Over half of our residents get involved in clinical research or quality improvement projects at Loyola University Medical Center or the Edward Hines, Jr. VA Hospital.

The Department of Medicine has over 360 active IRBs led by 70+ attendings in various subspecialties including allergy, pulmonology and critical care, cardiology, gastroenterology, nephrology, hematology/oncology, rheumatology, and more!
Academic Research Curriculum

- 3-year longitudinal curriculum for all residents.
- Activities include writing workshops and detailed reviews of scientific articles focusing on research methods, study design, biostatistics, interpretation of data, and critical analysis.
- Led by dedicated faculty members and divided into small groups for focused content.

Research Elective

- Two tiers of dedicated research time:
  - **Research Associate**: maximum of 3 weeks per senior year of residency.
  - **Research Scholar**: maximum of 6 weeks per senior year of residency, with poster presentation at a local/national conference.
- Poster presentation at Loyola Resident Research & Quality Improvement Day.

Research Resources

- **Clinical Research Database**: data repository with over 13 million patient encounters to query.
- **Clinical Research Office** provides infrastructure services, including statistician services, help with IRB submission, and grant writing.
- **Research Chief Resident**: provides research oversight and support.
- **Other resources include**: The Health Sciences Library, The Center for Translational Research and Education, REDCap, RefWorks, and Mendeley reference manager software.

...And much more!
Lauren Bloomberg, MD – PGY-2 (Mentor: Dr. Jonah Rubin | Hepatology)
Transitions in Clinical Practice to Telehealth Models During COVID-19: Outcomes in Patients with Chronic Liver Disease.

Sovik DeSikar, MD – PGY-3 (Mentor: Dr. Amir Darki | Cardiology)
Novel Echocardiogram Predictors of Mortality in Acute Pulmonary Embolism.

Austin Fan, MD – PGY-3 (Mentors: Drs. Nina Clark | Infectious Disease)
Retrospective Case-Control Study of 5-Day Course of Remdesevir Versus Shortened Remdesevir Course and Clinical Outcomes.

Deneyal Syed, MD – PGY-3 (Mentor: Dr. John Lopez | Cardiology)
A Novel Automated and Comprehensive Method to Assess Cardiac Allograft Vasculopathy After Heart Transplantation.

Matthew Thomas, DO – PGY-3 (Mentor: Dr. Mark Rabbat | Cardiology)
The Utility of Strain Cardiac Magnetic Resonance Imaging, Right Ventricular Dyssynchrony Measurements, and Late Gadolinium Enhancement.

Phillip Zhang, MD – PGY-2 (Mentor: Dr. Steven Scaglione | Hepatology)
PHQ-9 and Associations with Alcohol Relapse and Other Liver Transplant Outcomes in Patients with Alcohol-Associated Liver Disease.
Ahmed Aleem, MD – PGY-3 (Mentor: Dr. Stephanie Berg | Hematology/Oncology)  
Epidemiology and Risk Factors for Invasive Fungal Infections for Acute Leukemia: A Retrospective Cohort Study.

Alissa Chandler, MD – PGY-3 (Mentor: Dr. Varun Bhalla | Rheumatology)  
Lupus Outcomes in Two Distinct Socioeconomic Groups Seen by University Rheumatologists.

Corrin Hepburn, MD – PGY-2 (Mentor: Dr. Jonah Rubin | Hepatology)  
Technology Literacy and Telehealth Patient Satisfaction in Patients with Liver Disease.

Eliza Lewine, MD – PGY-3 (Mentor: Dr. Steven Hendler | Gastroenterology)  
Yield of Endoscopy for Chronic Abdominal Pain.

Mashaal Ikram, MD – PGY-3 (Mentor: Dr. Dennis Yu | Cardiology)  
What’s on Your Plate, COVID-19 and Diet.

Robin David, MD – PGY-2 (Mentor: Dr. Ayokunle Abegunde | Gastroenterology)  
Yield of Positive FOBT in the Inpatient Setting.

Timothy O’Connor, MD – PGY-2 (Mentor: Dr. Daniel Dilling | Pulmonary & Critical Care)  
Telomere Biology Disorder Prevalence and Phenotypes in Adults with Interstitial Lung Disease.

Connor Young, MD – PGY-3 (Mentor: Dr. Menhel Kinno | Cardiology)  
Non-Invasive Coronary CT in Predicting Surgical Candidates for ByPass Grafting.