Internal Medicine Residency Program
Course Catalog
2018-2019

Note: ALL WARD rotations are NOT Vacation Eligible including all Ward Selective rotations, ICU rotations, Float rotations, ER, and General Medicine Ward rotations.

Note: Some electives limit vacation to a maximum of one week and are indicated with “Vacation Maximum – 1 week.” Please pay attention to this.

Hospital location is indicated by ending of rotation name.

.KI = Krannert at Methodist Hospital
.MET = Methodist Hospital
.UH = University Hospital
.VA = VA Hospital
.EZ = Eskenazi Hospital
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NON-HOSPITAL BASED ELECTIVES:
SPECIAL ELECTIVES, AMBULATORY ELECTIVES, AND OTHERS
(including Kenya)

Advanced Geriatric Medicine Elective
Course Director: Glenda Westmoreland
advgerc
gwestmor@iu.edu; 880-6576
Vacation Eligible-One week
Maximum residents per rotation = 2
Medicine or medicine-pediatrics residents (PGY2 or higher) may choose this month-long elective in Geriatric Medicine. This flexible rotation is designed to allow a highly motivated resident to design a rotation which combines his/her career interests with Geriatrics while building on the core principles from the required one month Geriatrics Block Rotation. Residents will be assigned a Geriatrics faculty mentor who will help guide them in designing a month of experiences within geriatrics and their chosen medicine subspecialty, such as, Cardiology, Hematology-Oncology, Palliative Medicine, etc., with the goal to advance their knowledge and build skills in caring for older adults in a particular subspecialty. Inpatient, outpatient, as well as extended care and house calls opportunities are available. For a sample schedule or more information on available opportunities please contact course director, Dr. Glenda Westmoreland.

Endocrinology/Diabetes Elective
Director: Melissa Cavaghan, MD; mcavagha@iu.edu
(University Hospital, VA Hospital, Eskenazi Hospital)
Endoc
Coordinator: JoEllen Dice; jodice@iu.edu; 278-7826
Maximum residents per rotation = 2, third resident may be possible with permission from Dr. Cavaghan
Vacation Eligible-One week
The overall goal of the Endocrinology rotation is to provide the resident with a broad-based clinical experience in Endocrinology. A variety of teaching venues are provided: weekly conferences (Endocrinology Grand Rounds, Endocrinology Case Conference, Endocrine Research Conference, and Journal Club), patient-stimulated small group discussions as part of the inpatient consultative service, and patient-stimulated one-on-one teaching in the out-patient setting. Inpatient rounds take place Monday-Friday at University and Eskenazi Hospitals. The consult team consists of an endocrine faculty member, an endocrine fellow, one or two endocrine residents, and at times a senior medical student. Residents also attend 3-5 outpatient endocrine clinics per week at University, Eskenazi, or the VA. In addition, there are off-site clinics that residents are able to attend to broaden their exposure to outpatient endocrinology.
Dermatology Elective at Eskenazi Health
Director: Lawrence A. Mark, MD, PhD
lamark@iu.edu
(Eskenazi Health, private practice locations)
dermc.ez
Vacation Eligible: Maximum 2 weeks, 1 week preferred
Max residents per month - 1
The resident will see outpatients at the Dermatology Clinic on the 3rd floor of the main hospital building. The elective is designed to increase experience in the diagnosis and treatment of a wide variety of common dermatologic disorders, especially melanoma and rashes. Residents will gain hands-on experience in KOH preps, ectoparasite examinations, skin biopsy techniques and use of liquid nitrogen. Conferences are available and encouraged for resident participation. Additional experience with Dr. Mark is available for interested residents at the IU Simon Cancer Center for two half-day clinic sessions specializing in skin lymphomas and melanomas. This elective is limited in availability, but PGY3/4 interested in primary care are particularly encouraged to take the elective.

Emergency Medicine Elective at Eskenazi Health
Director: Butch Humbert, MD
Contact info: ahumbert@iu.edu, EM Chief (chiefsIUEM@gmail.com)
erc.ez
Vacation Eligible - Maximum 1 Week, not available in Rotation 7
Residents are required to do one ER month their 2nd year and will have the opportunity to participate in an ER elective at Eskenazi Health during any of their other years if interested. During a shift, residents are assigned to either intake/low acuity or high acuity. However, residents are assigned to shifts in both areas during the rotation so that, during the month, they are seeing “all comers.” Emergency Medicine physicians supervise residents 24 hours daily. Residents are involved in the care of all patients presenting to the Emergency Department except those with major trauma.

The curriculum specifically administered for non-emergency medicine residents consists of a web-based self-study component which can be accessed here: https://iu.instructure.com/courses/1591372.

Although there is no call, shifts are nine hours long and are scheduled around the clock every day. PGY1,2, and 3 Categorical and PGY1/2/3/4 Med/Peds are eligible. Residents are scheduled for approximately 17-19 shifts for the block (decreased to 13-15 shifts if taking vacation). There is a combination of day, evening and overnight shifts. Night and weekend shifts are evenly distributed among those residents on the schedule for the month.

Please let the EM chief residents (email chiefsIUEM@gmail.com) know 3 months
ahead of time if you are taking this elective so you can be scheduled in.

**Hematology/Oncology Clinic**  
**Director:** Naveen Manchanda, MD  
**Email:** nmanchan@iu.edu  
**hemoncclin.uh**  
**Vacation INeligible**  
**Maximum residents per rotation = 2**  
Residents will be exposed to the diverse outpatient care of the patient with a malignancy or a benign hematologic disorder. Clinic sites utilized during the rotation include: the Cancer Pavilion, Simon Cancer Center, Eskenazi, Spring Mill, and Bone Marrow Transplant. This rotation will allow the resident to develop a more realistic perspective of the daily care of patients with Hematologic and Oncologic disorders. The resident will see patients at all stages of their disease: at initial diagnosis, during their therapy, in long-term follow-up, and during end-of-life discussions. The residents will be expected to independently see and evaluate both new and return patients. The Course Director will coordinate the schedules, but the residents will be assigned to numerous different attending physicians throughout the month. Residents will be expected to attend the Friday morning Cancer Center Grand Rounds and other Hematology/Oncology conferences. Residents will be encouraged to present patients at conferences and add to the educational component of conferences with an appropriate literature review of the concerned topic. No overnight or weekend responsibilities.

**Medical Informatics Elective Course**  
**Director:** John Finnell, MD  
**Medinfo**  
**Contact:** jfinnell@iu.edu, phone 274-9000  
**Vacation Eligible - Maximum one week**  
**No Residents during July or late Oct/early Nov**  
**Maximum residents per rotation = 2**  
This elective is intended to promote medical informatics as a discipline. The program provides the opportunity for learners to gain a greater understanding of medical information systems. The content is modular to support distance-based learning. Topics covered include: fundamentals, terminology/standards, decision science, programming and data storage. Students will work closely with medical informatics fellows and faculty, use assigned readings, and submit their solutions each week. The solutions will be reviewed by faculty to ensure students have gained an understanding of these basic informatics principles. This elective offers a unique perspective into one of the nation’s largest repositories of medical data. This is considered a “non-clinical” month. Residents may only complete 3 non-clinical months throughout residency.

**Kenya Rotation**  
**Director:** Jenny Baenziger, MD (jbaenz@iu.edu)  
**Kenya-e, Kenya-w**
Contact: Ronald Pettigrew (rpettigr@iu.edu)
Vacation Required: 0 required. Allowed to take 1-2 weeks (please ask Dr. Baenziger or Eskenazi chief resident for vacation policy)
This is a two-month rotation located in Eldoret, Kenya. The rotation is designed to give residents a unique experience in global health in a low income country.
Residents will be on a team at Moi Teaching and Referral Hospital with Kenyan medical students, residents, and trainees. Patients encountered have “tropical diseases” such as malaria, TB, and AIDS but there is also a significant amount of late and uncommon presentations of common diseases (DMII, HTN, CAD, etc).
Residents are expected to be both learners and teachers within this system.
Residents will also have some time in a rural clinic where IU is leading the way in treating victims of the HIV epidemic in sub-Saharan Africa and in demonstrating a model of universal health coverage. Residents must attend mandatory orientation meetings typically held in May by the course director, give a morning report-type presentation there, and other duties. Unfortunately scholarships do not exist, so all expenses are funded by the resident. Credit is given for one ward month and one elective for this rotation. Space in any given month is limited so timing is at the complete discretion of the course director and chief residents with input from the resident. Karibu!

Special Research Elective
Director: Noelle Sinex, MD (for medicine residents)
Contact: nnclark@iu.edu
Coordinator: Rachel Winchell (rwinchel@iu.edu) Ph: 317-278-2698
Director: Tim Brady, MD (for Med/Peds residents)
Contact: tbbrady@iu.edu
Coordinator: Paul Rahrig (.ptrahrig@iu.edu)
specrsch
Vacation Eligible 2 weeks max
Course open to PGY 2-4 only
Working with a faculty mentor on campus or occasionally another institution, the resident plans and designs a research elective to achieve individual goals, which may range from exposure to a certain type of research to initiation or maintenance of an ongoing research project. Projects can range from chart reviews to experiences in basic research laboratories. Three MEASURABLE goals must be defined for the rotation in advance and will be used as the standard to evaluate your performance during that month. Residents MUST have identified and coordinated with their mentor regarding timing before the rotation can be scheduled. Residents are required to complete the iArbed form (rotation goals, location and mentor) with approval from their mentor at least 8 weeks prior to the initiation of the elective. Residents must upload their submitted abstract or an update on their project by May 15th at the end of the academic year. Please see the curriculum posted on Canvas (Canvas>IM Residency> Files> 28. Research Elective) and the House staff manual (iArbed>Residents> Resources>Housestaff Manual) for further details regarding this rotation. Residents may complete one research month with an approved research project by mentor. Further research months will be approved by program administration based on performance within the first month.
Special Clinical Elective
Director: Noelle Sinex, MD (for medicine residents)
Contact: nnclark@iu.edu
Coordinator: Rachel Winchell (rwinchel@iu.edu)
Director: Tim Brady, MD (for Med/Peds residents)
Contact: tbbrady@iu.edu
Coordinator: Paul Rahrig (ptrahrig@iu.edu)

Vacation Eligible 2 weeks max PGY 2-4 only
Working with a faculty mentor at IU or another institution, the resident plans and
designs a clinical elective to achieve individual goals. In the past, residents have used this opportunity to explore areas of medicine not commonly encountered in
our training program, for example sleep or sports medicine, or to spend time with
private practice primary care physicians to gain insight to what a career as a
community-based physician would look like. Residents must identify a mentor and arrange their own schedule. Residents are expected to submit this information
(rotation goals, location, and mentor) into iArbed for approval 8 weeks before the
rotation begins. Residents who participate in off-campus electives must work with
medical education office and/or supply proof of malpractice coverage. Residents
who request special electives must read the Special Electives Policy, which can be
found in the Housestaff Manual (iArbed>Residents> Resources>Housestaff Manual
pgs 53-55).

IU Sports Medicine Fellowship
Director: John Baldea, M.D., sportmed@iu.edu
Contact: Jessica Kurrasch, jkurrasc@iupui.edu

Vacation: Prefer a full 4-week attendance / vacation-ineligible rotation
Maximum residents per rotation= 1. This elective is offered only through special
arrangement and is restricted to upper level residents only.
This elective is intended to promote sports medicine as a subspecialty within
medicine or for those who wish to have further exposure to sports medicine.
Participants in the Primary Care Sports Medicine Fellowship program train in a variety
of settings with leaders in this field of medicine for work in primary care sports
medicine. The goal of the sports medicine rotation is for residents to learn about
diagnosis and management of outpatient acute and chronic musculoskeletal
conditions. The rotation allows learners to gain a greater understanding
musculoskeletal anatomy to further understand sports related pathology within the
musculoskeletal system. There is no weekend or call related responsibilities during this
rotation. This elective is offered only through special arrangement; please contact
Dr. Baldea or Program Coordinator for more information.

Methodist Sports Medicine
Contact: Chris Curless (ccurless@methodistsports.com)
SportMeth
Vacation: 1 week allowed.
Maximum residents per rotation= 1. Restricted to upper level residents only.
This elective is intended to promote sports medicine as a subspecialty within medicine or for those who wish to have further exposure to sports medicine. The goal of the sports medicine rotation is for residents to learn about diagnosis and management of outpatient acute and chronic musculoskeletal conditions. The rotation allows learners to gain a greater understanding musculoskeletal anatomy to further understand sports related pathology within the musculoskeletal system. There is no weekend or call related responsibilities during this rotation. One week of vacation is allowed.

Pedigo Homeless Clinic Experience
Director: Dr. John Sidle (jsidle@iu.edu)
Coordinators: Liza Crane liza.crane@eskenazihealth.edu, Kelly Ballenger ksballen@iu.edu
home.ez
Vacation eligible: 2 weeks
Maximum residents per rotation: 2
Location: Eskenazi Health Pedigo at Horizon House, 1033 E. Washington St. 46202
The Pedigo experience is a homeless clinic experience based out of Eskenazi Health’s Pedigo at Horizon House. The chief mission of the clinic is to provide quality primary care to homeless patients and assist in the transition to more permanent housing. Residents will be provided a multidisciplinary approach to integrated, holistic care for this vulnerable population. The experience will include but is not limited to seeing patients with Dr. Sidle and his partners, working with team social worker and care coordinator, completing directed reading and online modules, and engaging in professional blended street outreach. The clinic’s electronic medical record is Epic and if documentation is needed will be done in this system. While on the Pedigo experience residents will be expected to attend their regular continuity clinic as well as mandatory conferences (Impact). This 1 month long experience is an excellent opportunity for any resident to experience a team based, multidisciplinary approach to homeless medicine. It is also serves as an ideal rotation for residents who have gone to Kenya and are looking to translate and reinforce the skills they learned in international medicine here at home.
**HOSPITAL BASED ELECTIVES**

**Anesthesia for Anesthesia PGY-1**  
**Director:** David Nakata, MD, MBA  
**anesth.uh**  
**Contact:** danakata@iupui.edu  
**Office:** 274-0076; **Cell:** 317-413-7519  
**Vacation eligible-one week max**  
This is an elective rotation for anesthesia preliminary medicine interns only. This course is intended to provide the participant with an overview of some of the operational constraints associated with the delivery of a safe anesthetic within the operative environment. This includes issues from perioperative management to the development of procedural skills such as intubation, starting IV’s, induction and emergence of patients from anesthesia.

**Anesthesia Pain Management Rotation**  
**Director:** David Nakata, MD  
**anesth.pain**  
**Contact info:** danakata@iupui.edu  
**Phone number office:** 274-0076; **Cell:** 317-413-7519  
**Vacation eligible-one week max**  
This required rotation for anesthesia preliminary medicine interns and open only to them. The course is intended to provide the participant with an overview of some of the operational constraints associated with the delivery of various forms of pain management with an emphasis upon patients with chronic pain related issues. Various modalities used within this group of pain patients will be discussed and utilized in order to provide the resident with a broad overview of the tools used to provide optimal pain control in this patient population.

**Bone Marrow Transplant at University**  
**Director:** Sherif Farag, MD  
**Email:** ssfarag@iu.edu  
**bmtc.uh**  
**Vacation INeligible**  
**Maximum number of residents per rotation =1**  
The resident is part of a team that includes an attending, a hematology/oncology fellow, and a nurse-practitioner. The resident has the opportunity to provide direct patient care for both patients in the BMT unit and those in the outpatient setting. Residents also attend one half-day clinic each week. Residents will participate in the treatment of patients with hematologic malignancies and solid tumors. Areas to be covered will include high-dose chemotherapy administration, indications for blood product support, support of neutropenic patients, immune reconstitution, and selection of donors. The resident will have close interactions with infectious disease, renal, intensive care, and pulmonary consultants. No overnight or weekend duties.

**Cardiology Consults at Eskenazi, VA, and University**  
**Directors:** Deepak Bhakta, MD (University and Eskenazi)  
**Email:** dbhakta@iu.edu,  
**Masoor Kamalesh, MD (VA)**  
**Email:** masoor.kamalesh@va.gov  
**cardc.uh, cardc.ez, cardc.va**
Vacation Eligible: Maximum Two Weeks
Maximum number of residents per rotation at University = 2
Maximum number of residents per rotation at Eskenazi and VA = 2
On this rotation, you will field cardiology consults from Medicine as well as non-Medicine services at the respective hospital to which you are assigned. You will be part of a team with a cardiology faculty member and fellow. At University, you will also have EKG teaching sessions. Residents are not required to work on weekends, and no rotation specific call assignments are given. The incoming resident should page the fellow at 8:00AM on the first day of the rotation (University and Eskenazi). VA residents should call the Cards fellow at 310-4338 on the first day of the rotation.

Cardiology Consults at Methodist
Directors: Richard Kovacs, MD, Deepak Bhakta, MD, and Pantila Vanichakarn, MD (pvanicha@iu.edu)
cardc.met
Vacation/Interview days - Limited to 14 days
Maximum residents per rotation = 2
During this rotation, the resident’s primary responsibility will be to work with a cardiology fellow and attending on the Krannert Cardiology consult service which manages a broad range of cardiovascular diseases. There are excellent opportunities to experience non-invasive cardiac imaging by attending staff cardiologist sessions dedicated to interpretation of echocardiograms and nuclear imaging studies. You will be able to observe procedures such as transesophageal echocardiograms and cardiac catheterizations if you make the proper arrangements. Based at Methodist Hospital, the elective allows for attendance at the wide variety of teaching conferences and the weekly ECG reading sessions. This elective is unique in that it can be structured according to the resident’s primary interests in cardiology; however, it will also provide a well-rounded view of cardiology. Successful completion of the elective provides the resident with a core of expertise in ECG interpretation, education on the proper ordering of stress tests and non-invasive imaging, and experience in managing complex cardiac issues on a wide variety of medical and surgical services.

Cardiology service at IU Health West
Director: William J. Gill, MD (wjgill@iu.edu)
Contact info: Jason Clifford (jcliffo1@iuhealth.org), William J. Gill, MD (wjgill@iu.edu)
cardc.iuw
Maximum resident per rotation: 1. Restricted to PGY-3 residents only.
Vacation eligible; maximum 2 weeks
This rotation will offer you an immersive private practice cardiology experience. You will be involved in patient care both in the inpatient and outpatient settings at IU West Hospital working with an attending cardiologist seeing patients in cardiology clinic as well as providing inpatient/ER consultations. You will also have the opportunities to observe many cardiovascular procedures including stress tests, pacemaker/ICD interrogation, transesophageal echocardiography, and cardiac catheterization. You will be involved in interpreting ECG, echo studies, and stress tests. This rotation will give you a wide breadth of comprehensive cardiology service in the private practice setting. You must notify us (via email) at least 4-6 weeks prior
to starting the rotation due to licensing paperwork and availability.

Clinical Research Center at University
Director: Munro Peacock, MD
Contact: Sharon Cromer (scromer2@iu.edu)
crc.uh
Maximum number of residents per rotation = 1
Vacation eligible: maximum 2 weeks
The overall goal of this elective is to introduce medical residents the essentials of patient-oriented research. The essentials include regulatory requirements and Good Clinical Practice [GCP] guidelines, responsibilities of the Institutional Review Board and Scientific Review Committee, clinical trial design, bioethics and biostatistics in clinical research, the importance of quality assurance/improvement, study recruitment and implementation, and CTSI resources available. Career planning to include clinical research will be discussed and encouraged. No overnight or weekend duties.

Gastroenterology Consults at VA Hospital or Eskenazi
Director: EZ: Hala Fatima, MD
hafatima@iu.edu
VA: Christen Dilly, MD
cklochan@iu.edu
gic.va or gic.ez
Vacation Eligible: Max of 2 weeks
Max Residents per Rotation = 2
The primary responsibility of the resident is to field gastroenterology consults (including general GI, liver and pancreaticobiliary problems) under the leadership of a GI fellow and attending physician. History-taking and physical exam skills specific to the GI patient will be developed, and many opportunities will be available to refine the differential diagnosis and practice making diagnostic and treatment plans. Consult residents will have the opportunity to observe various GI procedures in the endoscopy suite or ICU, in order to view firsthand the findings that alter diagnoses and plans. There is a good balance between clinical duties and reading time. Residents are expected to learn something every day and to use what they’ve learned to educate their teams or their patients. Residents are encouraged to attend all GI conferences as well as the required Medicine conferences; a conference calendar will be provided at the beginning of the rotation. Residents are also expected to complete a number of online GI modules. Housestaff will be assigned to either the VA or Eskenazi depending on preference and availability of the rotation. Residents should page the GI fellow (310-8693) at 8 am on the first day of their rotation.

Hospitalist Consults Methodist
Director: Mark Luetkemeyer; mluetkem@iuhealth.org
Coordinator: Chris Hilbish (CHilbish@IUHealth.org)
hospc.met
Vacation – Maximum 2 weeks
3 maximum number of residents per rotation
Housestaff will be assigned to one of the Accountable Care Unit (ACU) teams associated with a predominantly surgical floor. Housestaff will provide hospitalist care within an integrated care team model designed to provide enhanced medical and surgical management of complex patients. There are 4 ACU floors the housestaff may elect to rotate through: (1) 2N/3N – cardiovascular surgery/peripheral vascular surgery/cardiology (LVAD) patients, (2) 4N/S - Orthopedics/Trauma/General Surgery/Plastic surgery, (3) 5N – Neurosurgery/Neurology, (4) 5E-Cardiac/Medical PCU. If interested we can arrange time (<1 week) in the PAT clinic during the rotation. Didactics include monthly journal club, bedside rounding, and an opportunity to attend monthly ACT meetings. This rotation does not involve overnight call.

Hospitalist Consult rotation at University Hospital
Director: Kavitha Subramoney (email: ksubramoney@iuhealth.org)
Coordinator: Brian Jordan (email: bjordan@IUHealth.org)

Maximum residents per rotation = 1
Vacation eligible: maximum 1 week
This is a consult based rotation which is vacation eligible. This is an opportunity we would offer to any residents interested in learning the challenges of navigating the hospital environment through a primary physician’s role. There would be no call after 5 pm and no night call. Residents would carry a maximum of 6 patients per day averaging about one new admission per day. The resident would be expected to rotate with two providers who alternate from week to week.

Heme/Onc Consults at VA
Director: Jordan Schmitt, MD
jordan.schmitt@va.gov

Vacation Eligible: Max of 2 weeks
Maximum residents per rotation = 1
Located at the VA Medical Center, the resident will work with a fellow to evaluate and follow hematology and oncology consults. This service will expose the resident to the patient care questions for newly diagnosed patients with cancer and to the benign and malignant hematologic issues seen in hospitalized patients. The resident will be expected to independently assess the patient and then formulate a therapeutic recommendation. Two different attendings will supervise this service (one Oncologist and one Hematologist). The resident may also attend various outpatient clinics and may have the opportunity to follow hospitalized consultation patients to clinic for outpatient follow-up. Residents are invited to attend both multidisciplinary tumor boards, which meet on Thursdays from 7-8am and 2-3 pm. There are also heme/onc conferences at the cancer pavilion which residents are invited to attend, including Cancer Center Grand Rounds. Residents should page the fellow on call at 8:00 am on the first day of their rotation.

Hematology Consultants at University
Director: Naveen Manchanda, MD
Email: nmanchan@iu.edu
hemc.uh
Vacation eligible: maximum 2 weeks
Maximum residents per rotation = 1
At University Hospital, the resident will work with a fellow and attending to evaluate and follow hematology consults. This service will expose the resident to the patient care questions for newly diagnosed patients with hematologic malignancies and the benign hematologic issues seen in hospitalized patients. The resident will be expected to independently assess the patient and then formulate a therapeutic recommendation. There are two Hematology conferences each week at the Cancer Pavilion, also the residents are expected to attend the Cancer Center Grand rounds each week. No overnight or weekend duties will be scheduled for residents during this elective. The resident will receive an email prior to the rotation and will have an orientation at the beginning of the rotation.

Oncology Clinics and Consults at University
Director: Naveen Manchanda, MD
Email: nmanchan@iu.edu
onccc.uh
Vacation Ineligible
Maximum number of residents per rotation = 2
On this rotation, residents will be exposed to oncologic disease in the outpatient setting and the inpatient consult setting. Residents will spend half of the rotation (~2 weeks) in IU clinics at the Cancer Pavilion and the Simon Cancer Center, and the other half of the rotation (~2 weeks) on oncology consults at University Hospital. In the clinics, the residents will work directly with an attending seeing patients at all stages of their disease. The residents will be expected to see and evaluate both new and return patients. The Course Director will coordinate the schedules, and residents will be assigned to numerous different attendings throughout the rotation. On the oncology consult service, the residents will work with a fellow and attending to evaluate newly diagnosed patients with cancer and other problems in hospitalized patients with oncologic disease. The residents will be expected to independently assess the patient and then formulate a therapeutic recommendation. No overnight or weekend duties will be scheduled for residents during this rotation. This rotation will be introduced

Oncology Inpatient Elective at University
Director: Naveen Manchanda, MD
Email: nmanchan@iu.edu
oncelec.uh
Vacation Ineligible
Maximum number of residents per rotation = 1. Restricted to upper level residents only.
The resident is part of a team that includes an attending, a hematology/oncology fellow, and a nurse coordinator. The resident has the opportunity to provide direct patient care for patients with oncologic disease in the inpatient setting. Residents will have the opportunity to assess newly diagnosed patients and participate in the development of their treatment plan. Residents will participate in the treatment of
patients with solid organ tumors including testicular cancer, sarcoma, breast cancer, etc as well as complications of chemotherapy. The resident will co-manage patients undergoing chemotherapy, complications of chemotherapy or cancer, and manage end-of-life care in the consulting context. No overnight responsibilities, rounding 1 weekend day. This elective will be available after the Oncology Wards Selective Ward rotation has been phased out.

**Infectious Diseases Consults at University**

**Director:** Cole Beeler, MD

**e-mail address:** cbeeler@iu.edu

**idc.uh**

**Vacation Eligible:** maximum 1 weeks

**Maximum residents per rotation = 2**

The resident sees infectious disease consults at University Hospital, including patients on the bone marrow transplant, solid organ transplant, hematology, and oncology services. The service sees about 60 consults per month. The month begins with an orientation session; all relevant reading material for lectures are made available online. There is an organized campus-wide case discussion and educational series held at Emerson Hall on Monday and Thursday mornings (7am) reviewing core infectious disease topics. Each Tuesday at 4pm, there is a campus-wide case conference held also at University Hospital. Issues that frequently arise in the course of patient care include HIV care problems, ICU infections, unexplained fevers and/or leukocytosis, meningoencephalitis, orthopedic infections, bacteremias and catheter-related infections, and infections of implanted devices. Additionally, residents will gain experience dealing with infections specifically encountered in the immunosuppressed patient populations encountered on the bone marrow and solid organ transplant, hematology, and oncology services. There is a maximum of two housestaff per rotation. No overnight call is included in this rotation and no more than 1 weeks of vacation may be scheduled during the 4 week rotation. New to 2018-2019, no weekends will be required for rounding.

**Infectious Diseases Consults at VA**

**Director:** Cole Beeler, MD

**e-mail address:** cbeeler@iu.edu

**idc.va**

**Vacation Eligible:** Max of 1 Week

**Maximum residents per rotation =1**

The VA consult service sees approximately 20 patients per month. Consult residents also spend at least one Tuesday morning in the Infectious Diseases Clinic to learn about the care of the HIV-infected patient. The month begins with an orientation session; all relevant reading material for lectures are made available online. Because the service is typically slower at the VA than elsewhere, there is an unusually great amount of reading time. There is an organized, campus-wide didactic lecture series held at Emerson Hall Monday and Thursday morning (7am) that reviews core infectious disease topics. Each Tuesday at 4pm there is a campus-wide case conference held at University Hospital. Residents receive weekends off on this rotation. No overnight call is included in this rotation.
Residents should page the on call ID fellow (312-2998) at 8:00 am on the first day of the rotation.

**Infectious Diseases Consults at Eskenazi Health**
**Director:** Cole Beeler, MD  
**e-mail address:** cbeeler@iu.edu
**idc.ez**

**Vacation Eligible:** 1 week max  
**Maximum residents per rotation =3**
The Eskenazi Health consult service sees approximately 70 patients per month. Consult residents also spend one Monday or Friday morning in the Infectious Diseases Clinic to learn about care of the HIV-infected patient. The month begins with an orientation; all relevant reading material for lectures are made available online. There is an organized, campus-wide didactic lecture series held at Emerson Hall Monday and Thursday morning (7am) that reviews core infectious disease topics. Each Tuesday at 4:00 pm there is a campus-wide case conference held also at University Hospital. Eskenazi Health is a good place to see patients with HIV-related problems, endocarditis, ICU infections, device-related infections, septic arthritis, and many more. Residents receive weekends off on this rotation. There is a maximum of three housestaff per rotation and no minimum.

**Infectious Disease at Methodist Hospital**
**Director:** Ravi Misra, MD
**Contact:** Robin Sims (RSims1@IUhealth.org)

**Vacation/Interview days – Maximum 2 weeks**  
**Maximum residents per rotation = 2**  
***Not offered in blocks 1 or 7***

During this month, residents will work with the following Infectious Diseases specialists at Methodist Hospital: Dr. Mattison, Dr. Misra, Dr. Wack, Dr. Karnik, and Dr. Nagendran. This is primarily an inpatient rotation unless outpatient experience is desired. Objectives of this rotation are as follows: to develop a clinical approach to patients with fever, to employ diagnostic testing in a rational manner, to understand basic clinical microbiology as it applies to bedside patient management, to master principles of cost-effective antibiotic utilization, and to acquire inpatient disease management skills over a wide range of complex clinical problems (including infections related to surgery, trauma, and immunocompromising conditions). The most commonly seen inpatient problems include: sepsis, pneumonia, osteomyelitis, cellulitis, fever of unknown origin, peritonitis/intra-abdominal abscess, neutropenic fever, endocarditis, and infections in immunocompromised patients (HIV, heart and lung transplant recipients). There is an Infectious Diseases and Clinical Microbiology core lecture series. There is no overnight call responsibility during this month and the rotation is offered in all months except July and December.

**Neurology Consults**
**Director:** Riley Snook, MD (University)  
**rsnook@iupui.edu**

**Director:** Christina Ivan, MD (Eskenazi)  
**crivan@iupui.edu**
neurc.uh
neurc.ez
Vacation eligible: maximum 2 weeks
During this one-month elective, Internal Medicine residents participate in the evaluation and management of neurological patients on the inpatient neurological consultation service. On the consultation service at Eskenazi or IU Hospitals the resident works with the consult team seeing patients with common inpatient neurological disorders, including altered mental status, stroke, seizures, neuropathy, etc. During the month Internal Medicine residents are invited to teaching sessions on Friday at 2PM at the Neuroscience center. In addition, the rotating residents are invited to attend the Neuroscience Grand Rounds that typically meets in the Goodman Hall Neuroscience Center on Wednesdays at 5:00 pm. There are no night call requirements for Internal Medicine residents nor are there any weekend coverage requirements unless the Medicine resident chooses to do so. Vacation is allowed during the rotation. Evaluation: at the end of the month the rotating resident will perform a neurological exam under the observation of a faculty neurologist in order to receive constructive advice on how to improve the examination skills.

Neurology at Methodist
Direct: Laura Tormoehlen, MD (LTormoeh@IUhealth.org)
Vacation/Interview days - Limited to 14 days
Maximum Residents per rotation = 3
Residents work with a large multi-specialty neurology group at Methodist Hospital and will see a wide spectrum of acute and chronic neurological conditions, including stroke, epilepsy, multiple sclerosis, movement disorders, delirium/dementia, neurologic effects of systemic disease, and coma. The rotation is designed as an inpatient consultation elective. Outpatient neurology time may be arranged by request. This rotation has no overnight call obligations.

Palliative Care at EZ
Director: Lyle Fettig, MD
lyfettig@iu.edu
pallc.ez
Vacation Eligible: 2 weeks max
During this rotation, residents will see patients in consultation at Eskenazi Hospital with an interdisciplinary team that includes physicians, nurses, social workers, and a spiritual advisor. This rotation is primarily inpatient based, but residents also have the option to spend a couple of sessions in the palliative care clinics at Eskenazi Health. This includes our palliative clinic, co-management in the oncology clinic, and home visits. Residents learn about effective communication strategies, symptom management, interdisciplinary care, and the role of hospice in patients with serious illness. Eskenazi Health is the primary site for the Hospice and Palliative Medicine Fellowship. At the end of the month, residents will give a short presentation on a palliative care topic. Residents will attend our fellowship lecture series and attend EH Ethics Committee meetings.
Palliative Care at VA
Director: Wendy Siemion, MD
wsiemion@iu.edu, pager 310-6932, cell 206-013-7275
pallc.va
Vacation Eligible: Max of 2 weeks
During this rotation, residents will see patients in consultation at the VA Medical Center with an interdisciplinary team that includes physicians, nurses, social workers, a chaplain, and a psychologist. While the rotation is primarily inpatient based, residents also have the option to see patients on an outpatient basis in the specialty clinics at the VAMC, such as the medical or radiation oncology clinic. Residents will learn about effective communication strategies, symptom management, interdisciplinary care, and the role of hospice in patients with serious illness. At the end of the month, residents will give a short presentation on a palliative care topic. Residents will attend our fellowship lecture series at Eskenazi Hospital each Tuesday at noon. No evening or weekend responsibilities.

Palliative Care at Methodist Hospital
Director: Dr. Shilpee Sinha (SSinha@IUhealth.org)
pallc.met
Course Coordinator: Dee Hart (dhart6@IUHealth.org)
Vacation Eligible: Max of 2 weeks
Max Residents per rotation = 2
Residents rotating with the IU Palliative Care Team will provide consultations focusing on advance symptomatology, advance care planning, goals of care discussions and will learn to work on a large multi-disciplinary team. They will be placed at one of the two adult hospitals either MH or UH. Residents will have the opportunity to attend the fellowship lecture series each week and have didactics both formally and informally. There are no evening and weekend responsibilities. Residents will have the option to attend the biweekly ethics team meetings.

Palliative Care at University Hospital
Director: Amy Johnson, DO (aj94@iupui.edu)
Course Coordinator: Dee Hart (dhart6@IUHealth.org)
Vacation Eligible: Max of 2 weeks
Max Residents per rotation = 1
Residents rotating with the IU University Palliative Care Team will provide consultations focusing on advance symptomatology, advance care planning, goals of care discussions and will learn to work on a large multi-disciplinary team. Residents will have the opportunity to attend the fellowship lecture series each week. There are no evening and weekend responsibilities. Course Contact is Denise Hart, dhart6@IUHealth.org.

Pulmonary Consultation Service at Eskenazi
Director: Graham Carlos, MD
wcarlos@iu.edu
pulc.ez
Vacation Eligible: max 2 weeks

Maximum residents per rotation = 1

Housestaff interested in a pulmonary consultative experience can rotate on the Eskenazi consultation service as an elective. There are no call or weekend responsibilities during the elective. In addition to patient-directed teaching, housestaff are encouraged to attend weekly pulmonary conferences (two each week – Wednesday noon, Thursday 7:30am). Housestaff will become proficient in interpreting pulmonary function tests and chest radiographs. You will be expected to attend the tumor board meeting at 7 AM on the first and third Fridays of every month. This course is vacation eligible. One resident is the maximum allowed, however exceptions can be made on an individual basis.

Pulmonary Consultation Service at University
Director: Laura Hinkle, MD ljhinkle@iu.edu
pulc.uh
Vacation Eligible: maximum 2 weeks
Maximum residents per rotation = 1

Housestaff interested in a pulmonary consultative experience can do the IU consultation service as an elective. There is no call during the elective or weekend duties. In addition to patient-directed teaching, housestaff are encouraged to attend weekly pulmonary conferences (Wednesdays at noon and Thursdays at 7:30am). Lectures occur daily at 8am and attendance is required. (If the housestaff choose to attend the 7:30am pulmonary conference on Thursdays, they are excused from lecture that day.) Housestaff will become more comfortable in managing patients with pulmonary disease and interpreting pulmonary function tests, chest radiographs, and chest CTs. There are often opportunities to perform procedures such as thoracenteses and to observe advanced bronchoscopies if interested. This course is open to interns. One resident is the maximum allowed.

ICU/Pulmonary Consult at Methodist Hospital
Director: Robert Weller, MD (RWeller@iuhealth.org)
pulc.met
Vacation – Maximum 2 weeks Maximum residents per rotation = 1

Residents rotating on the Methodist ICU/Pulmonary Service will provide pulmonary consultation and primary inpatient management for patients with a wide range of pulmonary disorders. The resident will work under the direct supervision of a pulmonologist with the IU Health Methodist Critical Care Physicians group. The major focus is inpatient pulmonary consultation on medical and surgical patients. There will be exposure to the entire scope of diagnostic procedures including bronchoscopy and thoracentesis as well as PFT and radiograph interpretation. Disease management of asthma, COPD, interstitial lung diseases, and lung cancer will be stressed. The resident will attend and participate in the pulmonary case conferences and may attend the critical care didactics sessions as well. With advance request, upper level residents can arrange for a greater emphasis on critical care or outpatient pulmonary care according to preceptor assignment. This rotation has no overnight call obligations.
Psychiatry Consultation-Liaison Elective at VA
Director: Maria Poor, M.D. (Primary) mpoor@iupui.edu; Eric E. Boss, MD (Secondary) eboss@iupui.edu
Assistant/Coordinator: Amelia Basham, amelia.basham@va.gov, 317-988-2906
Vacation Eligible: Maximum of 2 Weeks
Maximum residents per rotation = 2
Medicine residents are often exposed to psychiatric diagnoses, but may at times feel as if they are not trained to diagnose or treat these conditions, despite the frequency they will continue to see patients with depression, anxiety, or psychotic symptoms in the course of their future careers. In this elective, residents will gain experience and confidence in conducting general basic psychiatric evaluations of patients in various medical settings, in a consultative role. This will include working most prominently with medical inpatients, but also Emergency Room evaluations, and potentially consultations for outpatient primary care and subspecialty services. During this rotation, residents will develop a knowledge base on how to recognize common psychiatric diagnoses, will learn how to evaluate safety (i.e., suicidality and homicidal ideation) and how to use and prescribe common psychotropic medications. Residents may email Dr. Poor prior to the rotation start. Alternatively, you may call her (x83908) or page (310-4540) at 8:00 am on the first day of the rotation.

Nephrology Consults at University Hospital
Director: Tim Sutton, MD Email: tsutton2@iu.edu
Vacation Eligible: maximum 2 weeks
Maximum residents per rotation = 2
The nephrology consult service at University Hospital is comprised of an IU faculty, fellow, and electing residents and medical students. We see a wide variety of interesting and complex cases of acute and chronic kidney failure in association with diverse underlying pathologies including liver failure, bone marrow transplant, malignancies, hematologic disorders, sepsis and complications related to surgeries. The average consult census varies between 10-15 patients. The resident and student will have the opportunity to attend nephrology core lectures, nephrology grand rounds, kidney biopsy conference, nephrology case conferences, journal clubs and medicine grand rounds. The residents may perform central venous access of hemodialysis catheters, and assist with kidney biopsies. We work together as a team solving one puzzle after another as the residents and students eventually become kidney detectives. There is a maximum of two housestaff per rotation. No overnight or weekend responsibilities are required. Residents should page the nephrology fellow on call at 8:00am on the first day of the rotation.

Nephrology Consults at VA
Director: Timothy Sutton, MD, tsutton2@iu.edu
Vacation eligible: Maximum of 2 weeks
Maximum residents per rotation = 2
The nephrology consult service at the VA maintains a service of approximately ten patients daily that consists of a variety of acute and chronic kidney failure cases associated with diverse underlying pathologies including liver failure, cardiac failure, and sepsis. In addition, a variety of cases are seen involving electrolyte abnormalities, acid/base disturbances as well as occasional toxic ingestions/poisonings. The resident and students will have the opportunity to attend nephrology core lectures, the Tuesday general nephrology clinic, nephrology grand rounds, kidney biopsy conference, nephrology case conferences, journal clubs and medicine grand rounds. The resident may have the opportunity to perform central venous access for hemodialysis catheters and assist with kidney biopsies. In addition, the team will have the opportunity to assist in acute issues in the outpatient dialysis unit. We work together as a team solving one puzzle after another as the residents and students become kidney detectives. There is no overnight call obligation during this month. Residents should page the nephrology fellow on call at 8:00 am on the first day of the rotation.

Nephrology Consults at Methodist with IU faculty
Director: Tim Sutton, MD
tsutton2@iu.edu
renc.met
Vacation eligible:
Maximum 2 weeks
Maximum residents per rotation = 2
The IU nephrology consult service at Methodist Hospital is comprised of an IU faculty, fellow and electing residents and medical students. The service has a census of 10-15 patients that consists of a variety of non-ICU acute and chronic kidney failure cases associated with diverse underlying pathologies underscored by the volume of heart failure and cardiovascular disease that is seen at Methodist Hospital. In addition, a variety of cases are seen involving electrolyte abnormalities, acid/base disturbances as well as occasional toxic ingestions/poisonings. The resident and students will have the opportunity to attend nephrology core lectures, nephrology grand rounds, kidney biopsy conference, nephrology case conferences, journal clubs and medicine grand rounds. We work together as a team solving one puzzle after another as the residents and students become kidney detectives. There is no overnight call obligation during this month. Residents should page the nephrology fellow on call at 8:00 am on the first day of the rotation.

Nephrology Consults at Eskenazi
Director: Tim Sutton, MD
Tsutton2@iu.edu
renc.ez
Vacation eligible Maximum 2 weeks
Maximum residents per rotation = 2
The Eskenazi nephrology consult service is comprised of an IU faculty, fellow and electing residents and medical students. The consult service is typically a dynamic
month that sees a wide variety of acute and chronic kidney failure cases associated with a variety of underlying pathologies including liver failure, cardiac failure, sepsis, toxicities and ingestions. In addition, a variety of cases involving electrolyte and acid/base abnormalities are seen. The service ranges anywhere from 10-20 patients daily with high turnover and the opportunity to see many different disease processes. The resident and students will have the opportunity to attend daily renal core lectures, the Tuesday general nephrology clinic, renal grand rounds, renal biopsy conference, renal case conference, renal journal clubs, and medicine grand rounds. The resident may have the opportunity to perform central venous access of hemodialysis catheters and assistance with renal biopsies. We work together as a team solving one puzzle after another as the residents and students become kidney detectives. There is no overnight call obligation during this month. Residents should page the nephrology fellow on call at 8:00am on the first day of the rotation.

Nephrology Transplant Elective
Course Director: Asif Sharfuddin, MD
e-mail: asharfud@iu.edu
Coordinator: Joni Price
e-mail: price21@iu.edu
renaltpt.uh
Vacation Maximum 2 weeks
Maximum residents per rotation = 1-2 (course director must approve more than one resident)
This is a special elective designed for 2nd and 3rd year residents who have an interest in transplant nephrology. Residents will be exposed to a wide variety of transplant related disorders both in the inpatient and outpatient setting. The inpatient team consists of one Transplant Nephrologist Attending, one Nephrology Fellow, and a Transplant Nephrology Fellow. The resident will work under the supervision of the nephrology or transplant fellow and the attending on an inpatient service with an average census varying between 5-15 daily patients. The resident will also provide renal consultation on the surgical kidney and liver transplant patients, follow new kidney and kidney/pancreas transplants, and manage a variety of transplant related complications, under the supervision of the fellow and the attending. The resident will be given primary responsibility for admissions, notes, discharges on a handful of primary service patients with a maximum cap of 5 primary patients. The total number of patients followed by the resident will not exceed the maximum cap of patients per housestaff policy. There will be no overnight call or weekend duties for the residents. On the outpatient service, the resident will attend one to two weekly Renal Transplant clinics with one of the five Transplant Nephrology Attending. In addition they will also be exposed to the new kidney transplant follow up clinic at least twice during the rotation. They will also have the opportunity if requested to see pre-transplant potential donor and recipient patients in the pre-transplant clinic with the attending at least twice during the rotation. Residents will also observe the renal transplant biopsies performed by the fellow or attending. Didactic conferences during the month which the resident will attend include weekly Renal Grand Rounds, Renal Biopsy Conference, Renal Transplant Core Lecture, Fellows Friday Conference/Journal Club, and Fellow Core
Renal Lectures. Residents will be allowed to attend their Medicine core required conferences and will continue to attend their continuity clinics.

**Toxicology Consults**

**Director:** Louise Kao, MD  
**Secondary Contact:** Jennifer Sanders  
**tox.met**  
**Vacation – Maximum 1 week (must be present at least 21 days of the rotation)**  
**No vacation allowed on Rotation 7.**  
**Maximum residents per rotation = 1-2 depending upon other services participating**  
The Medical Toxicology Service consults on patients at Methodist, Eskenazi, IU, and Riley Hospitals. The day begins with in-patient rounds followed by a review of Poison Center cases that have been admitted around the state. Lectures on core topics are presented by the fellows and faculty. Core topics include: General management, acetaminophen, cyclic antidepressants, cardiac drugs, toxin-induced seizures and coma and other pertinent topics. Residents will be assigned topics of interest for a brief informal presentation each week. Residents choose nine days of "home call" during which they will be paged to come in for new consults (seven calls if taking one week of vacation). The resident will generally be accompanied by a fellow or staff member for consults. The schedule generally provides ample opportunity for reading. A maximum of one week of vacation can be taken during this rotation provided at least three weeks are spent on rotation. Please note that during December this may limit your ability to take vacation. There will be 1-2 positions available for medicine residents per month depending upon enrollment from other services. There will be a quiz at the end of the month. Residents will have the opportunity to see neurotoxicology patients, and spend time in the Poison Center listening to calls. A detailed rotation packet can be found on iArbed.

**AMBULATORY & OTHER NON-WARD REQUIRED ROTATIONS**

**Ambulatory Care Block for PGY1**  
**Director:** James Hotz  
**Minimum Residents per rotation = 3; Maximum residents per rotation = 5**  
**Coordinator:** Kelly Ballenger (ksballen@iu.edu); 278-2652  
**Chief:** Deema Alshawa (dalshawa@iupui.edu); 278-2699; pager 310-7546  
**Dr. James Hotz:** jahotz@iupui.edu, 229-854-1097, pager 310-4740  
**Vacation INEEligible (except Med-Peds-max 1 week)**  
Interns will participate in a 4 week rotation devoted solely to ambulatory care. During this month, interns spend their time in outpatient clinics located on the campus hospitals and also in private offices in Indianapolis. Interns are assigned to core 1 week experiences in various general and medical specialties which will be part of a 3 year rolling curriculum. In addition, interns also participate in weekly didactic sessions geared toward outpatient medicine, complete interactive web-based computer modules ("Hopkins modules") associated with the core experience
they are in, and participate in a workshop to improve their cardiovascular exam skills. Most residents will spend some time in their continuity clinic doing make-up clinics.

**Ambulatory Care Block for PGY2**
Director: James Hotz MD

Ac2
Coordinator: Kelly Ballenger (ksballen@iu.edu); 278-2652
Chief: Deema Alshawa (dalshawa@iupui.edu); 278-2699; pager 310-7546
Dr. James Hotz: jahotz@iupui.edu, 229-854-1097, pager 310-4740

Vacation/Days off Eligible – Maximum 1 week, weeks 1 and 4 of rotation vacation ineligible due to CQI!

Second-year residents will participate in 2 separate 4 week rotations devoted solely to ambulatory care. Residents are assigned to core 1 week experiences in various general and medical specialties which will be part of a 3 year rolling curriculum. In addition, Residents also participate in weekly didactic sessions geared toward outpatient medicine, complete interactive web-based computer modules (“Hopkins modules”) associated with the core experience they are in. Many residents will spend one week of ambulatory in their continuity clinic immersion week and have scheduled make-up clinics.

**Advanced Ambulatory for PGY3**
Director: Noelle Sinex MD, James Hotz MD

adv_ac
Coordinator: Kelly Ballenger (ksballen@iu.edu); 278-2652
Chief: Deema Alshawa (dalshawa@iupui.edu); 278-2699; pager 310-7546
Dr. James Hotz: jahotz@iupui.edu, 229-854-1097, pager 310-4740

Vacation/Days off Eligible – Maximum 1 week

Third-year residents will participate in 2 separate 4 week rotations devoted solely to ambulatory care. Residents are assigned to core 1 week experiences in various general and medical specialties which will be part of a 3 year rolling curriculum. Residents also participate in weekly didactic sessions geared toward outpatient medicine, complete interactive web-based computer modules (“Hopkins modules”) associated with the core experience they are in. Many residents will spend one week of ambulatory in their continuity clinic immersion week and have scheduled make-up clinics.

**Emergency Medicine at Eskenazi**
Director: Butch Humbert, MD (ahumbert@iu.edu)
EM Chief (chiefsIUEM@gmail.com)

ERW.EZ

Vacation INEligible

Residents are required to do one ER month their 2nd year. During a shift, residents are assigned to either the intake/low or high acuity areas. However, residents are assigned to shifts in both areas during the rotation so that, during the month, they are seeing “all comers.” Emergency Medicine physicians supervise residents 24 hours daily. Residents are involved in the care of all patients presenting to the Emergency Department except those with major trauma. The curriculum
specifically administered for non-emergency medicine residents consists of a web-based self-study component that can be accessed here:  

Although there is no call, shifts are nine hours long and are scheduled around the clock every day. Residents are scheduled for approximately 17-19 shifts for the block. There is a combination of day, evening, and overnight shifts. Night and weekend shifts are evenly distributed among those residents on the schedule for the month. Resident schedules are made up by the Emergency Medicine chief resident. All schedule requests should be made at least six weeks prior to the start of the month. Due to many last minute changes in who will be rotating with us, the schedule will not be available until 2-3 weeks prior to the start of the month.

**Emergency Medicine at Methodist**  
**Director:** Butch Humbert, MD  
**EM Chiefs**  
(chiefsIUEM@gmail.com)  
er.met  
**Vacation INEligible**

Residents are required to do one ER month their 2nd year. During a shift, residents are assigned to either the delta (lower acuity) or constant care (higher acuity) areas. However, residents are assigned to shifts in both areas during the rotation so that, during the month, they are seeing “all comers.” Emergency Medicine physicians supervise residents 24 hours daily.

Residents are involved in the care of all patients presenting to the Emergency Department except those with major trauma.

The curriculum specifically administered for non-emergency medicine residents rotating in the emergency department consists of a web-based self-study component that can be accessed here:  

Although there is no call, shifts are nine hours long and are scheduled around the clock every day. Residents are scheduled for approximately 17-19 shifts for the block. There is a combination of day, evening, and overnight shifts. Night and weekend shifts are evenly distributed among those residents on the schedule for the month. Resident schedules are made up by the Emergency Medicine chief resident. All schedule requests should be made at least six weeks prior to the start of the month. Due to many last minute changes in who will be rotating with us, the schedule will not be available until 2-3 weeks prior to the start of the month.

**Geriatric Medicine Core Rotation**  
**Director:** Glenda Westmoreland, MD (IU Health Methodist, Eskenazi, and VA)  
**gerc**  
gwestmor@iu.edu; 880-6576
Vacation Ineligible
Maximum Number of Residents per rotation = 5
The goal of this required PGY1 rotation is to provide insight into the unique problems of older adults. During the rotation, residents will acquire fundamental knowledge and skills which are applicable to older adults in both primary care and subspecialty fields. Toward meeting these goals, residents will rotate to a variety of venues including primary care, consultative and subspecialty geriatrics clinics; extended care facilities; and Acute Care for Elders Services in both Eskenazi and IU Health Methodist. Residents will make house calls including one house call to one of their continuity clinic patients. Geriatric conferences occur during academic half day sessions and cover a variety of clinically relevant topics (drug prescribing in older adults, delirium, dementia, depression, geriatric assessment, falls, etc.). Residents will participate in the “Root Cause Analysis Project” while on ACE Eskenazi. They will be assigned a patient with a 30 day readmission and by using their “ACE and geriatrics glasses” will research the medical reasons and/or social determinants bringing them back into the hospital. The registry’s design is to be able to spot patterns in the data that will help in the development of process improvements, a common construct in population health management. All residents participate in identifying an evidence-based review of the geriatrics literature on a clinical topic they select and deliver a power point presentation based on that systematic review to a multidisciplinary audience at the end of the rotation.

Rheumatology Clinics and Consults
Director: Renee Moenning, MD; rmoennin@iu.edu
(University Hospital, VA Hospital, Eskenazi Hospital) rheumc
Coordinator: Linda Cucci- lcucci@iu.edu; 274-7177
Vacation/Days off Eligible: Maximum 1 week
On this rotation, you will be exposed to rheumatic diseases primarily in an outpatient setting. Participation in the inpatient consult service is optional. A series of interactive sessions and lectures that cover the gamut of musculoskeletal problems will be completed. You will learn to use laboratory and imaging tests to help diagnose and manage rheumatic diseases. Appropriate techniques of arthrocentesis will be reviewed and every effort will be made to help residents who desire arthrocentesis experience to achieve this. You will receive educational material and links to useful websites to help prepare for the sessions. PGY2 and 3 residents may be scheduled for their one week in their clinic immersion experience during this rotation. There are several additional optional lectures that are offered during this month as well as a mandatory Rheumatology weekly Grand Rounds that you will attend as long as it doesn’t interfere with your continuity clinics. You will be contacted by Linda Cucci 1-2 weeks prior to the rotation with the orientation, schedules, locations of clinics/lectures, and other details.

Patient Safety Rotation
Course Director: LeeAnn Cox, MD safety.va
Contact - VA: LeeAnn Cox; leeann.cox@va.gov; phone 988-3918; pager 310-7758
Chief Resident – Matthew Makoski; matmakow@iupui.edu; pager 310-7565
Must be at least a PGY2 to take this course

This rotation allows an upper-level resident to experience and participate in patient safety through an independent learning model evaluating real-time patient safety concerns with the help of a mentor. The experience is supplemented with concept specific didactics, selected applicable literature to supplement didactics, and provide independent knowledge enhancement. The rotation includes opportunities to participate in a robust Peer Review Process, RCAs (root cause analysis), investigate near miss or key incidents in patient safety, and work in conjunction with the patient safety officers. Residents promote a culture of safety through peer to peer elicitation of safety concerns. Additional opportunities of investigation may be provided related to reported adverse events, near misses, codes, “bounce-back” patients, unexpected ICU transfers etc. Consults are “staffed” with a safety mentor. Residents participate in one half day clinic per week which focuses on transitions of care, especially on safe hospital and ECF discharge. Residents demonstrate the knowledge, skills, and attitudes gained from this rotation during an end-of-month conference at each respective hospital highlighting one or more interesting cases, safety topics, or system barriers they have identified. Residents propose recommendation for a systems change to address at least one problem identified for each patient safety consultation and work with leadership to communicate these ideas to the appropriate parties to consider implementation. This is a required rotation for categorical residents and is being modeled by other programs around the country.

WARD SELECTIVE ROTATIONS

Ward Selectives include all the subspecialty inpatient services. Hospital location is indicated by ending of rotation name.

.KI = Krannert at Methodist Hospital
.MET = Methodist Hospital
.UH = University Hospital
.VA = VA Hospital
.EZ = Eskenazi Hospital

Gastroenterology Wards at University
Director: Christen Dilly, MD, MEHP
Email: cklochan@iu.edu
Coordinator: Marketa Ruzickova (maruzic@iu.edu)GIW.UH

Vacation INEligible

The UH Gastroenterology service is a consult-based ward service that consists of an attending physician, one fellow, two residents, and occasional students. There are separate Hepatology and pancreaticobiliary services. Housestaff are offered the opportunity to work with faculty from the GI Division ranked consistently in the top 20 academic programs in the country. Typical problems include inflammatory bowel disease and its complications, GI bleeding, GI malignancies, motility disorders and functional disorders. Housestaff will learn the diagnosis and treatment of acute upper
and lower GI tract bleeding, occult/obscure bleeding, inflammatory bowel disease, acute necrotizing pancreatitis, GI tract malignancies, and symptoms such as nausea/vomiting, abdominal pain, and diarrhea. Opportunities are available to watch a wide variety of GI procedures. There will be weekly one-hour didactic sessions specifically for residents, but residents also attend conferences with the fellows. Call is taken in rotation with the other ward residents at University Hospital.

**Hematology Wards at University**
**Director:** Naveen Manchanda, MD  
**Email:** nmanchan@iu.edu

**HEMW.UH**  
**Vacation INEligible**

There is one hematology team consisting of an attending, one fellow, one resident, two interns, and one medical student. The 28 bed hematology-oncology unit is located in the IU Simon Cancer Hospital. All beds provide a protected environment for cytopenic patients receiving intensive combination chemotherapy. Residents are part of a multidisciplinary team which includes a hematology nurse, pharmacist, social worker, dietician and care manager. There is often regular interaction with an Infectious Disease consultant who may assist with some immunocompromised patients. The service admits approximately 44 patients per month and averages a daily census of approximately 10-16 patients. Residents attend division conferences as time permits.

**Hepatology [Liver] Wards at University**  
**Director:** Marwan Ghabril, MD  
**Email:** mghabril@iu.edu

**GILIVW.UH**  
**Vacation INEligible**

The Hepatology service is based at University Hospital and consists of an attending physician, one fellow, one resident, two interns, and occasionally a medical student. Typical problems include acute and chronic hepatitis, liver cirrhosis and its complications, transplant workups, and post-transplant care. Housestaff rotating on the hepatology service are strongly encouraged to attend the weekly didactic sessions that are given to the GI fellows on the gastroenterology rotation. Additional hepatology-specific teaching sessions are given by faculty and fellows during the rotation.

**Infectious Diseases Wards**  
**Director:** Cole Beeler, MD  
**e-mail:** cbeeler@iu.edu

**Coordinator:** Nichelle Turentine  
**e-mail:** nturenti@iu.edu

**IDCC.UH**  
**Vacation INEligible**

The resident participates as part of a consult team involving an attending physician, one resident on the ward rotation, typically 1-2 residents on the consult rotation, and often 4th year medical students. The service sees about 60 consults per month. The month begins with an orientation session; all relevant reading material for lectures are made available on-line. There is an organized campus-wide case
discussion and educational series held at Emerson Hall on Monday and Thursday mornings (7am) reviewing core infectious disease topics. Each Tuesday at 4pm there is a campus-wide case conference held also at University Hospital. Issues that frequently arise in the course of patient care include HIV care problems, ICU infections, unexplained fevers and/or leukocytosis, meningoencephalitis, orthopedic infections, bacteremias and catheter-related infections, and infections of implanted devices. Additionally, residents will gain experience dealing with infections specifically encountered in the immunosuppressed patient populations encountered on the bone marrow and solid organ transplant, hematology, and oncology services. Call is taken in rotation with the other ward residents at University Hospital.

**Oncology Wards at University**  
**Director:** Naveen Manchanda, MD  
**Email:** nmanchan@iu.edu  
**ONCW.UH**  
**Vacation INEligible**  
There is one oncology team consisting of an attending, one fellow, one resident and one intern. Typical problems include testicular cancer, breast cancer, other solid organ tumors, and complications of chemotherapy. The service admits about 50-60 patients per month with an average daily census of about 8-12 patients. Residents can expect to care for patients undergoing chemotherapy, complications of chemotherapy or cancer, and manage end of life care. This rotation will be phased out over the 2018-2019 academic year, and replaced by the Oncology Clinic and Consults rotation. An oncology inpatient elective experience will be available as well at that time.

**Pulmonary Ward Service at University Hospital**  
**Director:** Laura J. Hinkle, MD  
**Email:** ljhinkle@iu.edu  
**PULW.UH**  
**Vacation INEligible**  
One second or third year resident oversees an intern on this rotation, who both work closely with the pulmonary faculty and pharmacist on the team. The average daily census is 10-14 patients on this ward service. Common medical problems include pneumonia, cystic fibrosis (max of 7 CF patients on the service at any time), interstitial lung diseases, pulmonary hypertension, lung cancer, and COPD. Housestaff will become comfortable managing patients with primary pulmonary complaints along with improving their proficiency in interpretation of CXRs and chest C Ts. Housestaff also frequently have the opportunity to perform procedures such as thoracenteses with faculty supervision. Daily teaching lectures are held Monday-Friday at 8am. Attendance at these lectures is required. This course is not vacation eligible.

**IU Nephrology Wards**  
**Director:** Tim Sutton, MD  
**Email:** tsutton2@iu.edu
The IU nephrology ward service at IU Health Methodist Hospital is a separate and distinct consult team at Methodist Hospital comprised of a faculty member and 2 residents. Medical students are welcome to rotate for the month. Although distinct, this rotation is similar to the nephrology consult service at Methodist Hospital in that it is consultative and not primarily responsible for patient care. The service has a census of 10-15 patients. Patients seen are a variety of non-ICU acute and chronic kidney failure cases associated with diverse underlying pathologies underscored by the volume of heart failure and cardiovascular disease that is seen at Methodist Hospital. In addition, a variety of cases are seen involving electrolyte abnormalities, acid/base disturbances as well as occasional toxic ingestions/poisonings. The residents and students will have the opportunity to attend nephrology core lectures, nephrology grand rounds, kidney biopsy conference, nephrology case conferences, journal clubs and medicine grand rounds. We work together as a team solving one puzzle after another as the residents and students eventually become kidney detectives. There is overnight call obligation during this month at University Hospital.

The Cardiology (Krannert) Ward rotation exposes residents to two different Krannert cardiology teams: Team A and Team C. Krannert Team A exposes residents to a primary, general cardiology/CCU service consisting of patients with acute ischemia/basic chest pain management, post-myocardial infarction care, complex arrhythmias, congestive heart failure, as well as assisting with CV surgery patients. Krannert Team C exposes residents to a Cardiology consult service that manages a broad range of cardiovascular disease in the setting of acute medical/surgical illnesses. Each service will consist of an attending, a fellow, a resident, and 2 or 3 interns. Residents and interns will switch services at the midpoint of rotation to allow equal exposure to all aspects of cardiology. The residents will not take overnight call on the rotation but will provide long-call supervision coverage for the interns on Tuesdays, Thursdays, and weekend days. The attending physician will supervise interns on Mondays, Wednesdays, and Fridays. Each intern will have several long shifts consisting of admitting and cross coverage responsibilities until 9pm. This rotation also offers a wide variety of cardiology and internal medicine teaching noon conferences, weekly cardiology grand rounds, and weekly ECG reading sessions at Methodist Hospital.

ICU and Float

ICU/Critical Care Medicine Service at University
Director: Khalil Diab, MD; e-mail: kdiab@iu.edu
ICU.UH
Vacation INEligible
Four second and third year residents care for a daily census of 12 to 20 ICU patients. Common problems include acute or chronic hepatic and respiratory failure, septic
shock, acute renal failure, and GI emergencies. The critical care medicine (CCM) team also handles complicated neurology, and some surgical subspecialty patients, e.g., urology and thoracic surgery. Residents have access to a senior CCM fellow who is assigned to the ICU and available for assistance with procedures or difficult management issues. Pulmonary/CCM fellows and staff provide bedside teaching and directly supervise patient care. Staff intensivists and fellows provide 24/7 in-house coverage in the ICU, assisting residents in patient care issues. Subspecialist attending physicians (pulmonology, nephrology, gastroenterology, hepatology, and others) and dedicated ICU nutritionists, respiratory therapists, nurses, and pharmacists supplement CCM teaching. There are daily teaching lectures (M-F: 8-8:15 am) that all residents and students are expected to attend. Patient care in this environment is optimized by a multidisciplinary team approach so that any questions regarding medical ethics, evidence-based medicine, medication dosages, discharge planning etc. can occur efficiently. It is expected that residents will gain expertise in ventilator management, management of septic shock and ARDS, critical care ultrasonography, ICU monitoring, and be able to get “signed off” on the majority of required ICU procedures. Fourth year students may elect to do this rotation as a subinternship. Call is every 4th night.

ICU at Methodist Hospital
Director: Scott Roberts, MD (Scott3@IUhealth.org)
Assistant Director: Rajat Kapoor, MD rakapoor@iupui.edu
ICU.MET
Vacation INEligible Typically restricted to PGY1s and MP’s PGY-2 who did not complete during their PGY1 year.

Methodist ICU is a busy critical care service, in which interns care for ICU and/or pulmonary floor inpatients under the supervision of Internal Medicine faculty trained in Critical Care Medicine. This ICU experience is unique in that nearly all teams are one to one intern to staff teams. Medicine interns will have the opportunity to rotate on the adult medical ICU teams or the Neurocritical care/Cardiovascular care teams. If an intern is particularly interested in one of the subspecialty ICU’s they should contact the chief resident ahead of time. There are ample opportunities to manage ventilators and perform procedures. Housestaff will not have call, but days will consist of coverage from 7am to 7pm. There are ICU lectures given several days a week and the rotation requires the completion of at least 10 of the SCCM modules on a variety of critical care topics that can be accessed from IU Canvas.

ICU NIGHT MEDICINE at Methodist
Director: Angie Fiege, MD (AFiege@IUhealth.org)
ICUNIGHTS.MET
Vacation INEligible
The night ICU experience is primarily reserved for 3rd and 4th year medical residents with strong interest in intensive care or procedural medicine, typically with career plans to pursue Critical Care Medicine, Cardiology, or hospitalist medicine with a focus on ICU care. Housestaff will typically work 14 shifts over the course of the month with coverage from 6pm to 7am. This rotation is designed to be an intense
and busy ICU experience with responsibilities including the performance of a large number of critical care procedures, running all overnight codes, admitting and stabilization of new ICU admissions, as well as directing physician extenders to aid in efficient work completion. There will be some cross coverage responsibilities in addition to assisting physician extenders with unstable patients or the performance of medical procedures. There will be an ICU staff present in house at all times.

ICU/ Pulmonary Critical Care Medicine Service at VA
Director: Joe Smith, MD; jps2@iu.edu
ICU.VA
Vacation Ineligible
Two to three upper level residents and zero to two interns care for all medicine and pulmonary patients admitted to the intensive care unit. Pulmonary/Critical Care Medicine faculty and fellows provide oversight of patient care, patient-centered bedside teaching, and frequent pulmonary and critical care didactic teaching sessions. A pulmonary/critical fellow is dedicated to this ICU and directs the ICU admissions, coordinates care with the housestaff, and is available to assist with procedures. Housestaff are encouraged to attend in person or via video conference the weekly divisional teaching conferences with the pulmonary fellows. Call is every 4th night for the residents and short call for interns.

ICU/Critical Care Service at Eskenazi
Course Director: Graham Carlos, MD
wcarlos@iu.edu
ICU.EZ
Vacation INEligible
This rotation is a busy ICU teaching service consisting of two teams each with an attending, a pulmonary/critical care fellow, and two upper-level residents. We will frequently have a PGY2 family practice resident as well. The ICU team will admit critically ill patients, including those requiring mechanical ventilation, non-invasive ventilation, and vasopressors. Call is every 4th night and alternated between the two ICU teams. Residents will have daily didactic lectures given by pulmonary/critical care attendings and fellows. Residents are not expected to attend morning report, but are encouraged to do so if time permits.

Night Float at Eskenazi
Director: Curtis Wright, MD
cuwright@iu.edu
FLOAT.EZ
Vacation INEligible
This rotation is a non-vacation eligible, required rotation. Four residents and four interns per month will be assigned to this rotation. This rotation is incorporated into the Green team ward team. Overnight, there will be one resident who takes a shift from 5p to 7a. He/she will see admits to Green team, general medicine consults, and holdovers to other ward teams with assistance from the night float interns who will work a 7:30am to 9:30am shift. Residents will spend two weeks on nights (during
which they will work approximately 3-5 nights on and have approximately 3-5 nights off in a row) and two weeks on a day team consisting of two residents and a staff physician. Interns work approximately 3-5 nights on, 3-5 nights off, but this is highly variable.

**Night Float at VA**
**Director:** Lindsey Reese, MD  
Lindsey.Reese@va.gov

**FLOAT.VA**
**Vacation:** Maximum of 2 weeks for interns. **INEligible for Residents.**

VA night float consists of 4 interns and 2 residents each rotation. Each night, the float team will be made up of 2 interns and a dedicated night float resident who will provide supervision. Interns are responsible for new patient admissions, providing cross-cover for the ward teams in addition to responding to all codes and rapid responses. The resident will supervise all admissions, procedures, and cross-cover. The night float team will staff up to three of their admissions with one of the ward teams in the morning on a daily basis. Interns work nights for approximately 2 weeks of the rotation with the other 2 weeks reserved for pre-scheduled vacation and continuity clinic immersion activities. The residents also work nights for approximately 2 weeks of the rotation with the other 2 weeks spent performing administrative activities including: presenting journal club if not yet completed, completing Johns Hopkins modules, EKG quizzes, on-course quizzes, attending continuity clinic, make-up clinics and other educational tasks in addition to covering night float responsibilities on Saturday nights.

**GENERAL MEDICINE WARD ROTATIONS**

**General Medicine Wards at VA**
**Director:** Lindsey Reese, MD  
Lindsey.Reese@va.gov

**GIMW.VA**
**Vacation INEligible**

This is a busy inpatient teaching service consisting of one attending, one senior resident, two interns, a social worker and utilization manager, 0-1 sub-interns, 1-3 third year medical students, and a pharmacist. A broad range of medical problems will be encountered on this rotation. There is a closed ICU format, and transfer of patients to and from the ICU will be routine. The ward teams cover the step-down unit. There are four ward teams with non-overnight team call every 4th day.

**General Medicine Wards at Eskenazi**
**Director:** Curtis Wright, MD  
cuwright@iu.edu

**GIMW.EZ**
**Vacation INEligible**

This is a busy inpatient teaching service consisting of one attending, one senior resident, two interns, and two or three junior medical medical students. There may also be one senior medical student and one or two pharmacy students on the service on
any given month. A broad range of medical problems will be encountered on this rotation, from common medical problems to diagnostic dilemmas. This service will admit non-ICU patients, as well as take over care of ICU patients once they have improved and are transferred to the step-down unit or ward. There are five “traditional” ward teams with resident overnight call every 5th night.

**General Medicine Wards at Methodist**  
**Director: Mark Luetkemeyer, MD**  
**Vacation INEligible**

The inpatient teaching service at Methodist cares for a diverse group of patients under the supervision of the IU Health Methodist Hospital Hospitalist group. There are two teaching teams. One team consists of an attending, an upper level medicine resident, and two transitional interns. The other team consists of an attending, two upper level medicine residents, and a sub intern. The teams provide inpatient care either as a primary service or as a medical consultant. Each team will care for overnight holdovers, admissions from the emergency department, and transfers of care on a daily basis. Features unique to this rotation are the opportunity to experience and learn the nuances of the practice of medicine in a large hospital system, to experience and better understand the role of the hospitalist movement in the contemporary US healthcare system, the opportunity to work professionally as a team with surgical and consulting services, and the chance to gain a slightly different experience and perspective compared the traditional academic model.