to the hospital
- Retail pharmacy Network Division's delivery service to patient's homes provided more than 551 deliveries representing 1284 prescriptions
- The Meds to Beds program processed 12,511 prescriptions for 5,913 patients
- Our Qualitas Home Infusion Division nursing colleagues performed more than 23,964 home infusion visits
- Qualitas Home Infusion provided 336 hydration only visits on behalf of CINJ and RWJ New Brunswick, generating an additional \$271,089 revenue opportunity
- More than 6,800 ambulatory activities performed by a pharmacist

Community

Past polls have traditionally held pharmacists in high esteem for such characteristics as trust, ethics, and honesty. Creating access to pharmacist's unique medication knowledge base is a key focus for our community outreach programs. Improving the pharmaceutical care and disease state understanding should never stop at the doors of a hospital or doctor's office, but should extend into the community. The programs that were completed in 2022 helped to improve medication and disease state knowledge among patients within our community. Patient education is critical to improving their compliance with medications, understanding of disease states, and comfort in communicating with health providers.

The Pharmacy Enterprise provided over 159 community outreach programs in 2022 which included:

- Adopt a Family
- Annual Alma Beatty Health and Wellness Fair
- Antibiotic Awareness Week
- Cardiac Rehabilitation
- COVID Vaccine clinics
- Dispensary of Hope
- Flu vaccine clinics
- Mobile COVID clinics
- Patient Safety Awareness Week
- Pediatric COVID clinics
- Vaccination Education
- Virtual Outreach
- World Patient Safety Day
- Young Men's Christian Association Rahway

- The Retail Pharmacy Network Division continues to maintain and expand the Dispensary of Hope program
- Qualitas Pharmacy Services provided free medications to indigent patients for a total of \$185,852

Community

340B Drug Pricing Program

The RWJBarnabas Health Pharmacy Enterprise fully participates and remains in compliance with the 340B Drug Pricing Program as a means to help our surrounding communities. The 340B Drug Pricing Program is a U.S. federal government program created in 1992 that requires drug manufacturers to provide outpatient drugs to eligible health care organizations at significantly reduced prices. The intent of the program is to allow health care organizations to stretch scarce federal resources as far as possible, reaching more eligible patients and providing more comprehensive services. The 340B eligible hospitals within RWJBarnabas Health are: Clara Maass Medical Center, Jersey City Medical Center, Monmouth Medical Center, Monmouth Medical Center Southern Campus, Newark Beth Israel Medical Center, RWJ New Brunswick and the Hemophilia Treatment Center at Newark Beth Israel Medical Center.

The Retail Pharmacy Network Division dispensed 1,868 prescriptions under the charity program (Dispensary of Hope) that offers free medications to financially qualified patients.

The Retail Pharmacy Network in kind dollars, sponsored by the hospital, provides medications to patients in need. Clara Maass Medical Center \$25,290, Jersey City Medical Center \$52,082, Monmouth Medical Center \$24,670, Newark Beth Israel Medical Center \$134,792, and Cooperman Barnabas Medical Center \$29,722 for a total of \$266,566.

Qualitas Pharmacy Services Divisions provided \$318,043 in kind medications to our indigent patients.

Education

The Pharmacy Enterprise Team Members delivered **35 oral presentations** and **19 poster presentations** at the following International, National, Regional and Local conferences

- American Association of College of Pharmacy Annual Meeting
- American College of Clinical Pharmacy Global Conference
- American Heart Association meeting
- American Pharmacists Association Conference
- American Society of Consultant Pharmacists Annual Meeting
- American Society of Consultant Pharmacists Mid-Atlantic Regional Meeting
- American Society of Consultant Pharmacists South Central Regional Meeting
- American Society of Health-System Pharmacists ASHP Midyear Clinical Meeting

- Annual Quality Fair
- Eastern States Conference
- Grand Rounds
- Hudson County Law Enforcement
- Infectious Disease Week
- New Jersey Society of Health System Pharmacist Annual Meeting
- Noon conference
- Older Adult Awareness Event
- System Quality Forum

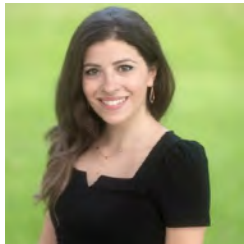
The Pharmacy Team completed **65 formal lectures** within the health system.

- Community Education - Amputee Support Group
- Community Education - Essex Department of Health
- Critical Care Course
- Critical Care Nursing Course
- Ernest Mario School of Pharmacy
- Medical Education - Critical Care Fellows
- Medical Education - Hematology/Oncology Fellow
- Medical Education - Physician Assistants
- Medical Resident Education - Emergency
- Medical Resident Education - Internal Medicine
- Medical Resident Education - Pediatrics
- Pharmacy Resident Boot Camp
- Rutgers School of Health Professions

The Pharmacy Enterprise provided advanced clinical clerkship rotations to over 501 PharmD students training by staff members with adjunct faculty appointments at the following colleges of pharmacy:

- Ernest Mario School of Pharmacy
- Fairleigh Dickinson School of Pharmacy
- Philadelphia School of Pharmacy
- Shenandoah University

Education



Emily Aboujaoude, PharmD
Clinical Assistant Professor-
Rutgers University, Ernest
Mario School of Pharmacy,
Drug Information Residency
Program Director- Robert
Wood Johnson University
Hospital

Drug Information Center

The Drug Information Center is currently staffed by one drug information specialist who is responsible for responding to drug information requests regarding appropriate therapy for a disease state, adverse drug reactions, medication efficacy, drug interactions, intravenous additive incompatibilities, pharmacokinetic drug parameters, and information on newly approved medications.

The drug information specialist also precepts residents and students, and prepares drug monographs for Pharmacy and Therapeutics Committees, medication class reviews, medication use evaluations, develops/revises hospital policies, and assists with the editing and publishing of research articles.

In 2022, the accomplishments of the Drug Information Center were:

- Drug Information Questions: 1,254
- Medication Use Evaluations: 1
- Drug Monographs: 53
- Precepting of Students, Fellows and Residents: 19—This includes 12 students, 4 PGY1 residents, 2 PGY2 residents and 1 fellow
- National Platform Presentations: 2
- National Poster Presentations: 5

Education

The American Society of Health-Systems Pharmacists (ASHP) is a professional membership organization that has taken responsibility for accrediting pharmacy postgraduate year one (PGY1) and post graduate year two (PGY2) residency training programs for the pharmacy profession. A PGY1 pharmacy residency training is an organized, directed, accredited program that builds upon knowledge, skills and abilities gained from an accredited professional pharmacy degree program. The first-year residency enhances general competencies in managing medication-use systems and supports optimal medication therapy outcomes for patients with a broad range of disease states.

Residents in PGY1 residency programs are provided the opportunity to accelerate their growth beyond entry-level professional competence in patient-centered care and in pharmacy operational services, and to further the development of leadership skills that can be applied in any position and in any practice setting. PGY1 residents acquire substantial knowledge required for skillful problem solving, strengthen their professional values and attitudes, and advance the growth of their clinical judgment.

PGY2 pharmacy residency training is an organized, directed, accredited program that builds upon the competencies established in postgraduate year one of residency training. The program is focused in a specific area of practice. The PGY2 program increases the resident's depth of knowledge, skills, attitudes, and abilities to raise the resident's level of expertise in medication therapy management and clinical leadership in the area of focus. In those practice areas where board certification exists, graduates are prepared to pursue such certification.

Pharmacy Residency Program

RWJBarnabas Health offers an American Society of Health System Pharmacists (ASHP)-accredited PGY1 and PGY2 pharmacy residency programs. Residents are given the opportunity to work in interdisciplinary care teams to enhance their skills in evidence-based, patient-centered medication management, and to perform pharmacy practice research that is presented at ASHP's Midyear Meeting and at the Eastern States Residency Conference. Learning experiences are offered in the following areas:

- Administration
- Ambulatory Care
- Cardiology
- Community Outreach
- Critical Care
- Drug Information
- Emergency Medicine
- Research
- Medication Safety
- General Hospital Pharmacy
- Hospital Dispensing/Staffing
- Infectious Disease
- Internal Medicine
- Oncology
- Pediatrics
- Perioperative Services
- Transplant

As of 2022, each RWJBarnabas Health Facility offers the following number of PGY1 pharmacy residency positions per year:

- Clara Maass Medical Center: Two
- Community Medical Center: Two
- Jersey City Medical Center: Two
- Monmouth Medical Center: Two
- Newark Beth Israel Medical Center: Two
- RWJ New Brunswick: Two
- RWJ Somerset: Two
- Cooperman Barnabas Medical Center: Four
- Qualitas Pharmacy Services: One

As of 2022, each RWJBarnabas Health Facility offers the following number of PGY2 pharmacy residency positions per year:

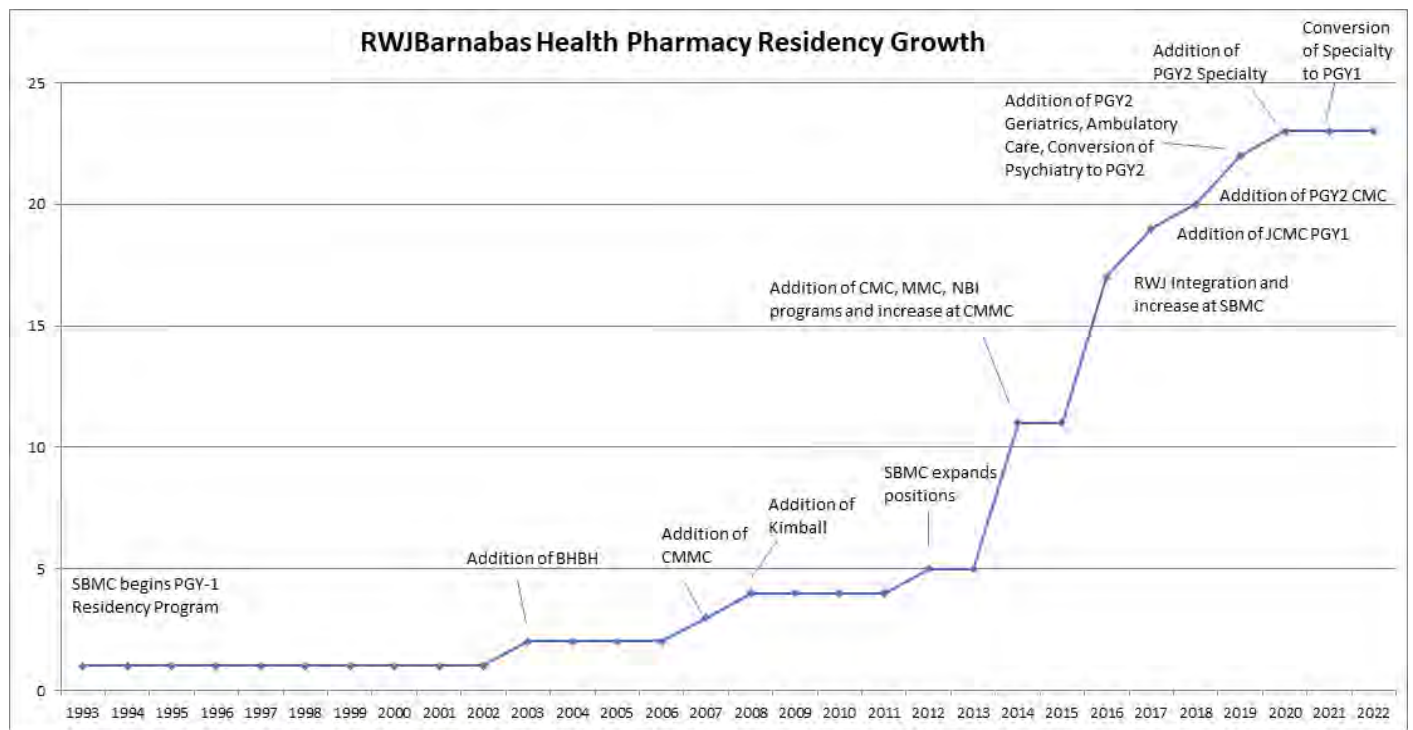
- Behavioral Health Center: One—Psychiatry
- Community Medical Center: One—Critical Care
- Corporate Pharmacy: One—Ambulatory Care
- Cooperman Barnabas Medical Center: One—Geriatrics

Additionally, the following sites serve as primary training locations for the listed Rutgers University PGY2 Programs:

- Monmouth Medical Center: One—Neuropsychiatry
- RWJ New Brunswick: Two—Emergency Medicine
- RWJ New Brunswick: Two—Drug Information
- Cooperman Barnabas Medical Center: One—Pediatrics

Education

RWJBarnabas Health has made a substantial investment to the education of future pharmacy practitioners by expanding the residency programs throughout the health system. The graph below highlights the historical milestones of our program



Residency Changes in 2022

- The PGY2 residency program in Psychiatry received a full eight-year accreditation from ASHP
- The PGY1 residency program at Qualitas Specialty underwent its residency accreditation visit in 2022 and is awaiting decision from the ASHP Commission on Credentialing.

Residency Advocacy for 2022

- Continuation of an ASHP Midyear Newsletter
- Continuation of the Residency Annual Report
- Continuation of Leadership Forum
 - System PGY2 continue to serve as instructors
 - Big/Little Mentorship Program was continued

Residency Marketing Changes in 2022

- RWJBarnabas Health Website updated
- RWJBarnabas health recruiting video recorded
- ASHP Directory updated
- Showcases Covered
 - Rutgers, NYSHS, DVSHS, FDU, ASHP Midyear, MCPHS
- Resident Instagram Takeover by each facility
- 1 informational webinar hosted for students
 - Managing a Virtual Midyear - November 15, 2022
- Social Media - rwjbpharmacy: Instagram, Twitter, Facebook, LinkedIn
- Impact - 152K LinkedIn engagements (1.9K followers), 1.5K Facebook engagements

Quality and Safety

Providing high-quality, safe medical care is a primary goal at RWJBarnabas Health

As experts in medication delivery, pharmacists play an integral role in preventing and managing medication errors; however, ensuring safety in the health system is a team effort. Pharmacists need to broaden their responsibilities by taking on roles in quality and performance improvement projects. Pharmacists are well positioned to assist the healthcare system in improving quality of care as they are already established as experts in medication management processes. The RWJBarnabas Health Pharmacy Enterprise has a strong focus on Quality Improvement including initiatives such as the Medication Use Evaluation Program.

In 2022, the Pharmacy Enterprise medication use evaluations were the following:

- Benchmarking antibiotic use data utilizing SAAR
- Decrease the Number of Opioid Prescriptions from Emergency Departments
- Obtain Top Three Status in Net Promoter Score for Qualitas Specialty Pharmacy
- Maintain Infection Rate Below National Benchmark in Home Infusion
- Maintain Library Pump Compliance System-wide of 95%

Additionally, the following MUE was added:

- Monitoring Dosing Compliance for Direct Oral Anticoagulants

RWJBarnabas Health pharmacists continuously utilize quality improvement tools to promote appropriate medication use. A medication use evaluation (MUE) is a performance improvement method that focuses on evaluating and improving medication use processes with the goal of optimal patient outcomes. The MUE process helps to identify actual and potential medication-related problems, resolve actual medication-related problems, and prevent potential medication-related problems that could interfere with achieving optimum outcomes from medication therapy.

Specific MUE objectives include:

- Promoting optimal medication therapy
- Preventing medication-related problems
- Evaluating effectiveness of medication therapy
- Improving patient safety
- Standardizing medication use practices
- Promoting cost-effective therapy
- Meeting or exceeding internal and external quality standards

Medications may be selected for MUEs for any or all of the following reasons:

- Medication is known or suspected to cause adverse reactions
- Medication is known to interact with other medications
- Medication is used in the treatment of high-risk patients
- Medication is frequently prescribed
- Medication has a narrow therapeutic index
- Medication is under consideration for formulary retention, addition or deletion
- Medication is expensive

RWJBarnabas Health pharmacists play a large role in the MUE process. Specifically, they:

- Develop the operational plan
- Work collaboratively with prescribers and other health care professionals to develop criteria for specific medications and to design effective medication use processes
- Collect, analyze, and evaluate patient-specific data to identify, resolve, and prevent medication-related problems
- Interpret and report MUE findings and recommend changes in the medication use process
- Provide education based on MUE findings

Quality and Safety

The RWJBarnabas Health Antimicrobial Stewardship Program (ASP) is a coordinated multidisciplinary effort, working in concert with the Pharmacy Infectious Diseases Collaborative, to promote the appropriate use of antimicrobials, improve patient outcomes, and mitigate the consequences of antimicrobial resistance across our hospitals and communities.

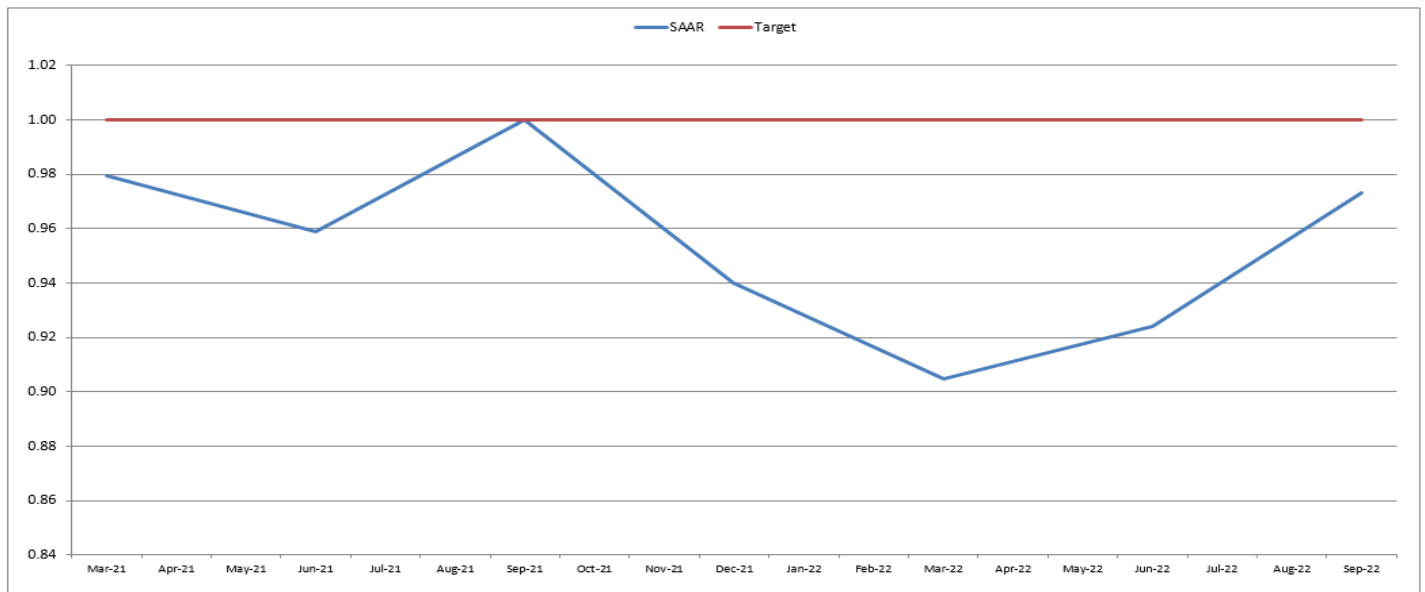
The RWJBarnabas Health ASP is grounded in the CDC Core Elements of Antibiotic Stewardship. The ASP has fundamental procedures in place to meet the Core Elements, including surveillance of culture and sensitivity, de-escalation and escalation, IV to oral transitioning, and renal adjustment of antimicrobial therapy. In 2022, the Pharmacy Infectious Disease Collaborative along with the RWJBarnabas Health Antimicrobial Stewardship program completed the following initiatives:

- Developed a RWJBH guideline for the treatment of *Clostridioides difficile* infection

- Expanded awareness of antimicrobial stewardship throughout the health system and our communities through the recognition of US Antibiotic Awareness Week

- Transitioned to the CDC endorsed Standardized Antimicrobial Administration Ratio (SAAR) for antimicrobial use tracking and benchmarking at all hospitals

Future efforts of the RWJBarnabas Health ASP will focus on standardization of best practices across the system, collaboration with other key specialties and expansion of efforts into the outpatient setting.



The Pharmacy Enterprise migrated to measuring quality initiatives in a control chart methodology. The graphs displayed above are control chart, used to study how a process changes over time. Data are plotted chronologically. A control chart always has a central line for the average (highlighted in red), and upper line for the upper control limit (highlighted in green) and a lower line for the lower control limit (highlighted in purple). These lines are determined from historical data.

Quality and Safety

The Opioid Use Reduction Initiative

According to the Centers for Disease Control and Prevention, more than 750,000 people have died since 1999 from a drug overdose. Two out of three drug overdose deaths in 2018 involved an opioid. Every day, hospitals and health systems see the effects of the nation’s opioid epidemic.

RWJBarnabas Health has been working to address this public health issue for many years. The system began its work with the formation of the Tackling Addiction Task Force. This Taskforce is a multi-disciplinary group of practitioners focused on: education, prevention, recovery, intervention and treatment. The taskforce empowered the RWJBarnabas Health Emergency Room Collaborative and the Pharmacy Enterprise to create an Opioid Stewardship Program. An Opioid Stewardship program is coordination of interventions designed to improve, monitor and evaluate the use of opioids in order to support and protect human health.

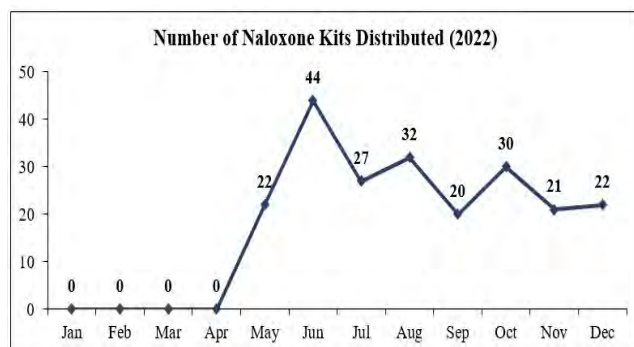
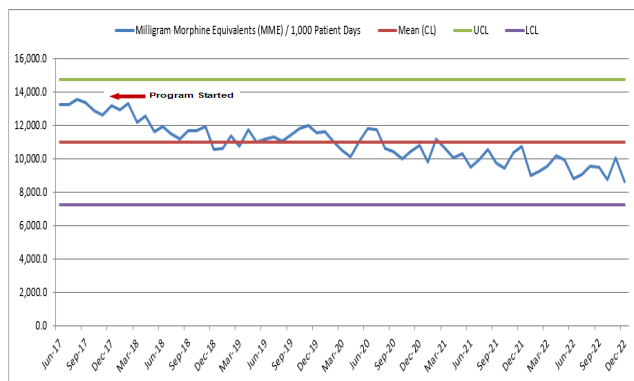
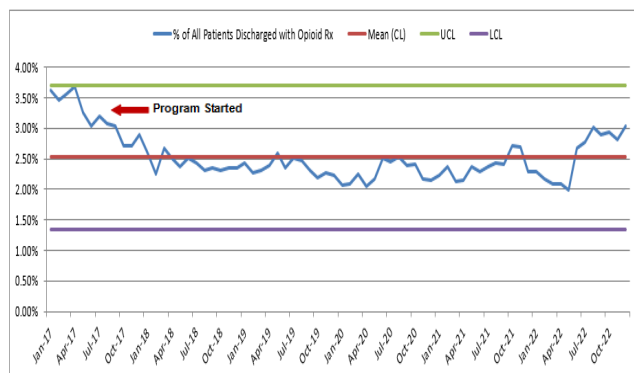
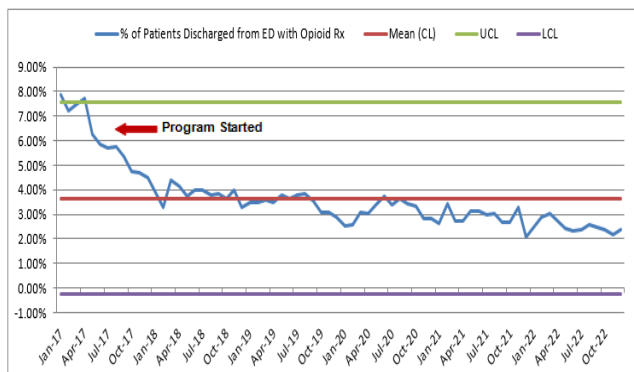
This collaboration led to the development of the system DROP (Deliberate Reduction of Opioids) program led by the RWJBarnabas Health Institute for Prevention and Recovery

This group has completed a number of steps to reduce opioid prescribing and increase access to treatment for opioid addiction:

- Clinician education on prescribing practices
- Creation of evidence-based order sets for pain management across entire system that focus on multimodal pain management to minimize opioid use
- Creation of opioid withdrawal prevention and treatment policy and order set/protocol for all sites
- Continual monitoring of opioid and alternative agent use at all sites through data analytics report converting all opioid prescriptions to morphine equivalents.
- ED and Inpatient review of disease states with highest levels of opioid use

The number of ED patients discharged with an opioid prescription decreased from **2.25%** in 2021 to **2.03%** in 2022 (**1,074** fewer patients or a **9.08%** decrease). Given the **0.85%** increase in ED discharges from 2021 to 2022, we would have expected to see **100** more ED patients discharged with an opioid prescription.

In 2022, the Pharmacy Enterprise partnered with the RWJBarnabas Health Institute for Prevention and Recovery (IPR) and Rutgers Opioid Overdose Prevention Network (OOPN) to begin distributing naloxone. From second to fourth quarter of 2022, 218 naloxone kits were distributed to patients through IPR’s peer recovery specialists.



Quality and Safety

The **RWJBarnabas Health**-owned Qualitas Specialty Pharmacy Division partnered with MMIT, a national health care consulting firm, to produce a Patient Survey Program to measure key performance areas affecting patient engagement. By standardizing a performance measurement tool, the intent was to make it easier for payors, manufacturers, patients and pharmacies to adequately understand and benchmark their performance against other organizations. The survey evaluated issues such as:

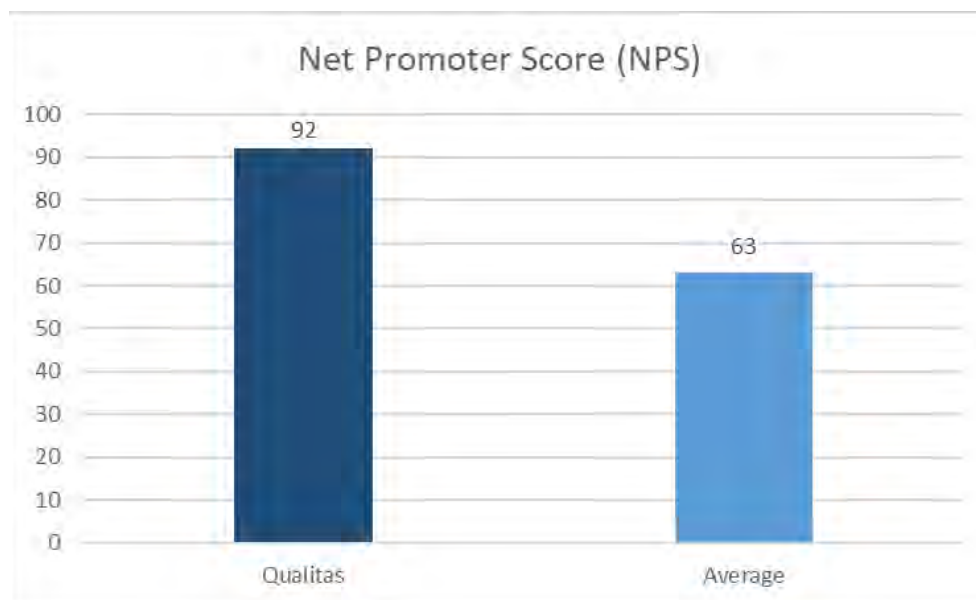
- Access
- Billing
- Overall Satisfaction
- Pharmacy / Staff Performance
- Prescription Fulfillment
- Willingness to Refer Friends or Family Members

Key performance metrics around patient satisfaction were:

- Prompt Call Center Interactions
- Prescription Fulfillment
- Staff Listening Skills and Empathy
- Staff Knowledge of Disease and Medication

The analysis compared other large Specialty Pharmacy Providers Net Promoter scores to the Qualitas Specialty Pharmacy Division. A Net Promoter Score (NPS) is a cross-industry standardized index ranging from -100 to 100 that measures a customer’s overall satisfaction with a company’s product or service, as well as a customer’s loyalty to the brand. Determining an NPS allows for a comparison between specialty pharmacy and other service-oriented organizations in a variety of sectors.

In 2022 RWJBarnabas Health’s Qualitas Specialty Pharmacy Division achieved one of the highest Net Promoter scores among Hospital and Health system-based specialty pharmacies in the United States according to MMIT.

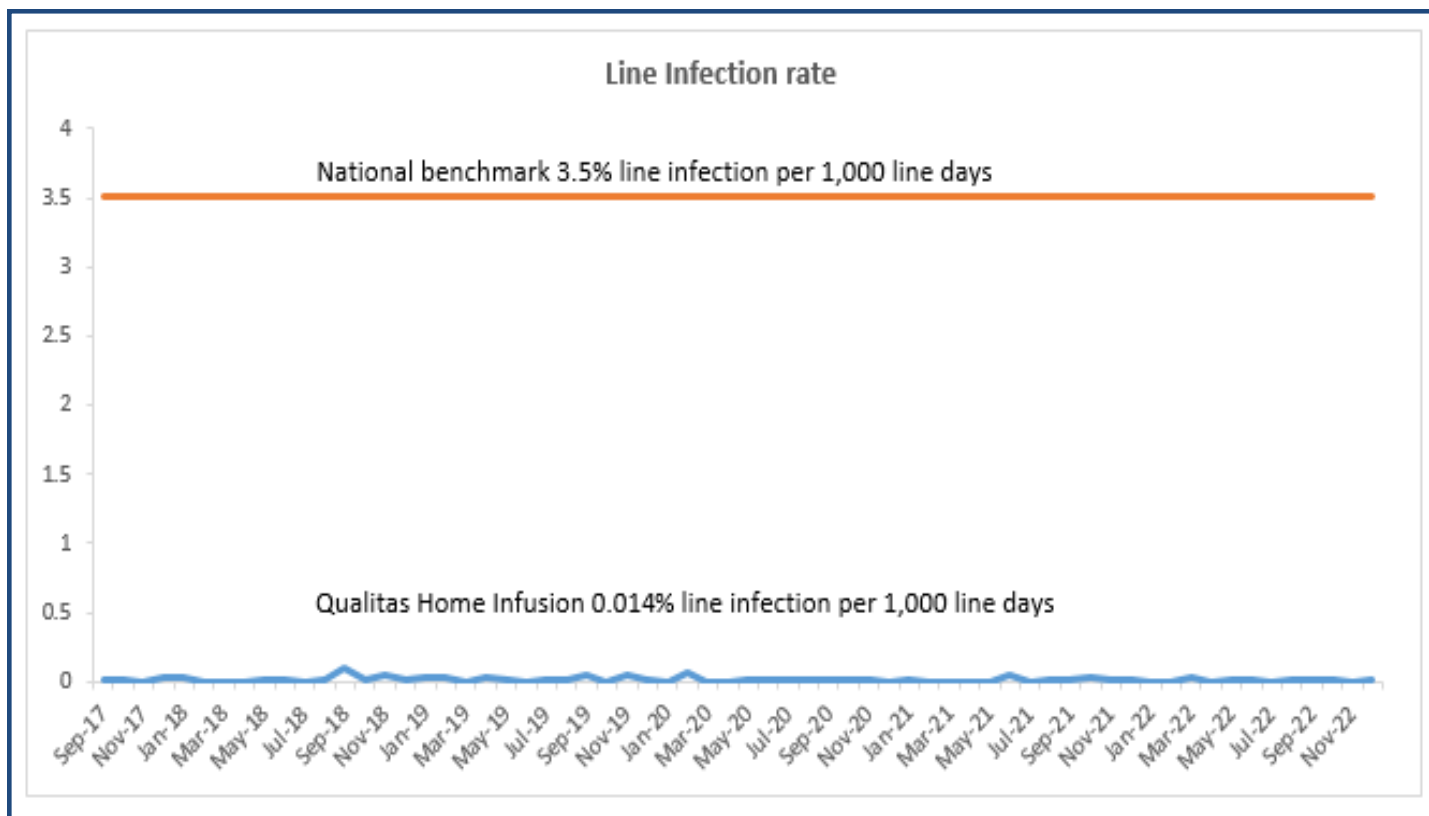


Quality and Safety

Home infusion therapy is a treatment option for patients with a wide range of acute and chronic conditions, ranging from bacterial infections to more complex conditions such as late-stage heart failure and immune deficiencies. Home infusion therapy affords a patient independence and better quality of life, because it is provided in the comfort of the patient's home at a time that best fits his or her needs. It may also reduce the risk of hospital-acquired infections and provide improved safety and better outcomes for patients.

Diseases that may require infusion therapy include infections that are unresponsive to oral antibiotics, cancer and cancer-related pain, dehydration, congestive heart failure, Crohn's Disease, hemophilia, hepatitis, immune deficiencies, multiple sclerosis and rheumatoid arthritis.

The **RWJBarnabas Health** Home Infusion Division through the dedication of its Home Infusion Nurses has maintained strict adherence to the Centers of Disease Control criteria for preventing intravenous line infections. Our nurses have consistently maintained an infection rate that is 18 times below the national benchmark.



Quality and Safety

Maintain Compliance with Intravenous Drug Library at 95%

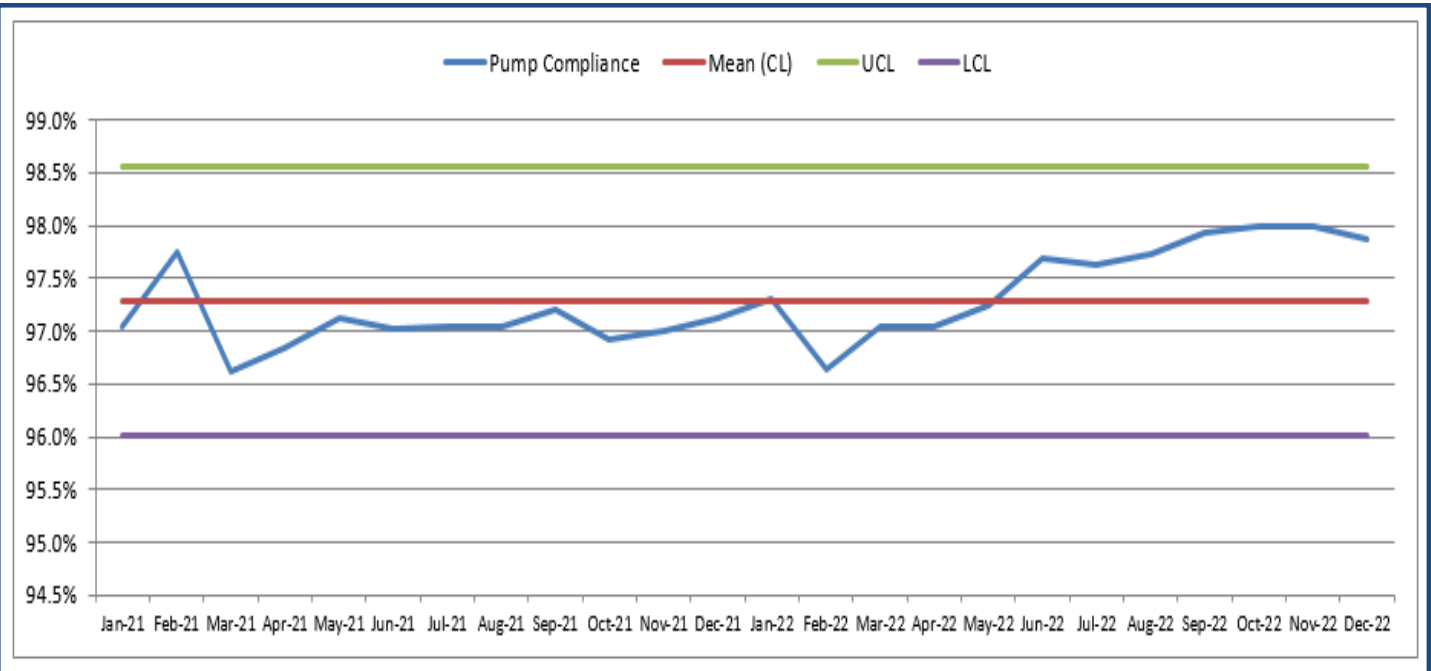
Smart infusion pumps combine computer technology and drug libraries to limit the potential for dosing errors. An infusion pump drug library allows medications to be built within care areas and with minimum and maximum limits to facilitate safe infusion medication administration. A study published in 2016 found that bypassing the smart infusion pump or the drug library accounted for about 10% of the total number of errors or policy violations relating to infusion administration¹. The Joint Commission realized the importance of optimizing utilization of smart infusion pumps and built-in dose error reduction software (DERS) and issued a Sentinel Event Alert in April of 2021.²

RWJBarnabas Health had set a goal to monitor pump compliance beginning in January of 2021 and look for opportunities to optimize the DERS technology. The goal was to ensure compliance with the pump library for 95% of infusions.

RWJBarnabas Health has successfully maintained the compliance goal of 95% for 2021 and 2022. This outcome will continue to be monitored for 2023.

¹Schnock KO, et al. The frequency of intravenous medication administration errors related to smart infusion pumps: A multihospital observational study. *BMJ Quality and Safety*, 2016;26(2):93-94.

² Optimizing smart infusion pump safety with DERS. Sentinel Event Alert. Issue 63, April 14 2021.



Quality and Safety

Monitoring Dosing Compliance for Direct Oral Anticoagulants

For more than 50 years, oral vitamin K antagonists (VKAs) – namely, warfarin – was the anticoagulant of choice for long-term treatment and prevention of arterial and venous thromboembolic events (VTE) as well as for stroke prevention in patients with non-valvular atrial fibrillation (NVAf). Direct oral anticoagulants (DOACs) have grown in popularity over the last decade for patients with NVAf and VTE. DOACs have shown superiority or noninferiority to prior standards of care in reducing risk of thromboembolic complications with similar or reduced bleeding risk. In comparison to conventional treatment with VKAs, DOACs offer many treatment advantages, including fixed dosing, fewer drug and dietary interactions, rapid onset and short half-lives, as well as no monitoring requirement.

DOACs dosing poses many challenges as it varies depending on indication, patient age, renal function, weight as well as concomitant medication. Failure to take these factors into consideration can cause significant patient harm.¹⁻³ In December 2018, the Joint Commission published a national patient safety goal (NPSG) to “reduce the likelihood of patient harm associated with the use of anticoagulant therapy” (NSPG 03.05.01). One of the requirements is that hospitals use “approved protocols and evidence-based practice guidelines...that address medication selection.”⁴

The RWJBarnabas Health (RWJBH) system formulary includes apixaban, rivaroxaban, and dabigatran. Due to the complexity of dosing as well as the high-risk nature of the medication, safety measures like pre-approved order sets are utilized to prevent medication errors. The pharmacy departments across the system have collaborated to update/add to the current practice to assist in ensuring patient safety and quality in ordering DOACs.

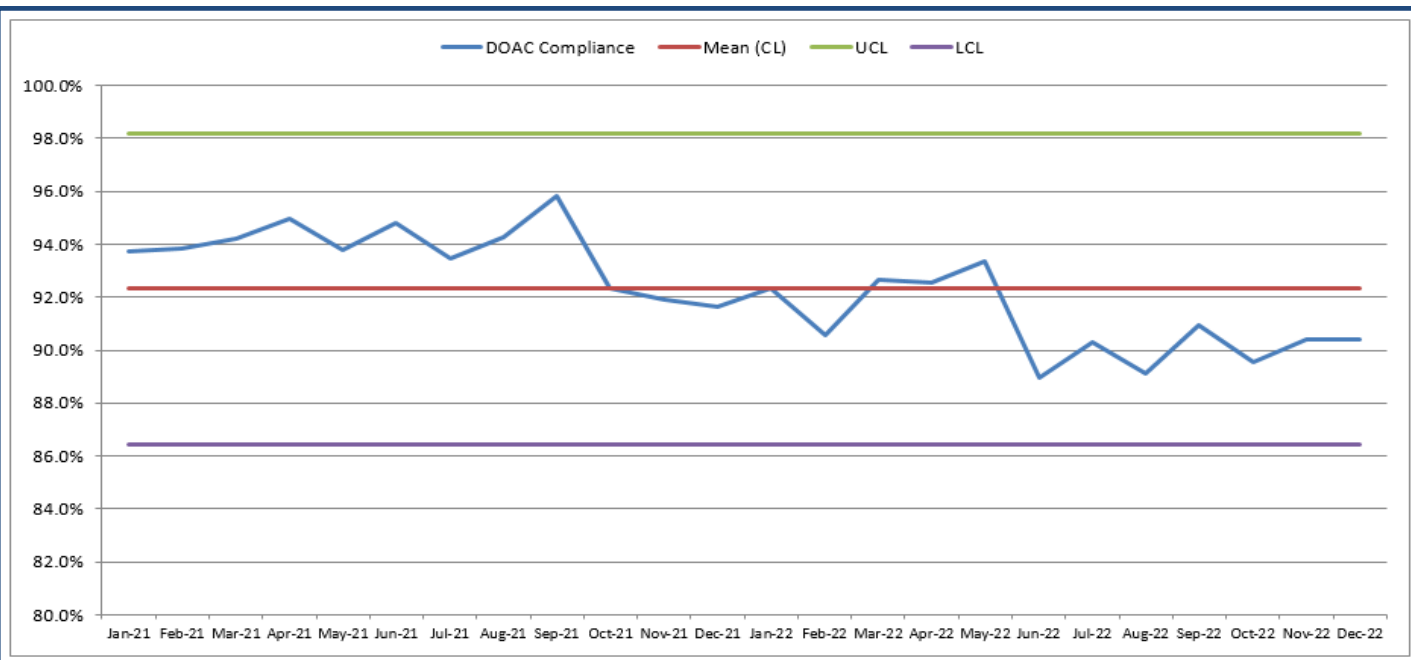
The purpose of this system-wide medication use evaluation is to assess the compliance of DOAC orders with the appropriate indication and dosing recommendation found in the RWJBH order set and the respective package inserts.

¹Chen A, Stecker E, and Warden BA. Direct oral anticoagulant use: a practical guide to common clinical challenges. *Journal of the American Heart Association* 2020;9:e017559.

²Sikorska J and Uprichard J. Direct oral anticoagulants: a quick guide. *Eur Cardiol* 2017;12(1):40-45.

³Ahlert D, Wynn E, and Thomas H. Appropriate DOAC dosing: an evaluation for real world cardiology. *Heart* 2018;104(S6):A28-29.

⁴The Joint Commission. National patient safety goal for anticoagulant therapy. *R3 Report* 2018;19:1-4.



Quality and Safety

Regulatory

The RWJBarnabas Health Pharmacy Enterprise must comply with the regulations of the FDA, CDC, CMS, The Joint Commission (TJC), DNV Health Care, the New Jersey Board of Pharmacy, the EPA, ASHP and the Department of Health

This past year, our Pharmacy Enterprise successfully completed the following internal and external regulatory audits:

340B Internal Review
American Council for Graduate Medical Education
Centers for Disease Control and Prevention
Controlled Substance Internal Compliance Reviews
Dialysis Audit Program
Environmental Protection Agency
Leap Frog Medication Reconciliation
New Jersey Department of Environmental Protection
Occupational Safety and Health Administration
CMS
Multiple TJC Accreditation Visits
New Jersey Department of Health
New Jersey Board of Pharmacy
DNV Healthcare
American Society of Health System Pharmacists PGY1 and PGY2 Accreditation
Health Resources & Services Administration 340B
URAC Measure Data Validation
National Cancer Institute Cancer Therapy Evaluation Program

Quality and Safety

Technology

Over **7,800** safety enhancements were submitted and completed in our Enterprise Clinical Information Systems.

Pyxis 4K to ES 1.6 Upgrade

In 2022, 3 Acute Care Service Line Facilities upgraded Pyxis 4000 to 1.6 including Med and Anesthesia stations. As part of the 4K to 1.6 upgrade, we implemented Active Directory, which allows Pyxis end users to have a single sign-on using their RWJBH network account to access the devices. In addition, we migrated the facilities to the Consolidated ES server (CONS) which involved interdisciplinary collaboration with Corporate IT Security, Corporate IT Server/Network and the PMO teams.

BD C2 Safe Upgrade

The C2 Safe provides the hospitals a secure system that monitors and tracks controlled substances and offers inventory management reports while streamlining regulatory documentation processes. In 2022, 3 Acute Care Service Line facilities (RWJ University Hospital at New Brunswick, Hamilton and Somerset) upgraded their C2 safe from V7 to V9.

BD Drug Diversion Core

Diversion Core is a BD application within BD HealthSight Analytics designed to assist with controlled substance drug diversion investigations. In September 2022, 5 Acute Care Service Line facilities (CBMC, CMC, CMMC, MMC, NBI) went live with Diversion Core. The full Diversion application will be rolled out to all facilities on Pyxis ES in 2023 or post-Epic go-live.

BD Pyxis Logistics Carousels

Acute Care Service Line facility RWJ University Hospital at New Brunswick swapped older medication carousels to 3 new BD Logistics carousels in Q4 2022. The carousels and new software will increase efficiencies and patient safety in the medication inventory process from ordering, receiving, picking and returning of medications for the pharmacy team. Approximately 2100 medications needed to be removed and restocked for a seamless transition from old to new carousels.

Epic Willow

In June 2022, Acute Care Service Line facilities RWJ University Hospital at New Brunswick, Hamilton and Rahway transitioned from their heritage EHR system AllScripts/Sunrise Clinical Manager to Epic Willow. The new clinical information system was implemented to existing departments already on AllScripts along with areas previously documenting on paper or a standalone EHR. Over 70 Pharmacists across the system helped with the backload the day before go-live. A multidisciplinary team assisted with the build and validation efforts leading to a successful go-live for these facilities in Wave 3.

In Q4 2022, Epic_Pyxis Host Conversion testing began with local IT pharmacy and Willow teams for Wave 4 sites (BHBHC, CMC, JCMC, MMC, MSC).

Epic Willow Ambulatory

In October 2022, Clara Maass Medical Center Retail Pharmacy transitioned from QS1 to Willow Ambulatory.

Research and Publications

Research and publication is strongly encouraged at RWJBarnabas Health. Our pharmacists have been doing an increasing amount of research for more than a decade. Pharmacists contribute a unique expertise to the medication-related aspects of patient care, taking personal and professional responsibility for the outcomes from the pharmaceutical care they provide to patients. Improvements in medication therapy (from safety, efficacy, and cost perspective) depend on new knowledge generated by scientific research. Health-system pharmacists have a professional obligation to participate actively in and increase pharmacy related and drug-related research efforts.

In 2022, **The Pharmacy Enterprise** completed **28** peer reviewed manuscripts, book chapters, guidelines and articles.

In 2022, **The Pharmacy Enterprise** completed **7** non-peer reviewed manuscripts, book chapters, guidelines and articles.

A total of **19** abstracts were created and presented at local, national and international meetings

Members of our team serve as reviewers for the following publications

- American Journal of Managed Care
- American Journal of Pharmaceutical Education
- Annals of Pharmacotherapy
- ClinicoEconomics and Outcomes Research
- Current in Pharmacy Teaching and Learning
- Expert Opinion on Drug Discovery
- Expert Opinion on Pharmacotherapy
- International Journal of Environmental Research and Public Health
- Journal of Pharmacy Practice
- Mental Health Clinician
- North American Center for Continuing Medical Education
- Pharmacist's Letter
- Pharmacy Times
- Prescriber's Letter

Manuscripts, book chapters and articles were published in the following periodicals

- American Journal of Health-System Pharmacy
- American Journal on Addictions
- Clinical Infectious Diseases
- Critical Care Explorations
- Current Opinion in Toxicology
- Geriatrics Practice and Research Network (PRN)
- Hematology Oncology Pharmacy Association News
- International Journal of Infectious Disease
- Journal of Laboratory and Precision Medicine
- Journal of Medical Virology
- Journal of Pharmaceutical and Biomedical Analysis
- Journal of Pharmacy Practice
- Journal of Physician Assistant Education
- Journal of the American College of Clinical Pharmacy
- Maryland Pharmacists' Association Newsletter
- Nursing
- Nutrition in Clinical Practice
- Open Forum Infectious Diseases
- Pharmacotherapy
- Pharmacotherapy: The Journal of Human Pharmacology and Drug Therapy
- Pharmacy
- Pharmacy Times
- Psychiatry Research Case Reports
- SAGE Open Medicine
- The American Journal on Addictions
- The Journal of Physician Assistant Education



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