

Resident Projects

Class of 2026

Alexis McCarthy, PharmD PGY2 Critical Care Resident	MUE: Pharmacologic management of NSTEMI and type II MI in the ICU Research: Effect of corticosteroids on vasopressor duration in trauma-induced relative adrenal insufficiency
Camille Kirkland, PharmD PGY2 Emergency Medicine Resident	MUE: Factor replacement product use in the ED Research: Antibiotic selection in community acquired pneumonia and documented penicillin allergies
Chris Bunk, PharmD PGY1 Pharmacy Resident, Acute Care	MUE: Trauma venous thromboembolism prophylaxis on discharge Research: Effect of esmolol on reducing heart rate in patients diagnosed with an acute aortic dissection
Andre Zibner, PharmD PGY1 Pharmacy Resident, Acute Care	MUE: Evaluation of fidaxomicin prescribing in the treatment of Clostridioides Difficile infection Research: Effect of intravenous insulin bolus and infusion versus continuous infusion alone on diabetic ketoacidosis outcomes in the ED (INVOKE)
Madison Martin, PharmD PGY1 Pharmacy Resident, Ambulatory Care	MUE: Evaluation of prescribing trends for heart failure patients in the ambulatory setting Research: Impact of hypercoagulable powerPlan in the Inpatient Setting

Class of 2025

Brooke Johnson, PharmD PGY2 Critical Care Resident	MUE: Evaluation of methylene blue in adult patients with vasopressor resistant vasodilatory shock Research: Phenobarbital vs. benzodiazepines for alcohol withdrawal syndrome in critically ill patients
Jessica Cowden, PharmD PGY2 Pain Management & Palliative Care Resident	MUE: Evaluation of ketorolac use in the post-orthopedic surgery population Research: Impact of standardized compassionate terminal extubation order set implementation
Camille Kirkland, PharmD PGY1 Pharmacy Resident, Acute Care	MUE: Linezolid use in a large academic medical center Research: Blood pressure variability in ischemic stroke patients status-post thrombectomy
Tara Mapes, PharmD PGY1 Pharmacy Resident, Acute Care	MUE: Time to venous thromboembolism prophylaxis in patients with nontraumatic intracerebral hemorrhage Research: Midodrine in the prevention of ICU admission

Class of 2024

Jose Lugo Martinez, PharmD PGY2 Critical Care Resident	MUE: Transition from continuous to subcutaneous insulin in critically-ill patients Research: Intermittent vs. continuous proton pump inhibitor therapy pre-endoscopy
Natalia Figueroa, PharmD PGY2 Emergency Medicine Resident	MUE: Implications of staphylococcus non-aureus blood culture positivity Research: Impact of paralytic choice on time to post-intubation analgesedation
Micaleigh Noll, PharmD PGY2 Pain Management & Palliative Care Resident	MUE: Evaluation of opioid analgesic agent use in pediatric sickle cell patients Research: Enhanced recovery after surgery (ERAS) driven protocol vs. conventional management after colorectal surgery
Jessica Cowden, PharmD PGY1 Pharmacy Resident, Acute Care	MUE: Albumin use post-paracentesis in the ED Research: Effects of morphine to fentanyl interchange in PACU order sets
Ana-Maria Diaz, PharmD PGY1 Pharmacy Resident, Ambulatory Care	MUE: Evaluation of guideline adherence in patients on multiple antithrombotic therapy and use of gastrointestinal prophylaxis Research: Impact of pharmacist inhaler prescribing at discharge for chronic obstructive pulmonary disease on readmission rates

Class of 2023

Kathryn Albert, PharmD PGY2 Critical Care Resident	MUE: Valproic acid use in critically ill trauma patients Research: Time to resolution of DKA with Lactated Ringer's vs. normal saline
Jennifer Atherton, PharmD PGY2 Emergency Medicine Resident	MUE: Fosfomycin use in the ED Research: Impact of desmopressin on intracranial hemorrhage expansion in patients on antiplatelet therapy
Micaleigh Noll, PharmD PGY1 Pharmacy Resident, Acute Care	MUE: An evaluation for tacrolimus monitoring at a non-transplant community hospital Research: Evaluation of pain management strategies in cesarean delivery
Alexa Rodriguez, PharmD PGY1 Pharmacy Resident, Acute Care	MUE: Lorazepam use for status epilepticus in the ED Research: Utility of MRSA nares PCR for non-respiratory cultures in critically-ill patients
Namitha Vellian, PharmD PGY1 Pharmacy Resident, Ambulatory Care	MUE: Evaluation of discharge medications for patients with an A1c $\geq 10\%$ during hospitalization Research: In-home vs. in-clinic warfarin monitoring

Class of 2022

Mary Tremaine, PharmD PGY2 Critical Care Resident	MUE: Combating antibiotic resistance: evaluating use of meropenem in the ICU Research: Ketorolac vs. diclofenac patches for isolated rib fractures
Christopher Snider, PharmD PGY2 Emergency Medicine Resident	MUE: Vancomycin use for skin and soft tissue infections in the ED Research: Impact of outpatient adrenergic antagonist use on epinephrine resistance in anaphylaxis
Kathryn Albert, PharmD PGY1 Pharmacy Resident, Acute Care	MUE: SIRS and septic shock alert evaluation Research: Implementation of a pharmacist toxicology service on treatment of paracetamol (acetaminophen) overdose
Alyssa Santiago, PharmD PGY1 Pharmacy Resident, Acute Care	MUE: Evaluation of sodium zirconium cyclosilicate for inpatient treatment of hyperkalemia Research: Robotic hysterectomy outcomes pre and post order set changes
Ellen Murphy, PharmD PGY1 Pharmacy Resident, Ambulatory Care	MUE: Evaluation of admission medication reconciliation in the inpatient setting Research: Evaluation of unfractionated heparin in obese vs. non-obese venous thromboembolism patients

Class of 2021

Patrick Condon, PharmD PGY2 Critical Care Resident	MUE: Evaluation of an ICU sepsis alert in critical care medicine patients Research: Evaluation of unfractionated heparin in trauma vs. non-trauma critically-ill patients
Megan Heath, PharmD PGY2 Emergency Medicine Resident	MUE: Evaluation of discordant empirical antibiotics for urinary tract infections in ED Research: Use of 4-factor prothrombin complex concentrate for oral anticoagulant reversal in intracranial hemorrhage
Chelsey Axelrod, PharmD PGY1 Pharmacy Resident, Acute Care	MUE: Evaluation of pharmacologic treatment for alcohol use disorder in behavioral health inpatients Research: Positive predictive value of urine analysis with reflex criteria at a large community hospital
Emerald O'Rourke, PharmD PGY1 Pharmacy Resident, Acute Care	MUE: Pain management for acute post-operative pain in pediatric patients Research: Meningitis/encephalitis pathogen panels impact on empiric therapy duration

Victoria Herrmann, PharmD PGY1 Pharmacy Resident, Ambulatory Care	MUE: Evaluation of hypercoagulable testing in the inpatient setting Research: Identifying risk factors to predict 30-day readmission for acute exacerbation of COPD in the elderly
Class of 2020	
Shannon (Wright) Hasara, PharmD PGY2 Critical Care Resident	MUE: Evaluation of a critical care assessment team protocol for sepsis Research: Continuation of modafinil and concomitant therapies following traumatic brain injury - intensive care discharge and beyond
Bradley Bright, PharmD PGY2 Emergency Medicine Resident	MUE: Calcium gluconate utilization associated with diltiazem administration in the ED Research: Evaluation of caffeine sodium benzoate vs. caffeine citrate use for postdural puncture headache in the ED
Patrick Condon, PharmD PGY1 Pharmacy Resident, Acute Care	MUE: Describing vancomycin dosing in obesity Research: Management of intracranial hypertension with rocuronium in severe traumatic brain injury
Maggie (Braxton) Green, PharmD PGY1 Pharmacy Resident, Ambulatory Care	MUE: Evaluation of same day ED visit following a Family Health Center office visit Research: Impact of pain initiatives on overall opioid utilization
Class of 2019	
Rebecca Conley, PharmD PGY2 Critical Care Resident	MUE: Evaluation of diclofenac patches for acute pain in critically ill trauma patients Research: Intravenous potassium replacement in critically ill patients with renal injury
Justin Miller, PharmD PGY2 Emergency Medicine Resident	MUE: Digoxin immune fab medication use evaluation Research: Impact of SEP-1 on broad-spectrum combination antibiotic therapy in the ED
Ashley Johnson, PharmD PGY2 Pain Management & Palliative Care Resident	MUE: Pain management in obstetric patients Research: Evaluation of the use of individualized patient care plans for reducing ED visits in frequent ED visitors
Nicholas Mastromarino, PharmD PGY1 Pharmacy Resident, Acute Care	MUE: Anticoagulation for non-ST segment elevation myocardial infarction and unstable angina in the ED Research: Impact of a multi-modality rib fracture pain management order set
Shannon (Wright) Hasara, PharmD PGY1 Pharmacy Resident, Acute Care	MUE: Intravenous haloperidol use in the acute care setting Research: Improving outcomes in mechanically ventilated, critically ill patients through the ABCDEF Light Sedation Protocol: A pre- and post-implementation study
Lindsey Smith, PharmD PGY1 Pharmacy Resident, Ambulatory Care	MUE: Evaluation of post-operative use of naloxone Research: Safety and efficacy of warfarin regimens containing greater than 10 mg vs. less than 10 mg in hospitalized patients

Class of 2018

Kyle Dillon, PharmD PGY2 Critical Care Resident	MUE: Negative methicillin-resistant <i>Staphylococcus aureus</i> PCR nasal swabs for early vancomycin discontinuation in critically ill patients with pneumonia Research: The effect of dexmedetomidine on delirium when used to promote sleep in critically ill patients
Jessica Glas-Boben, PharmD PGY2 Emergency Medicine Resident	MUE: Medication use evaluation of post-exposure prophylaxis in the ED Research: Impact of the utilization of 500 mL fluid bags in primary management of trauma patients
E. Inyang Akamune, PharmD PGY1 Pharmacy Resident, Acute Care	MUE: Critical care medicine IV phosphate replacement Research: Evaluation of vasopressor response to hydrocortisone administration in septic shock patients
Alice Margulis Landayan, PharmD PGY1 Pharmacy Resident, Acute Care	MUE: Evaluation of weight-based anti-Xa heparin protocols Research: Effect of standard piperacillin/tazobactam dosing in obese vs. non-obese septic patients
Kaitlyn Bice, PharmD PGY1 Pharmacy Resident, Ambulatory Care	MUE: Evaluation of guideline-directed medical therapy in heart failure Research: Direct oral anticoagulants and their association with major bleed in non-valvular atrial fibrillation

Class of 2017

Brittany Petrosky, PharmD PGY2 Critical Care Resident	MUE: An evaluation of the initial fluid resuscitation in critically ill septic patients Research: Risk factors for early vs. late unplanned transfer to the intensive care unit
Somer (Harvey) Slappey, PharmD PGY2 Emergency Medicine Resident	MUE: Evaluation of the management of pulmonary embolism in the ED Research: Impact of an emergency medicine pharmacist on initial antibiotic prophylaxis for open fractures in trauma patients
Antonia Fawaz, PharmD PGY1 Pharmacy Resident, Acute Care	MUE: Evaluation of N-acetylcysteine use for acetaminophen overdose Research: Efficacy of shorter vs. longer treatment duration for sepsis secondary to urinary tract infection
Nathan Greenfield, PharmD PGY1 Pharmacy Resident, Acute Care	MUE: Re-evaluation of total parenteral nutrition utilization at a tertiary care hospital Research: Impact of a gastrointestinal pathogen panel on antibiotic utilization

Class of 2016

Danielle Padgett, PharmD PGY2 Critical Care Resident	MUE: Medication use evaluation of vaccination after non-elective splenectomy or splenic embolization in trauma patients Research: An evaluation of the central line associated blood stream infection (CLABSI) rate based on the NHSN definition and the LRH Expanded CLABSI Criteria before and after three house wide interventions in the intensive care unit
Candi Sturges, PharmD PGY2 Emergency Medicine Resident	MUE: Medication use evaluation of a Pediatric Asthma Protocol in the ED Research: Impact of an electronic order set on phenytoin dosing in the ED
Andrea (Miller) Wetshtein, PharmD PGY2 Pain Management & Palliative Care Resident	MUE: Medication use evaluation of analgesic use following intubation in the ED Research: Tizanidine vs. cyclobenzaprine for post-trauma pain control
Somer (Harvey) Slappey, PharmD PGY1 Pharmacy Resident, Acute Care	MUE: Evaluation of antibiotic use in uncomplicated appendectomies Research: Diltiazem vs. esmolol for acute rate control in the ED
Hiren Shah, PharmD PGY1 Pharmacy Resident, Acute Care	MUE: Evaluation of bridging anticoagulation practices in critically-ill patients with atrial fibrillation Research: A pharmacist-led approach to antimicrobial therapy optimization utilizing PCR technology
Sarah Williford, PharmD PGY1 Pharmacy Resident, Acute Care	MUE: Hyperosmotic therapy in severe traumatic brain injury Research: Single vs. double empiric Gram-negative coverage with or without levofloxacin in critically ill patients

Class of 2015

Nam Nguyen, PharmD PGY2 Critical Care Resident	MUE: Transition from dexmedetomidine to clonidine or guanfacine in critically ill trauma patients Research: Evaluation of random vancomycin levels with and without concomitant vasopressor administration in critically ill septic patients with renal failure
Kayla (Montgomery) Wilson, PharmD PGY2 Emergency Medicine Resident	MUE: Medication utilization evaluation of tranexamic acid in trauma patients Research: Impact of emergency medicine pharmacist on time to thrombolysis in acute ischemic stroke
Juan Alberdi, PharmD PGY1 Pharmacy Resident, Acute Care	MUE: Evaluation of prescribed doses of intravenous morphine vs. hydromorphone in opioid naïve postoperative patients Research: Impact of rapid diagnostic PCR technology on therapy optimization in patients with bacteremia at a tertiary care hospital

Hoang Huynh, PharmD PGY1 Pharmacy Resident, Acute Care	MUE: Evaluation of oral pantoprazole in adult medical patients at a tertiary care hospital: a retrospective analysis Research: Inferior vena cava filter placement and timing of VTE chemoprophylaxis in traumatic brain injury patients with an intracranial hemorrhage
Ankita Patel, PharmD PGY1 Pharmacy Resident, Acute Care	MUE: Evaluation of three percent hypertonic saline for hypotonic hyponatremia Research: Comparison of clinical response at 72 hours to ceftaroline vs. daptomycin for the treatment of complicated skin and soft tissue infections
Kellie (Rodriguez) Wang, PharmD PGY1 Pharmacy Resident, Acute Care	MUE: Evaluation of venous thromboembolism chemoprophylaxis in acute traumatic intracranial hemorrhage patients Research: High vs. standard dose dexmedetomidine for sedation in critically ill patients: The HI-DEX Study

Class of 2014

Rusha Patel, PharmD PGY2 Emergency Medicine Resident	Research: Comparing the effectiveness of various antiemetic medications used in the ED
Doug Brown, PharmD PGY1 Pharmacy Resident, Acute Care	MUE: Evaluation of total parenteral nutrition utilization at a tertiary care hospital Research: Empiric Gram-negative double coverage in sepsis in a tertiary care hospital
Jeremy Lund, PharmD PGY1 Pharmacy Resident, Acute Care	MUE: Evaluation of the significant increase in piperacillin/tazobactam utilization in a tertiary care hospital Research: Identification of risk factors for chemotherapy-related 30-day readmissions
Kayla (Montgomery) Wilson, PharmD PGY1 Pharmacy Resident, Acute Care	MUE: Evaluation of acute headache treatment in the ED Research: Pharmacist's impact on acute pain management during trauma resuscitation
Matthew Woeber, PharmD PGY1 Pharmacy Resident, Acute Care	MUE: Evaluation of fluconazole use in oncology patients at a tertiary care hospital Research: Predicting heparin-induced antibody results using a 4Ts score

Class of 2013

Jennifer Montero, PharmD PGY2 Critical Care Resident	Research: Impact of antimicrobial stewardship interventions on medical intensive care unit patients Research: The effects of an electronic order set on vancomycin dosing in the ED
June Vasquez, PharmD PGY2 Pain Management & Palliative Care Resident	Project: Focused pain management pilot study on 7E Research: Incidence of respiratory depression in opioid use: patient controlled analgesia (PCA) vs. intravenous push
Tyler Bui, PharmD PGY1 Pharmacy Resident, Acute Care	MUE: Evaluation of the use of iodinated intravascular contrast media agents at a tertiary care hospital Research: Severe hyperglycemia: comparison of the clinical management outcomes

Jamie Lee, PharmD PGY1 Pharmacy Resident, Acute Care	MUE: Evaluation of a Procrit monitoring protocol in a tertiary care hospital Research: Incidence of nausea and vomiting in obese patients receiving moderately emetogenic chemotherapy: actual body weight dosing vs. adjusted body weight dosing
Courtney (McKay) Clemente, PharmD PGY1 Pharmacy Resident, Acute Care	MUE: Evaluation of glucagon dosing at a tertiary care hospital Research: Time to blood pressure control prior to thrombolytic therapy in patients with acute ischemic stroke: comparison of labetalol nicardipine, and hydralazine

Class of 2012

Jennifer Montero, PharmD PGY1 Pharmacy Resident, Acute Care	MUE: Evaluation of prasugrel usage and safety at a tertiary care hospital Research: Comparing the incidence of drug-induced nephrotoxicity of vancomycin with concurrent piperacillin/tazobactam vs. cefepime in oncology patients
Jessica (Rivera) Pescatore, PharmD PGY1 Pharmacy Resident, Acute Care	MUE: Evaluation of intravenous immunoglobulin at a large community hospital Research: Occurrence of treatment failure with standard practice administration of IV N-acetylcysteine in acute acetaminophen toxicity and co-ingestion of gut motility slowing agents
June Vasquez, PharmD PGY1 Pharmacy Resident, Acute Care	MUE: Medication utilization evaluation of IV pantoprazole for non-critical patients Research: Impact of antibiotic administration sequence in early goal directed therapy patients: broad spectrum beta-lactams vs. non-beta-lactams

Class of 2011

Anthony Pazanese, PharmD PGY2 Pain Management & Palliative Care Resident	Project: Physician satisfaction of a pharmacist-run pain management consult service Research: A retrospective study to determine whether the implementation of individualized plans of care reduced the number of frequent visitors to the ED
Winifred Adazai, PharmD PGY1 Pharmacy Resident, Acute Care	MUE: Evaluation of rifaximin use at LRH Research: Assessing anticoagulation knowledge in elderly patients on warfarin therapy
Jake Schwartz, PharmD PGY1 Pharmacy Resident, Acute Care	MUE: Evaluation of a computer order entry systems ability to alert users to needed dose adjustments for renal dysfunction Research: The effects of antibiotics on warfarin in patients presenting to a large community ED

Class of 2010

Andrea (Henderson) Parker, PharmD PGY1 Pharmacy Resident, Acute Care	MUE: Evaluation of low molecular weight heparin use in renal insufficiency at a large community hospital Research: Assessment of pharmacy educational interventions for nursing to improve medication orders
Sean Ustic, PharmD PGY1 Pharmacy Resident, Acute Care	MUE: Evaluation of the Rhogam dispensing process at LRH Research: Surgical site infection rates in obese vs. non-obese patients having orthopedic hip or knee replacement surgery: A retrospective chart review

Class of 2009

Maria Guevara, PharmD PGY2 Pain Management & Palliative Care Resident	Research: Potential cognitive improvements of modafinil in traumatic brain injuries
Melody (Brown) Stevens, PharmD PGY1 Pharmacy Resident, Acute Care	MUE: Evaluation of vitamin K in a non-teaching referral medical center Research: Prevention of pneumonia complications secondary to induced hypothermia in traumatic brain injury
Shejal Parmar, PharmD PGY1 Pharmacy Resident, Acute Care	MUE: Evaluation of argatroban in a large community hospital Research: Efficacy of vancomycin for MRSA strain with minimum inhibitory concentrations of 2mcg/mL

Class of 2008

Brad Hall, PharmD PGY2 Critical Care Resident	Research: Propofol vs. Precedex and the incidence of delirium
Naila Alam, PharmD PGY1 Pharmacy Resident, Acute Care	MUE: Ready for rounds: drug information from the experts on drugs. Observing impact of pharmacist led drug information sessions geared towards physicians Research: Pharmacist interventions in an outpatient trauma clinic
Kristen Coker, PharmD PGY1 Pharmacy Resident, Acute Care	MUE: Ready for rounds: drug information from the experts on drugs. Observing impact of pharmacist led drug information sessions geared towards physicians Research: Minimizing the onset and/or duration of delirium in the intensive care unit: does continuation of home medications affect outcomes?

Class of 2007

Niesha (Bell) McBurrows, PharmD
PGY1 Pharmacy Resident, Acute Care

MUE: Procrit use in oncology patients

Research: Pancreatitis in trauma patients receiving propofol: a retrospective analysis

Evan McKean, PharmD
PGY1 Pharmacy Resident, Acute Care

MUE: Overview of contrast products at LRH

Research: Perceptions of oncology patients regarding the understanding, readability and effectiveness of educational information provided during the informed consent process
