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Background and

- The three-year family medicine residency program is comprised of twelve residents p pharmacists. Medical residents impact numerous patients in the community through s inpatient pharmacy team is comprised of two-dozen pharmacists and four pharmacy i throughout the year.
- The residency program did not have a formal pharmacotherapy curriculum, although there is limited accreditation guidance on the scope of drug knowledge that family me training.
- Faculty family physicians requested pharmacists develop and deliver complementary settings to reinforce management of common disease states.
- The primary objective was to develop a pharmacotherapy curriculum for family medic programmatic framework.
- Fifty-five longitudinal sessions covering four unique categories were delivered to 84 family medicine residents by individual hospital and resident pharmacists.
- pharmacists from both practice settings. *Experiential pharmacy students were involved in delivering all education provided by academic ambulatory care pharmacists.



Education Distribution

CC (critical care), HF (heart failure), HTN (hypertension), ID (infectious disease), GI (gastrointestinal), GU (genitourinary), SSTI (skin soft tissue infections), PRN (as needed), PTx (pharmacotherapy) *Retail pharmacy pearls, evidence-based assessment of gastric acid suppressing agents, medication-related electrolyte abnormalities and fluid resuscitation, diabetic ketoacidosis, and hyperglycemic hyperosmolar state

Resources: 1.) Bajcar J, Kennie N, Iglar K. Teaching pharmacy (AACP). 2022. <u>https://www.aacp.org/resource/entrustable-professional-activities-epas.</u> 3.) Accreditation Standards and Key Elements for the Professional Activities for New Pharmacy Degree. 3.) Accreditation Standards and Key Elements for the Professional Program in Pharmacy Degree. 3.) Accreditation Standards and Key Elements for the Professional Program in Pharmacy Leading to the Doctor of Pharmacy Degree. 3.) Accreditation Standards and Key Elements for the Professional Activities for New Pharmacy Degree. 3.) Accreditation Standards and Key Elements for the Professional Program in Pharmacy Degree. 3.) Accreditation Standards and Key Elements for the Professional Program in Pharmacy Degree. 3.) Accreditation Standards and Key Elements for the Professional Program in Pharmacy Degree. 3.) Accreditation Standards and Key Elements for the Professional Program in Pharmacy Degree. 3.) Accreditation Standards and Key Elements for the Professional Program in Pharmacy Degree. 3.) Accreditation Standards and Key Elements for the Professional Program in Pharmacy Degree. 3.) Accreditation Standards and Key Elements for the Professional Program in Pharmacy Degree. 3.) Accreditation Standards and Key Elements for the Professional Program in Pharmacy Degree. 3.) Accreditation Standards and Key Elements for the Professional Program in Pharmacy Degree. 3.) Accreditation Standards and Key Elements for the Professional Program in Pharmacy Degree. 3.) Accreditation Standards and Key Elements for the Professional Program in Pharmacy Degree. 3.) Accreditation Standards and Key Elements for the Professional Program in Pharmacy Degree. 3.) Accreditation Standards and Key Elements for the Professional Program in Pharmacy Degree. 3.) Accreditation Standards and Key Elements for the Professional Program in Pharmacy Degree. 3.) Accreditation Standards and the Professional Program in Pharmacy Degree. 3.) Accreditation Standards and the Professional Program in Pharmacy Degree. Accreditation Council for Pharmacy Education (ACPE). 2016. <u>https://www.acpe-accreditation/accreditation/accreditation/residency-program-accreditation/accre</u>

Collaborative Development and Implementation of a Pharmacotherapy Curriculum Within a Family Medicine Residency Program

Objective		
ber class, a dozen full-time physicians, and two academic ambulatory care bervices provided at an outpatient clinic and a level one trauma center. The residents. Medical and pharmacy students rotate at both practice sites		 The curresident Pharma medical
the need for such education has historically been advocated. ¹ Additionally, edicine residents should develop throughout post graduate medical education	,	• Inpatien interact delivere
medication-focused education to medical residents across two practice		• All edu program
cine residents that integrated evidence-based education into the existing		• Protess

Results

• Seventy-six didactic lectures covering twenty unique categories were delivered to 101 family medicine residents by individual hospital, resident, academic ambulatory care pharmacists, or were team taught by

Methods

rriculum was informed by medical coding and literature identifying prevalent conditions managed by the family medicine

acists and faculty family physicians collaborated to develop, schedule, and deliver monthly pharmacotherapy education to I residents in two unique formats and settings.

nt education entailed 30-minute in-person informal longitudinal sessions encompassing a flipped classroom model with tive game-based learning and patient case scenarios. Outpatient education entailed 45-minute in-person and virtually ed formal didactic presentations focused on guideline directed therapy and patient case scenarios. cational content was repeated to expose medical residents to information 2-3 times throughout the three-year training

sional framework² and standards^{3,4} guided alignment of educational development and delivery by pharmacy team members.

- Creation and delivery of the curriculum across practice sites required extensive pharmacist collaboration.
- Education afforded medical residents heightened visibility and awareness of pharmacist contributions to patient care and strengthened collaboration and interprofessional relationships between pharmacists and medical residents.
- Additionally, medical residents gained drug therapy troubleshooting knowledge through pharmacist demonstrated application of drug databases and formularies to clinical practice.

Future Considerations

Conclusions

- Pharmacotherapy curriculum should be designed to complement the patient population served and address the needs of graduate medical program learners and interprofessional team members.
- Adequate administrative staff should be dedicated across sites to schedule, cycle, coordinate lecture content and lecturers, manage modes of delivery, and formally evaluate residents to gauge perceived educational value.
- The lecture schedule should include reserved dates for flexibility to adapt the curriculum to evolving learner needs.
- Residency programs should establish desired educational outcomes and measurability, determine if education is required or supplemental learning, and consider various modalities of content delivery (e.g., live in-person and/or virtual, recorded, etc.).
- Pharmacists should utilize pertinent professional frameworks and standards to guide curriculum development and education delivery and to assess achievement of pre-determined goals.

