

Duke University Health System

Department of Pharmacy Fiscal Year 2022 Annual Report



A Message from the Chief Pharmacy Officer

It is my pleasure to present to you the Fiscal Year 2022 report for the Department of Pharmacy. This annual report highlights the exceptional work the Duke Pharmacy team does to care for our patients. This past year was another difficult one to navigate given the many challenges we are facing in healthcare. I am extremely proud of the resiliency and determination of our pharmacy team. We did not waiver in our commitment to care for our patients, our loved ones, and each other. In the support of our vision to be a global leader in pharmacy care, our team supported scholarship and research activities with 59 peer reviewed publications, grants, and abstracts presented. In support of our mission to deliver exceptional pharmacy service for a healthier tomorrow, our Population Health team made 8,620 patient, caregiver, and team member contacts to optimize medication therapy and patient care.

As we did our part to continue to help battle the COVID-19 pandemic, we prepared and administered 56,000 COVID-19 vaccines and distributed another 105,000 vaccine doses to our community providers and local public health departments. The Duke Compounding Facility prepared more than 660,000 sterile products to support patient care across DUHS. Our Investigation Drug Service had a productive and impactful year managing 638 active protocols. The Duke Children's Hospital and Health Center pharmacy team prepared 334,000 oral syringes and compounded 284,000 IV medications for our pediatric patients. The inpatient pharmacy team dispensed and stocked 9,000,000 million medication doses in our automated dispensing cabinets.

To continue to focus on being good stewards of our resources while managing the additional financial pressures of the pandemic, the Pharmacy Utilization Management Program (PUMP) realized \$6,700,000 in savings across the health system. Through our pharmacy contracting efforts, the team generated another \$5,100,000 in savings. In support of our formulary and medication management efforts, the Center for Medication Policy coordinated 100 medication formulary reviews and the Medication Safety group investigated over 7,100 adverse drug events.

As we continued to focus on providing excellent pharmacy services across the continuum of care, the Duke Home Care and Hospice pharmacy team made 26,000 medication deliveries to our patients at home. The Outpatient and Retail Pharmacy teams filled 492,000 prescriptions. They enrolled 7,500 patients in patient assistance programs to make their medications more affordable. The Retail Pharmacy team through our system Meds to Beds Program delivered 23,600 prescriptions to the bedside, putting crucial medications in the hands of our patients and providing medication education at the time of discharge.

These are just some highlights of the many accomplishments the DUHS Pharmacy Team had in Fiscal Year 2022. We have much to celebrate. I thank you all for your exceptional work. I am extremely proud of you for your perseverance, dedication, and contributions to the care of our patients.

We look forward to the new challenges which are ahead of us. We will continue to focus on system integration and alignment as we are *One Pharmacy, One Team, One Standard of Care for all Patients*.

Sincerely,

Bryan E. Yourich, PharmD

Chief Pharmacy Officer, Duke University Health System

Vision

To be a distinguished global leader in pharmacy care

Our Team



411

Pharmacists

393

Pharmacy
Technicians

24

Pharmacy
Residents



Our Hospitals

1,622

Hospital beds

38

Pharmacy locations



Scholarship & Research

59

Peer-reviewed
publications, grants,
and abstracts presented

Mission

We deliver exceptional pharmacy services for a healthier tomorrow

Population Health

Duke Primary Care pharmacists improved metric outcomes by:

16.6% for hypertension

21% for diabetes

12.8% for cardiovascular disease

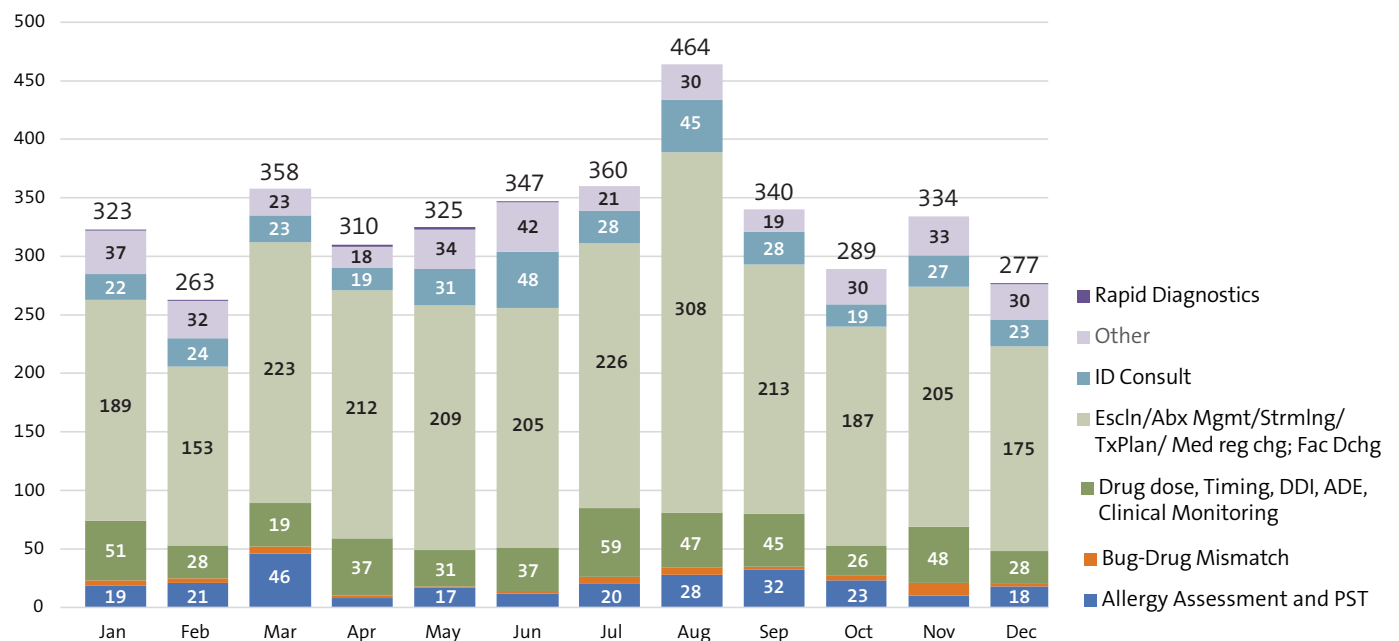
8,600 patient, caregiver, and other team member contacts to optimize medication or care

1,190 provider referrals and 157 e-consults from Duke Primary Care sites

218 patients enrolled in new chronic care management pharmacist billing for Duke Primary Care

Infectious Diseases and COVID-19 Response

Total Interventions: 3,990



56,000 COVID-19 vaccine doses prepared and administered

105,000 COVID-19 vaccines delivered to community providers and public health departments

Duke Compounding Facility

666,000 compounded sterile products

33,000 non-sterile compounds

Investigational Drug Services

638 active protocols

10,800 active dispenses

Pharmacy Utilization Management Program (PUMP)

\$6,700,000

in savings realized



Duke Children's Hospital and Health Center

#1 Ranked Children's Hospital in North Carolina

262 pediatric beds

584,000 orders processed

334,000 oral syringes prepared

284,000 IV medications prepared

10,000 total parental nutrition orders processed

10,800 interventions (iVents)

25 Children's Health Center pediatric specialties

Duke HomeCare and Hospice

16,000 visits

26,000 medication deliveries

156,000 compounded doses



Supported design and construction of the first fully autonomous pediatric central pharmacy in Duke Central Tower scheduled to open in fall 2023

Medication Policy and Safety

- 100 medications reviewed for formulary
- 30 medication policy reviews
- 30 medication guideline reviews
- 27 drug shortage action plans implemented
- 240 pharmacists and 71 pharmacy technicians participated in medication safety reporting
- 7,100 adverse drug events were investigated
- 39% of reports deemed "good catches"
- 259 significant and meaningful actions resulted from preventable adverse drug event reporting

Duke University Health System Pharmacy Services

DUHS Acute Care Pharmacy Services

2.8 million doses dispensed

188,000 interventions (iVents)

16,000 pharmacokinetic consults

34,000 medication histories

6,500 discharge medication reconciliations

7 unit moves

4 new inpatient units opened

60 total new beds in expanded coverage

DUHS Outpatient Pharmacy Services

96.2% patient satisfaction score

492,000 prescriptions dispensed

\$182,000,000 in revenue generated

7,500 patients enrolled in patient assistance program

27,000 prior authorizations

7,400 specialty discharge prescriptions delivered

23,600 Meds-to-Beds prescriptions delivered

DUH Inpatient Pharmacy Services

916,000 doses dispensed

1.8 million liquid and solid oral unit doses repackaged

9 million automated dispensing cabinet doses restocked

682 code cart exchanges

1.2 million compounded sterile products prepared



Pharmaceutical Contracting

\$5.1 million estimated savings from local and GPO contracts

\$6.4 million in pharmaceutical rebates negotiated and processed

202,000 flu vaccine doses managed for patients and employees

626 pharmaceutical recalls reviewed

80+ contracts managed across 130+ suppliers

4 contracts for novel immunotherapies negotiated and managed

Our Leadership Team



From Left; Back Row: Gene Rhea, Bryan Yourich, Benjamin Smith, Kriss Petrovskis, Tyler Vest, Aaron Will, Evan Frasure, Matt Kelm, Bonnie Bass, Nicole Panosh and Tracy Stillwell



Sherry DeLoach



Stephen Odell



Kuldip Patel



Rebecca Richmond



Lynn Whitt



Duke Pharmacy