2540. Targeting ID Education for Advanced Practice Providers: A Growing Learning Group in Academic Medical Centers
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Session: 266. Medical Education: Medical School to Practice
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Background. Advanced Practice Providers (APPs), including nurse practitioners (NPs) and physician assistants (PAs), increasingly provide patient care in inpatient settings at academic medical centers. However, little is known about their educational needs. We sought to describe current APP educational experiences at our institution and to implement and evaluate an educational intervention aimed at decreasing inappropriate antimicrobial use for asymptomatic bacteriuria (ASB) amongst this group.

Methods. 33 inpatient-based APPs participated in the educational intervention consisting of in-person sessions and an online video reviewing diagnosis and management of ASB. Pre- and post-intervention surveys assessed knowledge before and after the intervention. Surveys also assessed APPs educational background, opportunities, and barriers.

Results. 17 APPs completed the pre-intervention survey. 59% estimated less than 10 hours of antimicrobial education during their training. 88% reported that the majority of their current learning is independent. All APPs reported desiring more educational opportunities. 76% felt current opportunities are designed for medical students or housestaff. Commonly reported barriers included patient care, rounding obligations, and lack of protected time. 8 APPs attended the in-person sessions and there were 21 views of the online video. 10 APPs completed the post-intervention survey. All reported interest in similar sessions in the future. 70% planned to prescribe fewer antimicrobials for ASB; however, the same number also reported “Attending or fellow decision” as the main barrier to decreasing prescriptions. Mean knowledge scores significantly increased after the intervention from 2.5 to 4.125 (P < 0.05).

Conclusion. APPs within an academic medical center have unique educational backgrounds and needs. APPs identified current educational opportunities as student/resident directed and incompatible with their work schedules. More APPs utilized the video session than attended in-person lectures. This intervention improved immediate knowledge acquisition; however, retention and impact on clinical outcomes are still being evaluated.

Disclosures. All authors: No reported disclosures.

2541. Impact of a Combined Infectious Disease-Critical Care Medicine (ID-CCM) Track on Fellowship Recruitment
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Background. There has been a declining national trend in recent years of resident applications to Infectious Disease (ID) fellowship programs. This dearth of interested and available applicants has resulted in many programs failing to fill some or all of their fellowship slots. Our ID fellowship program, founded in 2013 at Allegheny General Hospital, had met with similar difficulties.

Methods. To increase the recruitment pool of candidates and combat the challenge to fill our positions, we incorporated a combined 3-year ID-Critical Care Medicine (CCM) track in 2016, initially with one of our two annual fellowship slots allotted to this track. This entailed a collaborative effort between the ID and CCM Divisions, an internal application completion outlining the need and rationale for this combined program, and finally, approval from the institutional as well as the Accreditation Council for Graduate Medical Education (ACGME).

Results. The number of applicants interviewed from 2013 to 2016 for ID (pre-inception of the ID-CCM track), as well as those for ID, ID-CCM, or those interviewing for both tracks following 2016, were counted. We noted a consistent increasing trend in the numbers of applicants interviewing for both ID and ID-CCM, as well as those interviewing for both ID, ID-CCM, or those interviewing for both ID and ID-CCM. The increasing trend continued in 2019. ID only applicants have decreased over the same period.

Conclusion. Implementation of a combined ID-CCM fellowship program proved to be a viable strategy to increase the number of applicants at our institution. Given the success of this program, we have expanded the combined-track to both positions. As the first fully-integrated ID-CCM fellowship program in the country, we may be pioneering this novel training pathway for future physicians.

Disclosures. All authors: No reported disclosures.

2542. ID-Psych Addiction Rounds: A New Model to Address Opioid Use Disorder For Patients on the Infectious Disease Consult Service
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Background. ID physicians often treat the infectious sequelae of opioid use disorder (OUD) in hospitalized patients to substance use resources. In a large safety net hospital, we launched a multi-disciplinary initiative to ensure that patients on the ID consult service with OUD were always offered medication-assisted treatment (MAT). We used infections as “sentinel” events to identify patients and initiate MAT, which aimed to identify and treat OUD and described the clinical characteristics of the high-risk patient population jointly consulted by ID and Psychiatry teams. This healthcare workforce initiative aimed to expand the role of ID providers in the opioid epidemic and decrease barriers to buprenorphine prescribing.

Methods. Every 2 weeks, ID fellows identified patients on their consult lists with infectious complications of OUD. Focused discussions were then held with the Psychiatry service and discussion of each patient continued at subsequent case conferences with attention paid to re-engaging those lost to follow-up. We performed chart abstraction of demographic and clinical characteristics as part of a quality improvement initiative.

Results. From October 2018 to March 2019, 23 patients were discussed at 10 case conferences with input from attendings, fellows, housestaff, social workers, and representatives from a novel Primary Care Safety Net program. The average patient age was 41 (32–60) years. Patients were predominantly male (65%) with high rates of HIV (22%) and untreated HCV (40%). ID-related infections included endocarditis (33%), osteomyelitis (31%), skin and soft-tissue infections (17%) and spinal abscesses (17%). The median time for a patient to be presented at an ID-Psych Addiction Rounds was 7 days (4.5–11.5). The mean length of hospitalization was 30 days (range 2–112). MAT was initiated in 75% of patients (41% buprenorphine; 59% methadone). The 30-day lost to follow-up rate was exceedingly high, with 80% of post-hospital appointments being missed.

Conclusion. ID physicians can effectively link hospitalized patients with OUD to substance use resources. A multi-disciplinary approach is key to addressing the opioid epidemic. Future work should explore how to create effective post-hospital transitions to decrease those lost to follow-up.

Disclosures. All authors: No reported disclosures.

2543. Implementation of a Fellow-Driven B-Lactam Allergy De-Labeling Initiative on an Inpatient ID Consult Service
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Session: 266. Medical Education: Medical School to Practice
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Background. Approximately 10% of patients in the US report a penicillin (PCN) allergy, but more than 90% can safely receive β-lactam (BL) antibiotics. Having a reported BL allergy (BLA) is associated with increased length of stay, cost of care, adverse events, and mortality. As part of our institutional quality improvement incentives program for graduate medical trainees, the Infectious Diseases (ID) and Allergy/Immunology (AI) fellows implemented a protocol-driven approach to BLA evaluation. We sought to evaluate the success of this implementation.

Methods. This is a pre–post investigation of our BLA protocol. As an initial pilot project, fellows de-labeled all BLAs for acute and chronic inpatients. The majority of patients had a history of penicillin allergy, but more than 90% can safely receive β-lactam antibiotics. Having a reported BL allergy is associated with a variety of negative outcomes.

Results. From October 2018 to March 2019, 23 patients were discussed at 10 case conferences with input from attendings, fellows, housestaff, social workers, and representatives from a novel Primary Care Safety Net program. The average patient age was 41 (32–60) years. Patients were predominantly male (65%) with high rates of HIV (22%) and untreated HCV (40%). ID-related infections included endocarditis (33%), osteomyelitis (31%), skin and soft-tissue infections (17%) and spinal abscesses (17%). The median time for a patient to be presented at an ID-Psych Addiction Rounds was 7 days (4.5–11.5). The mean length of hospitalization was 30 days (range 2–112). MAT was initiated in 75% of patients (41% buprenorphine; 59% methadone). The 30-day lost to follow-up rate was exceedingly high, with 80% of post-hospital appointments being missed.

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Disclosures. All authors: No reported disclosures.

2544. An Exploratory Study of Resource Utilization by Practitioners When Managing Infections
Emily Abdole, MD1; Katherine Gruenenberg, PharmD2; Brian Schwartz, MD3
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