

# SCHOLARLY ACTIVITY IN THE HONORHEALTH OSBORN FAMILY MEDICINE RESIDENCY PROGRAM

## 2022-2023 EXECUTIVE SUMMARY

### Overview

Clinical training focused on medical knowledge alone is not sufficient to prepare Family Medicine residents for the practice of medicine. As part of improving patient care, residents must be well-versed in inquiry: research, quality improvement, leveraging human and electronic resources, and applying research findings to patient care.

The Scholarly Activity Program (SAP) for Family Medicine provides residents with a strong foundational skillset, ensuring effectiveness in evaluating the care of the patient with best practices and proficiency in critical appraisal of peer-reviewed literature that supports a pattern of lifelong learning. Residents learn and implement principles of how research and Quality Improvement (QI) are conducted, evaluated, explained to patients, and applied to patient care. The Scholarly Activity Program is designed to help fulfill the residency program's practice-based learning competencies and milestones. Scholarly activities of residents and faculty are documented and assessed regularly as part of the Family Medicine Residency annual program evaluation process and are also assessed through the ACGME and program annual faculty and resident surveys.

This executive summary is organized into three parts. In Part I, scholarly activity processes and structures are identified and described. Part II provides details regarding resources in place to support scholarly research activities. Part III presents a list of recent faculty & resident activities.

# PART I – Processes for Scholarly Activity & Research

The Family Medicine Residency Program requires residents to submit scientific abstracts, posters and/or manuscripts to professional associations and publishers with the intent to present at conferences, publish in peer-reviewed journals, or participate actively in ongoing research at HonorHealth.

Family Medicine scholarly activity incorporates a variety of scholarship opportunities, including:

- Chief Rounds
- Community service and education
- Diabetes Group Visits
- Educational workshops, including simulation sessions
- Geriatric Conferences
- Grand Rounds
- Information Mastery seminars
- Journal club
- Management of Health Systems seminars
- Morning report
- Morbidity, Mortality & Improvement Conferences
- National and local conference presentation
- Didactic lunchtime conferences
- Patient Experience seminars
- Population Health seminars
- Procedure workshops
- Quality improvement (QI) projects
- Resident As Teacher seminars
- Resident-faculty meetings
- Resident Quality & Patient Safety initiatives
- Resident wellness seminars
- Diversity Equity and Inclusion seminars
- Scholarly research projects

Family Medicine faculty serve in a variety of roles to support resident scholarly activity. The Program Director and Associate Directors serve as facilitators for resident and faculty involvement in scholarly activities, including assistance with refining research questions, research design, plans for appropriate data collection/analysis, navigating the IRB application process (when indicated), co-managing a research/scholarly activity project, and poster presentation/publication support. Some scholarly activity involves case presentations/discussion. Various resources are provided to residents and faculty to help with writing as well as presenting case presentations (oral or poster).

All core faculty members and resident faculty advisors work with residents in the area of scholarly activity.

**ATTENDANCE** Residents are expected to attend all required residency conferences, meetings, and educational afternoon workshops/seminars. Residents and faculty are responsible for documenting scholarly activities in the online residency management software system, New Innovations. Emergent patient care duties take precedence over conference attendance requirements, however didactic material is uploaded to a protected shared drive as well as New Innovations for residents to review if a conference or workshop is missed.

*See Appendix A for Conferences & Lectures Master Schedule*

**EVALUATION** Scholarly activities of residents & faculty are documented, reviewed and assessed regularly through the annual ACGME Faculty & Resident Surveys, the ACGME Annual Update, and as part of the Family Medicine Annual Program Evaluation (APE), which is conducted annually by the Program Evaluation Committee (PEC).

Residents are evaluated on their performance in scholarly activities throughout their training, including during semi-annual milestone evaluations and during resident quarterly evaluations with their faculty advisor. Residents are awarded scholarly activity points for each completed scholarly activity during their three years of residency. A Resident Scholarship Award from the Association of Family Medicine Residency Directors is awarded upon graduation to the resident with the highest number of scholarly activity points.

*See Appendix B for the Scholarly Activity Point System.*

The sections below provide further details for each type of scholarly activity.

## Chief Rounds

Chief Rounds is a monthly conference presented by the Family Medicine Chief Residents for the current academic year. During the 2022-2023 academic year, Chief Residents Drs. Karina Luera and Nitika Mathew selected clinical topics for presentation to other Family Medicine residents.

## Community Service & Education

Community education is integrated throughout residency in multiple venues and on different rotations. Residents are required to participate in community events focused on delivering medical care to underserved patients. Tracking and recording of these efforts is required.

Community service activities for residents:

- Public health presentations of one such as Stop Smoking, COPD, Diabetes, Arthritis, “Tar Wars” presentations at elementary schools with a Family Medicine faculty member (Seniors, Mobile Home Parks, Retirement Communities)

- COVID vaccine administration
- Sports and back-to-school physicals
- Team Event coverage
- Hospice Volunteer Work
- Volunteer time for non-profit health agencies
- Volunteer work with a church and/or Youth Groups, homeless shelters, and STD/HIV clinics
- Other volunteer work for credit must be approved in advance by the Program Director.

## Diabetic Group Visits

Heuser Family Medicine Center is a licensed Centering Healthcare site for Diabetic Group Visits. Residents participate in these bimonthly visits during their required Ambulatory Family Medicine and Population Health rotations. The visits are facilitated by the residents in coordination with core faculty, RNs, nutritionists, pharmacists, and medical assistants to provide comprehensive education and medical oversight to patients.

## Grand Rounds

Each academic year, the HonorHealth Academic Affairs department sponsors a required bimonthly Grand Rounds series for all HonorHealth residents, fellows, and core faculty focusing on topics pertaining to the institution's clinical learning environment (CLE). These educational sessions cover a range of topics as defined in the ACGME Common Program requirements to ensure compliance and oversight of the clinical learning environment at both the institutional and program levels. Specific topics include patient safety event reporting and disclosure, fatigue mitigation/impairment, well-being, empathic communication, just culture, scholarly activity, diversity/equity/inclusion in the workplace, healthcare disparities, transitions of care, and professionalism. Topics are revised each academic year based upon the clinical learning environment experience and feedback from residents, fellows, and the sponsoring institution's academic affairs leadership.

In addition, HonorHealth offers several other grand round series including Family Medicine Grand Rounds (FMGR), which is a resident-led CME activity for HonorHealth. It is designed to expand resident and faculty's understanding of and participation in hospital quality/ patient safety initiatives, gain insights into population health and the impact of health disparities, and to establish ongoing interaction and collaboration with HonorHealth clinicians and staff. Under faculty guidance, the resident develops and presents a quality-driven grand rounds to medical staff. A medical librarian provides evidence-based literature, and a quality outcomes representative provides additional resources and data.

Recent FMGR topics have included:

- Chronic Low Backpain
- Outpatient Burns
- Severe Hypercalcemia
- The Social Determinants of Health
- Healthcare Associated C.diff
- Medical Marijuana
- Anxiety

## ResQIPS Curriculum and Workshop Series

HonorHealth has developed an innovative framework and curriculum called ResQIPS (Research, Quality Improvement and Patient Safety), linking education and support on research and QI/PS activities to scholarship, and with the intent of increasing scholarly projects and improving outcomes. ResQIPS is designed to support the advancement of research, quality improvement and scholarship for the network's medical residency and fellowship programs and, more broadly, across multiple disciplines in the network. The ResQIPS learning objectives are as follows:

- Design a significant clinical question that aligns with the ResQIPS Framework
- Describe the steps involved in conducting investigator-initiated human subject research & prepare for IRB application submission
- Use Quality data and tools to support practice or improvement initiatives
- Describe methodology and design considerations for QI and Research projects
- Identify tools, resources and mentors needed to support research activities
- Develop a scholarly project
- Collect and analyze data
- Disseminate findings through local, regional or national presentations and/or through peer-reviewed journal article publication

ResQIPS didactics include grand rounds presentations, faculty development sessions, workshops, 'snippet sessions' (short, 15-minute presentations on a research topic of interest), ResQIPS newsletters, 1:1 mentoring sessions, and statistical consultations. Fellowship/Residency, Faculty and IPE projects are showcased to the organization in poster and presentation sessions annually.

## Journal Club

Journal club is designed to expand skills in appraisal and assimilation of evidence from scientific studies. It is a monthly, resident-led, interactive session under the supervision of core faculty with content expertise relevant to the topics chosen for presentation. Reading assignments and participation are mandatory. Journal club activities are intended to assist residents in critically analyzing their own care against the most up-to-date information on diagnosis and treatment effectiveness.

## Morbidity, Mortality & Improvement (MM&I) Conference

This is a resident-led conference in which a PGY1 resident partners with a PGY2/3 resident to identify cases with adverse events, prepare a case review, analyze the event using the University of Colorado, Hospital Department of Medicine's Modified Root Cause Analysis, and propose action steps to prevent similar events in the future. Cases may be found through peer review, incident or mortality reports, chief resident, faculty or self-reports. Cases can include unexpected deaths, unplanned intubation, prolonged medical care in the setting of poor prognosis, delay in care or diagnosis, procedural complication, avoidable medical events such as CAUTI or falls, or near miss events such as medication errors, lab events or errors, failure to act. During each conference, the goals, guiding principles and privileged nature of the discussion and materials are introduced. The PGY1 resident proceeds with a 15-minute case presentation, followed by a 30-minute case analysis and group discussion led by the PGY2/3 resident. The discussion is summarized, and a list of action items is developed and implementation is monitored by the Resident Patient Safety Officer and the faculty member who oversees the program's patient safety curriculum.

## Morning Report

All residents participate in and present at Morning Report, scheduled 7 days a week. Morning report is designed to bolster critical thinking, presentation skills, and skills in all six of the ACGME competency domains. Residents learn to not only demonstrate their medical knowledge, but also sharpen their analytic skills in interpreting the literature, incorporate high-value care and practice-based learning, and understand the systems of care that will be required for the patient during their stay and when relevant to discuss the patient's expected transitions of care.

Each session starts with sign-out rounds where faculty/senior residents supervise the signing out of patients and patient issues from the night residents to the day team. There is education about cross-coverage issues and admissions that are transferred from the night team to the day teams. Admissions from the prior 24 hours include comprehensive presentation to faculty, peers, and any interested or involved members of the hospital inter-professional team. HonorHealth Library Services staff support the program through literature searching to help answer clinical questions that are generated during Morning Report. The library also provide access to a wide array of clinical

resources (see Appendix C for detailed inventory)

Resident presentations are comprehensive and evidence-based, including a compilation of relevant information from the medical literature. Presentations review high-value care diagnostic and therapeutic decision making and involve the specialty education of the week. Through interactive discussion, residents present case studies and solicit feedback from which they may create an ongoing plan of care and incorporate this input into their daily practice. Further topics for investigation or methods for self-improvement may be identified in this open format. Faculty provide both direct and indirect supervision on the follow-up plan of action, evaluating and providing feedback on resident progress.

With the structure and attendance of Morning Report, topics reviewed can then be utilized directly in patient care. In addition to self-reflection, this activity requires incorporation of multiple sources of information into daily practice, promoting and modeling life-long self-appraisal and learning.

## National and Local Conference Presentations

Residents are expected to present a scholarly research project at a local, regional and/or national meeting. Presentations may include a published work, poster and/or podium presentation representing a research project completed during their Family Medicine residency. Presentations are prepared under supervision of residency faculty and/or physician researcher.

Residents' scholarly projects are frequently submitted to the annual "Academic Excellence Day", sponsored by the University of Arizona, College of Medicine Phoenix, which is designed for residents and fellows and includes poster and oral presentations of case reports and research projects. Selection of showcased projects is through a competitive abstract selection process overseen by the ResQIPS Director and the ResQIPS team. Those selected compete in a poster and or/oral presentation competition that is judged by UA-College of Medicine faculty and invited GME faculty from various organizations.

For the past six years, residents have also participated in AIAMC National Initiative programs and AAFP Grant Projects. Each year, a core faculty member has led an initiative and/or grant project and mentored residents through the project development process. The current AIAMC National Initiative is focused on Diversity Equity and Inclusion.

## Didactic Lunchtime Conferences

Didactic conferences are delivered by faculty and other content experts. Residents are provided with lectures designed to cover the basic curriculum relevant to Family Medicine, with presentations focused on preparing residents for practice as well as for the American Board of Family Medicine certification examination.

Didactic conferences include a series of Resident Conferences, giving PGY2 and PGY3 residents an opportunity to present clinical topics to the faculty and their peers.

## Quality Improvement Projects

All residents are required to lead and complete a quality project within HonorHealth. Drs. Andrea Darby-Stewart and Dmitry Bisk serve as the lead faculty supervising resident quality improvement (QI) projects, with all faculty serving as advisors for these projects. The quality improvement projects focus on quality measures, patient safety, efficient workflows, or risk management. Residents receive annual training regarding the organization's policies and processes for reporting medical errors and near misses.

**QUALITY IMPROVEMENT SCHOLARLY RESEARCH PROJECT** All residents are required, prior to graduation, to participate in and complete a quality improvement project. These projects can be ambulatory or inpatient and are typically achieved during their role as 'team lead' within our Family Medicine Center. All quality improvement projects require a clear AIMS statement and at least 3 PDSA cycles; following the IHI model for quality improvement. A thorough presentation to staff, peers, and faculty with specific parameters is required at the completion of the quality improvement project.

## Resident As Teacher Seminars

Residents have multiple opportunities to practice and develop their teaching skills. The Family Medicine Residency Program provides an annual Resident as Teacher seminar, required for all residents, which includes teaching methods & styles, giving feedback, and completing evaluations. Osborn Medical Center is a Family Medicine clerkship site for medical students from the University of Arizona-Phoenix's School of Medicine, Midwestern University's College of Osteopathic Medicine, and Still University's College of Osteopathic Medicine. In addition to the teaching demands required of daily interaction with patients, families, and other health care professionals, residents participate in hands-on teaching during medical student clerkships. Faculty model and mentor teaching skills on clinical rounds, in didactic sessions, through committee work, and in nearly all aspects of clinical practice for which they provide supervision. Residents have numerous opportunities to teach and counsel patients. These interactions are frequently supervised by faculty or senior residents, offering opportunities for feedback and improvement. As residents advance through training, they are expected to take on a greater teaching role, including teaching more junior residents and leading interactive didactic sessions.

Multiple tools are utilized to assess and provide feedback for improvement on skills at educating



patients, families, students and peers. Faculty provide daily, face-to-face feedback on resident teaching skills. Residents incorporate this real-time feedback into their daily practice. Additionally, communication skills are assessed through video observation, ambulatory-based shift cards and simulation sessions. At the conclusion of each rotation, residents are evaluated by faculty in the six ACGME competencies, including issues relevant to their teaching performance. Residents review these evaluations at the end of each rotation. Medical students complete an evaluation form on residents involved in their instruction. Resident peers are periodically called upon to evaluate each other. Skills at teaching are included in this assessment. Finally, the faculty advisors and Program Director provides a semiannual Milestone review at which feedback from all these sources is provided. Residents utilize this feedback to improve upon their teaching skills.

## Scholarly Research Projects

Beginning in PGY1 year, all residents receive didactic training on research methodology, study design, biostatistics, appraisal and application of evidence-based medicine, ethics in the context of research, developing research questions, and disseminating and presenting results of research projects. (Also see ResQIPS section for additional details).

## Faculty Research and Scholarly Activity

Faculty are required to demonstrate involvement in resident scholarly activity by providing guidance and support to residents and participating in clinical discussions and conferences. Faculty are responsible for committing and scheduling a portion of their time to supporting the scholarly activities of residents. During such time, faculty may provide direct consultation and advisement on scholarly topics, the research process, or provide ongoing guidance throughout a project's entire timeline. Faculty also select peer-reviewed and clinically significant research articles for residents to review, appraise and present during journal club activities.

Faculty are also responsible for the development and implementation of their own scholarly activities in order to expand their own knowledge base and contribute to the body of literature in their specialties. To foster faculty interest and engagement in research, HonorHealth offers a faculty development series as well as workshops provided through the ResQIPS program (see above). In addition, teaching faculty are required to participate in clinical discussions and conferences along with on-site faculty development and training. All faculty are encouraged to participate in national and regional professional organizations.

An inventory of faculty scholarly activities can be found in Part III of this summary.

# PART II - Resources for Scholarly Activity & Research

## Family Medicine Residency Program Resources

The Family Medicine Residency Program provides access to HonorHealth resources and family practice specific resources such as membership to the American Academy of Physicians for both residents and faculty as well as faculty memberships to the Society of Teachers in Family Medicine.

Program-specific resources include a Family Medicine Resource guide (<https://azhin.org/honorhealth/resfm>) tailored to the program and curated by the HonorHealth librarians, and which includes specialty ejournals and ebooks, videos and podcasts, links to professional organizations, and other family medicine-focused care resources housed together in one guide for ease of access.

Academic Affairs has purchased Bridge, a learning management system software for the administration, tracking, reporting and delivery of educational course content as well as training and development programs. This will offer additional resources and learning modules, most of which can be accessed “on demand” at a convenient time for busy residents and faculty. Implementation has begun in Fall 2021 and new modules are in development.

## HonorHealth Library Resources

**ACCESSIBILITY** HonorHealth Osborn Medical Center, Shea Medical Center and John C Lincoln Medical Center libraries provide 24/7 access to single workstations as well as meeting/collaboration space. In 2021 at Thompson Peak Medical Center, a physical library site was incorporated into a new Learning and Simulation Center at that campus. The libraries also maintain a Web-based library portal which is available on-site through the employee intranet and off-site through Athens (authentication software). Librarians provide mobile app support for several key resources:

- UpToDate clinical decision support system
- Elsevier’s ClinicalKey resource which contains the FirstConsult clinical decision support system along with thousands of high-impact electronic textbooks and journals, practice guidelines, over 340 procedure/skills videos, image library and PresentationMaker component to support presentations
- Micromedex drug information, IV compatibilities, drug/herbal/food interactions, other pharmaceutical tools & calculators; also includes Pediatric Essentials & NeoFax Essentials
- Access Medicine, Access Emergency Medicine, Access Medicine Dermatology and Access Medicine Physiotherapy series

**LIBRARIAN SUPPORT** A wide range of library services are provided by the HonorHealth librarian team, which consists of 4.0 FTE American Library Association accredited medical librarians. Outside of physically staffed hours, librarians can be emailed or contacted by phone at the health science library locations.

Personalized services available at HonorHealth libraries include:

- A. Mediated (librarian-assisted) literature searching using databases and search engines that access published and unpublished evidence (results delivered with 48 hours of receiving request)
- B. Mediated “state of the science” literature reviews, including a synopsis of findings and critical appraisal of the literature, to support patient care needs
- C. Mediated searching for acute & chronic disease management and general health & wellness information for patients & families (results delivered within 48 hours of receiving request)
- D. Research consultations, including research question brainstorming and development using the PICOT algorithm, identification of appropriate resources for searching, search strategy development and database manipulation guidance
- E. Citation management, presentation and publishing support, including identification of appropriate journals to consider for submission and formatting, reference lists and footnoting support according to publisher’s instructions for authors.
- F. Document retrieval & delivery (delivery frequently same-day, otherwise 1-3 days of receiving request)
- G. One-on-one and small group training on all library databases & tools, ranging from quick overviews of resources & research tools to advanced/expert search strategy training
- H. Technical assistance and training for the UpToDate clinical decision website and mobile app, the ClinicalKey site and mobile app, the Access Medicine site and mobile app and the Micromedex suite and mobile apps.
- I. Meeting and collaboration space, which includes an LCD TV and conference table with electrical outlets
- J. Provision of reliable, easy-to-read, evidence-based consumer health & wellness resources for patients & families as well as for residents & faculty as they communicate with and educate their patients
- K. Health literacy consultation services, including review of proposed patient education & discharge instructions and recommendations to improve readability and comprehension, which improves patient outcomes overall and reduces hospital readmissions

**CONTENT – GENERAL** HonorHealth Library Services provide access to numerous print & electronic resources. Many have been acquired through membership to the Arizona Health Information Network

(AZHIN), a statewide consortium uniting communication technology and resource access in the Arizona health care and health education communities. Other resources are acquired through Library Service's operation budget and HonorHealth Foundation funding. Resources include:

- Evidence-based medicine (Cochrane Library, Access Medicine, UpToDate, FirstConsult)
- Journal literature databases (PubMed, Ovid Medline, Ebsco Medline with Full Text, CINAHL Complete, Health Business Elite)
- Research and scholarly project tools (research instruments/scales, theses/dissertations)
- Faculty resources (ProceduresConsult, Teacher Reference Center)
- eBooks, Full-text (ClinicalKey, Access Medicine and EM, TDS (formerly STAT!Ref), Ovid Books)
- eJournals, Full-text (JAMA and JAMA Archives, Lancet, NEJM, and thousands more through Medline with Full Text, CINAHL Complete, ClinicalKey and other database collections)
- Drug information (Micromedex and Lexi-Comp via UpToDate)

*See Appendix C for detailed descriptions of these resources.*

**CONTENT – SUBJECT-SPECIFIC** HonorHealth Library Services provides access to a variety of electronic and print resources to directly support the educational & reference needs of Family Medicine residents & faculty, including textbooks, journals and multimedia content.

## HonorHealth Research Institute

The HonorHealth Research Institute (HRI) provides both institutional and scientific review for all research activities at the organization, including the scholarly projects of residents and faculty. All research performed at HonorHealth is based on scientific principles and carried out using the highest quality standards. The HRI assists in setting the standard for excellence in personalized healthcare by developing a culture of inquisitiveness, leading to the provision of the best evidence-based medicine to patients and the community. HRI provides the following:

- a. research administration staff responsible for ensuring that all research performed at HonorHealth is in compliance with relevant state and Federal requirements and that it fulfills the HonorHealth mission;
- b. documentation to guide researchers through the process of both investigator- and sponsor-initiated studies;
- c. guidance on scientific and institutional review board submissions;
- d. access to human subject protections training;
- e. access to local resources, including statisticians and other personnel experienced in research;
- f. Office of Sponsored Programs (OSP), which is responsible for supporting researchers in the identification and submission of grants.

## PART III – INVENTORY OF SCHOLARLY ACTIVITIES

### Resident Activities

#### QUALITY IMPROVEMENT PROJECTS

Resident Name	PGY Year	Scholarly Project Title	Completion Date
Luera, K.	PGY3	"MyChart Enrollment in My Diabetic Patients" Quality Improvement Project designed to increase the number of my patients with type 2 diabetes who are enrolled in MyChart.	12/16/2022
Whitaker, Zachary	PGY3	"Pediatric Lead Screening" Outreach outside of scheduled appointments to increase lead blood screening in pediatric patients 12-72 months old. PDSA1: phone call PDSA2: mailed letter 4 total screened	12/16/2022
Maddox, Jordan	PGY3	"Tobacco Cessation" Implemented two PDSA cycles aimed at increasing tobacco cessation attempts among patient panel	12/16/2022
Truong, Lindy	PGY3	"Increase ACP Documentation in HER"	12/16/2022
Liao, Annette	PGY2	"OSA Screening" Aimed to increase the number of sleep study referrals in patient population of adult males with hypertension and a BMI greater than 25 (those already diagnosed with OSA or already on CPAP were excluded).	6/9/2023
Wong, Olivia	PGY2	Osteoporosis Screening QI Project	6/9/2023
Pascavis, Tyler	PGY2	"Diabetic Retinopathy"	6/9/2023

**PRESENTATIONS/POSTERS/ABSTRACTS**

<b>Resident Name</b>	<b>PGY Year</b>	<b>Scholarly Project Title</b>	<b>Completion Date</b>
Maddox, Jordan	PGY3	Presentation: "Preoperative Assessment in the Geriatric Patient"	7/7/2022
Truong, Lindy Warlick, Caitlin	PGY3 PGY1	MMI: "Circumcision"	8/12/2022
Smoots, Daniel	PGY3	AFP Journal Review	9/15/2022
Wong, Olivia	PGY2	Presentation: "Is the geriatric patient depressed?"	9/21/2022
Shelton, Leslie	PGY2	AAFP Journal Review	9/26/2022
Maddox, Jordan Dehart-Marsh, Allison	PGY3 PGY1	MM&I – "Preeclampsia"	9/30/2022
Wedel, Derek	PGY3	AFP Journal Review September 2022	10/12/2022
Whitaker, Zachary Schnepf, Michael	PGY3 PGY1	MM&I: "Adverse Events"	10/14/2022
Luera, Karina	PGY3	Chief Conference- "Prenatal Care"	11/8/2022
Ducett, Mitchell	PGY2	AFP Journal Review November 2022	12/15/2022
Mathew, Nikita Shiehzadegan, Shayan	PGY3 PGY1	MM&I: "Infantile Jaundice"	1/6/2023
Stempniak, Ryan	PGY3	AFP Journal Review February 2023	2/23/2023
Luera, Karina	PGY3	Chief Conference- "Hyponatremia"	2/28/2023
Mansour, Monica Ward, Kaleb	PGY2 PGY1	MM&I: "Ectopic Pregnancies and Miscarriages"	3/24/2023
Luera, Karina	PGY3	Chief Conference- "Hepatitis"	3/28/2023
Ducett, Mitchell	PGY2	Presentation: "Falls in the Elderly"	3/30/2023
Truong, Lindy	PGY3	Presentation: "Increase ACP Documentation in the EMR" Arizona Family Medicine Research Forum	4/7/2023
Pascavis, Tyler Young, Montgomery	PGY2 PGY1	MMI	4/21/2023
Dehart-Marsh, Allison	PGY1	Presentation: "Screening Tools Presentation (STOP BANG)"	4/28/2023
Wedel, Derek Dmitry Bisk	PGY3 AD	Poster Presentation: "Addressing COVID-19 Vaccination Hesitancy in an FQHC" Society of Teachers of Family Medicine Conference 2023	5/1/2023
Mathew, Nikita	PGY3	Academic Excellence Day	5/2/2023
Mathew, Nikita	PGY3	AAFP Journal Review	5/25/2023
Kubinski, Aaron Wong, Olivia	PGY3 PGY2	MMI: "SDOH"	6/16/2023

**PROFESSIONAL ACTIVITIES/COMMITTEES/LEADERSHIP**

Trainee Name	PGY Year	Scholarly Project Title	Completion Date
Stempniak, R.	PGY2	HonorHealth Emergency Medicine Committee	2022-2023
Smoots, D.	PGY3	HonorHealth Medicine/Family Medicine Hospital Committee	2022-2023
Wong, O.	PGY2	HonorHealth Medicine/Family Medicine Hospital Committee	2022-2023
Whitaker, Z.	PGY3	Utilization Management Committee	2022-2023
Wedel, D.	PGY3	Utilization Management Committee	2022-2023
Liao, A.	PGY2	GMEC	2022-2023
Mathew, N.	PGY3	Bioethics Committee	2022-2023
Maddox, J.	PGY3	Bioethics Committee	2022-2023
Luera, K.	PGY3	Infection Prevention & Control Committee	2022-2023
Truong, L.	PGY3	Patient Experience	2022-2023
Gibson, C.	PGY2	HonorHealth Hospitalist Committee	2022-2023

**PEER REVIEWED JOURNAL ARTICLE/ABSTRACT/BLOG POST**

Trainee Name	PGY Year	Scholarly Project Title	Completion Date
Luera, K.	PGY3	"Tons of Tums – A case Study of Hypercalcemia from Ingestion of Calcium Carbonate Supplement"	5/6/2021

**PUBLISHED CHAPTER/TEXTBOOK**

Trainee Name	PGY Year	Scholarly Project Title	Completion Date
Shelton, Leslie Bisk, Dmitry	PGY2 AD	"Interstitial Cystitis" The 5-Minute Clinical Consult 2024	11/2022
Mathew, Nikita Shelton, Leslie Turner, Alethea	PGY3 PGY2 AD	"Hemochromatosis" The 5-Minute Clinical Consult 2024	11/2022

## Faculty Activities

### PRESENTATIONS/POSTERS/ABSTRACTS

Faculty Name(s)	Scholarly Project Title
Zayas-Bazan, J. Moyer, D.	Presentation: Zayas-Bazan, J., Moyer, D. "Transitions of Care" Seminar. Academic Affairs Grand Rounds, Scottsdale, AZ. February 2023.
Turner, A. Kegowicz, C. Radhakrishnan, P.	Poster Presentation: Turner A, Kegowicz C, Rahakrishnan P, et al. "ICARE for JEDI – Incorporating JEDI into a System Wide Initiative." Alliance of Independent Academic Medical Centers 2022 Annual Meeting; New Orleans, LA. March 25, 2022.
Kegowicz, C.	Presentation: Kegowicz, C. "Residents as Teachers" HonorHealth Academic Affairs Grand Rounds. October 2021.
Kegowicz, C. Turner, A. Radhakrishnan, P.	Turner A, Kegowicz C, Radhakrishnan P, Luera K, Borlas E, Schneider D. "Building a Residency Culture of Diversity and Inclusivity through an Interactive Longitudinal DEI Curriculum". Alliance of Independent Academic Medical Centers National Initiative VIII Project. August 2021 - Current
Kegowicz, C.	Kegowicz, C., "Professionalism", HonorHealth Academic Affairs Grand Rounds, June 2021.
Kegowicz, C. Sall, D.	Kegowicz, C., Keole, N., Sall, D., Jackson, S. "Maximizing the Program Director-Program Coordinator Relationship", May 2021.
Turner, A. Kegowicz, C. Moyer, D.	Turner A, Kegowicz C, Moyer D, et al. "Teaming to Create a Culture of Inclusivity and Health Equity." Poster Presentation at the Alliance of Independent Academic Medical Centers 2021 Annual Meeting (Virtual). Nashville, TN. March 26, 2021.
Turner, A.	Urban K, Malaty S, Turner A, et al. "Identifying State-Wide Health Disparities in Diabetes Mellitus Management in Arizona: Review of Healthy People 2020 Performance. Poster Presentation at the AcademyHealth National Health Policy Conference (Virtual). Washington, DC. Feb 10, 2021.
Moyer, D. Zayas-Bazan, J.	Presentation: Moyer D, Zayas-Bazan J. "Feedback Best Practices" Primary Care Faculty Development Fellowship, Phoenix, AZ. November 13, 2020.
Turner, A. Bisk, D.	Turner A, Bisk D. "A Guide to Promoting Physician Wellness in a Residency Program." Poster Presentation at the AAFP Program Director Workshop and Residency Program Solutions Residency Education Symposium. Kansas City, MO. Submission accepted for April 2020 - conference cancelled due to COVID-19 global pandemic.
Bisk, D. Darby-Stewart, A.	Presentation: Bisk D & Darby-Stewart A. "Improving Rates of Colorectal Cancer Screening in a Resident Based FQHC". Mayo Clinic 2020 Arizona Quality Symposium, Scottsdale, AZ. (Cancelled due to COVID-19). April 1, 2020.
Moyer, D. Zayas-Bazan, J.	Presentation: Moyer D, Zayas-Bazan J. "Feedback Best Practices" University of Arizona, Phoenix, AZ. January 10, 2020.
Bisk, D.	Presentation: Bisk, D. "Longitudinal Wellness Curriculum in a Family Medicine Residency Program". PDW and RPS Residency Education Symposium. Kansas City, MO. (2020).
Turner, A. Kegowicz, C. Moyer, D.	Presentation: Turner, A, Kegowicz, C, Moyer, D, Liang, Y, Dyer-Giaquinto, A. Readmission Roundabout. Alliance of Independent Academic Medical Centers National Initiative VII Project. 2019-2021
Zayas-Bazan, J. Kegowicz, C.	Zayas-Bazan, J, Kegowicz, C, Perry, J, Golek, H, Liang, X. Adolescent Health Initiative Project. 2019-2021
Turner, A.	Turner A, Bisk D. "Rediscovering Meaning in Your Work and Increasing Wellness Within a Family Medicine Residency Program." Poster Presentation at the Society of Teachers of Family Medicine - Conference on Practice Improvement. Phoenix, AZ. Dec 6, 2019.
Kegowicz, C.	Kegowicz, C., "Evaluations in Graduate Medical Education", HonorHealth Faculty Development Series, May 2019



Bisk, D. Darby-Stewart, A. Turner, A.	Presented: Crooks, K., Darby-Stewart, A., Turner, A., Bisk, D., Dockery-Cleva, M. "Roadmap to Joy in Inclusive Clinical Leadership" IHI Summit on Improving Patient Care, Institute for Healthcare Improvement, San Francisco, CA (2019 May 4)
Darby-Stewart, A. Kegowicz, C. Radhakrishnan, P.	Presentation: Ellis W, Kegowicz C, Radhakrishnan P, et al. "Building Resiliency with Empathy Training". Alliance of Independent Academic Medical Centers National Initiative VI Project. (May 2019).
Turner, A.	Poster Presentation: Turner A, Bisk D. "A Guide to Promoting Physician Wellness in a Residency Program." AAFP Program Director Workshop and Residency Program Solutions Residency Education Symposium. Kansas City, MO. Submission accepted for April 2020 but conference cancelled due to COVID-19.
Turner, A.	Presentation: Turner A. "Point of Care Teaching Tools," Oral presentation for Internal Medicine Residency Program at their Annual Retreat. Scottsdale, AZ. April 26, 2019.
Darby-Stewart, A.	Presented: "Most Important Papers of 2018" Mayo Primary Care Clinical Reviews 2019, Mayo Clinic Arizona, Scottsdale, AZ (2019, March 23)
Bisk, D. Moyer, D.	Presented Poster: Bisk, D., Moyer, D. "Using Simulation to Prepare Residents to Practice Effectively in the Opioid Crisis" Innovations in Medical Education, Keck School of Medicine of USC, Los Angeles, CA (2019 February 23)
Moyer, D. Zayas-Bazan, J.	Presented: "Tips for Giving Effective Feedback" University of Arizona Faculty Development Fellowship, Phoenix, AZ (2019, January 11)
Bisk, D.	Presentation: Bisk, D. "Curricular Innovation Grant on Opioid Education". Association of American Medical Colleges and Centers for Disease Control. (2019).
Bisk, D.	Presentation: Bisk, D. "Cardiovascular Curriculum Review". American Academy of Family Physicians. (2019).
Bisk, D. Turner, A.	Presentation: Bisk D, Turner A. "Rediscovering Meaning in Your Work and Increasing Wellness". Society of Teachers of Family Medicine. Phoenix, AZ. (2019).
Bisk, D.	Presentation: Bisk, D. "Cultivating Wellness within a Family Medicine Residency Program". University of Arizona College of Medicine. Phoenix, AZ. (2019).
Darby-Stewart, A.	Presented: "Trans-Feminine Care" Internal Medicine Grand Rounds, Scottsdale, AZ (2018, June 14)
Zayas-Bazan, J. Moyer, D.	Presented: "Quicker results? Using QR Codes to Improve Didactic Evaluation Response Rates" Swimming Ahead: Medical Research at HonorHealth: The ResQIPS Framework (2018, May 30)
Darby-Stewart, A.	Presented: "Advances in Primary Care – The Year's Most Important Papers" (Best of the Medical Literature), Mayo Primary Care Clinical Reviews, Mayo Clinic, Scottsdale AZ (2018, March 22)
Moyer, D. Zayas-Bayan, J.	Presented: "Quicker results? Using QR Codes to Improve Didactic Evaluation Response Rates" 2018 Scholarly Teaching Symposium University of Arizona College of Medicine, Phoenix (2018, April 18)
Zayas-Bayan, J. Moyer, D.	Presented: "Feedback: Best Practices" University of Arizona College of Medicine Faculty Development Program, Phoenix (2017, December 8)
Moyer, D.	Poster presented: Moyer D., Hartmark-Hill, J., Radhakrishnan, P. et al. "Joint Faculty Development Program: Improving Clinical Education through Hybrid Learning." Society for Academic Continuing Medical Education (SACME) Annual Conference, Scottsdale AZ (2017 May 17)
Zayas-Bazan, J.	Presented: "TEDtalk: Development of a Program to Address Food Insecurity at an FQHC." HonorHealth ResQIPS Conference "Diving into Medical Research at HonorHealth: The ResQIPS Framework". Scottsdale AZ (2017 Apr 13)
Darby-Stewart, A. Rosas, J.	Presented: "TEDtalk: Using teams for Quality Improvement." HonorHealth ResQIPS Conference "Diving into Medical Research at HonorHealth: The ResQIPS Framework". Scottsdale AZ (2017 Apr 13)

Zayas-Bazan, J. Kegowicz, C.	Poster presented: "Utilization of Community Resources to Address Food Insecurity in a FQHC." National Meeting, AIAMC (Association of Independent Academic Medical Centers), Amelia Island, FL (2017 Apr 1)
Moyer, D. Kegowicz, C. Rosas, J.	Presented: Moyer, D, Kegowicz, C., Rosas, J. "Teaching Transitions of Care: Finding New Solutions to Old Problems." PDW-RPS Residency Education Symposium, AAFP, Kansas City, MO (2017 Mar 27)
Kegowicz, C. Zayas-Bazan, J.	Presented: Kegowicz, C., Zayas-Bazan, J. "Development of a Program to Address Food Insecurity at an FQHC." PDW-RPS Residency Education Symposium, AAFP, Kansas City, MO (2017 Mar 26)
Bisk, D.	Presented: "Hospital Acquired Clostridium Difficile" Grand Rounds, HonorHealth, Scottsdale AZ (2016, May)
Moyer, D. Zayas-Bazan, J. Marlow, R.	Presented: Moyer D, Zayas-Bazan J, Marlow R. "Use of High Fidelity Simulation to Improve Family Medicine Resident Confidence in Managing Unstable Patients." Society of Teachers of Family Medicine Annual Spring Conference, Minneapolis, MN (2016 May 3)
Ellis, W. Moyer, D. Rosas, J.	Ellis W, Moyer D, Rosas J. "Simulation Training: A Novel Approach to Primary Care Behavioral Health Training." Society of Teachers of Family Medicine Annual Spring Conference, Minneapolis, MN (2016 May 1)
Zayas-Bazan, J.	Poster presentation: "Utilization of Community Resources to Address Food Insecurity in a FQHC." Alliance of Academic Independent Medical Centers (AIAMC) National Conference, Tucson, AZ (2016 Apr)
Kegowicz, C.	Lecturer, Advanced Life Support in Obstetrics (ALSO) Course, Arizona Academy of Family Physicians and the Family Medicine residency programs in Phoenix, AZ (Present)
Rutkowski, R.	Presented: "Tar Wars Tobacco Use Prevention Program." Presented at 266 elementary schools in 2016-2023. Scottsdale & Fountain Hills, AZ
Moyer, D.	Curriculum design and implementation for HonorHealth Family Medicine Simulation Program. Scottsdale, AZ (2014 Jul-2015 Jul)
Moyer, D.	FCM Clerkship Interactive Learning (Dysuria, Fatigue and Depression). University of Arizona, College of Medicine, Phoenix, AZ (2015 Jan 27)
Bisk, D.	Presented: "Driving in the Elderly: When to Hang Up the Keys?" HonorHealth, Scottsdale AZ (2015, Jan)

## PROFESSIONAL ACTIVITIES/COMMITTEES

Moyer, D.	Society of Teachers of Family Medicine	2011 – Present
Moyer, D.	Curriculum Committee, Family Medicine Residency, Scottsdale Healthcare	2011 – Present
Kegowicz, C.	Association of Family Medicine Residency Directors	2011 – Present
Zayas-Bazan, J.	Society of Hospital Medicine	2009 - Present
Darby-Stewart, A.	Editorial Advisory Board & Monthly Webinar, Prescriber's Letter	2009 - Present
Moyer, D.	Graduate Medical Education Committee, HonorHealth	2008 – Present
Moyer, D.	Peer Reviewer for Journal of Family Practice	2008 - Present
Moyer, D.	Peer Reviewer for EBSCO DynaMed database	2008 - Present
Moyer, D.	Ethics Committee, HonorHealth	2008 - Present
Kegowicz, C. Ellis, W.	Project Lead, Impact of Electronic Medical Record Implementation on Residents' Education Experiences	2008 - Present
Kegowicz, C.	Family Medicine Residency Quality Improvement Committee, HonorHealth	2008 - Present
Zayas-Bazan, J.	Arizona Academy of Family Physicians	2005 - Present
Moyer, D.	American Academy of Family Physician	2005 - Present
Kegowicz, C.	Pharmacy and Therapeutics Committee, HonorHealth Osborn Medical Center	2004 – Present
Zayas-Bazan, J.	American Academy of Family Physicians	2001 – Present
Rutkowski, R.	Arizona Academy of Family Physicians	2001 – Present
Kegowicz, C.	Family Medicine Residency Committee for Resident Recruitment, HonorHealth	2001 – Present
Rosas, J.	American Academy of Family Physicians	2000 – Present

Kegowicz, C.	Society of the Teachers of Family Medicine	1999 - Present
Kegowicz, C.	Graduate Medical Education Committee, HonorHealth	1998 – Present
Darby-Stewart, A.	Arizona Academy of Family Physicians	1997 – Present
Kegowicz, C.	Family Medicine Residency Curriculum Committee, HonorHealth	1996 – Present
Kegowicz, C.	Arizona Academy of Family Physicians	1996 – Present
Kegowicz, C.	American Academy of Family Physicians	1996 – Present
Darby-Stewart, A.	American Academy of Family Physicians	1995 – Present
Rutkowski, R.	American Academy of Family Physicians	1984 – Present

## PUBLISHED CHAPTER OR TEXTBOOK

Faculty Name(s)	Scholarly Project Title
Bisk, D.	Bisk D Painful Bladder Syndrome. In Domino FJ (Ed.), The 5-Minute Clinical Consult 2024, Philadelphia: Wolters Kluwer. Chapter revision. (2023).
Bisk, D.	Bisk D. Diagnosis and Management of Depression. Innovation Care Partners Scottsdale, AZ. Clinical Care Guidelines (2022).
Darby-Stewart, A.	Darby-Stewart, A. et al “Pustular Diseases of Childhood” In: The Color Atlas and Synopsis of Family Medicine Third Edition, McGraw Hill Education, (February) 2019.
Turner, A.	Turner A, Holman B (2019). Hemochromatosis. In Domino FJ (Ed.), The 5-Minute Clinical Consult 2021, Philadelphia: Wolters Kluwer. (Chapter update)
Turner, A.	Turner, A. “Gilbert Syndrome” In: Domino FJ (ed) The 5-Minute Clinical Consult 2018. Wolters-Kluwer, 2018 (July).
Turner, A.	Turner, A. “Hemochromatosis” In: Domino FJ (ed) The 5-Minute Clinical Consult 2018. Wolters-Kluwer, 2018 (July)
Darby-Stewart, A.	Audio recording for Board Review Course – AudioDigest (disseminated nationally) “Pulmonary Embolism and DVT -Board Review (2017, Sept 1)

**PUBLISHED JOURNAL ARTICLE/ABSTRACT/ONLINE ARTICLE**

Faculty Name(s)	Scholarly Project Title
Turner, A. Radhakrishnan, P.	Urban K, Malaty S, Turner A, Radhakrishnan P. Identifying State-Wide Health Disparities in Diabetes Mellitus Management in Arizona: Review of Healthy People 2020 Performance. Cureus. 2021 Jan 29;13(1):e12993.
Darby-Stewart, A. Kegowicz, C.	Proceedings of National Initiative VI: Stimulating a Culture of Well-Being in the Clinical Learning Environment. Ochsner Journal March 2020, Vol. 20 (Spec AIAMC Issue) 1-55
Moyer, D.	Wagner, GT, Chaung M, Moyer D. Elder Care: A Resource for Interprofessional Providers: Sexual Health in Older Adults, Part 2, Common Concerns, Chronic Diseases, and Sexually Transmitted Infections. Portal of Geriatrics Online Education; 2020; <a href="https://pogoe.org/productid/22033">https://pogoe.org/productid/22033</a>
Moyer, D.	Wagner, GT, Chaung M, Moyer D. Elder Care: A Resource for Interprofessional Providers: Sexual Health: Tips for Taking a Geriatric Sexual History. Portal of Geriatrics Online Education; 2019; <a href="https://pogoe.org/productid/22029">https://pogoe.org/productid/22029</a>
Turner, A.	Turner, A. "Self – Reflection." Teaching Physician, Society of Teachers of Family Medicine, Initial publication 2 April 2019, Peer-reviewed publication 30 August 2019, <a href="http://www.teachingphysician.org/">www.teachingphysician.org/</a>
Turner, A.	Turner A. "Ask Learners to Engage in Self Reflection." Teaching Physician, Society of Teachers of Family Medicine, Initial publication 2 April 2019, Peer-reviewed publication 30 August 2019, <a href="http://www.teachingphysician.org/">www.teachingphysician.org/</a> .
Darby-Stewart, A.	Darby-Stewart A, Strickland C. Letter to the Editor: Group Prenatal Care to Reduce Preterm Labor and Improve Outcomes. Am Fam Physician. 2019 Feb 1;99(3):141-142
Moyer, D. Zayas-Bazan, J.	Moyer, D, Zayas-Bazan, J, and Mille, Dr. Elder Care: A Resource for Interprofessional Providers: Restless Legs Syndrome. POGOe - Portal of Geriatrics Online Education; 2018 Available from: <a href="https://pogoe.org/productid/20691">https://pogoe.org/productid/20691</a>
Zayas-Bazan, J. Kegowicz, C.	Zayas-Bazan J, Sadecki S, Kegowicz C, Garcia A, Mar M, Kruger T. Utilization of Community Resources to Address Food Insecurity in a Federally Qualified Health Center. Ochsner J. 2018 Spring; 18(spec AIAMC Iss): 25-26. Published online Spring 2018. PMID: PMC6135342.
Moyer, D.	Garcia A. Moyer D. Dentures. Eldercare: A Resource for Interprofessional Providers. The University of Arizona College of Medicine Tuscon: Center on Aging. January 2017.
Moyer, D.	Moyer D. Tierney A. Outpatient Management of Constipation in Older Adults. Eldercare: A Resource for Interprofessional Providers. The University of Arizona College of Medicine Tuscon: Center on Aging. November 2016.

**Editorial Consultant and Webinar Panelist**

Faculty Name(s)	Scholarly Project Title
Darby-Stewart, A.	Prescriber’s Letter, Therapeutic Research Center (Provide Primary Care commentary/perspective on various medical topics during nationally broadcasted webinar which is available to participants for CME credit.)

**FACULTY DEVELOPMENT (Teaching Formal Courses)**

Faculty Name(s)	Scholarly Project Title
Moyer, D	Co-Director, Faculty Development Series: Organization, Arrangement, Scheduling and/or Assessment, HonorHealth/University of Arizona (Oct 2016-May 2017)

**SIMULATION (Teaching Formal Courses)**

Faculty Name(s)	Scholarly Project Title
Moyer, D Zayas-Bazan, J.	Simulation, Family Medicine, HonorHealth, Scottsdale, AZ (July 2016-present)

**RESEARCH / GRANTS**

Faculty Name(s)	Scholarly Project Title
Turner, A. Bisk, D.	Grant PI: Radhakrishnan, P. Co-researcher: Turner, A. Bisk, D. "IHET: Improving Health Equity via Telemedicine". Federation of State Medical Boards. \$25,000 March 2021 – March 2022

## APPENDIX A – Conferences & Lectures Master Schedule

RESIDENT	GRAND ROUNDS	GERIATRIC CONFERENCE	AFP Journal Review	MM&I (estimated date)
<b>PGY 2</b>				
Ducett, Mitch	8/17/22	3/30/23	12/15/22	
Gibson, Christine	4/19/23	11/30/22	7/28/22	
Liao, Annette	1/18/23	7/27/22		5/12/23
Mansour, Monica	6/7/23	1/25/23		3/24/23
Pascavis, Tyler	2/15/23	8/24/22		4/21/23
Shelton, Leslie	2/22/23	5/24/23	9/22/22	
Wong, Olivia	5/31/23	9/21/22		6/16/23
<b>PGY 3</b>				
Luera, Karina	1/27/23			
Maddox, Jordan	1/13/23	7/7/22		9/30/22
Mathew, Nikita	3/24/23		5/25/23	1/6/23
Smoots, Dan	12/9/22		9/15/22	
Stempniak, Ryan	10/7/22		2/23/23	
Truong, Lindy	12/16/22			8/12/22
Wedel, Mason	9/23/23		12/8/22	
Whitaker, Zac	8/25/23			10/14/22

## APPENDIX B – Scholarly Activity Point System

Type of Scholarly Activity	Points
Completion of an IRB-approved research project	10
Acceptance for publication of a manuscript in a peer-reviewed medical journal or other (e.g., case report, clinical review, quality improvement project, or research project)	8
Acceptance for publication of a book chapter or section or significant contribution to updating an existing chapter; including Residency Curriculum Resource (RCR) lectures	8
Submission and acceptance of an oral or poster presentation at a regional or national medical conference	6
Completion of a well-conducted quality improvement project (approved by program faculty based on QIP criteria)	5
Acceptance to peer review (but not accepted for publication) of a manuscript to a medical journal (e.g., case report, clinical review, quality improvement project, or research project)	5
Acceptance for publication of a letter to the editor in a peer-reviewed medical journal	3
Oral or poster presentation of a case report or research project at University of Arizona College of Medicine-Phoenix annual Academic Excellence Day or another local institution research forum	3
Publication for lay public such as an online blog, or newsletter article on a medical topic approved by faculty advisor	3
Submission without acceptance of an oral or poster presentation at a regional or national medical conference	1

### SCHOLARLY ACTIVITY POINT SYSTEM

Each resident will complete at least two (2) scholarly activities; one of which must be, at least one of which should be a QI Project (per ACGME requirements).

Each resident needs to earn a minimum of eight (8) - nine (9) scholarly activity points – for example, this minimum requirement could be achieved by completing one QI Project (5 points) and one oral or poster presentation at the University of Arizona College of Medicine – Phoenix Annual Academic Excellence Day (3 points).

If earned, the Research Award AFMRD Resident Scholarship Award at graduation will be given to the graduating resident with the greatest number of accumulated scholarly activity points.

Residents may partner with faculty members or other residents on scholarly activities – points can be earned as long as the resident significantly participates and is not just a bystander.

## APPENDIX C – Descriptions of HonorHealth Library Services Resources

### L. Evidence-based medicine

- The Cochrane Library is a collection of databases that contain high-quality, independent evidence to inform healthcare decision-making. It includes Cochrane Database of Systematic Reviews (CDSR) Cochrane Central Register of Controlled Trials (CENTRAL) and Cochrane Clinical Answers (CCA).
- MedCalc 3000 is a collection of over 520 calculators, clinical criteria sets and decision trees that are indispensable to anyone practicing, teaching or studying evidence-based medicine. With every search you perform, TDS (formerly STAT!Ref) automatically presents links to relevant tools within MedCalc 3000. The complete contents of MedCalc 3000 include: Clinical Criteria Set, Decision Trees, Medical Equations, Unit and Dose Converters, Calculations and Equations by Specialty.
- UpToDate is an ACCME-accredited evidence-based clinical decision support resource provided for healthcare practitioners to help them make the right decisions at the point of care.
- FirstConsult (via ClinicalKey) is an authoritative, evidence-based and continuously updated clinical information resource for healthcare professionals. Designed for use at the point-of-care, it provides instant, user-friendly access to the latest information on evaluation, diagnosis, clinical management, prognosis, and prevention.
- Two-Minute Medicine (via Access Medicine) – concise and curated reviews and summaries of new medical studies. Studies are rated for the appraisal of evidence-based medicine.

### M. Journal literature databases:

- The MEDLINE database is the premier biomedical database in the United States. It contains over 23 million references to more than 5,600 journals in life sciences with a concentration on biomedicine generally dating back to about 1949, with some older material. The subject scope of MEDLINE is biomedicine and health, broadly defined to encompass those areas of the life sciences, behavioral sciences, chemical sciences,



and bioengineering needed by health professionals and others engaged in basic research and clinical care, public health, health policy development, or related educational activities. Access is provided via 3 different search platforms: Ovid, EBSCO, and National Library of Medicine (PubMed). All HonorHealth journal content is accessible through link resolvers in all 3 search platforms, making it easy for researchers to access full-text articles in real-time.

- CINAHL (Cumulative Index to Nursing and Allied Health Literature) provides indexing for more than 3,000 journals from the fields of nursing and allied health. The database contains more than 2.6 million records dating back to 1981. Offering complete coverage of English-language nursing journals & publications from the National League for Nursing and the American Nurses' Association, CINAHL covers nursing, biomedicine, health sciences librarianship, alternative medicine, consumer health and 17 allied health disciplines.
- Health Business Elite database covers the journal literature concerning the business of health care. It provides full-text coverage of more than 130 well-known administrative journals such as H&HN: Hospitals & Health Networks, Health Management Technology, Modern Healthcare, and many others, Critical for hospital administrators and managers, this subset of Health Business™ Elite includes publications covering topics such as staffing, health care regulation, health care facilities management, marketing, finance and more.

#### N. Research/Scholarly Activity and Faculty resources

- A [dedicated research/QI library hub](#) curated by the HonorHealth librarians which covers topics including project design, research projects, IRB preparation and submission, data management and other QI and research needs.
- A [writing hub](#) on the library site with dissemination resources for posters, presentations and publishing
- Research instruments (scientific scales, tests & measurements) from a variety of indexes and sources, such as the American Psychological Association, the National Library of Medicine and ETS.
- Theses & dissertations published by colleges and universities throughout the world (via interlibrary- loan), found in indexes such as ERIC, Networked Digital Library of Theses & Dissertations, OpenTheses.org, Registry of Open Access Repositories (ROAR), and OCLC WorldCat.
- Arizona Department of Health Services (state and local public health data)

- Guidelines Trust (ERCI) and National Quality Measures (from the U.S. Agency for Healthcare Research and Quality)
- TOXNET, a National Library of Medicine database on toxicology, hazardous chemicals, environmental health and toxic releases
- GreenFILE database of published literature concerning environmental issues

#### O. Faculty Resources

- ProceduresConsult (via ClinicalKey) provides over 300 educational videos on procedures in Emergency, Internal Medicine, Anesthesiology, General Surgery, Cardiology and other specialties.
- Teacher Reference Center, an index of 280 peer-reviewed journals for teachers, covering topics like assessment, best practices, continuing education, and curriculum development
- A [faculty development library resource guide](#) curated by the HonorHealth librarians anQI and research, feedback and clinical teaching, ACGME basics, didactic teaching tips and toolkits and personal development

#### P. Textbooks (electronic & print)

- ClinicalKey contains over 1100 medical and nursing e-textbooks and manuals.
- TDS ( formerly STATRef) includes over 140 medical and nursing e-textbooks.
- Ovid Books provides a small collection of LWW medical & nursing reference e-books
- HonorHealth Library Services provides immediate, direct access to over 1,900 clinical texts, 240 leadership & management books, and over 1,800 consumer health & wellness books. These collections cover a wide range of specialty and subject areas (see below). Library Services also provides rapid interlibrary loan (ILL) services for any texts we do not own in our collection. Typical response time on ILL requests is 2 business days. Categories include:
  - a) Primary care/Family Medicine/Internal Medicine
  - b) Obstetrics & Gynecology
  - c) Surgery & Perioperative Care
  - d) Oncology
  - e) Subspecialties including Gastroenterology, Neurology, Orthopedics, Heart & Vascular, Dermatology, Psychiatry, Pediatrics, and Geriatrics
  - f) Business leadership & management
  - g) Health business, management and leadership
  - h) Professional development & certification (“test prep”) materials
  - i) Various consumer health & wellness and chronic disease management topics, in

alignment with HonorHealth priorities

Q. eJournals, Full-text

- JAMA and JAMA Archives, Lancet, NEJM available electronically
- Thousands of journal titles available through Medline with Full Text, CINAHL Complete, ClinicalKey and other database collections (title lists available upon request).

R. Drug information

- Micromedex provides information and complete monographs on thousands of drugs. It includes toxicity information, therapeutic doses, pill identification, and dosing calculators. The complete drug monographs in this resource are often considered to be the “gold standard”.
- Lexi-Comp, available through UpToDate, is another drug information product, with features including aural pronunciation of the drugs’ names and chemotherapy regimens.
- FDA Electronic Orange Book (consumer information on generic drugs)

S. Herbals & Supplements

- National Center for Complementary & Integrative Health (NCCIH) resources (including clinical practice guidelines and literature reviews for health care professionals)

T. Patient Education/Consumer Health/Literacy resources

- MEDLINEplus (Consumer health info from the National Library of Medicine)
- CareNotes patient education resources (via Micromedex suite)
- Basics & Beyond the Basics series (via UpToDate)
- ExitCare (via ClinicalKey)
- Healthwise patient education resources
- A wide variety of health literacy toolkits and resources, including resources for Ask Me 3 and TeachBack