AUTOMATION, INNOVATION AND TECHNOLOGY

• Akron increased medications dispensed from automated dispensing cabinets by 17%.

• Taussig Cancer Center, Twinsburg, Strongsville and Willoughby Hills oncology centers implemented an APOTECA waste module to aid in high-cost medication management and minimize waste.

• Fairview added APOTECA gravimetric technology for hazardous and chemotherapy preparations for inpatients.

EXPANSION OF PHARMACY SERVICES

Leveraging Technology for Optimization

• Pharmacists started responding to inpatient 2CLOT stroke alerts reducing turnaround time for tPA by 25 minutes and responding on average to 9 stroke alerts per day.

• Main campus pharmacists provided interventions for medical therapy in 30% of 2CLOT alerts.

• Avon’s emergency department and intensive care unit increased use of the Sepsis Alert Checklist by 40%.

WHO WE ARE

673 Pharmacists
572 Technicians
63 Pharmacy Residents
1,072 APPE/IPPE Student Rotations Completed
75 Peer-Reviewed Publications
104 Platform Presentations
129 Poster Abstracts
5,932 Total Hospital Beds

FACTS & FIGURES

Our Vision: To be the world leader in pharmacy practice.

Our Mission: To provide patient-focused pharmacy practice across the continuum of care through innovation, education and research.

AUTOMATION, INNOVATION AND TECHNOLOGY

• Fairview decreased medication turnaround times by 10% through restructured automated dispensing cabinet replenishments and delivery processes.

• Main campus decreased patient-specific doses sent from pharmacy by 37%, avoiding an average of 830 medications being sent directly from pharmacy per day.

2020 CC PHARMACEUTICAL PURCHASES

1.29 Billion

Ambulatory (168) 13%
Specialty (220) 17%
Inpatient (347) 27%
Other (39) 7%
HOP/Clinic (465) 36%

Source: Pharmacy Purchasing Datawarehouse YTD through Q4 2020

APOTECA ROBOT ADVANCEMENT

Cleveland Clinic main campus

EXPANSION OF PHARMACY SERVICES

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2020 PHARMACY
EXPANSION OF PHARMACY SERVICES continued

- London on-boarded 40 pharmacy caregivers.
- Abu Dhabi expanded oncology preparations by 40%.
- Avon increased facility-based medication history capture rate by 30.3%, aiding in the early identification of 8.5 medication discrepancies per patient.
- Akron General completed renovations of three infusion centers to standardize safety procedures.

COVID-19 TREATMENT & PREVENTATIVE MEASURES

Ambulatory Care

- Drive through INR to COVID-19 positive patients and patients not wishing for in-person appointments.
- Specialty pharmacists provided over 550 interventions on prescriptions for medication therapy and cost savings.
- Pharmacists, pharmacy students and pharmacy technicians set up a notification call back service for patients who tested negative for COVID-19 within two days of testing implementation.
- Developed a chronic disease management outreach program during the pandemic answering over 1100 drug information questions and assessing symptoms of COVID-19.
- Ambulatory services implemented pre-surgical testing kits that were able to be picked up and dropped off by patients.
- Outpatient pharmacies across the enterprise dispensed over 1.3M prescriptions and pharmacists administered over 4,300 immunizations.

Inpatient Services

- The department of pharmacy collaborated with Cleveland Whiskey to produce over 10,000 bottles of hand sanitizer and over 100 gallons of refill jugs during the extreme hand sanitizer shortage.
- Our main campus IV room prepared over 250,000 COVID-19 testing kits.
- Marymount implemented a monoclonal antibody infusion clinic to provide a novel treatment for COVID-19 patients.
- Collaborated within the enterprise to complete COVID-19 projects including:
  › Developed new medication recipes in Epic to aid in treatment of COVID-19.
  › Created central and overstock storage locations for PPE and medications to allow for ease of access and prevent shortages.
  › Automated reports for the COVID-19 critical medication dashboard.

HOPE Hospital

- Assembled over 44 Pyxis machines and medication storage locations that would serve over 1,000 patients.

REVENUE AND COST SAVINGS

Pharmacy Enterprise Savings

- Abu Dhabi decreased the insurance denial rate to 3.3%.
- $30M in overall savings from the conversion of oncology biosimilars.
- New process for prescription procurement has amounted to $5.96M additional savings.
- Atezolizumab ES-SCLC Cost Savings Contract resulting in greater than $500,000 annualized cost savings.
- Medina’s implementation of continuous improvement projects led to a savings over 4463 hours and over $10,000.
- $1.5M cost avoidance resulted from specialty pharmacist intervention.

340B Savings

- Main Campus had $109.4M in savings compared to a projected budget of $67.5M.
- New process within specialty pharmacy for prescription procurement resulted in an additional savings of $5.96M.
- $32.9M obtained in earnings before interest, taxes, depreciation, and amortization (EBIDA) compared to budget of $16M.
- Akron General converted to rural referral center and exceeded projections, providing a savings of $23M COGS.
- South Pointe reinstated 340B status resulting in over $1M in savings.
- Fairview saved $19.5M exceeding budget by $5M.
- Over $153M drug discount program savings provided to the enterprise.

EHP Savings

- Delivered a per-member per-month net cost $30.01 lower than other hospital employers in our pharmacy benefit manager’s book of business.
- Enterprise wide savings of $13.7M through the EHP’s dispensed days’ supply market share of 92% captured by Cleveland Clinic pharmacies.
- Achieved generic prescription dispensing rates of 90% for active employees and 89% for Medicare Part D retiree population.
- 108,000 caregivers enrolled in Employee Health Plan and Retiree Health Plan Pharmacy Benefit Program.