

University of Pittsburgh

School of Medicine

CURRICULUM VITAE

BIOGRAPHICAL

Name: Daniel E. Hall
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Business Address: Department of Surgery, F1264
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EDUCATION and TRAINING

UNDERGRADUATE

1987-1991	Yale College New Haven, CT	B.A. (1991) Magna Cum Laude	Major Subject: Biology Minor Subject: Philosophy
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GRADUATE

1993-1996	Yale Divinity School New Haven, CT	M.Div (1996)	Major Subject: Theology
1995-1999	Yale School of Medicine New Haven, CT	M.D. (1999)	Major Subject: Medicine

2002-2005	Duke University Durham, NC	M.H.Sc. (2005)	Major Subject: Health Science Research
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POSTGRADUATE

1999-2002	Intern and Resident University of Pittsburgh Medical Center Pittsburgh, PA Program director: Kenneth K. Lee, MD		Major Subject: General Surgery
2002-2005	Post Doctoral Fellow Duke University Medical Center Durham, NC Program director: Harold G. Koenig, MD		Major Subject: Religion and Health
2002-2007	Resident University of Pittsburgh Medical Center Pittsburgh, PA Program director: Kenneth K. Lee, MD		Major Subject: General Surgery
April 9, 2014	Robotic Surgery Training DaVinci System Training: Console Surgeon Florida Hospital-Celebration, FL Program directors: Gillian Duncan, D.Ed Myran Cuel, MD		Major Subject: Robotic Surgery
Feb 3, 2017 June 8, 2017	Vital Talk Faculty Development R1&R2 Teaching to Teach Communication Skills, parts 1 & 2 University of Pittsburgh Medical Center, Pittsburgh, PA Program directors: Robert Arnold, MD Julie Childers, MD		Major Subject: Communication Skills

APPOINTMENTS and POSITIONS

ACADEMIC

1/1/2022-present	University of Pittsburgh School of Medicine Department of Surgery, F1264 200 Lothrop Street Pittsburgh, PA, 15213	Professor (with tenure)
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7/1/2019-present	University of Pittsburgh School of Medicine Department of Anesthesiology and Perioperative Medicine A-1305 Scaife Hall 3550 Terrace St Pittsburgh, PA 15261	Professor (with tenure) (secondary appointment)
7/1/2019-present	University of Pittsburgh School of Medicine Department of Anesthesiology and Perioperative Medicine A-1305 Scaife Hall 3550 Terrace St Pittsburgh, PA 15261	Associate Professor (secondary appointment)
9/23/2011-present	Center for Bioethics and Health Law University of Pittsburgh 3708 Fifth Avenue Medical Arts Building, Suite 300 Pittsburgh, PA 15213	Core Faculty
1/1/2023-present	University of Pittsburgh Department of Religious Studies 2604 Cathedral of Learning 4200 Fifth Avenue Pittsburgh, PA 15260	Affiliated Faculty (unofficial courtesy)
3/17/2022-present	Beatrice Institute 347 S. Bouquet St. Pittsburgh, PA 15213	Faculty Fellow
11/14/2011-present	Center for Spirituality, Theology, and Health Duke University Box 2400 Duke University Medical Center Besse Building, Suite 0505 Durham, NC 27710	Faculty Scholar (non-resident, unpaid volunteer)
2/1/2014-12/31/2021	University of Pittsburgh School of Medicine Department of Surgery, F1264 200 Lothrop Street Pittsburgh, PA, 15213	Associate Professor

7/1/ 2007-1/31/2014	University of Pittsburgh School of Medicine Department of Surgery, F1264 200 Lothrop Street Pittsburgh, PA, 15213	Assistant Professor
9/1/2007-9/23/2011	Center for Bioethics and Health Law University of Pittsburgh 3708 Fifth Avenue Medical Arts Building, Suite 300 Pittsburgh, PA 15213	Affiliated Faculty

NON-ACADEMIC

HOSPITAL AND HEALTH SYSTEM POSITIONS:

7/1/2018-present	UPMC Physician Services Division Forbes Tower, Suite 9055 Pittsburgh, PA, 15213	Medical Director, High Risk Populations and Outcomes, Wolff Center at UPMC
7/1/2015-6/30/2018	UPMC Physician Services Division Forbes Tower, Suite 9055 Pittsburgh, PA, 15213	Administrative Consultant (Frailty in Elective Surgery)

GOVERNMENT POSITIONS:

10/1/2007-present	Veterans Affairs Pittsburgh Healthcare System Department of Surgery University Drive Pittsburgh, PA 15240	Staff Surgeon
10/1/2007-present	Center for Health Equity Research and Promotion Veterans Affairs Pittsburgh Healthcare System University Drive Pittsburgh, PA 15240	Core Investigator

CHURCH POSITIONS:

2006-Present	First Lutheran Church Pittsburgh, PA	Assisting Episcopal Priest
2002-2005	Church of the Holy Family Chapel Hill, NC	Assistant Rector

1999-2002	Trinity Cathedral Pittsburgh, PA	Canon Missioner for Young Adults
1998-1999	All Saints Meriden, CT	Lay pastoral Assistant
1994-1998	Trinity Church on the Green New Haven, CT	Seminarian

WORK EXPERIENCE:

1993	New England Biolabs	Lab Technician
1986-1989	Beverly, MA	
	<ul style="list-style-type: none"> -Cloned and sequenced the restriction/modification system for <i>Apal</i> (1993) -Discovered restriction endonucleases <i>Bsp</i>HI (1986) and <i>Eco</i>NI (1987). -Assisted in developing a new method for cloning restriction enzymes (1988). 	
1991-1992	St. David's Girls' High School Zimbabwe	Science Teacher
	<ul style="list-style-type: none"> -Carried a load of 250 students in biology, chemistry and general sciences. -Coached the volleyball and debate teams. 	
1991 (Aug-Oct)	Copyright Clearance Center Salem, MA	Publisher Representative
	<ul style="list-style-type: none"> -Solicited and maintained business relationships with over 300 publishers 	

CERTIFICATION and LICENSURE

SPECIALTY CERTIFICATION:

American Board of Surgery	29 January 2008 - Current
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MEDICAL or OTHER PROFESSIONAL LICENSURE:

Drug Enforcement Administration (DEA)	Issue Date	10/24/2007
	Expiration Date	10/31/2024

Pennsylvania Medical Licensure: MD418508	Issue Date	12/19/2001
	Expiration Date	12/31/2024

Ordination (Episcopal)	
Priest	October 7, 2001
Deacon	June 12, 1999
Canonical Residence	Diocese of Pittsburgh

MEMBERSHIP in PROFESSIONAL and SCIENTIFIC SOCIETIES

American College of Surgeons, Associate Member	2005-2009
Society for the Scientific Study of Religion	2005-2009
American Society for Bioethics and Humanities	2006-2016
Association of Academic Surgery Ethics Committee 2012-2014	2009-2019
American College of Surgeons, Fellow	2009-present
Southwest Pennsylvania Chapter of the American College of Surgeons Council Member 2010-2013	2009-present
Association of VA Surgeons Research Committee, 2015-2018 Awards Committee, 2017-2021 Publications Committee, 2020-present Membership Committee, 2021-2024 Chair Bylaws Committee, 2023-present Executive Council, 2023-present	2012-present
Society of University Surgeons Ethics and Conflict of Interest (COI) Committee, 2023-present	2017-present

HONORS, AWARDS, AND RECOGNITIONS

<u>Surgical Pause Adopted by National Surgery Office</u> The National Surgery office announced that they have adopted the Surgical Pause as a national VA program at the 2023 Surgical Pause Symposium.	2023
<u>Surgical Pause Symposium, Orlando, FL June 21-22, 2023</u> I organized and led a national conference with >150 attendees aimed at sharing experience and best practice with the Surgical Pause,	2023
<u>UPMC Physician Excellence in Leadership Award (Nominee Only)</u> The award honors physicians who demonstrate exceptional clinical leadership, embody the UPMC core values, and have made noteworthy, innovative contributions to enhancing clinical infrastructure, “practice life”, and professional fulfillment of providers in the delivery of clinical care. It also	2022

honors physicians who demonstrate a visionary approach to problem-solving and are highly engaged in improvement projects or advocates for positive change. Although I was not the awardee, it is an honor to be considered.

National Diffusion Practice 2021

The [Surgical Pause Diffusion Marketplace](#) website became public facing in October 2021, becoming a global repository for information and tools supporting the wider implementation of the Surgical Pause keyed on surgical frailty.

VHA Innovation Experience Virtual Series 2021

In October 2021, I was invited to the VHA Innovation Ecosystem Event to give an [iEX Talk](#), a TED-like talk from National Press Club that is broadcast nationally in September 2021.

National RAI CPRS Template 2021

The RAI Frailty Tool was released nationally across the VA Healthcare System in every instance of the CPRS electronic health record as a standardized template for calculating surgical frailty with the Risk Analysis Index (September 2021).

RAI Release in Epic 2021

The Risk Analysis Index was selected for distribution to all interested Epic clients as a Clinical Program in 2020, and in June 2021, it was released worldwide and available to any Epic client.

Nominated for 2020 HSR&D Health System Impact Award 2020

It is an honor to merely be nominated for this prestigious national award given to a single person each year in recognition for exceptional contribution to a sustained body of work in health services research. VA Centers of Innovation may nominate only one candidate.

National Diffusion Practice 2020

Based on grass roots enthusiasm following the VA Shark Tank competition for my practice of Preoperative Frailty Screening and Prehabilitation, the practice was chosen for national diffusion with 3 years of administrative support from the VHA Innovation Ecosystem, working to make frailty screening standard of care nationwide across the VA. It was also briefed to the Chief Medical and Nursing Officers at VA Central Office.

American Board of Surgery Maintenance of Certification Exam 2020

My research and publication focused on preoperative frailty screening were cited by one of the “core” questions in the biennial MOC exam, demonstrating that my work is contributing to changes in the standard of care for frail patients.

<u>Risk Analysis Index chosen as Epic Clinical Program</u>	2020
Based on data an implementation, the Risk Analysis Index as programmed in Epic was selected for distribution to all interested Epic clients as a Clinical Program integrated into the electronic health record.	
<u>July 2020 Chief of Staff Clinical Excellence Award</u>	2020
Selected by peers for a rotating award honoring clinical excellence. Award cited my work implementing frailty screening and goals of care clarification in advance of scheduled surgery.	
<u>Gold Status Awardee, VA Shark Tank Competition</u>	2019
Competed in the third annual VA Shark Tank at the VA Innovation Experience at the National Press Club, October 22-23, 2019. My practice Preoperative Frailty Screening and Prehabilitation was one of the winning, Gold Status, practices with bids to implement at VA Medical Centers in Iowa City, Gainesville, Florida and Lexington, VA.	
<u>Stakeholder Representative for Geriatric Surgery.</u>	2015-2019
Invited to participate as a key stakeholder in the Coalition for Quality in Geriatric Surgery Project, jointly sponsored by the American College of Surgeons and the John A. Hartford Foundation and aimed at developing standards for the surgical care of geriatric patients, September 10, 2015, May 12-13, 2016, September 27, 2018, and July 19, 2019. Appointed to represent UPMC by Dr. Steven Shapiro.	
<u>Faculty Mentor, Physician Leadership Program</u>	2018
Mentored group of 5 physicians in developing analysis of shared decision-making needs across UPMC as part of a joint program between UPMC and the Katz Graduate School for Business.	
<u>Alumni Preacher, Yale University</u>	2016
Invited to preach at the University Church as the final event of the 25 th reunion weekend, May 29, 2016.	
<u>4th Annual Conference on Medicine and Religion</u>	2015
Invited to judge the posters and lead students in poster sessions. Session moderator. Also asked to host dinner to foster community around a topic of interest. March 6-9, 2015, Boston, MA.	
<u>Invited Participant: VA HSR&D CDA Conference</u>	2014
Invited to participate in a day-long conference for CDA recipients in Washington, DC on February 12, 2014.	

<p><u>Keynote Speaker for Student Clinician Pinning Ceremony</u> Invited by the Gold Humanism Honor Society to give the keynote address at the pinning ceremony for the rising third year medical students on May 3, 2013.</p>	2013
<p><u>On Moral Medicine, 3rd Edition</u> Two of my publications were anthologized in the 3rd edition of the pre-eminent text on theological bioethics: <i>On Moral Medicine: Theological Perspectives in Medical Ethics</i> (Lysaught MT and Kotva JJ, eds. Eerdmans: Grand Rapids 2012). To be included in this text puts my work alongside the most influential scholars in this field over the past 70 years.</p>	2012
<p><u>Surgical Ethics Working Group for SCORE</u> Invited to help develop ethics curricula for the Surgical Council on Resident Education (SCORE) [www.surgicalcore.org]. Worked with other leaders in surgical ethics to develop ethical analysis of clinical vignettes.</p>	2012
<p><u>2010 Gathering of GenX Clergy</u> Invited to help lead a select group of influential young clergy of the Episcopal Church in a 5-day retreat to discern leadership directions for the future of the church and society.</p>	2010
<p><u>Junior Scholar for the Practice and Profession Working Group</u> One of 4 junior scholars chosen to participate in a year-long workshop that brings together senior scholars from the University of Chicago, Duke University, and Notre Dame, to address the question: "What would it mean rightly to set the practice of medicine in the context of a good (virtuous, ethical, and/or faithful) life?" Sponsored by the Program on Medicine and Religion at the University of Chicago.</p>	2010-2011
<p><u>CREDO</u> Invited to participate in 8-day professional development and vocational discernment retreat sponsored by the Church Pension Group of the Episcopal Church, November 2-9.</p>	2009
<p><u>Dorris B Maxwell Award for Research</u> Awarded to that graduating chief surgical resident who, in the eyes of the faculty, has been most creative and productive during the research component of the residency training.</p>	2007
<p><u>Preaching Excellence Program</u> Invited with 25 other students nationwide for a one-week intensive workshop on homiletics at the College of Preachers Washington, D.C.</p>	1995

<u>NIH Centennial Scholar</u>	1987
Chosen as the single student to represent Massachusetts at the National Institutes of Health Centennial in Washington, D.C.	
<u>Summer Science Institute</u>	1986
Weizmann Institute of Science Rehovot, Israel	

PUBLICATIONS

1. ORIGINAL PEER REVIEWED ARTICLES

Refereed articles (Articles based on empirical data are marked “E” and articles based on theoretical or philosophical argument and analysis are marked ‘P’.)

1. **Hall DE**, Curlin F, & Koenig HG. When clinical medicine collides with religion. *The Lancet*. 2003;362(Supp1):s28-s29. doi:[10.1016/s0140-6736\(03\)15065-9](https://doi.org/10.1016/s0140-6736(03)15065-9). PMID: [14698119](https://pubmed.ncbi.nlm.nih.gov/14698119/). PMCID: [PMC8802709](https://pubmed.ncbi.nlm.nih.gov/pmc/PMC8802709/). **P**
2. **Hall DE**, & Curlin F. Can physicians’ care be neutral regarding religion?. *Acad Med*. 2004;79(7):677-679. doi:[10.1097/00001888-200407000-00012](https://doi.org/10.1097/00001888-200407000-00012). PMID: [15234919](https://pubmed.ncbi.nlm.nih.gov/15234919/). **P**
3. **Hall DE**, Koenig HG, & Meador KG. Conceptualizing "religion": how language shapes and constrains knowledge in the study of religion and health. *Perspect Biol Med*. 2004;47(3):386-401. doi:[10.1353/pbm.2004.0050](https://doi.org/10.1353/pbm.2004.0050). PMID: [15247504](https://pubmed.ncbi.nlm.nih.gov/15247504/). **P**
4. Cohen AB, **Hall DE**, Koenig HG, & Meador KG. Social versus individual motivation: implications for normative definitions of religious orientation. *Pers Soc Psychol Rev*. 2005;9(1):48-61. doi:[10.1207/s15327957pspr0901_4](https://doi.org/10.1207/s15327957pspr0901_4). PMID: [15745864](https://pubmed.ncbi.nlm.nih.gov/15745864/). **E**
5. Curlin FA, & **Hall DE**. Strangers or friends? A proposal for a new spirituality-in-medicine ethic [published correction appears in *J Gen Intern Med*. 2005 May;20(5):485]. *J Gen Intern Med*. 2005;20(4):370-374. doi:[10.1111/j.1525-1497.2005.04110.x](https://doi.org/10.1111/j.1525-1497.2005.04110.x). PMID: [15857497](https://pubmed.ncbi.nlm.nih.gov/15857497/). PMCID: [PMC1490093](https://pubmed.ncbi.nlm.nih.gov/pmc/PMC1490093/). **P**
6. **Hall DE**. Religious attendance: More cost effective than Lipitor? *J Am Board Fam Med*. 2006;19(2):103-109. doi:[10.3122/jabfm.19.2.103](https://doi.org/10.3122/jabfm.19.2.103). PMID: [16513898](https://pubmed.ncbi.nlm.nih.gov/16513898/). **E**
This article was the 7th most downloaded paper in 2006 for this journal. See: The 20 Most-Frequently Read Articles in the JABFM. *Journal of the American Board of Family Practice*. Mar-April 2006 (19) 103-9.
7. **Hall DE**, Koenig HG, & Meador KG. Hitting the target: why existing measures of “religiousness” are really reverse-scored measures of “secularism”. *Explore: (NY)*. 2008;4(6):368-373. doi:[10.1016/j.explore.2008.08.002](https://doi.org/10.1016/j.explore.2008.08.002). PMID: [18984548](https://pubmed.ncbi.nlm.nih.gov/18984548/). PMCID: [PMC8802532](https://pubmed.ncbi.nlm.nih.gov/pmc/PMC8802532/). **P**
8. **Hall DE**. Altar and table: a phenomenology of the surgeon-priest. *Yale J Biol Med*. 2008;81(4):193–198. PMID: [19099050](https://pubmed.ncbi.nlm.nih.gov/19099050/). PMCID: [PMC2605310](https://pubmed.ncbi.nlm.nih.gov/pmc/PMC2605310/). **P**

9. Cohen AB, & **Hall DE**. Existential beliefs, social satisfaction, and well-being among Catholic, Jewish, and Protestant older adults. *Int J Psychol Relig*. 2009;19(1):39-54. doi:[10.1080/10508610802471088](https://doi.org/10.1080/10508610802471088). E
10. **Hall DE**, Meador KG, & Koenig HG. Episcopal measure of faith tradition: a context-specific approach to measuring religiousness. *J Relig Health*. 2010;49(2):164-178. doi:[10.1007/s10943-009-9240-3](https://doi.org/10.1007/s10943-009-9240-3). PMID: [19288198](https://pubmed.ncbi.nlm.nih.gov/19288198/). PMCID: [PMC8761480](https://pubmed.ncbi.nlm.nih.gov/PMC8761480/). E
11. Thirunavukarasu P, Brewster LP, Pekorka SM, & **Hall DE**. Educational intervention is effective in improving knowledge and confidence in surgical ethics - a prospective study. *Am J Surg*. 2010;200(5): 665-669. doi: [10.1016/j.amisurg.2010.08.002](https://doi.org/10.1016/j.amisurg.2010.08.002). PMID: [21056150](https://pubmed.ncbi.nlm.nih.gov/21056150/). E
12. **Hall DE**. The guild of surgeons as a tradition of moral enquiry. *J Med Philos*. 2011;36(2):114-132 doi:[10.1093/jmp/jhr005](https://doi.org/10.1093/jmp/jhr005). PMID: [21576372](https://pubmed.ncbi.nlm.nih.gov/21576372/). PMCID: [PMC8845089](https://pubmed.ncbi.nlm.nih.gov/PMC8845089/). P
This was the lead article in this issue dedicated to Alisdair Macintyre's influence on medicine, its practices, and medical ethics.
13. Ai AL, & **Hall DE**. Divine love and deep connections: a long-term followup of patients surviving cardiac surgery. *J Aging Res*. 2011;2011:841061. doi:[10.4061/2011/841061](https://doi.org/10.4061/2011/841061). PMID: [21748012](https://pubmed.ncbi.nlm.nih.gov/21748012/). PMCID: [PMC3124964](https://pubmed.ncbi.nlm.nih.gov/PMC3124964/). E
14. Brewster LP, **Hall DE**, & Joehl RJ. Assessing residents in surgical ethics: we do it a lot; we only know a little. *J Surg Res*. 2011;171(2):395-398. doi:[10.1016/j.jss.2011.04.008](https://doi.org/10.1016/j.jss.2011.04.008). PMID: [21601880](https://pubmed.ncbi.nlm.nih.gov/21601880/). E
15. Brewster LP, Palmatier J, Manley CJ, **Hall DE**, & Brems JJ. Limitations on surrogate decision-making for emergent liver transplantation. *J Surg Res*. 2012;172(1):48-52. doi:[10.1016/j.jss.2011.04.042](https://doi.org/10.1016/j.jss.2011.04.042). PMID: [21696773](https://pubmed.ncbi.nlm.nih.gov/21696773/). E
16. **Hall DE**, Hanusa B, Switzer G, Fine M, & Arnold R. The impact of iMedConsent™ on patient decision making regarding cholecystectomy and inguinal herniorrhaphy. *J Surg Res*. 2012;175(2):227-233. doi:[10.1016/j.jss.2011.04.056](https://doi.org/10.1016/j.jss.2011.04.056). PMID: [21704336](https://pubmed.ncbi.nlm.nih.gov/21704336/). PMCID: [PMC7180386](https://pubmed.ncbi.nlm.nih.gov/PMC7180386/). E
17. Neal MD, Alverdy JC, **Hall DE**, Simmons RL, & Zuckerbraun BS. Diverting loop ileostomy and colonic lavage: an alternative to total abdominal colectomy for the treatment of severe, complicated Clostridium difficile-associated disease. *Ann Surg*. 2011;254(3):423-429. doi:[10.1097/SLA.0b013e31822ade48](https://doi.org/10.1097/SLA.0b013e31822ade48). PMID: [21865943](https://pubmed.ncbi.nlm.nih.gov/21865943/). E
18. Ai AL, **Hall DE**, Pargamet K, & Tice TN. Posttraumatic growth in patients who survived cardiac surgery: the predictive and mediating roles of faith-based factors. *J Behav Med*. 2013;36(2):186-198. doi:[10.1007/s10865-012-9412-6](https://doi.org/10.1007/s10865-012-9412-6). 2013;36(2):186-198. PMID: [22460360](https://pubmed.ncbi.nlm.nih.gov/22460360/). E
19. Antiel RM, Van Arendonk KJ, Reed DA, Terhune KP, Tarpley JL, Porterfield JR, **Hall DE**, Joyce DL, Wightman SC, Horvath KD, Heller SF, & Farley DR. Surgical training, duty-hour restrictions, and implications for meeting the accreditation council for graduate medical education core competencies: views of surgical interns compared with program directors. *Arch Surg*. 2012;147(6):536-541. doi:[10.1001/archsurg.2012.89](https://doi.org/10.1001/archsurg.2012.89). PMID: [22786539](https://pubmed.ncbi.nlm.nih.gov/22786539/). E
20. **Hall DE**, Morrison P, Nikolajski C, Fine MJ, Arnold RM, & Zickmund SL. Informed consent for inguinal herniorrhaphy and cholecystomy: describing how patients make decisions to have surgery. *Am J Surg*. 2012;204(5):619-625. doi:[10.1016/j.amisurg.2012.07.020](https://doi.org/10.1016/j.amisurg.2012.07.020). PMID: [22944389](https://pubmed.ncbi.nlm.nih.gov/22944389/). PMCID: [PMC7224355](https://pubmed.ncbi.nlm.nih.gov/PMC7224355/). E

21. Ai AL, **Hall DE**, & Bolling SF. Interleukin-6 and hospital length of stay after open-heart surgery. *Biological Psychiatry and Psychopharmacology*. 2012;14(2):79-82. (An official publication for the *World Federation of Societies of Biological Psychiatry*). PMID: [32742250](#). PMCID: [PMC7394292](#). **E**
22. Antiel RM, Reed DA, Van Arendonk KJ, Wightman SC, **Hall DE**, Porterfield JR, Horvath KD, Terhune KP, Tarpley JL, & Farley DR. Effects of duty hour restrictions on core competencies, education, quality of life, and burnout among general surgery interns. *JAMA Surg*. 2013;148(5):448-455. doi:[10.1001/jamasurg.2013.1368](#). PMID: [23325404](#). **E**
23. **Hall DE**. "Who decides when the patient cannot?". Multimedia peer-reviewed module for the *American Board of Surgery SCORE Curriculum*. www.surgicalcore.org. (2014). **P**
24. Ernst K, **Hall DE**, Lynch TJ, Schmid KK, Seevers G, Lavedan P, Lynch T, & Johanning J. Surgical palliative care consultations over time in relation to system wide frailty-screening. *JAMA Surg*. 2014;149(11):1121-1126 doi:[10.1001/jamasurg.2014.1393](#). PMID: [25207603](#). PMCID: [PMC4603652](#). **E**
25. **Hall DE**, Hanusa BH, Stone RA, Ling BS, & Arnold RM. Time required for institutional review board review at one Veterans Affairs medical center. *JAMA Surg*. 2015;150(2):103-109. doi:[10.1001/jamasurg.2014.956](#). PMID: [25494359](#). PMCID: [PMC4527305](#). **E**
26. **Hall DE**, Hanusa BH, Fine MJ, & Arnold RM. Do surgeons and patients discuss what they document on consent forms? *J Surg Res*. 2015;197(1): 66-77. doi:[10.1016/j.jss.2015.03.058](#). PMID: [25891679](#). PMCID: [PMC4603654](#). **E**
27. **Hall DE**, Hanusa BH, Ling BS, Stone RA, Switzer GE, Fine MJ, & Arnold RM. Using the IRB Researcher Assessment Tool to guide quality improvement. *J Empir Res Hum Res Ethics*. 2015;10(5):460-469. doi:[10.1177/1556264615612195](#). PMID: [26527369](#). PMCID: [PMC4644456](#). **E**
28. Varley PR, Feske U, Gao S, Stone R, Zhang S, Monte R, Arnold RM, & **Hall, DE**. Time required to review research protocols at 10 Veterans Affairs Institutional Review Boards. *J Surg Res* 2016; 204(2):481-489. doi:[10.1016/j.jss.2016.06.004](#). PMID: [27565086](#). PMCID: [PMC7224356](#). **E**
29. **Hall DE**, Feske U, Hanusa BH, Ling BS, Stone RA, Gao S, Switzer GE, Dobalian A, Fine MJ, & Arnold RM. Prioritizing initiatives for Institutional Review Board (IRB) quality improvement. *AJOB Empir Bioeth*. 2016; 7(4):265-274. doi:[10.1080/23294515.2016.1186757](#). PMID: [32775502](#) PMCID: [PMC7409436](#) **E**
30. **Hall DE**, Arya S, Schmid KK, Blaser C, Carlson MA, Bailey TL, Purviance G, Bockman T, Lynch TG, & Johanning JM. Development and initial validation of the Risk Analysis Index (RAI) for measuring frailty in surgical populations. *JAMA Surg* 2017; 152(2):175-182 doi:[10.1001/jamasurg.2016.4202](#). PMID: [27893030](#). PMCID: [PMC7140150](#). **E**
 - This was article was widely reported in print and online media, earning an Altmetric score of 148 (July 2017), placing it among the top 5% of all research outputs scored by Altmetric. (See media contacts below).
31. **Hall DE**, Arya S, Schmid KK, Carlson MA, Lavedan P, Bailey TL, Purviance G, Bockman T, Lynch TG, & Johanning JM. Association of a frailty screening initiative with post-operative survival at 30, 180 and 365 days. *JAMA Surg*. 2017;152(3):233-240. doi: [10.1001/jamasurg.2016.4219](#). PMID: [27902826](#). PMCID: [PMC7180387](#). **E**
 - Discussed at the 2017 Chilean Congress of Anesthesiology as one of the top articles

for critical reading.

- This article was widely reported in print and online media, earning an Altmetric score of 143 (July 2017), placing it among the top 5% of all research outputs scored by Altmetric. (See media contacts below).
 - Highlighted as “key paper” in Science, Medicine and the Anesthesiologist, *Anesthesiology* 2017 127(2): A1-2.
 - Highlighted on VA Health Services Research & Development home page September 2017 (<https://www.hsrdr.research.va.gov/news/feature/aging0917.cfm>).
32. Shah R, Attwood K, Arya S, **Hall DE**, Johanning JM, Gabriel E, Vioni A, Nurkin S, Kukar M, Hochwald, & Massarweh, NN. Association of frailty with failure to rescue after low-risk and high-risk inpatient surgery. *JAMA Surg.* 2018;153(5):e180214. doi:[10.1001/jamasurg.2018.0214](https://doi.org/10.1001/jamasurg.2018.0214). PMID: [29562073](https://pubmed.ncbi.nlm.nih.gov/29562073/). PMID: [PMC5875343](https://pubmed.ncbi.nlm.nih.gov/PMC5875343/). E
33. Martsof GR, & **Hall, DE**. Is a culture of health always healthy?. *Nurs Forum.* 2019;54(3):392-395. doi:[10.1111/nuf.12345](https://doi.org/10.1111/nuf.12345). PMID: [30908674](https://pubmed.ncbi.nlm.nih.gov/30908674/). P
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88. George EL, Jacobs MA, Reitz KM, Massarweh NN, Youk A, Arya S, **Hall DE**. Postoperative outcomes of women undergoing noncardiac surgery in Veterans Affairs compared to non-Veterans Affairs care setting. *JAMA Surg* (in press). E
89. Schmidt S, Jacobs MA, Kim J, **Hall DE**, Stitzenberg KB, Kao LS, Brimhall BB, Wang CP, Manuel LS, Su H, Silverstein JC, Shireman PK. Presentation Acuity Drives Worse Outcomes for Insured Patients in Highly Deprived Neighborhoods. *JAMA Surg* (in press). E

2. **OTHER PEER REVIEWED PUBLICATIONS**

Refereed articles (Systematic reviews are marked “R”, and commentary “C”.)

1. **Hall DE**, Meador KG, & Koenig HG. Measuring religiousness in health research: review and critique. *J Relig Health*. 2008;47(2):134-163. doi:[10.1007/s10943-008-9165-2](https://doi.org/10.1007/s10943-008-9165-2). PMID: [19105008](https://pubmed.ncbi.nlm.nih.gov/19105008/). R

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2. **Hall DE**, Prochazka AV, & Fink AS. Informed consent for clinical treatment. *CMAJ*. 2012;184(5):533-540. doi:[10.1503/cmaj.112120](https://doi.org/10.1503/cmaj.112120). PMID: [22392947](https://pubmed.ncbi.nlm.nih.gov/22392947/). PMCID: [PMC3307558](https://pubmed.ncbi.nlm.nih.gov/PMC3307558/). **R**
3. Johanning JM, **Hall DE**, & Arya S. Frailty and mortality after noncardiac surgery in elderly individuals: metrics, systems, and the elephant [invited commentary]. *JAMA Surg*. 2016;151(6):545-546. doi:[10.1001/jamasurg.2015.5235](https://doi.org/10.1001/jamasurg.2015.5235). PMID: [26790639](https://pubmed.ncbi.nlm.nih.gov/26790639/). **C**
4. Johanning, JM & **Hall DE**. Successful prehabilitation: a noble goal. *J Am Geriatr Soc*. 2018;66(10):1869. doi:[10.1111/jgs.15599](https://doi.org/10.1111/jgs.15599). PMID: [30289958](https://pubmed.ncbi.nlm.nih.gov/30289958/). **C**
5. **Hall, DE**. Reimagining surgical success: caring for those who die despite our best efforts. *JAMA Surg*. 2020;155(2):146-147. doi:[10.1001/jamasurg.2019.5084](https://doi.org/10.1001/jamasurg.2019.5084). PMID: [31895419](https://pubmed.ncbi.nlm.nih.gov/31895419/). **C**
6. Reitz KM, Arya S, **Hall DE**. Quantifying frailty requires a conceptual model before a statistical model. *JAMA Surg*. 2022;157(11):1065. doi:[10.1001/jamasurg.2022.3110](https://doi.org/10.1001/jamasurg.2022.3110). PMID: [35947376](https://pubmed.ncbi.nlm.nih.gov/35947376/). **C**
7. Varley PR, Buchanan D, **Hall DE**. Concerns about a frailty screening initiative and postoperative mortality – reply. *JAMA Surg*. 2023. doi:[10.1001/jamasurg.2023.2858](https://doi.org/10.1001/jamasurg.2023.2858). PMID: [37466936](https://pubmed.ncbi.nlm.nih.gov/37466936/). **C**

3. OTHER NON-PEER REVIEWED PUBLICATIONS

(Articles based on philosophical analysis are marked ‘P’, letters are marked “L”.)

Medical

1. **Hall, DE**. “Can’t Talk Now,” *Yale Medicine*, Winter 1999. **P**
2. **Hall DE**. [Correspondence] Medicine and Religion: A response to Sloan, et. al. *New England Journal of Medicine*. 343(18):1339-1342, November 2, 2000. **L**
3. **Hall DE**, & Koenig HG. Christian Science on Trial: Religious Healing in America (Book Review). *New England Journal of Medicine*. 2003;349(26):2574-2575. **P**
4. **Hall DE**, Catanzaro AM, Harrison MO, & Koenig HG. [Correspondence] Religion, spirituality, and mysticism. *American Journal of Psychiatry*. 2004;161(9):1720-21. doi: [10.1176/appi.ajp.161.9.1720](https://doi.org/10.1176/appi.ajp.161.9.1720). PMID: [15337676](https://pubmed.ncbi.nlm.nih.gov/15337676/). **L**
5. Curlin F, & **Hall DE**. Red Medicine, Blue Medicine: Pluralism and the future of healthcare. The Religion and Culture Web Forum (May 2005). The Martin Marty Institute for the Advanced Study of Religion and the University of Chicago. **P**
6. Curlin F, & **Hall DE**. Regarding Plan B: Science and politics cannot be separated. *Obstet Gynecol (The Green Journal)*. 2005;105(5):1148-50. doi:[10.1097/01.aog.0000162540.26907.43](https://doi.org/10.1097/01.aog.0000162540.26907.43). PMID: [15863562](https://pubmed.ncbi.nlm.nih.gov/15863562/). **P**
 Note that this “letter to the editor” is 1700 words long and went through the peer review process. However, the editor chose not to publish it as a refereed article due to the politically controversial subject matter. However, the word limit was removed and it contains all components of an original investigation.
7. **Hall DE**. [Correspondence] Religious Attendance: More Cost Effective than Lipitor? *J Am Board Fam Med*. 2006;19(4):431-3. **L**
8. **Hall DE**, Prochazka A, & Fink AS. Response to Drs Gray and Mann. (Correspondence RE: "Informed consent for clinical treatment" Hall, Prochazka A, Fink A., *Canadian Medical*

Association Journal 184:533-540. doi:[10.1503/cmaj.112120](https://doi.org/10.1503/cmaj.112120).) Published online May 10, 2012. L

9. Morreim H, Antiel RM, Zacharias DG, & **Hall DE**. Should age be a basis for rationing health care? The virtual mentor: VM. May 2014;16(5):339-347. doi:[10.1001/virtualmentor.2014.16.05.ecas2-1405](https://doi.org/10.1001/virtualmentor.2014.16.05.ecas2-1405). PMID: [24847703](https://pubmed.ncbi.nlm.nih.gov/24847703/). P
10. Shinall MC Jr, Shireman PK, & **Hall DE**. Implications of preoperative patient frailty on stratified postoperative mortality-reply. *JAMA Surg*. 2020;155(7):670-671. doi:[10.1001/jamasurg.2020.0431](https://doi.org/10.1001/jamasurg.2020.0431). PMID: [32320020](https://pubmed.ncbi.nlm.nih.gov/32320020/). L
11. Arya S, George EL, & **Hall DE**. To perform or not to perform surgery for frail patients? —reply. *JAMA Surg*. 2021;156(9):891-892. doi:[10.1001/jamasurg.2021.1531](https://doi.org/10.1001/jamasurg.2021.1531). PMID: [34009294](https://pubmed.ncbi.nlm.nih.gov/34009294/). L
12. Fink, AS, Prochazka A, & **Hall DE**. Extending the discussion on informed consent. *Journal of the American College of Surgeons* 2022 May 1;234(5):976-977. doi: 10.1097/XCS.0000000000000071 PMID: [35426419](https://pubmed.ncbi.nlm.nih.gov/35426419/). L

Theological

- 1 **Hall DE**. “Stole and stethoscope: challenges for formation within the context of bivocational ministry” in Humphrey, Nathan, *Gathering the Next Generation: Essays on the Formation and Ministry of GenX Priests*, Morehouse: Harrisburg, PA, 2000, pp. 66-82.
- 2 **Hall DE**. Bivocational Priest: (auto)Biography of The Rev. Daniel E. Hall. *Profiles of the Life*. Episcopal Church Website, 2003.
- 3 **Hall DE**. Heavier than Darkness. In R Alling and DJ Schlafer, *Preaching from Psalms, Oracles, and Parables: Sermons that Work XIV*, Morehouse Press: New York, 2006; 33-39.

4. **BOOKS, BOOK CHAPTERS AND MONOGRAPHS**

- 1 McDonald T, & **Hall DE**. Ethical Issues in the Practice of Surgical Oncology. In: Bartlett D, Neal M, Thirunuvakarasu P, eds. *Surgical Oncology: Fundamentals, Evidenced Based Approaches, and New Technology*. New Dehli: Jaypee Brothers International Medical Publishers; 2010.
- 2 **Hall DE**, Angelos P, Dunn G, Hinshaw D, & Pawlik T. Ethics, Palliative Care, and Care at the End of Life. In: Brunicardi F, Anderson D, Billiar T, eds. *Schwartz's Principles of Surgery*. 9th ed. New York, NY: McGraw Hill; 2010: 1753-67.
- 3 **Hall DE**, Arnold RM, & Lidz CW. Clinical aspects of consent in health care. In: Jennings B, ed. *Bioethics*. 4th ed. Farmington, Hills, MI: Macmillan Reference USA; 2014:1698-1707.
- 4 **Hall DE**, Angelos P, Dunn G, Hinshaw D, & Pawlik T. Ethics, Palliative Care, and Care at the End of Life. In: Brunicardi F, Anderson D, Billiar T, eds. *Schwartz's Principles of Surgery*. 10th ed. New York, NY: McGraw Hill; 2015: 1941-54.
- 5 Xu, Jun, & **Hall, DE**. “Chapter 10: Ethical Considerations” in *Vascular Disease in Older Adults*, Rabih Chaer, editor. Springer: Haddonfield, NJ (2017) ISBN 978-3-319-29285-4.
- 6 **Hall DE**. Shared Decision Making and Practical Use of Risk Assessment in Anesthesiology Update, Presented by: The University of Pittsburgh School of Medicine and the

5. **PUBLISHED ABSTRACTS (in Scientific Journals)**

- 1 Garza MA, Chatman J, **Hall DE**, Fryer CS, & Thomas SB. Examining racial differences in the association of religiousness and trust in research and participation. 137th American Public Health Association Annual Meeting, November 7-11, 2009, Philadelphia, PA.
- 2 Thirunavakarasu P, Brewser L, & **Hall DE**. (15 Minute Oral Presentation) Effectiveness of Teaching Ethics to Surgical Residents: Implementation of the ACS Ethics Curriculum. Association of VA Surgeons Annual Meeting, May 10, 2010, Indianapolis, IN.
- 3 **Hall DE**, Hanusa B, Switzer G, Fine M, & Arnold R. The impact of iMedConsent™ on patient decision making among Veterans considering cholecystectomy and inguinal herniorrhaphy. 28th VA HSR&D National Meeting (Teaming up for high value care), Feb 16-18, 2011, National Harbor, MD.
- 4 Caporaso, J, Eibling D, & **Hall, DE**. Most patients sign generic consent-to-treat forms without having read them. 2012 Symposium on Human Factors and Ergonomics in Health Care: Bridging the Gap, March 12–14, 2012, Baltimore, MD.
- 5 **Hall DE**, Morrison P, Nikolajski C, Fine M, Arnold R, & Zickmund S. Not just for surgeons anymore: iMed Consent as an early tool for informed decision making. Association of VA Surgeons 36th Annual Surgical Symposium, April 1-3, 2012, Miami Beach, FL.
- 6 **Hall DE**, Hanusa B, Fine M, & Arnold R. Telling the truth: Do the VA's procedure-specific informed consent documents specify the information actually discussed between surgeons and patients? 29th VA HSR&D National Meeting, July 16-19, 2012, National Harbor, MD.
- 7 **Hall DE**, Morrison P, Nikolajski C, Arnold RM, Fine MJ, & Zickmund SL. Informed consent for inguinal herniorrhaphy and cholecystectomy: Differences between what surgeons say they discuss and what they actually do discuss. Academic Surgical Congress, Feb 5-7, 2013, New Orleans, LA.
- 8 **Hall DE**, Hanusa B, & Arnold R. Documents and Discussions: Do the VA's procedure-specific informed consent documents specify the information actually discussed between surgeons and patients? Plenary Session for Education. Academic Surgical Congress, Feb 6, 2014, San Diego, CA.
- 9 **Hall DE**, Hanusa BH, Stone, RA, Ling, BS, & Arnold, RM. The time required for IRB review at one VA Medical Center. 38th Annual Meeting of the Association of VA Surgeons, April 6-8, 2014, New Haven, CT.
- 10 Antiel, RM, Lorish, P, Bishop JP, & **Hall DE**. Ethics and Emergence: The Facts of the Case. 16th Annual Meeting of the American Society for Bioethics and Humanities, October 16-19, 2014, San Diego, CA.
- 11 **Hall DE**, Hausmann L, & Fine MJ. Intervening equitably to eliminate health care disparities. 16th Annual Meeting of the American Society for Bioethics and Humanities, October 16-19, 2014, San Diego, CA.
- 12 Antiel RM, Lorish P, Bishop JP, & **Hall DE**. Ethics and Emergence: The Facts of the Case. 4th Annual Conference on Medicine and Religion, March 6-9, 2015, Boston, MA.

- 13 Klune R, Feske U, Stone R, Hanusa B, Gao S, Zhang S, Lin, B, Lidz C, Switzer G, Dobalian A, Arnold R, & **Hall DE**. Prioritizing initiatives for institutional review board (IRB) quality improvement. 39th Annual Meeting of the Association of VA Surgeons, May 3-5, 2015, Miami Beach, FL.
- 14 **Hall DE**, Ling BA, Feske U, Gao S, Stone R, Zhang S, & Arnold RM. Systematic bias against expedited review procedures across Institutional Review Boards (IRBs) in the Veterans Health Administration (VHA). American College of Surgeons' 2015 Clinical Congress, October 4-8, 2015, Chicago, IL.
- 15 **Hall DE**. Practical wisdom provides ethical justification for the negotiation and enforcement of surgical buy-in. American College of Surgeons' 2015 Clinical Congress, October 4-8, 2015, Chicago, IL.
- 16 Johanning JM, **Hall DE**, Arya S, Schmid KK, Baser C, Carlson MA, Provenance G, Bockman T, & Lynch TG. frailty screening initiative improves mortality at 30, 180, and 360 days. American College of Surgeons 2015 Clinical Congress, October 4-8, 2015, Chicago, IL.
- 17 **Hall DE**, Ling BA, Feske U, Gao S, Stone R, Zhang S, Zickmund S, Arnold RM, & Lidz C. Describing the quality of review at 10 Institutional Review Boards (IRBs) in the Veterans Health Administration (VHA). 17th Annual Meeting of the American Society for Bioethics and Humanities, October 22, 2015, Houston, TX.
- 18 Moreno JD, **Hall DE**, Antiel RM, & Koski G. Ethical issues in surgical innovation and research, a panel session at the 17th Annual Meeting of the American Society for Bioethics and Humanities, October 22, 2015, Houston, TX.
- 19 **Hall DE**, Feske U, Gao S, Stone R, Zhang S, & Arnold R. The time required to review research protocols at 10 IRBs in the Veterans Health Administration. 11th Annual Academic Surgical Congress, February 2-4, 2016, Jacksonville, FL.
- 20 Freeman M, Varley P, **Hall DE**, Lynch T, Edes T, Schmid KK, Arya S, Purviance G, Wilson M, Malhotra G, & Johanning J. Feasibility of a rapid, objective multi-metric frailty assessment for clinical practice settings. 40th Annual Meeting of the Association of VA Surgeons, April 9-12, 2016, Virginia Beach, VA.
- 21 **Hall DE**, Purviance G, Prelerson J, Schmid KK, Varley P, Arya S, Lynch T, & Johanning J. Preliminary validation of the Risk Analysis Index (RAI) of frailty. 40th Annual Meeting of the Association of VA Surgeons, April 9-12, 2016, Virginia Beach, VA.
- 22 Tucker P, Flink B, **Hall DE**, Johanning J, Clevenger C, Tomolo A, & Arya S. Implementation of a RAI-frailty screening within a local VA vascular clinic: a quality improvement initiative. Poster presentation at the 3rd Annual Advancing Healthcare Quality Research at Emory University Forum, May 16, 2016, Atlanta, GA.
- 23 Tucker P, Flink B, Varley P, **Hall DE**, Johanning J, Clevenger C, Tomolo A, & Arya S. Utilization and standardization of a RAI-frailty screening across multi-disciplinary surgical clinics: a quality improvement initiative. VA Quality Scholars Summer Institute, August 2-5, 2016, Houston, Texas.
- 24 Leslie P, **Hall DE**, Wright R, & Terry MA. Moral distress: dual identities of health care professionals working with people with dysphagia. 25th Anniversary Dysphagia Research Society 2017 Annual Meeting, March 2-4, 2017, Portland, Oregon.
- 25 Mady LJ, Nilsen ML, Borrebach J, Albergotti WG, **Hall DE**, & Johnson JT. The role of frailty in assessing mortality inside and outside the operating room (poster presentation). The Triological Society Combined Sections Meeting, January 18-20, 2018, Scottsdale, AZ.

- 26 McDonnell J, Varley PR, **Hall DE**, Marsh JW, Geller DA, & Tsung A. Comparing frailty scales to guide creation of a multi-dimensional assessment for surgical patients. 13th Annual Academic Surgical Congress, January 31, 2018. Jacksonville, FL.
- 27 Shah R, Attwood K, Arya S, **Hall DE**, Johanning JM, & Massarweh NN. Impact of frailty on failure to rescue after low-risk and high-risk inpatient surgery. 13th Annual Academic Surgical Congress, January 31, 2018. Jacksonville, FL.
- 28 Arya S, Perez S, Tucker P, **Hall DE**, Johnson TM III., & Johanning JM. Assessment of Risk Analysis Index in prediction of mortality, major complications and length of stay in vascular surgery patients. 2nd Annual Meeting of the Vascular and Endovascular Surgery Society, February 1-4, 2018, Vail, Colorado.
- 29 Varley PR, **Hall DE**, Ahrendt SA, Brazovich ME, Celebrezze JP, Choudry HA, Evans S, Hogg ME, Holder-Murray J, Holtzman M, Lee KK, Marsh W, Salgado J, Rubin JT, Tsung A, Zureikat AH, Medich DS, Geller DA, Zeh HJ, Bartlett DL, & Pingpang JF. Implementation of a standardized frailty assessment identifies patients at risk for prolonged length of stay and discharge to an extended care facility. Society of Surgical Oncology Annual Cancer Symposium, March 15-18, 2018, Seattle, WA.
- 30 Moravec B, Milanuk M, Freeman M, Grove T, Swanson H, DeVries M, Arya S, **Hall DE**, Schmid K, & Johanning J. Grip strength and walk speed but not timed up and go correlate with total psoas area. 42nd Annual Meeting of the Association of VA Surgeons, May 5-8, 2018, Miami Beach, FL.
- 31 Varley PR, Arya S, Youk A, Schmid KK, Johanning JM, & **Hall DE**. Recalibration of the Risk Analysis Index of frailty significantly improves predictive performance among surgical patients. 42nd Annual Meeting of the Association of VA Surgeons, May 5-8, 2018, Miami Beach, FL.
- 32 Schell A, Baniak L, **Hall DE**, Soose R, & Strollo P. The relationship between frailty and sleep-disordered breathing in an otolaryngology-based sleep population. 32nd Annual Meeting of the Associated Professional Sleep Societies, June 2-6, 2018, Baltimore, MD.
- 33 Stern J, Arya S, **Hall DE**, Johanning JM, Trickey A, Blum K, & Hawn M. Interaction of frailty and post-operative complications on unplanned readmission following elective outpatient. American College of Surgeons 2018 Clinical Congress, October 21-25, 2018, Boston, MA.
- 34 Borrebach JD, Bilderback A, Bellon J, Wisniewski MK, Massarweh NN, Varley P, Shinall M Jr., Arya S, & **Hall DE**. Association of Risk Assessment Index (RAI) and Operative Stress Score (OSS) with 365-day mortality indicates significantly higher mortality among frail patients after low, medium, and high stress surgery. Academy Health 2019 Annual Research Meeting, June 2-4, 2019, Washington, D.C.
- 35 Kennedy KA, Allsup K, Byard T, & **Hall DE**. A pilot study: impact of prehabilitation prior to cardiothoracic surgery to increase physical function. 34th Annual Meeting of American Association of Cardiovascular and Pulmonary Rehabilitation, September 18-21, 2019, Portland, OR.
- 36 Goldschmidt E, Agarwal N, Taylor T, Altieri Dunn SC, Bilderback A, Snyderman SH, Friedlander R, Gardner P, & **Hall DE**. Impact of frailty on outcomes following endoscopic endonasal skull base surgery: a prospective cohort analysis of 152 patients. NASBS 2020, Feb 7-9, 2020, San Antonio, TX.

- 37 George EL, Arya S, Youk A, Kashikar A, Chen R, Trickey AW, Shinall MC, Massarweh NN, Johanning JM, & **Hall DE**. Frailty confers high mortality risk in low-, moderate- and high-surgical risk specialties, presented as an oral presentation at the Plenary Session of the 15th Annual Academic Surgical Congress, February 4-6, 2020, Orlando, FL.
Mentee Elizabeth George was honored with the Best Resident Outcomes Research Award and Best Resident Research Presentation Award at the 2020 Academic Surgical Congress for her plenary session presentation and abstract.
- 38 Agarwal N, Goldschmidt E, Taylor T, Roy S, Altieri Dunn SC, Bilderback A, Friedlander RM, Kanter AS, Okonkwo DO, Gerszten PC, Hamilton DK, & **Hall DE**. Impact of frailty on outcomes following elective spine surgery: a prospective cohort analysis of 668 patients. 36th Annual Meeting of the AANS/CNS Section on Disorders of the Spine and Peripheral Nerves, Spine Summit, General Spine Surgery 2 Abstract Breakout Session, March 5-8, 2020, Las Vegas, NV.
- 39 Yip L, **Hall DE**, Recker A, McCoy K, & Carty S. Changes in frailty following parathyroid and thyroid surgery. American Association of Endocrine Surgeons, 41st Annual Meeting, April 4, 2020, Birmingham, AL (Cancelled due to pandemic).
- 40 George E, **Hall DE**, Youk A, Chen R, Kashikar A, Trickey AW, Shireman P, Shinall MC, Massarweh NN, Johanning J, & Arya S. Patient frailty and postoperative mortality after non-cardiac surgery – does specialty matter? 2020 Annual Meeting of the Association of VA Surgeons, April 19-21, 2020, Pittsburgh, PA (Cancelled due to pandemic).
- 41 Saleem M, Reitz KM, Varley PR, Liang NL, You T, McEnaney R, Meyer J, **Hall DE**, Kettering C, & Tzeng E. Optimal medical therapy varies by risk factors for cardiovascular disease among Veterans evaluated in vascular surgery clinic. Accepted for AVAS podium presentation, April 2020, Pittsburgh, PA. (Cancelled due to pandemic).
- 42 Varley PR, O'Halloran P, Bilderback A, Wisniewski MK, Massarweh NN, Arya S, Nelson JB, Johnson J, Johanning JM, & **Hall DE**. System-wide, prospective frailty screening is associated with reduction in the rate of 1-year mortality following elective surgery. American College of Surgeons 2020 Clinical Congress, Oct 4-8, 2020 (Virtual).
• **Excellence in Research Award** in the Health Services Research category.
- 43 Pandalai PK, Johanning JM, Youk A, Varley PR, Massarweh NN, Arya S, & **Hall DE**. Evaluation of the Risk Analysis Index with addition of clinically relevant biomarkers: improved discrimination but worth the cost? American College of Surgeons 2020 Clinical Congress, Oct 4-8, 2020 (Virtual).
- 44 Schlegel C, Shinall MC, Varley PR, Youk A, Hoehn R, & **Hall DE**. Assessment of the Risk Analysis Index for measuring frailty in surgical oncology patients. American College of Surgeons 2020 Clinical Congress, Oct 4-8, 2020 (Virtual).
- 45 Yan Q, **Hall DE**, Shinall MC, Stitzenberg KB, Kao LS, George E, Youk A, Sharma D, Wang C, & Shireman PK. Association of patient frailty and operative stress with postoperative mortality - no such thing as low-risk surgery in frail adults. American College of Surgeons 2020 Clinical Congress, Oct 4-8, 2020 (Virtual).
- 46 Khan S, Stivason J, Pollock T, **Hall DE**, Donohoe M, Alarcon L, Nelson J, & Holder-Murray J. Physician-led systematic mortality reviews identify goals of care discussions as the major opportunity to reduce hospital mortality in two major academic medical centers. American College of Surgeons 2020 Clinical Congress, Oct 4-8, 2020. (Virtual).

- 47 Ormand E, Borrebach J, Altieri-Dunn S, Bilderback, A, van London JG, & **Hall DE**. Using the Risk Assessment Index to predict mortality and quality of life in breast and gynecologic cancer patients. American Society of Clinical Oncology Quality Care Symposium, October 10, 2020 (Virtual).
- 48 Reitz KM, Varley PR, Youk A, Shinall MC, George E, Tzeng E, Shireman PK, & **Hall DE**. The relationship between operative stress, patient frailty, and financial reimbursement. 141st Annual Meeting of the American Surgical Association, April 15-16, 2021 (Virtual).
 - This abstract was awarded 3rd prize overall.
- 49 Reitz KM, **Hall DE**, Makaroun M, Tzeng E, & Liang NL. Equivalent perioperative outcomes among younger, low risk Veterans undergoing open or endovascular repair of abdominal aortic aneurysms. Association of VA Surgeons, April 25-26, 2021 (Virtual).
- 50 George E, Massarweh N, Youk A, Reitz K, Shinall M, Chen R, Trickey A, Varley P, Johanning J, Shireman PK, Arya S, & **Hall DE**. Comparing perioperative outcomes after noncardiac surgery across VA and non-VA hospitals. Association of VA Surgeons, April 25-26, 2021 (Virtual).
 - This abstract was awarded 1st prize overall
- 51 Weill S, Layden A, & **Hall DE**. Surgeons' perceived confidence with shared decision-making improved after training in best case/worst case scenario planning. Association of VA Surgeons, April 25-26, 2021 (Virtual).
- 52 Safiullah SM, Esper SA, **Hall DE**, & Ibinson JW. Mini-Cog test as a supplemental preoperative cognitive screening tool for Risk Analysis Index. 2021 Annual Meeting of the International Anesthesia Research Society, May 15-16, 2021 (Virtual).
- 53 Harris A, Nilson M, **Hall DE**, & Johnson J. Impact of neck disability on flourishing in head and neck cancer survivors. AHNS 10th International Conference on Head and Neck Cancer, July 22-25, 2021, Chicago, IL.
 - "Best of Poster Abstracts"
- 54 Yip L, **Hall DE**, Recker A, McCoy K, & Carty S. Changes in frailty following parathyroid and thyroid surgery. Central Surgical Association (CSA) & Midwest Surgical Association (MSA) 2021 Annual Meeting, July 25-27, 2021, Chicago, IL.
- 55 Li SR, Handzel RM, Shapiro K, Tonetti D, Rosengart MR, **Hall DE**, Seymour C, Tzeng E, & Reitz KM. Consensus current procedural terminology code definition of source control for sepsis: a modified Delphi procedure. 40th Annual Surgical Infection Society Meeting, August 1-4, 2021, Denver, CO.
- 56 Mosher EE, Liang NL, **Hall DE**, Tzeng E, & Reitz KM. Characterization of diagnostic imaging modalities in patients with asymptomatic carotid artery stenosis. Eastern Vascular Society Annual Meeting, September 23-26, 2021 (Virtual).
- 57 Li S, Handzel R, Shapiro K, Tonetti D, Rosengart M, **Hall DE**, Seymour C, Tzeng E, & Reitz KM. Current procedural terminology code definition of source control for sepsis: a modified Delphi procedure. Society of Asian Academic Surgeons 6th Annual Meeting, September 25-26, 2021 (Virtual).
- 58 **Hall DE**, Youk A, Allsup K, Kennedy K, Byard TD, Dhupar R, Chu D, Rahman AM, Wilson MA, Cahalin LP, Afilalo J, & Forman D. Preoperative rehabilitation is feasible in the weeks prior to surgery and significantly improves functional performance. International Conference on Frailty & Sarcopenia Research, September 29, 2021 (Virtual).

- 59 Pellathy T, Rodriguez K, Hruska K, Kennedy K, & **Hall DE**. Shared decision making in high-risk settings: frail patients' perceptions of preoperative goal clarification consultation by palliative care specialists. American College of Surgeons 2021 Clinical Congress, October 24-28, 2021 (Virtual) .
- 60 Yan Q, Kim J, Reitz KM, **Hall DE**, Shinall MC Jr, Stitzenberg KB, Kao LS, George EL, Wang C, & Shireman PK. Sex differences in postoperative complications and mortality. American College of Surgeons Clinical Congress, October 24-28, 2021 (Virtual).
- 61 Silver DS, Bilderback AL, Ludwig JM, Kinsky SM, Helwig A, Schuster J, & **Hall DE**. The cost of surgical frailty: cumulative insurance charges after major surgical procedures indicate frail patients utilize significantly more inpatient medical and postacute services compared to robust or normal counterparts. American College of Surgeons Clinical Congress, October 24-28, 2021 (Virtual).
- 62 Mosher, EE, Reitz, KM, Youk, A, Buchanan, D, George, EL, Varley, PR, Shinall, MC, Shireman, PK, Arya, S, Johannig, J, Massarweh, NN, Hall, DE. One-year Survival of Operative Vs. Medical Management of Asymptomatic Carotid Stenosis by Frailty. Academic Surgical Congress, February 2, 2022, Orlando, FL, USA.
- 63 Mosher, EE, Reitz, KM, Youk, A, Buchanan, D, Varley, PR, Shah, R, Shinall, MC, Johannig, J, Massarweh, NN, **Hall, DE**. Operative and Non-Operative Management of Frail Patients With Non-Emergent Biliary Disease by Frailty. Academic Surgical Congress, February 2, 2022, Orlando, FL, USA.
- 64 Varley PR, Buchanan D, Bilderback AL, Wisniewski MK, Nelson JB, Johnson JJ, Minnier T, & **Hall DE**. Routine frailty screening is associated with late postoperative mortality reduction in an integrated healthcare system. Association of VA Surgeons Annual Meeting, April 24-26, 2022 (Pittsburgh, PA).
- 65 **Hall DE**, Lidwig J, Bilderback A, Schuster J, & Kinsky S. Trajectory analysis of insurance chargers before and after major surgery. Association of VA Surgeons Annual Meeting, April 24-26, 2022 (Pittsburgh, PA).
- 66 De Ravin E, Vohra V, Lu J, Shinn JR, Brody RM, Cannady SB, Rajasekaran K, Shanti RM, **Hall DE**, Newman JG, Rowan NR, Mady LJ. Olfactory dysfunction as a biomarker of frailty in head and neck cancer. Oral presentation at Annual American Head and Neck Society Conference, April 28, 2022, Dallas, TX.
- Awarded "Best Of" in the Quality of Life / Functional Outcomes category
- 67 Deo S, Kochar A, Charest B, Petermann-Rocha F, Elgudin Y, Chu D, Yeh RW, Rao SV, Kim DH, Driver J, **Hall DE**, Orkaby AR. Abstract 11112: Frailty is Associated With Increased Mid-Term Mortality After CABG, Independent of Age: A Nationwide Analysis of the Veteran Affairs Data. Presented at the American Heart Association 2022 Scientific Sessions, November 5, 2022, Chicago, IL. *Circulation*. 2022;146(Suppl_1):A11112-A11112. doi:10.1161/circ.146.suppl_1.11112
- 68 Yu J, Khamzina Y, Kennedy J, Liang NL, **Hall DE**, Arya S, Tzeng E, Reitz KM. The association between frailty and outcomes following ruptured abdominal aortic aneurysm repair. Accepted for oral presentation at the Academic Surgical Congress. Houston, TX. February 7-3, 2023.
- 69 Khamzina Y, Tzeng E, Meyer JM, Althouse AD, Liang NL, **Hall DE**, Reitz KM. Elective cardiovascular procedures are associated with greater hospital free days. Accepted for a

- Quickshot presentation at the Academic Surgical Congress. Houston, TX. February 7-3, 2023.
- 70 Bezak KB, Wisniewski M, Adler PH, Arnold RM, Weinberg RL, Yobbi DJ, Mensah C, **Hall DE**. Aligning goals of care via telehealth increases goal-concordant care for critically ill patients in the emergency department, the Tele-Goals of Care (TeleGOC) Pilot. Poster presentation at the American Association of Hospice and Palliative Medicine annual meeting, March 22-25, 2023, Montreal, QC. doi: [10.1016/j.jpainsymman.2023.02.145](https://doi.org/10.1016/j.jpainsymman.2023.02.145).
 - 71 Hafeeze MS, Yekaterina K, Andraska EA, Meyer JM, Liang NL, Sridharan ND, **Hall DE**, Arya S, Tzeng E, Reitz KM. The association of optimal medical therapy and limb outcomes after endovascular interventions for intermittent claudication. Poster presentation at the 50th Annual Symposium on Vascular Surgery, March 25-29, 2023, Miami, FL.
 - 72 George E, Reitz KM, Jacobs MA, Massarweh N, Youk A, Arya S, **Hall DE**. Perioperative outcomes of women undergoing noncardiac surgery in the VA compared to non-VA care settings. Association of VA Surgeons Annual Meeting, April 23-25, 2023, Madison, WI.
 - 73 Jacobs MA, Duncan CA, Gao Y, Davila H, Schmidt S, Hadlandsmyth K, Shireman PK, Sarrazin MV, **Hall DE**. Association of 30-day surgical mortality with race/ethnicity, rurality, area deprivation, and preoperative VA care among older Veterans. Association of VA Surgeons Annual Meeting, April 25, 2023, Madison, WI.
 - 74 Hafeez MS, Yekaterina K, Andraska EA, Meyer JM, Liang NL, Sridharan ND, **Hall DE**, Arya S, Tzeng E, Reitz KM. Optimal Medical Therapy – Key to Improved Lower Extremity Outcomes Especially Following Endovascular and Infrainguinal Revascularization for Intermittent Claudication. Society for Vascular Surgery Annual Meeting, June 16, 2023, National Harbor, MD.
 - 75 Jacobs MA, Duncan CA, Intrator O, Makineni R, Youk AO, Boudreaux-Kelly MY, Kinosian B, **Hall DE**. Trajectories of long-term postoperative mortality. American College of Surgeons Clinical Congress, October 22-25, 2023, Boston, MA.
 - 76 Khamzina Y, Dicipinigaitis AJ, **Hall DE**, Rumalla K, Bowers CA, Reitz KM. Derivation and validation of the Risk Analysis Index frailty score using administrative data. American College of Surgeons Clinical Congress, October 22-25, 2023, Boston, MA.
 - 77 Davila H, Gao Y, Jacobs MA, Hadlandsmyth KE, Duncan CA, Strayer A, **Hall DE**, Sarrazin MV. Rural-urban differences in post-surgical service use and outcomes among Veterans with dementia. Gerontological Society of America Annual Scientific Meeting, November 8-12, 2023, Tampa, FL.
 - 78 Tessler RA, Vaughan Sarrazin M, Gao Y, Jacobs MA, Duncan CA, Hausmann LRM, **Hall DE**. Area Deprivation, Fragmented Care, and Colectomy Case Acuity in the Veterans Health Administration. 19th Annual Academic Surgical Congress, February 6-8, 2024, Washington, DC.
 - 79 Ahmad S, Perlin JD, Meador KG, Koenig HG, **Hall DE**. Speaking Religion: Developing an Interview to Assess Fluency Within Seven Worldviews. 2024 Conference on Medicine and Religion, April 14-16, 2024, Indianapolis, IN.

6. **ABSTRACTS (not published in Scientific Journals)**

1. **Hall DE** & Berlin, A. "Case 4" presented as part of the 2013: Ethics Colloquium: End of Life Issues in Surgery given at the Annual Meeting of the American College of Surgeons, October 8, 2013, Washington, DC.
2. Morales A, Fanning J, Barnato A, & **Hall DE**. Practices in end of life care: exploring the contribution of specialty culture. Vanderbilt Research Immersion Capstone. December 14, 2017, Nashville, TN.
3. **Hall, DE**. "The UPMC Surgical Pause". Symposium for Surgical Palliative Care, October 23, 2018, Boston, MA.
4. McNamara LM, Okoniewski WE, Maurer SH, **Hall DE**, Moehling K, & Schenker Y. "Give them the door but don't push them through it": family attitudes toward physician led spiritual care. Department of Medicine Annual Research Day, University of Pittsburgh, April 30, 2019, Pittsburgh, PA.
5. Bezak KB, Wisniewski MK, Adler P, Arnold RM, Weinberg R, Stoneburner M, Stumpf M, Milliken C, Yobbi, D, Sullivan C, Sackrowitz R, Farone F, & **Hall DE**. aligning goals of care via telehealth increases goal-concordant care for critically ill patients in the emergency department, the Tele-Goals of Care (TeleGOC) pilot. 19th Annual Department of Medicine Research Day, University of Pittsburgh, April 27, 2021, Pittsburgh, PA.
6. Weil SR, Layden AJ, Nabozny MJ, Leahy J, Claxton R, Zelenski AB, Zimmerman C, Childers J, Arnold RM, & **Hall DE**. Surgeons perceived confidence with shared decision-making improved after training in best case/worst case scenario planning. 19th Annual Department of Medicine Research Day, University of Pittsburgh, April 27, 2021, Pittsburgh, PA.
7. Reitz KM, Althouse AD, Meyer J, Arya S, Goodney PP, Shireman PK, **Hall DE**, & Tzeng E. Association between smoking and postoperative complications following open and endovascular interventions for intermittent claudication. 2021 VA Pittsburgh Healthcare System Research Week, May 7, 2021, Pittsburgh, PA.
 - Awarded the Early Career Investigator Contest for Clinical Science Research and Development
8. Reitz KM, Varley PR, Liang NL, Youk A, George EL, Shinall MC, Shireman PK, Arya S, Tzeng E, & **Hall DE**. The correlation between case total work Relative Value Unit, operative stress and patient frailty. Nineteenth Annual Department of Surgery Research Day, University of Pittsburgh, May 12, 2021, Pittsburgh, PA.
9. Tarnasky A, Ludwig J, Bilderback A, Hammonds T, Schuster J, Kinsky S, & **Hall DE**. Trajectory analysis of insurance charges before and after major surgery. Twentieth Annual Department of Surgery Research Day, University of Pittsburgh, May 11, 2022, Pittsburgh, PA.
10. Bezak KB, Wisniewski MK, Adler P, Arnold R, Weinberg R, Stoneburner M, Stumpf M, Milliken C, Yobbi D, Mensah C, Sullivan C, Sackrowitz R, Farone F, & **Hall DE**. Aligning goals of care via telehealth increases goal-concordant care for critically ill patients in the emergency department, the tele-goals of care (teleGOC) pilot. Poster presentation at McGill International Palliative Care Congress, October 18-21, 2022, Montreal, QC.
11. Ashcraft LE, Piazza KM, Mavandadi S, Brown RT, Long JA, Werner RM, **Hall DE**, & Burke RE. Pragmatic innovations in measuring implementation dose and its relationship with implementation outcomes. Poster presentation at Academy Health 15th Annual

Conference on the Science of Dissemination and Implementation in Health, December 11-14, 2022, Washington, DC.

12. Ashcraft LE, Piazza KM, Mavandadi S, Brown RT, Long JA, Werner RM, **Hall DE**, & Burke RE. 7 steps of a highly effective evaluation plan. Poster presentation at Academy Health 15th Annual Conference on the Science of Dissemination and Implementation in Health, December 11-14, 2022, Washington, DC.
 13. Bezak KB, Wisniewski M, Adler PH, Arnold RM, Weinberg RL, Yobbi DJ, Mensah C, & **Hall DE**. Aligning goals of care via telehealth increases goal-concordant care for critically ill patients in the emergency department, the Tele-Goals of Care (TeleGOC) Pilot. Poster presentation at the American Association of Hospice and Palliative Medicine Annual Meeting, March 22-25, 2023, Montreal, QC.
 14. Adler PH, **Hall DE**, Wisniewski M, Stumpf M, & Bezak KB. The Tele-Goals of Care pause aligns goals of care for critically ill patients in the emergency department prior to potential transfer. Poster presentation at the 22nd International Conference on Emergency Medicine, June 12-16, 2023, Amsterdam, the Netherlands.
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PROFESSIONAL ACTIVITIES

TEACHING

Medical Student Teaching:

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| 2015-present | <u>General Medicine Clerkship, Ethics Sessions:</u> Each month I lead a 60-minute case discussion on ethics based on student experiences during their internal medicine clerkship at the VA Pittsburgh Healthcare System. Each session contains 3-8 students depending on the number of students rotation through the medicine clerkship. |
| February 17, 2023 | <u>The Practice of Medicine – What Awaits You?:</u> Facilitated course for fourth-year medical students at the University of Pittsburgh. Led two 60-minute discussions on the relevance of alternate payment models to students' upcoming residency training. |
| March 4, 2022 | <u>The Practice of Medicine – What Awaits You?:</u> Facilitated course for fourth-year medical students at the University of Pittsburgh. Led two 60-minute discussions on the relevance of alternate payment models to students' upcoming residency training. |
| December 8, 2021 | <u>Measuring and Mitigating Frailty:</u> 90-minute seminar and discussion with 15 medical students, faculty and allied health professionals sharing how my career measuring and mitigating frailty evolved. Part of the Geriatrics Area of Concentration interest group monthly meeting. |

- January 28, 2020 Religion, Medicine, Research and the Limits of Human Frailty: Hour long discussion led with the local chapter of the CMDA for 8 students.
- January 23, 2020 The Surgical Pause and Frailty: 2-hour lecture and discussion with 30 medical students and faculty as part of the Geriatrics Area of Concentration interest group monthly meeting. This was reportedly their best attended event in memory.
- 2010-2018 Surgical Ethics for Surgical Clerkship: I taught regular 90-minute Socratic method seminars on surgical ethics to all medical students rotating through their surgical clerkship. Sessions were held on 5 days throughout the year with two separate groups each day. Each group usually had 15 students per session, and over the course of the year I taught all the 3rd year students. They prepared a written ethical analysis which I reviewed before each session. Evaluations were consistently “outstanding” or “excellent”. Some have described it as “the best ethics sessions I have ever had”.
- April 17, 2018 Breaking Bad News: A half day communication training on discussing goals of care at end of life with patients and families. Training used standardized patients and was offered as part of “surgery boot camp” for 8 students accepted into surgical residencies.
- 2010-2017 FAST Advisor: Faculty and Students Together is a program for incoming first year medical students linking them to a faculty member to work together in small, informal groups to ease the transition to medical school and life as a physician. Faculty participation is by invitation based on student reviews. On average, this involves 5 first year and 2 second year students with close to 20 contact hours each year. I was repeatedly recognized as an excellent exemplar by my students and was asked to return each year.
- 2012-2014 Compassion and Medicine Faculty Advisor: What began as a single student’s request to gather colleagues to discuss compassion in medicine has become a series of discussions on the topic facilitated by faculty in their homes over the course of the school year. I hosted discussions in my house, and I served as an advisor to the student leadership. I was delighted that the program continued for a second year through 2014. Approximately 15 students and 6 contact hours per year.

- July 21, 2013 Compassion and Medicine: Hosted a dinner discussion at my house with 6 medical students to discuss the broad theme of compassion in medicine (3 hours).
- Spring Term 2013 Directed Reading on Compassion and Medicine: I supervised a semester-long directed reading for the Bioethics Program (BIOETH 2902) for fourth year medical student, Timothy Depp. Together we developed a bibliography on the subject of “compassion in medicine”, reviewing and summarizing the literature with critical insight. Dr. Depp prepared manuscripts but never submitted for publication.
- Sep 15, 2012 Compassion and Medicine: Hosted a dinner discussion at my house with 10 medical students to discuss the broad theme of compassion in medicine (3 hours).

Graduate Student Teaching:

- May 22, 2019 Informed Consent in the Context of Palliative Care: Invited lecturer for 2-hour seminar of issues of informed consent particular to palliative care and palliative care research. Part of Research Methods in Palliative Care (CLRES 2610) taught by the University of Pittsburgh Institute for Clinical Research Education.
- March-April 2018 Technocracy and Virtue: Creating a Culture of Health: Co-taught with Grant Martsolff an interdisciplinary lecture series and panel lecture aimed at critical appraisal of the Robert Wood Johnson “Culture of Health”. Panelists included Jeffrey Bishop, Tyler Vanderweele, and Tamara Dubowitz (April 16, 2018).
- April 5, 2018 Informed Consent in the Context of Palliative Care: Invited lecturer for 2-hour seminar of issues of informed consent particular to palliative care and palliative care research. Part of Research Methods in Palliative Care (CLRES 2610) taught by the University of Pittsburgh Institute for Clinical Research Education.
- May 17, 2017 Informed Consent in the Context of Palliative Care: Invited lecturer for 2-hour seminar of issues of informed consent particular to palliative care and palliative care research. Part of Research Methods in Palliative Care (CLRES 2610) taught by the University of Pittsburgh Institute for Clinical Research Education.
- April 27, 2016 Informed Consent in the Context of Palliative Care: Invited lecturer for 2-hour seminar of issues of informed consent particular to palliative

- care and palliative care research. Part of Research Methods in Palliative Care (CLRES 2610) taught by the University of Pittsburgh Institute for Clinical Research Education.
- April 20, 2016 Religion, Spirituality, and Health: Invited lecturer for 2-hour seminar on the empirical and practical relationship between religion and health. Part of graduate seminar taught by Katherine Verdolini Abbot. Course number: CSD 3479, School of Health and Rehabilitation Sciences.
- February 29, 2016 Session 6: Informed Consent: Invited lecturer for 2-hour seminar on the ethics of informed consent for research, taught as part of the Institute for Clinical Research Education's required course CLRES 2050 Ethics and Responsible Conduct of Research.
- 2015-2016 Dissertation Committee for Paula Leslie: Served on for Paula's committee for her dissertation project for her Masters in Bioethics degree, granted by the University of Pittsburgh Center for Bioethics and Health Law. 1 student 20 contact hours.
- April 22, 2015 Informed Consent in the Context of Palliative Care: Invited lecturer for 2-hour seminar of issues of informed consent particular to palliative care and palliative care research. Part of Research Methods in Palliative Care (CLRES 2610) taught by the University of Pittsburgh Institute for Clinical Research Education.
- February 27, 2015 IRB Efficiency and Quality: How to use Quality Improvement Methods to Inform Bioethics Inquiry: Invited lecture for a 90-minute seminar for the Fogarty Fellows visiting from China and studying at the Pitt Center for Bioethics and Health Law.
- April 11, 2014 Informed Consent in the Context of Palliative Care: Invited lecturer for 90-minute seminar of issues of informed consent particular to palliative care and palliative care research. Part of Research Methods in Palliative Care (CLRES 2610) taught by the University of Pittsburgh Institute for Clinical Research Education.
- May 15, 2013 Informed Consent in the Context of Palliative Care: Invited lecturer for 90-minute seminar of issues of informed consent particular to palliative care and palliative care research (7 students). Part of Research Methods in Palliative Care (CLRES 2610) taught by the University of Pittsburgh Institute for Clinical Research Education.

March 30, 2010 Religion, Spirituality, Medicine and Research: Invited lecturer for seminar at University of Pittsburgh School of Public Health class on racial disparities taught by Asst Professor, Mary Garza, PhD.

March 17, 2009 Religion, Spirituality, Medicine and Research: Invited lecturer for seminar at University of Pittsburgh School of Public Health class on racial disparities taught by Asst Professor, Mary Garza, PhD.

Undergraduate Student Teaching:

Spring 2005 Theology and Medicine: Preceptor and lecturer for spring semester undergraduate seminar at Duke University, Durham, NC. 35 students; 25 contact hours

Resident and Fellow Teaching:

August 31, 2022 Progressive Curriculum in Ethics, Communication and Palliative Care: Best Case Worst Case Scenario Planning. Coordinated 3 hour interactive in-person session with 6 learning groups with simulated patients in the skills required to accomplish goal clarification through scenario planning. 36 Learners; 6 instructors; 6 simulated patients.

May 18, 2022 Progressive Curriculum in Ethics, Communication and Palliative Care: Challenging Cases, Open Access Medical Records and Hospice. Coordinated 2 hour interactive in-person session with Drs. Claxton, Ramsey, Arnold, Hill and Childers. Session was divided by junior and senior residents. Seniors covered challenging cases and open access medical records. Juniors covered hospice, managing end of life, and challenging end-of-life cases questions.

October 31, 2021 Best Case Worst Case: Three-hour interactive session for the entire general resident core with 6 guest faculty teaching essential communication skills of surgical scenario planning and breaking bad news using 6 simulation patient cases.

October 6, 2021 Progressive Curriculum in Ethics, Communication and Palliative Care: Serious News, Feeding Tubes, Prognosis and Risk Stratification. Coordinated 2-hour interactive virtual session with junior and senior residents combined. Dr. Bauza discussed burnout, resilience, mindfulness (all residents, 1 hour), and I addressed capacity determination, surrogate decisions, and informed consent (all residents, 1 hour).

June 9, 2021	<p><u>Progressive Curriculum in Ethics, Communication and Palliative Care: Serious News, Feeding Tubes, Prognosis and Risk Stratification.</u> Coordinated 2 hour interactive in-person session with Drs. Forsythe, Boisen, Bauza, Scheunemann, and Claxton. Session was divided by junior and senior residents to discuss feeding tubes (seniors, 1-hour), prognosis, risk stratification and frailty (seniors, 1-hour), and delivering serious news with simulated patients (juniors, 1-hour).</p>
October 22, 2020	<p><u>Progressive Curriculum in Ethics, Communication and Palliative Care: Medical Error, Mapping Values, and Advance Care Planning.</u> Coordinated 2 hour interactive remote-taught session with Drs. Forsythe, Claxton, Podgurski and Bezak, divided by junior and senior residents to discuss difficult cases (seniors, 1-hour), disclosure of medical error (seniors, 1-hour), mapping & aligning values (juniors, 1-hour), and determining and documenting code status and advance care planning (juniors, 1-hour).</p>
February 5, 2020	<p><u>Burnout, Symptom Management, Running a Family Meeting, and Clarifying Goals:</u> Coordinated a 2 hour interactive session divided by PGY year co-taught with Drs. Forsythe, Sands, Claxton, Arnold and Schell to teach junior residents (20) about physician burnout (1 hour) and non-opioid symptom management (1 hours), and senior residents (15) about running family meetings (1 hour) and goal elicitation and clarification (1 hour).</p>
October 9, 2019	<p><u>Best Case Worst Case:</u> Two-hour interactive session for 15 neurosurgical residents teaching essential communication skills of surgical scenario planning and breaking bad news.</p>
January 30, 2019	<p><u>Best Case Worst Case:</u> Three-hour interactive session for 30 general residents teaching essential communication skills of surgical scenario planning and breaking bad news.</p>
December 11, 2018	<p><u>Best Case Worst Case:</u> Two-hour interactive session for 25 ENT residents teaching essential communication skills for surgical scenario planning.</p>
September 20, 2017	<p><u>Mapping the Future: Communication Skills:</u> A half day communication training for 8 residents on discussing goals of care at end of life with patients and families. Training used standardized patients.</p>

January 23 & 30, 2017	<u>Surgical Frailty: What is it and what can we do about it?:</u> Two 30 minute lectures at the UPMC ENT Morbidity and Mortality conference.
June 21, 2016	<u>The Geriatric Patient: Operative VS Non-Operative Management:</u> 60-minute lecture as part of the weekly Trauma Conference discussing the concept of frailty, its diagnosis and management in the context of trauma surgery.
August 13, 2015	<u>Ethics for Surgical Oncologists:</u> 90-minute lecture and small group discussion on medical ethics for the Surgical Oncology Fellowship. Topics covered included: ADs, POA, Living will, decision making capacity, informed consent, palliative care, practical wisdom.
March 25 & April 1, 2015	<u>Surgical Ethics for Residents:</u> 60-minute didactic and Socratic sessions on basic topics in surgical ethics.
July 24, 2013	<u>Ethics for Surgical Oncologists:</u> 90-minute lecture and small group discussion on medical ethics for the Surgical Oncology Fellowship. Topics covered included: ADs, POA, Living will, decision making capacity, informed consent, palliative care, practical wisdom.
March 27, 2013	<u>Surgical Ethics for Residents:</u> 90-minute didactic and Socratic sessions on basic topics in surgical ethics: confidentiality, truth telling, competition of interests, end of life decisions.
December 12, 2012	<u>Surgical Ethics for Residents:</u> 90-minute didactic and Socratic sessions on basic topics in surgical ethics: informed consent, surrogate decision making, decision making capacity, and advanced directives.
January 2012-June 2012	<u>Mentoring Residents in Surgical Ethics:</u> I met every week with a surgical resident for one-on-one Socratic method teaching on surgical ethics. Residents prepared a clinical case and learned to analyze its ethical content.
January 18, 2012	<u>Surgical Ethics for Otolaryngology:</u> Taught a 90-minute session on surgical ethics for ENT residents.
July 27, 2011	<u>Ethics for Surgical Oncologists:</u> 90-minute lecture and small group discussion on medical ethics for the Surgical Oncology Fellowship.
August-December 2009	<u>Surgical Ethics:</u> Taught a series of 4 seminars on the ethics of surgery and moral judgment to the University of Pittsburgh General Surgery Residency Program as part of the required curriculum.

- May 19, 2009 Ethics Seminar for MD/PhD Students: Taught special 2-hour seminar on the ethical issues of religion and spirituality in the context of clinical medicine. Attended by 16 MD/PhD students as part of their elective in medical ethics.
- September 2007-2009 Resident Journal Club: Weekly journal club for lab residents (PGY 4-5) reviewing and critiquing literature. 90 minutes each session, approximately 15 sessions total.
- September 2007 Anatomy and Bedside Procedures for ED Docs: Precepted a 3-hour session for 12 Emergency Medicine residents with fresh cadaver.

Faculty Development Teaching:

- September 6, 2022 Best Case Worst Case: Two-hour interactive session for 5 learners including surgeons, anesthesiologists, palliative care nurses, and pre-operative nurses teaching essential communication skills of surgical scenario planning and breaking bad news.
- August 23, 2022 Best Case Worst Case: Two-hour interactive session for 4 members of the SAGE QUERI teams in Philadelphia, PA and Lebanon, PA teaching essential communication skills of surgical scenario planning and breaking bad news.
- November 2-3, 2021 Best Case Worst Case: Two separate 90-minute sessions using abbreviated role playing and drills for Best Case Worst Case training. Presented to palliative care faculty and staff from VA Pittsburgh and VA Philadelphia; 5 learners in each session.
- June 21, 2021 Best Case Worst Case: Four-hour interactive session for Hospitalists on the Orthopedic co-management service teaching essential communication skills of surgical scenario planning and breaking bad news.
- October 29, 2020 Best Case Worst Case: Four-hour interactive session for anesthesiologists in the UPMC Center for Perioperative Care teaching essential communication skills of surgical scenario planning and breaking bad news.
- September 8, 2020 Best Case Worst Case: Four-hour interactive session for 4 anesthesiologists in the UPMC Center for Perioperative Care teaching essential communication skills of surgical scenario planning and breaking bad news.

- September 8, 2020 Advance Care Planning: Four-hour interactive session for 4 staff NP/PAs in the UPMC Center for Perioperative Care teaching essential communication skills for Advance Care Planning.
- February 20th, 2020 Disclosing Medical Error: Workshop for the Rita M. Patel GME Leadership Conference, Pittsburgh, PA, With Amanda Brown and Barbara Nightingale led two interactive workshops to faculty peers introducing a framework to disclose medical errors; 45 learners; 90 minutes each session.
- December 17, 2019 Best Case Worst Case: Four-hour interactive session for 3 staff NP/PAs in the UPMC Center for Perioperative Care teaching essential communication skills for Advance Care Planning.
- September 23, 2019 Best Case Worst Case: Four-hour interactive session for 4 staff NP/PAs in the UPMC Center for Perioperative Care teaching essential communication skills for Advance Care Planning.
- September 16, 2019 Best Case Worst Case: Four-hour interactive session for 3 staff anesthesiologists in the UPMC Center for Perioperative Care teaching essential communication skills of surgical scenario planning and breaking bad news.
- September 5, 2019 Best Case Worst Case: Four-hour interactive session for 4 staff anesthesiologists in the UPMC Center for Perioperative Care teaching essential communication skills of surgical scenario planning and breaking bad news.
- September 6, 2017 Mapping the Future: Communication Skills: A half day communication training on discussing goals of care at end of life with patients and families. Training used standardized patients. Students included attending physicians from Critical Care Medicine.
- March 31, 2017 Ethical Issues in Caring for Diverse Patient Populations: Panel speaker for the 34th Annual Medical Ethics Update and Messer Lecture, University of Pittsburgh Center for Bioethics and Health Law, Pittsburgh, PA.
- September 28, 2013 Surrogate Decision Making: Principles, Practice and Problems: Faculty lecturer for the Fall Retreat of the University of Pittsburgh Consortium Ethics Program, Wheeling, WV.
- September 27, 2013 Informed Consent: Advanced Track: Faculty lecturer for the Fall Retreat of the University of Pittsburgh Consortium Ethics Program, Wheeling, WV.

- October 2, 2010 Balancing Professional and Personal Time: Faculty lecturer for the Association of Academic Surgeons Career Development Course, Washington, DC.
- April 16, 2010 Theological Ramifications of Defining Death: Panel coordinator and speaker for the 27th Annual Medical Ethics Update and Messer Lecture, "The President's Council White Paper: Where do we go from here?" University of Pittsburgh Center for Bioethics and Health Law, Pittsburgh, PA.

Curriculum Development/Teaching Products/Media Products:

- | <u>Years</u> | <u>Curriculum Title and Description</u> |
|--------------|---|
| 2019-present | <u>Communication Skills and Ethics for Surgeons</u> : With colleagues Robert Arnold and Raquel Forsythe we have developed an integrated, progressive curriculum for communications skills and ethics; development and initial instruction paused by Covid-19. |
| 2012 | <u>Surgical Ethics for Residents</u> : Developed a 90-minute Socratic method session aimed at teaching basic topics in ethics to surgical residents and fellows |
| 2009 | <u>Surgical Ethics</u> : Developed a 4-session curriculum for surgical residents taught over the year on basic ethics topics. Curriculum evaluation was published in <i>Am J Surgery</i> (Pragatheeshwar), above. |

Mentoring:

<u>Years</u>	<u>Mentor Role/Context</u>	<u>Name of Mentee</u>	<u>Mentee Achievements</u>
2006-2009	Occasional meetings to advise on medical school and integration with religious belief.	Nicole Sharilla, Med Student	Successful integration of medical school and religious belief.
2007-2013	Advised regarding interest in ethics.	Pragatheeswar Thirunuvakarasu, MD (surgery resident)	Assisted with grant application for Kamangar award for teaching ethics; assisted with IRB approved research education teaching. Published together in <i>Am J. Surgery</i> .
2008-2009	Assisted in preparation of manuscript for publication;	Jenna Caporaso, Med Student	Published an abstract entitled, "Most patients sign generic

	advised on applying for surgical residency.		consent-to-treat forms without having read them “.
2008-2009	Advice on possible research careers in medicine and ethics; co-wrote chapter on ethics for surgery text.	Thomas McDonald, Med Student	Co-wrote above chapter on ethics for surgery text, entitled, “Ethical Issues in the Practice of Surgical Oncology.”
2009	Pre medical student interested in pediatric surgery. Advised on undergraduate career and arranged visit with me to OR.	Caroline King, College Student	Successful admission to medical school; note of thanks.
2009-2012	Served as faculty advisor for medical school scholarly project on measuring the association between religious practice and several character traits among dialysis patients.	Stephen Pichler, Med Student	Completed complex study, passed scholarly project, drafted publishable manuscript, but he did not follow through with submission.
2010	Career counseling in ethics after BA and before graduate studies.	Eli Horowitz, College Student	Successful advancement of career and admission to graduate school
2010-2012	Served as secondary mentor (with Dr. Matthew Rosengart) for medical school scholarly project assessing the impact of pastoral care consults on pain after trauma.	Keerat Singh, Med Student	Successful completion of scholarly project
2012-2013	Served as mentor and faculty advisor for a medical school mini-elective “Compassion in Medicine”. Also supervised a directed reading on theology and medicine	Timothy Depp, Med Student	Successfully completed “Compassion in Medicine” mini-elective, and for-credit directed reading. Remained in touch through his residency as mentor and advisor.
2013-2014	Faculty advisor and mentor for a longitudinal series of discussions on compassion and medicine between faculty and 3rd and 4th year medical students.	Carson Adams, Med Student	Successfully completed the series of discussions as an unofficial mini-elective for clinical years. Sessions lasted for 2 years.

2015-2020	Auxiliary mentor for her scholarly project on religion and medicine, culminating in joint publication.	Laura McNamara, Medical Student	Published "Give them the door but don't push them through it": Family Attitudes Toward Physician-Led Spiritual Care in Pediatric Palliative Medicine' article (see above).
2016-2019	Faculty advisor and mentor for seminar thesis and transfer to St. Louis University	Benjamin Bravo, Graduate Student in Medical Ethics	Successful transfer to St. Louis University, and refocusing of his career aspirations.
2019-2020	Faculty mentor on publication focused on the impact of frailty in skull-based surgery	Ezequiel Goldschmidt, Neurosurgical Resident	Oral presentation, entitled "Impact of Frailty on Outcomes following Endoscopic Endonasal Skull Base Surgery: A Prospective Cohort Analysis of 152 Patients." (see above) Full manuscript in preparation.
2019-2020	Faculty mentor on publication focused on the impact of frailty in spine surgery	Nitin Agarwal, Neurosurgical Resident	Abstract presentation, entitled, "Impact of Frailty on Outcomes following Elective Spine Surgery: A Prospective Cohort Analysis of 668 Patients." (see above) Full manuscript published.
2019-2020	Faculty mentor on publication focused on costs of frailty in UPMC Healthplan	Nayal Kahn, Otolaryngology Residents	Data presented at CMS Grand Rounds January 22, 2020.
2020-2021	Faculty mentor on analysis and publication on frailty in plastic surgery.	Elizabeth Moroni, Plastic Surgery Resident	Analysis complete; findings not sufficiently impactful for publication.
2020-2021	Faculty mentor on analysis and publication on frailty in urological surgery.	David Miller, Urology Resident	Analysis complete; findings not sufficiently impactful for publication.
2020-2023	Faculty mentor on analysis and publication on frailty and social determinants of health in oncological surgery.	Richard Hoehn, Surgical Oncology Fellow	"Interpreting the Risk Analysis Index of frailty in the context of surgical oncology" manuscript published in the <i>Journal of Surgical Oncology</i> .

2017-2022	Faculty advisor for scholarly project on teaching Best Case/Worst Case Scenario Planning to surgical residents.	Sydney Weil, Medical Student, now medicine resident	Scholarly project on pace for timely completion. Abstracts at 2021 AVAS and 2021 Dept of Medicine Research Day. Full manuscript published in J Surgical Education (see above).
2020-2023	Faculty mentor on analysis and publication on frailty in oncological surgery.	Cameron Schlegel, Surgical Oncology Fellow	Abstract accepted in 2020 ACS Clinical Congress. "Interpreting the Risk Analysis Index of frailty in the context of surgical oncology" manuscript published in the <i>Journal of Surgical Oncology</i> .
2020-2022	Mentor to develop research career on surgical frailty	Prakash Pandalai, Surgical Oncology, University of Kentucky	Abstract accepted in 2020 ACS Clinical Congress. Full manuscripts pending for multiple projects
2021-2022	Mentor in Postdoctoral Fellowship at the Center for Health Equity Research and Promotion	Tiffany Pellathy, PhD, ACNP-BC	Abstract accepted at national conference; Awarded \$2000 from the Pennsylvania Chapter of the Society of Critical Care Medicine; full manuscript pending; successful job placement in industry.
2019-2022	Faculty advisor working on analysis of frailty in head and neck cancer treated with and without surgery.	Khalil Baddour, Otolaryngology Residents	Analysis complete and manuscript in press <i>Oral Oncology</i>
2020-2022	Mentor in developing skills and interest in teaching communication skills and developing resident curricula in palliative care	Katherine Hill, Resident, General Surgery, UPMC	Successful placement in initial faculty position at West Virginia University 2022

2015-present	Worked closely with Patrick to develop several projects aimed at assessing and intervening on surgical frailty.	Patrick Varley, Surgical Resident & Fellow UPMC 2015-2020 Assistant Professor, University of Wisconsin, 2020-present.	Published several papers together (above) and successfully mentored him to initial faculty appointment and continue advising for career development. <i>Abstract "System-Wide, Prospective Frailty Screening is Associated with Reduction in the Rate of 1-year Mortality Following Elective Surgery" was selected for an Excellence in Research Award in the Health Services Research category at the 2020 Clinical Congress of the American College of Surgeons</i>
2018-2023	Faculty advisor working on analysis of frailty in head and neck cancer treated with and without surgery.	Leila Mady, Otolaryngology Resident, now Assistant Professor	Poster presentation entitled, "The Role of Frailty in Assessing Mortality Inside and Outside the Operating Room." Received Pilot Grant for Otolaryngology from University of Pennsylvania. Full manuscript in press Oral Oncology (see above). Presented abstract at the at Annual American Head and Neck Society Conference (awarded "Best Of" in the Quality of Life / Functional Outcomes category). Based on this work she was awarded the Thomas Jefferson University Emerging Medical Scholars Award, a career development award covering 20% of salary for 3 years. Manuscript accepted for publication in <i>JAMA Otolaryngology</i> .

2019-present	Faculty advisor for scholarly project on examining care trajectories of frail patients with benign biliary disease.	Emily Mosher, Medical Student, now vascular surgery resident	IRB protocol submitted and pending approval. Scholarly project complete. Abstracts at 2021 Department of Surgery Research Day and 2022 Academic Surgical Congress. Full manuscript in preparation.
2019-present	Faculty advisor on several research projects pertaining to optimizing diabetes management in peripheral vascular disease, as well as analyzing operative stress, frailty and wRVUs.	Katherine Reitz, Surgical Resident, now vascular surgery fellow	Multiple manuscripts in preparation. Grant proposal under revision. Abstracts accepted for podium presentation at 2020 ACS Clinical Congress and the 2020 & 2021 AVAS Annual Meetings (3 rd Prize overall 2021 AVAS). Multiple publications.
2019-present	Faculty mentor (secondary) on several manuscripts and analyses on surgical frailty. Mentorship shared with colleague Shipra Arya	Elizabeth George, General Surgery Resident, Stanford, now assistant professor	Two abstracts accepted for podium presentations for which she won conference awards for Best Resident Outcomes Research Award and Best Resident Research Presentation Award at the 2020 Academic Surgical Congress for her plenary session presentation and abstract (above) titled "Frailty Confers High Mortality Risk in Low-, Moderate- and High-Surgical Risk Specialties." First prize overall 2021 AVAS Meeting. Multiple, high impact publications.

2020-2023	Faculty mentor Preoperative Therapy to Enhance Postoperative Recovery in Cytoreductive Surgery and Hyperthermic Intraperitoneal Chemotherapy: PrePaRe for CRS HIPEC	Caroline Rieser, Resident, General Surgery, UPMC	Awarded intramural funding from the Department of Surgery.
2020-present	Mentor in quality initiatives aimed at delivering remote telepalliative care based on SafeNET score.	Karl Bezak, Assistant Professor, Palliative and Supportive Care, UPMC	Abstract presented at 2020 Dept of General Internal Medicine research day; full manuscript in preparation
2021-2023	Mentor in developing multidisciplinary prehabilitation protocol for vascular surgery	Clint Clay, Assistant Professor, Vascular Surgery, University of Texas, San Antonio	Pending
2021-present	Mentor in developing research projects aimed at improving nurse staffing based on machine learning	Andrew Dierkes, Assistant Professor, School of Nursing, University of Pittsburgh	Submission to multiple grant mechanisms, results pending
2021-present	Mentor in Postdoctoral Fellowship at the Center for Health Equity Research and Promotion Philadelphia	Kirstin Manges, RN, PhD	CDA-2 was funded in 2021; multiple manuscripts in preparation, pilot award funded.
2021- 2023	Pitt Med student, class of 2022. Pursuing research in otolaryngology and health services research	Alex Harris	Won “Best of Poster Abstracts” at AHNS 10 th International Conference on Head and Neck Cancer; full manuscript under review.
2022-2023	Mentor in writing up frailty-related abstracts and starting Career Development Award	Jamie Estock	Published 2 manuscripts listed above about frailty, cancer and biomarkers

2022-present	Pitt Med student, class of 2025. Summer Research Project analyzing health insurance charges and frailty and Longitudinal Research Project	John Flinn	Manuscript under review
2020-2023	UPMC Orthopedic Resident interested assisting with frailty-related work	Anthony Oyekan	Published study in J Bone and Joint Surgery listed above
2021-present	Pitt Med student, class of 2025. Summer Research Project analyzing health insurance charges and frailty and Longitudinal Research Project	Nikita Desai	Manuscript under review
2022-present	Psychology PhD student (U Florida) wanting to develop and refine contextual measure of faith formation	Josh Perlin	Manuscript in preparation
2023-present	MD-PhD MSTP student wishing to develop empirical study of Islam and health	Sami Ahmad	Templeton Foundation proposal submitted, PhD proposal in development

RESEARCH

Current Grant Support:

<u>Grant Number</u>	<u>Title</u>	<u>Role</u>	<u>Years</u>	<u>Source \$</u>
VA HSR&D I01HX003095: (Hall)	Understanding the Effect of Rurality and Social Risk Factors on Barriers to Care and Surgical Outcomes.	MPI 25% 3 Calendar Months	10/1/21- 9/30/25	\$1,200,000

This study aims to identify social risk factors and levels of care fragmentation that affect surgical outcomes to inform VA quality metric policy and institutional resource allocation. In particular we aim to examine the impact of race, ethnicity, socioeconomic status and rurality on surgical outcomes, care fragmentation and resource allocation. Approach entails linking VASQIP data to other data sources, including geocoded addresses to which we can attribute census data regarding socioeconomic status.

VA HSR&D 1I01HX003322: (Hall)	Improving surgical decision-making by measuring and predicting long-term loss of independence after surgery	PI 37.5% 4.5 Calendar Months	10/1/21- 9/30/25	\$1,196,738
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This study leverages unique VA data resources, including the Residential History File, to (1) characterize common trajectories of postoperative loss of independence (LOI) in the 365 days after to describe clinically meaningful heterogeneity in the patterns of healthcare utilization; (2) adapt the RAI to predict long-term loss of independence and explore alternative models for LOI prediction; and (3) explore key stakeholders' perspectives on how LOI risk prognosis might better align shared decisions about surgical treatment with patients' values and goals.

VA QUERI I50 HX003201-01: (Hall) QUERI Program Award (HX-19-020)	Implementing the Age- Friendly Health System in VHA: Using Evidence-based Practice to Improve Outcomes in Older Adults.	MPI 37.5% 4.5 Calendar Months	10/1/20- 9/30/25	\$4,978,614
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This proposal aims to implement 4 evidence based practices across the VISN4 region of the Veterans Health Administration intended to make it an Age Friendly Healthcare System. Dr. Hall is one of 3 co-PIs and will manage the Pittsburgh operations of the dual-site research team, and will be responsible for implementation of Frailty Screening at the Pittsburgh, Philadelphia, Wilkes-Barre, Lebanon and Wilmington VAMCs. Operational partners include the National Surgery Office and Geriatrics and Extended Care.

VA HSR&D I01HX003215: (Arya)	PAtient-centered mUltidiSciplinary care for Veterans undergoing surgery (PAUSE): a hybrid 1 comparative effectiveness- implementation trial	Co-I 12.5% 1.5 Calendar Months	5/1/21- 12/31/25	\$1,157,820
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This study involves a stepped wedge randomized trial of frailty screening and interdisciplinary review at VAMCs in Palo Alto, Houston and Nashville. The primary aim is to test the effectiveness of the PAUSE trial intervention vs usual care in improving 30- and 180-day mortality, non-home discharge, rehospitalizations and home-time for patients undergoing surgical evaluation. Other aims examine how the intervention's effect is moderated and the contextual factors that influence the implementation of the intervention in surgical services.

VA CSR&D I01CX002150: (Tzeng)	Metformin Benefits Lower Extremities with Intermittent Claudication (MOBILE_IC)	Co-I 6.25% 0.6 Calendar Months	10/1/21- 9/30/25	\$300,000
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This is a clinical trial testing the ability of metformin therapy to improve walking performance in nondiabetic patients suffering from intermittent claudication in a quadruple blinded, placebo controlled clinical trial. Participants will be recruited at the VA Pittsburgh Healthcare System.

Dr. Eugene Marsh CHERP Pilot Project Program (Manges- Piazza)	It's in the Cards: Examining Post-Acute Care Priorities of Older Hospitalized Veterans from Diverse Background	Mentor 1% 0.1 Calendar Months	10/1/23- 9/30/24	\$49,871
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Pending Grant Support:

<u>Grant Number</u>	<u>Title</u>	<u>Role</u>	<u>Years</u>	<u>Source \$</u>
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Prior Grant Support:

<u>Grant Number</u>	<u>Title</u>	<u>Role</u>	<u>Years</u>	<u>Source \$</u>
1U01TR002393-01 (Shireman) NIH/NCATS	Harnessing the Power of CTSA-CDRN Data Networks: Using Social Determinants of Health, Frailty and Functional Status to Identify At Risk Surgery Patients and Improve Risk Adjustment	Site-PI 6%	08/1/18- 06/30/23	\$604,182

Using the American College of Surgeons National Surgical Quality Improvement Project to study risk adjustment in postoperative outcomes using social determinants of health, frailty and functional status. Subawards include UT Health Houston and University of Pittsburgh (two additional sites) and University of Texas Austin (statistics and predictive modeling expertise). My role is Site-PI for the University of Pittsburgh.

UH3 DK114861 (Palevsky)	Phenotyping REnal Cases In Sepsis and surgery for Early Acute Kidney injury (PReCISE AKI)	Co-I 2.5%	8/1/17- 06/30/22	\$26,750
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National Diabetes and Digestive and Kidney Diseases	0.3 Calendar Months
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This project seeks to enroll patients with early AKI as part of the Kidney Precision Medicine Project (UG3/UH3 consortium), and in these patients aims to: (1) develop safe and ethical procedures for obtaining research kidney biopsies at the time clinically indicated laparotomy; (2) test the hypothesis that specific clinical phenotypes of AKI have differing biopsy findings; and (3) determine whether biopsy findings can predict early resolution and subsequent risk for CKD. My role is to provide ethical and surgical guidance regarding Aim 1.

R01 MD011678-01 (Borrero) National Institute of Minority Health and Health Disparities (NIMHD)	Developing and Testing a Decision Support Tool for Women Making Tubal Sterilization Decisions	Consultant	8/14/17- 04/30/22	NA
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The project seeks to build and test a novel, web-based decision support tool to optimize low-income women's ability to make informed and value-concordant decisions about tubal sterilization. My role is to provide expert ethics guidance regarding the decision-support tool and informed consent.

JEMS Junior Faculty Award (Mady)	The Association of Olfactory Dysfunction and Frailty in Head and Neck Cancer	Co-I 1% 0.24 Calendar Months	7/1/22 – 12/31/22	\$123,561
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This proposal was funded by the Thomas Jefferson University Emerging Medical Scholars program. It addressed the unmet need of identifying clinical biomarkers in pretreatment cancer risk assessment by leveraging olfactory dysfunction as a biophysiological metric of frailty. It is hypothesized that olfactory dysfunction is associated with increased frailty and worse treatment-related outcomes. To test this hypothesis, the team will (1) measure the prevalence of olfactory dysfunction in patients with newly diagnosed head and neck cancer and evaluate the association between olfactory dysfunction and frailty; and (2) examine the relationship between olfactory dysfunction and post-treatment outcomes in patients undergoing head and neck cancer treatment. Dr. Mady separated from Thomas Jefferson at the end of 2022 to take a different appointment at Hopkins.

VA RR&D: I21 RX-002562 (Hall) RR&D SPiRE Pilot Project	Pilot testing a home-based prehabilitation intervention designed to improve outcomes of frail Veterans following cardiothoracic surgery.	PI 25% 3 Calendar Months	10/1/17- 9/30/20	\$191,006
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This single-arm pilot study will examine the feasibility of a novel, home-based, multi-faceted prehabilitation intervention aimed at improving postoperative outcomes for frail Veterans undergoing major cardiothoracic surgery. 30 frail Veterans scheduled for surgery will receive a 4-week training regimen that begins in a monitored hospital-based setting and transitions to home-based training after safety is established. Training focuses on strength, balance, inspiratory muscles and nutrition. A variety of intermediate and long-term outcomes will be assessed in preparation of a larger randomized trial to assess efficacy.

VA HSR&D: I21 HX-002345 (Hall) HSR&D Pilot Project	Pilot testing prehabilitation services aimed at improving outcomes of frail Veterans following major abdominal surgery.	PI 25% 3 Calendar Months	1/1/17- 9/30/18	\$99,998
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This randomized pilot study will examine the feasibility of a novel, multifaceted prehabilitation intervention aimed at improving postoperative outcomes for frail Veterans undergoing major abdominal surgery. 50 frail Veterans scheduled for surgery will be randomized to receive a 6-week long training regimen focused on strength, balance, inspiratory muscles and nutrition. A variety of intermediate and long term outcomes will be assessed in preparation of a larger randomized trial to assess efficacy.

VAHCS: XVA 72-909 (Hall) VISN4 Competitive Pilot Project Fund	Improving the perioperative care of frail Veterans considering elective surgery	PI 12.5% 1.5 Calendar Months	10/1/16- 9/30/18	\$49,999
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The aims of this pilot project are to (1) confirm the scientific rigor of the Risk Analysis Index (RAI) of frailty by (a) calibrating it for use in VA surgical populations; and (b) validating its performance in comparison with other risk prediction tools; and (2) identify appropriate outcome measures for surgical frailty in a convenience sample of VA Pittsburgh patients who are identified as frail and referred for a perioperative planning consult aimed at eliciting and reporting patient hopes, fears, expectations and goals in advance of potential surgical intervention.

University of Pittsburgh (Martsolf)	Technocracy and Virtue: Creating a Culture of Health	Co-I 2.5% 0.3	10/1/17- 5/31/18	\$3,550
Provost's Year of the Healthy U Grant		Calendar Months		

Intramural funding to support an interdisciplinary lecture series and panel lecture aimed at critical appraisal of the Robert Wood Johnson "Culture of Health" initiative.

University of Pittsburgh (Moehling)	Technocracy and Virtue: Creating a Culture of Health	Co-I 2.5% 0.3	10/1/17- 5/31/18	\$4,999
Provost's Year of the Healthy U Grant		Calendar Months		

Intramural funding to support an interdisciplinary lecture series, grand rounds, movie screening and medical school mini-elective focused on the relationships between religion, spiritual and health.

University of Pittsburgh (Hall)	Exploring Religion and Spirituality with clinical faculty and students to provide more holistic healthcare	PI 5% 0.6	10/1/17- 5/31/18	\$1,800
Interdisciplinary Humanities Grants		Calendar Months		

Intramural funding to support an interdisciplinary lecture series, grand rounds, movie screening and medical school mini-elective focused on the relationships between religion, spiritual and health.

Beckwith Institute (Hall)	Measuring what matters to frail patients deciding for or against surgery	PI 5% 0.6	7/1/16- 6/30/16	\$25,000
Clinical Transformation Program		Calendar Months		

This intramural quality improvement project will assess the quality of decision-making and patient satisfaction among a cohort of patients identified preoperatively as frail and thus referred to an interdisciplinary preoperative evaluation center as part of an ongoing UPMC quality improvement project.

VA HSR&D CDA 08-281(Hall)	Improving Surgical Informed Consent to Better Meet Patient Preference	PI 75%	7/1/10- 6/30/15	\$1,471,665
VA Career Development Award		9 Calendar Months		

This Career Development Award aims to provide additional training and mentored research aimed at developing a leadership role in the field of surgical ethics. Research supported by this CDA focuses on the process of informed consent.

VA HSR&D SDR 11-399-1 (Hall) VA Research Best Practices Initiative	Describing Variations in IRB Efficiency, Quality and Procedures	PI 35% subsumed by CDA 08-281 4.2 Calendar Months	7/1/12- 12/31/14	\$766,858
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This Service Directed Research Award aims to improve the quality and efficiency of VA IRB review processes by modeling the process flow at 10 VA IRBs and measuring variation in IRB efficiency and quality.

Greenwall Foundation (Barnato) Kornfeld Program in Bioethics and Patient Care	Social Norms Governing ICU Triage for Critically Ill Elders with Terminal Illness	Co-I 3% 0.36 Calendar Months	2011- 2012	\$95,217
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The aim of this study is to understand how clinicians triage critically ill patients with concurrent terminal illness to ICU or palliative care. Analysis techniques include qualitative coding of patient-provider interactions with mixed-method quantitative analysis of coding.

NIH: R01 GM081510-03 VAPHS IRB#: 02822	SIS Multicenter study of duration of antibiotics for intra-abdominal infection	Co-I 3% 0.36 Calendar Months	9/1/09- 12/31/11	Per patient fee
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The aims of this multi-center trial are to determine the optimal duration of antibiotic treatment after definitive control of intra-abdominal infection. My role focused on identifying and recruiting patients who met inclusion criteria.

Eli-Lily: F1K-MC-EVDP VAPHS IRB#: 02848	Efficacy and Safety of Drotrecogin Alfa (Activated) in Adult Patients with Septic Shock	Co-I 3% 0.36 Calendar Months	9/1/09- 12/31/11	Per patient fee
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The aim of this study is to demonstrate that treatment with drotrecogin alfa (activated) reduces 28-day all-cause mortality in adult patients with septic shock compared with placebo. My role focused on identifying and recruiting patients who met inclusion criteria.

VHA Systems Redesign T21 Initiative (Hall/Monte)	IRB Approval Process Improvement Pilot VA Pittsburgh Healthcare System	PI 5% 0.6 Calendar Months	May-Sep 2011	\$63,000
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The goal of this initiative is to support the development and implementation of methods aimed at improving the quality and efficiency of IRB processes at the VA Pittsburgh Healthcare System.

VAHCS: LIP 72-043 (Hall) CHERP Pilot Project Program	Describing Different Cultural Perspectives on Surgical Informed Consen	PI 25% 3 Calendar Months	4/1/09- 3/31/10	\$31,570
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The aims of this pilot project are to qualitatively describe patient perspectives on the standardized iMedConsent process of surgical informed consent and to examine the role of race, ethnicity, and religion in patient perspectives on the standardized iMedConsent process of surgical informed consent.

VAHCS: XVA 72-057 (Hall) VISN4 Competitive Pilot Project Fund	Measuring Patient Perspectives on Surgical Informed Consent	PI 25% 3 Calendar Months	10/1/09- 9/30/10	\$49,998
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The aims of this pilot project are to (1) develop a survey instrument that quantitatively measures patient perspectives on the iMed informed consent process, and then estimate the instrument's initial psychometric properties; (2) measure the distribution of patient perspectives on the iMed informed consent process in a diverse sample of Veterans who recently had a cholecystectomy or colectomy; and (3) examine whether patient perspectives on the iMed informed consent process differ between racial, ethnic, religious and age groups.

Washington University, St Louis, MO (Hall) Center for Ethics and Human Values	Kamangar Ethics Award	PI 2% 0.24 Calendar Months	2008- 2009	\$2,000
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This grant was given competitively to general surgery residency programs to assist with the implementation of curricula in surgical ethics.

NIH Loan Repayment Program (Hall) [L30 RR019756]	The influence of religion on medical decision making	PI 50% 6 Calendar Months	2003- 2005	\$50,000
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This competitive NIH program pays down student debt for early clinician-investigators dedicating at least 50% effort to research.

Non-Funded Research:

<u>Study Title</u>	<u>IRB Protocol</u>
Using the English Longitudinal Study of Ageing (ELSA) to determine optimal strategies for assessing frailty.	Pro 3006
VAPHS Frailty Initiative at IMPACT	Pro 3071

Other research related activities

STUDY SECTION MEMBERSHIP

<u>HSR&D Scientific Merit Review Board for CDA</u> Invited to review proposals for HSR&D Career Development Awards. The review panel met under the guidance of Portfolio Manager, Robert Small, on March 1-2, 2022.	2022
<u>HSR&D Scientific Merit Review Board for CDA</u> Invited to review proposals for HSR&D Career Development Awards. The review panel met under the guidance of Portfolio Manager, Robert Small, on March 2-3, 2021.	2021
<u>HSR&D Scientific Merit Review Board for CDA</u> Invited to review proposals for HSR&D Career Development Awards. The review panel met under the guidance of Portfolio Manager, Robert Small, on August 25-26, 2020.	2020
<u>HSR&D Scientific Merit Review Board for CDA</u> Invited to review proposals for HSR&D Career Development Awards. The review panel met under the guidance of Portfolio Manager, Robert Small, on March 3, 2020.	2020
<u>HSR&D Scientific Merit Review Board for CDA</u> Invited to review proposals for HSR&D Career Development Awards. The review panel met under the guidance of Portfolio Manager, Robert Small, on March 5-6, 2019.	2019
<u>HSR&D Scientific Merit Review Board HSR5 & HSR5A</u> Invited to review proposals for HSR&D research proposal. The review panel met under the guidance of Portfolio Manager, Ranjana Banerjea, on March 2-3, 2016.	2016

<u>HSR&D Scientific Merit Review Board HSR5 & HSR5A</u>	2015
Invited to review proposals for HSR&D research proposal. The review panel met under the guidance of Portfolio Manager, Ranjana Banerjea, on August 25-26, 2015.	
<u>NIH Study Section on Central IRBs and Research Ethics</u>	2015
Invited to review proposals for the NIH FOA “Empirical research on ethical issues related to central IRBs and consent for research using clinical records and data”. The review panel met by videoconference under the guidance of Scientific Review Officer, Karin Helmers, on July 1, 2015.	
<u>HSR&D Scientific Merit Review Board on Opioid Consent</u>	2015
Invited to review proposals for the HSR&D Service Directed Project on informed consent for long term opioid use for pain in patients with cancer. The review panel met by videoconference under the guidance of Portfolio Manager, Ranjana Banerjea, on June 4, 2015.	
<u>NIH Study Section on Central IRBs and Research Ethics</u>	2014
Invited to review proposals for the NIH FOA “Empirical research on ethical issues related to central IRBs and consent for research using clinical records and data”. The review panel met by videoconference under the guidance of Scientific Review Officer, Karin Helmers, on July 8, 2014.	

PEER REVIEW

1. Journal of Religion and Health	Editorial Board	2003-Present
2. American Family Physician	Editorial Board	2023-Present
3. Journal of Surgical Research	Editorial Board	2023-Present
3. Academic Medicine	Reviewer	2003-2013
4. Duke Center for Theology, Spirituality and Health	Grant Reviewer	2007
5. J of American Board of Family Medicine	Reviewer	2006
6. Medical Journal of Australia	Reviewer	2006
7. Archives of Surgery	Reviewer	2007
8. Cambridge Quarterly of Healthcare Ethics	Reviewer	2008
9. CHEST	Reviewer	2009
10. Psychology Health and Medicine	Reviewer	2009
11. International Journal of Psychology and Religion	Reviewer	2009
12. Annals of Internal Medicine	Reviewer	2009
13. University of Notre Dame Press	Reviewer	2010
14. Social Science and Medicine	Reviewer	2010
15. J of Am College of Surgeons	Reviewer	2010-present
16. Am. Family Physician	Reviewer	2011
17. J Surgical Research	Reviewer	2011-present

18. Am J Surgery	Reviewer	2012-present
19. JAMA Surgery	Reviewer	2013-present
20. J Am Geriatric Society	Reviewer	2014-present
21. BMC Medical Ethics	Reviewer	2015-present
22. Annals of Surgery	Reviewer	2018-present
23. Journal of Medical Ethics	Reviewer	2019-present
24. BMC Anesthesiology	Reviewer	2019-present
25. J Health Services Research	Reviewer	2020-present
26. The Laryngoscope	Reviewer	2020-present
27. British Journal of Surgery	Reviewer	2020-present
28. J General Internal Medicine	Reviewer	2021-present
29. BMJ Quality & Safety	Reviewer	2021-present

LIST of CURRENT RESEARCH INTERESTS

- Surgical Frailty: I am interested in how the syndrome of frailty can be used to identify patients at greatest risk for perioperative morbidity and mortality, and leveraging that information to support and improve the perioperative decision making for these patients. I am particularly interested in how preoperative palliative care consultation can improve decision-making and outcomes through explicitly negotiated and documented surgical buy-in, time limited trials and overarching goals of surgical therapy. I am also investigating ways to prehabilitate frail patients before surgery to mitigate frailty-associated risks.
- Long term Loss of Independence: I am working to define, measure, model and predict trajectories of long-term loss of independence after emergency and elective surgery. The approach combines data from the VA Surgical Quality Improvement Program, Medicare, Medicaid, Minimum Dataset and other VA sources arranged on a shared chronology to define the setting and duration of healthcare utilization in the year following surgery.
- Shared Decision Making: I am working to develop care pathways to optimize the shared decision making process for high risk, frail patients—both before surgery and at presentation to ICUs. Elicitation of patient values is critical in this context but challenging to accomplish. One promising approach that I am working to implement is Best Case Worst Case scenario planning that uses storytelling to elicit patient preferences regarding a discrete choice between possible treatment options.
- Medical Decision Making and the Clinical Encounter: I am interested in examining the secular and religious influences that shape the moral imagination of both physicians and patients, and I am interested in the role these formative influences play in the clinical encounter and in medical decision making. This research builds on continuing work that examines the associations between religious belief and practice and various health outcomes.

LIST of PRIOR RESEARCH INTERESTS

- IRB Efficiency and Quality: How can IRB review procedures be organized more efficiently while maintaining adequate protections to institutions, researchers and participants? How can IRB review quality be measured? How might IRB committees focus their deliberations on substantive ethical judgment rather than mere regulatory compliance?
 - Ethics of Informed Consent: I am interested the ways in which the current doctrine of informed consent, based on patient autonomy, does not describe or serve the preferences or best interest of patients in the clinical context. This research builds on continuing work that critiques the standard, principlist approach to bioethics.
 - Theology and Medicine: In what ways, and under what circumstances is it appropriate for theology to interface with the practice of medicine? Patients living through illness confront large questions of meaning and value. Many patients frame their worldview in terms of religious and theological traditions. How is it possible and/or appropriate to incorporate these perspectives in the clinical context?
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INVITED SEMINARS AND LECTURESHIPS

LOCAL PRESENTATIONS

May 5, 2023	Spirituality in Medicine	University of Pittsburgh School of Medicine	Pittsburgh, PA
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Invited keynote speaker for the Gold Humanism Society Pinning Ceremony for second year medical students prior to starting ward residents in which I traced the history, epidemiology, and philosophy at the interface between religion, spirituality and medicine.

September 22, 2022	Religion, Spirituality & Health at the bedside and in the (medical) classroom	Pitt School of Medicine – Teaching Social Medicine Leadership Group	Pittsburgh, PA
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Lecture and discussion reviewed definitions of religion and spirituality, the data demonstrating both associations and causal relationships between religious practice and health outcomes, the integration of religion and spirituality into the medical curriculum, including medical student socialization, the elicitation of spiritual “histories” and the relevance to physician and trainee wellness.

March 17, 2022	What Does Health Services Research Have to do with Religion (or Spirituality)? An Invitation to Interdisciplinary Collaboration	University of Pittsburgh Health Services Research Seminar Series	Pittsburgh, PA (virtual)
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Invited to present at the University of Pittsburgh Health Services Research Seminar Series. As members of the newly established Religion and Medicine Initiative hosted by the University of Pittsburgh's Department of Religious Studies, Dr. Hall and his co-presenter, Dr. Krissy Moehling Geffel, reviewed current literature on the associations of religion and spirituality on health outcomes with a focus on advanced models of causal influence and health services research including end of life care and patient satisfaction, to foster an invitation for potential interdisciplinary collaboration.

January 27, 2022	Using Systematic Risk Stratification to Trigger Goals of Care Conversations in Critical Illness and Surgery	University of Pittsburgh Palliative Research Center (PaRC)	Pittsburgh, PA (virtual)
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Invited to present at the Innovations in Palliative Care Science Seminar Series. Topics discussed in this lecture included: the development and validation of RAI and SafeNet Score, using the Surgical Pause as an intervention before surgery and inter-facility transfer, and Best Case Worst Case scenario planning.

January 24, 2022	Assessing Frailty at Scale: Experience with the Risk Analysis Index and Opportunities for Integrating Functional Measures into Perioperative Evaluation	University of Pittsburgh Pepper Center	Pittsburgh, PA (virtual)
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Invited to present at the virtual Pepper Research Seminar Series. The University of Pittsburgh Claude D. Pepper Older Americans Independence Center is one of [fourteen Centers](#) throughout the United States funded by the National Institute on Aging. The Pepper Center promotes independence among older Americans by optimizing balance and mobility and reducing injurious falls through disciplined inquiry and translational research.

January 19, 2022	The Orthopedic Inpatient Pause & Best Case Worst Case Scenario Planning	University of Pittsburgh Department of Physical Medicine and Rehabilitation	Pittsburgh, PA
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Invited to give a lecture on utilizing Best Case Worst Case scenario planning to implement a surgical pause for orthopedic patients.

March 1, 2021 The Eucharist: Medicine of Immortality. Beatrice Institute Pittsburgh, PA

Invited lecturer to a group of 16 undergraduates from regional colleges and universities to discuss the theological significance of the Eucharist and its relationship to the body. The Beatrice Institute is an ecumenical learning and research community based in Pittsburgh that serves students, faculty, and the broader public. It supports advanced inquiry in the Christian intellectual and cultural tradition.

February 2, 2021 [From Altar to Table: My Journey as Priest and Surgeon.](#) Healthcare and Religion Lecture Series Pittsburgh, PA

Invited to give the inaugural lecture for this new series sponsored by the University of Pittsburgh Department of Religious Studies, Center for Bioethics and Health Law and the UPMC Palliative and Supportive Institute.

March 4, 2020 What is plastic surgery for? Philosophical (and sometimes theological) sources for quality improvement and excellence. 2nd Annual PittQual Mini-Symposium, Department of Plastic Surgery, University of Pittsburgh Pittsburgh, PA

Invited to give lecture on the ends of medicine and surgery as a lens for ordering the work of plastic surgery.

February 25th, 2020 The Surgical Pause: Improving Surgical Outcomes by Measuring Frailty and Doing Something About It. School of Nursing's Health Services and Policy Research Interest Group, University of Pittsburgh Pittsburgh, PA

Invited by the Pitt School of Nursing's Health Services and Policy Research Interest Group to give lecture to describe the syndrome of frailty, review ways it is measured, and share findings from a variety of sources where frailty screening has been implemented before elective surgery to reduce mortality, increase quality and cut costs at UPMC, the VA Pittsburgh and other sites across the country. Part health Services research, part quality improvement, and part medical ethics, Dr. Hall will describe practical solutions for surgical care when there is no easy technical "fix."

October 4, 2019 "The Surgical Pause: Routine Risk Assessment to Improve Surgical Care." Department of Surgery, UPMC Jameson New Castle, PA

Invited to speak to give speak at the Department of Surgery monthly education conference for residents at faculty at UPMC Jameson, New Castle, PA, October 4, 2019

- July 25, 2019 “Recognizing When to Discuss
Goals of Care: Routine Risk
Assessment to Drive
System-Level Culture Change” UPMC Palliative and
Supportive Care
Institute Pittsburgh, PA
- Grand Rounds given at the UPMC Palliative and Supportive Care Institute, Pittsburgh, PA, July 25, 2019.*
- July 23, 2019 “The Surgical Pause: Routine Risk
Assessment to Improve Surgical
Care” VA Pittsburgh
Healthcare System Pittsburgh, PA
- Innovators Pitch for VA Demo Day, Pittsburgh, PA. Invited to pitch our Quality Improvement work for subsequent presentation at national Meeting in Washington DC., July 23, 2019.*
- May 17, 2019 Just Because We Can, Should We?
Obligations to Providing
Nonbeneficial care, Passavant Hospital
Foundation Pittsburgh, PA
- Invited to speak at the Passavant Hospital Foundation Conference Center & Legacy Theatre.*
- May 1, 2019 Recognizing When to Discuss
Goals of Care: Routine Risk
Assessment to Drive
System-Level Culture Change, Department of Plastic
Surgery, University of
Pittsburgh Pittsburgh, PA
- Invited to give grand rounds to the Department of Plastic Surgery at the University of Pittsburgh focused on work of identifying high risk patients and improving care.*
- April 22, 2019 Recognizing When to Discuss
Goals of Care: Routine Risk
Assessment to Drive
System-Level Culture Change The Wolff Center at
UPMC Pittsburgh, PA
- Invited to speak as one of 3 keynotes at the 2019 Dr. Loren Roth Quality and Safety Speakers Series: “Discussing Goals of Care: Honoring End of Life Preferences.”*
- April 10, 2019 Medicine and Human Flourishing:
Building systems to ensure that
medical technology serves a
purpose greater than mere
survival Pittsburgh
Theological Seminary Pittsburgh, PA
- Invited to speak at the Pittsburgh Theological Seminary on matters of practical theology at the interface between church and hospital. The lecture explored the limits of contemporary medicine and emerging strategies to reorient medical care so that it more often fosters flourishing rather than mere survival.*

April 9, 2019	Recognizing When to Discuss Goals of Care: Routine Risk Assessment to Drive System-Level Culture Change	Passavant Hospital, UPMC	Pittsburgh, PA
<i>Invited to keynote the annual Palliative Care Update at the Passavant Hospital Palliative and Supportive Care Institute of UPMC.</i>			
October 10, 2017	Recalibration and External Validation of the Risk Analysis Index (RAI) of frailty	The Clinical Research, Investigation, and Systems Modeling of Acute Illness (CRISMA) Center, Critical Care Medicine, University of Pittsburgh	Pittsburgh, PA
<i>Invited to present research findings to interdisciplinary research team and graduate students at the weekly research conference.</i>			
April 27, 2017	Lunch with Kerry Egan	Family Hospice	Pittsburgh, PA
<i>Invited respondent to Kerry Egan's presentation about her book, On Living, to local clergy and hospice workers.</i>			
April 18, 2017	Pre-Surgical Risk Analysis Index: Identifying high risk surgical patients and building clinical pathways to optimize their care.	Pittsburgh Health Data Alliance, a cooperative venture of UPMC, the University of Pittsburgh, and Carnegie Mellon University	Pittsburgh, PA
<i>Invited faculty speaker for the invitation-only conference on big data analytics in healthcare, The Next Big (Data) Thing.</i>			
February 17, 2017	Flourishing in the City: Caring for the Vulnerable and Frail	Pittsburgh Leadership Foundation	Pittsburgh, PA
<i>Invited faculty speaker for Jubilee Professional, an interdisciplinary conference.</i>			
April 15, 2016	Duty to Rescue? Duty to be Rescued?: What can surgeons reasonably expect from patients?	Center for Bioethics and Health Law, University of Pittsburgh	Pittsburgh, PA
<i>Keynote speaker for an hour-long Center Colloquium.</i>			

October 2, 2015	Improving Care and Decision Making for Frail Veterans Considering Elective Surgery	VA Pittsburgh	Pittsburgh, PA
<i>Invited to speak at the Geriatric Research Education and Clinical Center Noon Conference.</i>			
October 10, 2012	<u>Urology Grand Rounds: "Ethics, Consent, Core Competencies and Practical Wisdom"</u>	UPMC Department of Urology	Pittsburgh, PA
<i>Invited to give grand rounds to urology.</i>			
March 13, 2012	Informed Consent to Inguinal Herniorrhaphy and Cholecystectomy: Attitudes, Practices and Preferences of Patients and Surgeons at VA Pittsburgh	VA Center for Health Equity Research and Promotion and RAND-University of Pittsburgh Health Institute	Pittsburgh, PA
<i>Invited presenter at the weekly Health Services Research Seminar Series sponsored by the Center for Research on Health Care.</i>			
August, 2005	Reclaiming the moral agency of medical practice	Children's Hospital of Pittsburgh	Pittsburgh, PA
<i>Sixty-minute talk for the department of surgery at Children's Hospital of Pittsburgh.</i>			
December, 2004	Can anyone really measure religion? Conceptual and theological challenges for the empirical study of religion	Duke University	Durham, NC
<i>Keynote speaker for the Theology and Medicine Seminar offered by the Center for Spirituality, Theology and Health.</i>			
March, 2004	Religion and medicine: The extent and limits of the data	Department of Surgery, UPMC	Pittsburgh, PA
<i>Research seminar presented at the Department of Surgery, UPMC.</i>			
March, 2004	Lenten forum on faith and health	Church of the Holy Family	Chapel Hill, NC
<i>Four evening sessions dealing with the science and theology of the faith and health movement presented at the Church of the Holy Family.</i>			
January, 2004	Religion and health: Fashionable, formidable or flakey?	Church of the Holy Family	Chapel Hill, NC
<i>Two consecutive adult education sessions on faith and health at the Church of the Holy Family.</i>			

February 7, 2003	Faith and health: State of the science and future directions	University of North Carolina	Chapel Hill, NC
2001	“The role of ‘healing’ in modern medicine”	Order of St. Luke, Pittsburgh chapter	Pittsburgh, PA
<i>Lead a full day retreat and lecture entitled “The role of ‘healing’ in modern medicine” at the Pittsburgh chapter’s annual meeting. The Order of St. Luke is an interdenominational association of lay and ordained ministers who engage in healing ministries.</i>			
2001	Calvary Episcopal Church, Lenten Forum	Calvary Episcopal Church	Pittsburgh, PA
<i>Delivered the first of four lectures assembled to address the relationship between medicine and religion, spirituality, and the Church.</i>			
1998	Forum on the experience of clinical medicine	Yale Medical School	New Haven, CT
<i>Founder and facilitator. Organized and lead a monthly series of discussions for third year medical students which encouraged participants to reflect broadly on their own social and moral growth as physicians while seeking to develop both the compassion necessary for quality patient care and the communication skills necessary for effective work with colleagues.</i>			
1997-1998	Health and spirituality conference	Albert Schweitzer Institute for the Humanities and the Program for Humanities in Medicine at Yale	New Haven, CT
<i>Steering committee. Involved with the planning and implementation of a two day conference sponsored by the Albert Schweitzer Institute for the Humanities, and the Program for Humanities in Medicine at Yale.</i>			

REGIONAL PRESENTATIONS

October 26, 2023	The Surgical Pause: Hip Fracture Edition	UPMC Central – Orthopedic Department Grand Rounds	Harrisburg, PA
<i>Invited to share experience with the Orthopedic Inpatient Pause, aimed at identifying high risk patients and optimizing the plan of care, patient and family expectations, and the development of a robust non-operative pathway for goal concordant care.</i>			
May 21, 2022	Frailty in Vascular Patients: Balancing	2022 Pittsburgh Vascular Symposium	Pittsburgh, PA

the Clinical Need and
the Risks of
Intervention

Invited to speak to healthcare professionals in the Pittsburgh area about balance between the need and possible risks of clinical intervention for frail vascular patients.

April 5, 2022	A User's Guide to Sharing Medical Decisions: How Aristotle's account practical wisdom clarifies the roles and responsibilities of patients and physicians.	Annual Lehman Lecture, Allegheny College	Meadville, PA (virtual)
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Invited to explain how Aristotle's concept of practical wisdom (phronesis) helps clarify the roles of patient and physician in the shared decision making process. The approach protects patients and physicians alike from errors that might arise if they confuse their role or responsibility. This neo-Aristotelian approach opens a way for physicians and patients to meet as trustworthy moral friends rather than merely (potentially hostile) strangers.

March 10, 2022	VA Surgical Frailty Assessment Tool	VISN19 Surgical Summit	Glendale, CO (Virtual)
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Invited to speak to clinical leaders from VISN19 about the importance of geriatric-specific care pathways, with a specific focus on using the Risk Analysis Index (RAI) as a vulnerability assessment for surgical patients.

August 11, 2021	The Surgical Pause	VISN17 Surgical Summit	Dallas, TX (Virtual)
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Invited to speak to Section Chiefs, all surgical staff, and key leaders from Anesthesia, SICU, Palliative Care, and Medicine to learn about the data underpinning the Surgical Pause initiative.

August 4, 2021	The Surgical Pause	Cleveland VAMC	Cleveland, OH (Virtual)
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Invited to speak at the interdisciplinary grand rounds by Cleveland VAMC to explain how the surgical pause improves surgical outcomes by identifying patients who are at high risk of poor outcomes with surgery, so that a "pause" can be imposed to reevaluate the plan of care, patient and family expectations, and to selectively intervene with prehabilitation, preoperative risk factor modification, or by alerting relevant services to the patient's expected needs for perioperative care.

July 13, 2021	<u>Physician as the Modern Priest</u>	Beatrice Institute Podcast	Virtual
<i>Invited as a podcast guest to discuss the intersections of physical and spiritual health, the advantages and limitations of incorporating artificial intelligence into medicine, and the phenomenon of excluding clergy from hospitals during the recent pandemic.</i>			
October 22, 2020	Pastoral Care, Public Health and Priorities: Human Flourishing in a Broken but Healing World.	Theil College	Greenville, PA
<i>Annual lecture for the Community Medical Ethics Project, co-sponsored by Theil College and the Medical Ethics Committee of UPMC Horizon. The lecture explored how an emphasis on technical efficiency and success have obscured the proper ends and goals of medicine, often substituting "maximal safety" or "mere life" for a more complete account of human flourishing.</i>			
August 23, 2019	The Surgical Pause: Routine Risk Assessment to Improve Surgical Care	Regional VISN 4	Virtual Meeting
<i>VISN4 Innovators Pitch for VA Demo Day. Advanced from local Innovation Pitch to the Regional VISN 4 Innovators Pitch. August 23, 2019.</i>			
September 29, 2018	Fidelity: Compassion, Love and the Technological Imperative	Wheeling Hospital	Wheeling, WV
<i>Invited lecture for the Wheeling Hospital Annual Ethics Seminar to discuss the technological imperative and some of the ways in shapes and constrains imagination for treatment.</i>			
April 5, 2017	Religion, Faith and Ethics in Healthcare: Third Rail or Third Rail?	St. Clair Hospital	Pittsburgh, PA
<i>Invited 2-hour lecturer for the St. Clair Hospital Ethics Program. This CME series contracted through the Consortium Ethics Program.</i>			
February 24, 2016	Patient-centered decision making for frail patients	Allegheny College	Meadville, PA

considering elective surgery.

Invited keynote speaker for the 2016 Lehman Lecture in Medical Ethics.

September 11, 2013	Patient Autonomy and Decision Making Capacity.	Meadville Medical Center	Meadville. PA
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Invited lecturer for Meadville Medical Center mid-day CME series contracted through the Consortium Ethics Program.

Sep 11, 2012	Religion, faith and medicine: Third rail or third rail?	Altoona Regional Hospital	Altoona, PA
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Invited plenary speaker to give 3 lectures over the course of the day at Altoona Regional Hospital, discussing the interface between religion and medicine as part of the University of Pittsburgh's Consortium Ethics Program.

September 25, 2010	Religion, Faith and Ethics in Healthcare: Third Rail or Third Rail?	University of Pittsburgh Consortium Ethics Program	Wheeling, WV
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Invited lecturer for the Fall Retreat of the University of Pittsburgh Consortium Ethics Program.

September 25, 2010	Decision Making Capacity: Principles, Practice and Problems	University of Pittsburgh Consortium Ethics Program	Wheeling, WV
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Invited lecturer for the Fall Retreat of the University of Pittsburgh Consortium Ethics Program.

March 4, 2010	Informed Consent: Past, Present and Future	Children's Hospital of Pittsburgh	Pittsburgh, PA
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Invited speaker to discuss the ethics of informed consent in the context of pediatric surgery at Children's Hospital of Pittsburgh.

March 12, 2006	Remember that you are dust: Idealism and idolatry in medicine	Trinity Church	Warwick, NY
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Keynote speaker at Trinity Church, Warwick, NY.

April 2005	Religion, medicine and health:	Christ Church	Raleigh, NC
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Fashionable,
formidable or flakey?
Keynote speaker at Christ Church.

2000 Holy Trinity Church, Holy Trinity Church Oxford, OH
Lenten Forum
Lectured and preached at this university parish on the nature of bivocational ministry and the integration of secular work with spiritual vocation.

Facilitator: 1997 Seminarians National Conference New York, NY
Student Coordinator: interacting of Christians and
1996 Jews
Facilitated small groups during a one week intensive workshop on inter-faith dialogue for select seminary students from Christian, Jewish and Islamic traditions.

NATIONAL PRESENTATIONS

November 8, 2023 Building Blocks of Character Kern National Virtual
Network for
Flourishing—The
Becoming Series
The Becoming Series explores meaningful topics not often covered in a formal medical curriculum and helps students build key strengths for becoming the physician they want to be. I was asked to share personal experience with character necessary for good surgical practice.

October 24, 2023 The Surgical Pause: An National Quality Virtual
Innovative New Way to Forum
Measure and Mitigate Risk
in Frail Elderly
Invited by the National Quality Forum to present a 60 minute webinar describing experience with the Surgical Pause. Attendance was unusually high as was the rate submitted evaluations that expressed uniform enthusiasm. A recording of the webinar is available [here](#).

May 4, 2023 Discussant of Abstract American College Virtual
of Surgeons
Surgical Palliative
Care Symposium
Invited discussant for abstracts presented as part of the Symposium.

February 7, 2023 The Surgical Pause: Salisbury VAMC Virtual
Preoperative Frailty Grand Rounds
Screening and
Prehabilitation

Invited to present findings on improved surgical outcomes after implementing frailty screenings and the feasibility of expanding these procedures into North Carolina facilities.

January 18, 2023	The Surgical Pause: Preoperative Frailty Screening and Prehabilitation	Strong Practices Showcase	Virtual
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90-minute lecture plus Q&A to a nation-wide collaborative of VA surgeons, nurses, anesthesiologists, and surgical staff.

October 19, 2022	Frailty: Evidence, selection, and use of frailty instruments as predictors of postoperative outcomes	Vanderbilt University Medical Center – Department of Anesthesiology	Virtual
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Invited to speak about the different frailty instruments, and particularly the Risk Analysis Index created by Hall and his team, and how surgical teams can use these instruments to predict surgical outcomes in vulnerable populations.

September 22, 2022	A User's Guide to Sharing Medical Decisions: How Aristotle's account practical wisdom clarifies the roles and responsibilities of patients and physicians	Beth Israel Deaconess Needham – Medical Grand Rounds	Virtual
<i>Invited to explain how Aristotle's concept of practical wisdom (phronesis) helps clarify the roles of patient and physician in the shared decision making process. The approach protects patients and physicians alike from errors that might arise if they confuse their role or responsibility. This neo-Aristotelian approach opens a way for physicians and patients to meet as trustworthy moral friends rather than merely (potentially hostile) strangers.</i>			
September 15, 2022	The Surgical Pause: Preoperative Frailty Screening and Prehabilitation	VISN7 Surgical Summit	Virtual
<i>Presented on the significance of the Surgical Pause and the specifics of implementing frailty screening and the Surgical Pause at UPMC.</i>			
April 25, 2022	Measuring Frailty with the RAI Frailty Tool in CPRS	Annual Meeting of the Association of VA Surgeons	Pittsburgh, PA
<i>Invited to describe efforts to describe the national diffusion of the Surgical Pause, focusing especially on the use of the RAI Frailty Tool in CPRS.</i>			
April 23, 2022	Community Care or Fractured Care?	Annual Meeting of the Association of VA Surgeons	Pittsburgh, PA
<i>Invited to present findings from a recent publication describing long term outcomes after kidney transplant, stratified as to whether post-transplant care was rendered by VA, Medicare, or Dual Care.</i>			
April 8, 2022	THE SURGICAL PAUSE: Preoperative Frailty Screening and Prehabilitation	Annual Michigan Surgical Quality Collaborative and Anesthesiology Performance Improvement and Reporting Exchange Meeting	Livonia, MI
<i>Invited to present findings on improved surgical outcomes after implementing frailty screenings and the feasibility of expanding these procedures into Michigan facilities.</i>			

March 30, 2022	Surgical Pause	South Carolina Surgical Quality Collaborative Quarterly Meeting	Virtual
<i>Invited to present on the concept of frailty as it relates to surgery, the idea of a surgical pause, and the outcome of implementing surgical pauses on the surgical planning process.</i>			
March 23, 2022	Comparing Veterans Affairs and Private Sector Perioperative Outcomes After Noncardiac Surgery	Veterans Health Administration Chiefs of Staff Monthly Meeting	Virtual
<i>Presented findings from 2021 study to the VHA Chiefs of Staff throughout the United States at the monthly meeting. Study findings suggest better risk-adjusted quality of surgical outcomes in VA compared to private sector hospitals.</i>			
October 28, 2021	The Surgical Pause	Veterans Health Administration Innovation Experience	Virtual
<i>Presented a TED-style multimedia presentation on using the Risk Analysis Index to screen Veterans for frailty before surgery to align goals of care and improve post-op survival rates.</i>			
October 6, 2021	The Surgical Pause for Interventional Radiology?	Veterans Health Administration Interventional Radiology Field Advisory Call	Virtual
<i>Invited to speak on the VA Interventional Radiology Field Advisory call to explain how the surgical pause improves surgical outcomes by identifying patients who are at high risk of poor outcomes with surgery, so that a “pause” can be imposed to reevaluate the plan of care, patient and family expectations, and to selectively intervene with prehabilitation, preoperative risk factor modification, or by alerting relevant services to the patient’s expected needs for perioperative care. We also explored ways that the surgical pause might be adapted to the clinical context of interventional radiology.</i>			
September 21, 2021	Using Systematic Risk Stratification to Trigger Goals of Care Conversations in Critical Illness and Surgery	University of Pennsylvania School of Medicine	Virtual
<i>Presented at Penn Medicine’s Palliative Care Grand Rounds. Described development and deployment of Surgical Pause initiatives, including Risk Analysis Index, SafeNET Score, TelePalliative Care interventions, and Best Case Worst Case scenario planning.</i>			

December 18, 2020	Implementing Age-Friendly Health Systems at Scale	University of Pennsylvania School of Medicine	Virtual
<i>Presented at Penn Medicine's Geriatric Grand Rounds with colleagues, describing our newly funded QUERI Program Award aimed at making VISN4 an age-friendly healthcare system. Co-presenters were Robert Burke and Rebecca Brown.</i>			
September 25, 2020	Virtual Forum: Healthcare, Coronavirus, and the Church	Anselm House, the Carver Project, and the Duke Divinity School	Virtual
<i>Invited to speak on a panel with Elizabeth Dias (New York Times) and Ryan Antiel (Washington University) to discuss our recent writing on the intersection between healthcare, the coronavirus pandemic, and the religious institutions.</i>			
September 11 2020	Frailty and Unavoidable Outcomes: Research and Reality	DRI Nursing Home/ALF Litigation Virtual Seminar	Virtual, originally scheduled for Nashville, TN
<i>Invited to give keynote speech to this association of attorneys engaged in advocacy for nursing homes and their residents. Asked to describe my work on frailty screening and perioperative optimization as a catalyst for thinking about legal defense and prosecution in a different light, focused on the broader context of human flourishing.</i>			
<i>Feedback: "Dr. Daniel E Hall's presentation is by far the best CLE presentation I have ever attended in 10 years of practicing law."</i>			
January 22, 2020	CCSQ Grand Rounds (CMS): The Case for Frailty	Centers for Medicare and Medicaid Services	Baltimore, MD
<i>Invited with colleague Jason Johanning to give grand rounds at CMS in Baltimore, MD presenting updates on our work on surgical frailty and improved perioperative care and system-wide quality improvement driven by frailty assessment.</i>			
August 22, 2019	"The Surgical Pause: Routine Risk Assessment to Drive System-Level Culture Change."	Department of Surgery, Maine Medical Center	Portland, MA
<i>Grand Rounds, Department of Surgery, Maine Medical Center, Portland, MA, August 22, 2019.</i>			

December 11, 2018	<u>CCSQ Grand Rounds (CMS): The Surgical Pause.</u>	Centers for Medicare and Medicaid Services	Baltimore, MD
<i>Invited with colleagues Jason Johannig and Shipra Arya to give grand rounds at CMS in Baltimore, MD presenting on our work on surgical frailty and improved perioperative care.</i>			
January 24, 2018	Grand Rounds “Surgical Frailty: A Powerful Tool for Improved Perioperative Decision Making”	Department of Surgery, University of Nebraska	Omaha, NE
<i>Invited to speak at the University of Nebraska department of surgery regarding my work on measuring surgical frailty for the purposes of quality improvement.</i>			
April 19, 2017	Visiting Professor	Program for Medicine, Spirituality, and Religion, Department of Internal Medicine, Yale University School of Medicine	New Haven, CT
<i>Invited faculty speaker to discuss faith in the practice of medicine and surgery.</i>			
October 15, 2016	Difficult ethical issues in Surgical Research	Association of Academic Surgeons Fundamentals of Surgical Research	Washington, DC
<i>Invited faculty speaker for the Association of Academic Surgeons Fundamentals of Surgical Research course.</i>			
April 30, 2016	To what end are our ethical decisions directed?	Baptist Health System	San Antonio, TX
<i>Invited keynote speaker for the 2016 Ethics Symposium.</i>			
October 6, 2015	“Surrogate Consent for Surgery Forecasts Early Do-Not-Resuscitate Orders and High Mortality.”	American College of Surgeons Clinical Congress	Chicago, IL
<i>Faculty respondent for abstract “Surrogate Consent for Surgery Forecasts Early Do-Not-Resuscitate Orders and High Mortality” by Sanjay Mohanty, et al.</i>			

February 10, 2015	Examining medical ethics through the lens of health services research.	VA HSR&D Cyber Seminar (National)	Virtual Meeting
<i>Invited to give a national cyber seminar on apply health services research methodology to the topic of medical ethics, particularly the ethics of informed consent.</i>			
January 13, 2015.	Quality and Efficiency of IRB Review Across 10 VA IRBs	VA Office of Research Oversight	Virtual Meeting
<i>Invited to present research findings to the Nationwide Bi-Monthly Teleconference of the VA Office of Research Oversight.</i>			
October 10, 2014	Faith in the Practice of Medicine: Why Religion Matters for the Decisions Physicians Face	Institute for Faith and Learning, Baylor University	Waco, TX
<i>Invited keynote speaker for the first Medical Ethics Banquet sponsored by the Institute for Faith and Learning at Baylor University.</i>			
September 5, 2014	Quality and Efficiency of IRB Review Across 10 VA IRBs	Field Advisory Committee of the VA Office of Research Oversight	Arlington, VA
<i>Invited to present research findings to the Field Advisory Committee of the VA Office of Research Oversight.</i>			
October 9, 2013	Describing IRB Efficiency, Quality and Procedures: An interim report.	VA Office of Research and Development	Washington, DC
<i>Invited to present a formal progress report to the VA Office of Research and Development.</i>			
May 23-25, 2012	Responding to the Call of the Sick: Religious Traditions and Health Professions Today	Conference on Medicine and Religion	Chicago, IL
<i>Invited plenary faculty to present on the question "Is Medicine a Spiritual Vocation?" and to lead a conference Eucharist.</i>			

- April 12-13, 2012 The Veritas Forum at Mayo Clinic Mayo Clinic Rochester, MN
Invited respondent to two papers presented by Nigel Biggar, Regius Professor of Moral and Pastoral Theology, Christ Church, Oxford University. Papers included “Why religion deserves a place in secular medicine” and “Should doctors ever kill?”
- November 10, 2011 Practice and Profession Symposium University of Chicago Chicago, IL
Invited respondent to papers presented as part of an interdisciplinary working group seeking to express what it would mean to situate the practice of medicine in the context of a good life.
- October 27, 2009 Hospitals, Hospitality and the De/Re-Moralization of Medicine: What Faith Communities Can Contribute to Healthcare Even When “Religion” Doesn’t “Work” Division of Cancer Medicine Grand Rounds, MD Anderson Houston, TX
Sixth annual lecture of the Sister Alice Potts Endowed Lecture Series of the Division of Cancer Medicine Grand Rounds at MD Anderson.
- October 17, 2009 Whose Outcomes? Which Notion of Health? American Society for Bioethics and Humanities Washington, DC
Panel member speaking at the Annual Meeting of the American Society for Bioethics and Humanities in Washington, DC. The talk addressed how religious and theological traditions may inform normative understandings of the proper ends and scope of medical practice.
- June 13, 2007 Religion, Spirituality and the Clinical Encounter Memorial Hospital South Bend, IN
Keynote speaker at the “Vincent DeStefano Memorial Lecture”, Memorial Hospital.
- May 16, 2007 The Limits of Standard Bioethics: Removing the straightjacket of autonomy Ethics and the Department of Surgery, University of Chicago Chicago, IL
Invited speaker at the both the “Surgical Ethics Conference” and the “Seminar of Religion and Health” at the Maclean Center for Ethics and the Department of Surgery, University of Chicago.

December 5, 2006	Conceptualizing religion and spirituality in religious coping	Notre Dame University	South Bend, IN
<i>Invited speaker at the conference "Faith and Health: Interdisciplinary Conference on the Dynamics of Religious Coping."</i>			
October 28, 2006	Religion and Health: Theological limits and concerns	American Society of Bioethics and Humanities	Denver, CO
<i>Chair of ninety minute symposium presented at the annual meeting of the American Society of Bioethics and Humanities.</i>			
October 10, 2006	The Limits of Standard Bioethics: Removing the straightjacket of autonomy	American College of Surgeons Annual Clinical Congress	Chicago, IL
<i>One of four speakers in the two hour panel session "Finding Clinical Perspective When No One Wants To Quit: Who is Needed, What is Needed?" moderated by GP Purcell and GP.</i>			
June 22, 2006	Formation, Flourishing and Friendship with God	Duke University	Durham, NC
<i>Panel Commentator, Religion and Health Research Panel: Implications for Health Ministries at the Health Ministries Association per conference.</i>			
June 23-22, 2006	Limits of the data	Duke University	Durham, NC
<i>Invited speaker at the conference on "Religion and Health."</i>			
February 18, 2006	Science, ethics and religion: Reclaiming the physician's responsibility to offer moral counsel to patients	CMDA	Chicago, IL
<i>One of three keynote speakers for the CME course "Can the practice of medicine be distinctively Christian?" offered by the CMDA.</i>			
March 30, 2005	Strangers or Friends? A proposal for a new spirituality-in-medicine ethic	Galveston Medical Centers	Galveston, TX
<i>Keynote speaker at the Family Practice grand rounds and at the William Temple Dialogue on Spirituality and Healthcare Dialogue.</i>			
April, 2004	Religion, medicine and health: Fashionable, formidable or flakey?	University of Chicago School of Medicine	Chicago, IL

Keynote speaker at the religion and health seminar of the University of Chicago School of Medicine.

INTERNATIONAL PRESENTATIONS

June 4, 2021	Frailty Index as Preoperative Assessment	UPMC International	China, Ireland, Italy (Virtual)
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Invited by UPMC International to describe my work regarding surgical frailty.

May 25, 2021	Harnessing AI to Advance Mainstream Medicine	IQVIA Institute for Human Data Science	Unites States, Ireland, UK, Netherlands (Virtual)
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Invited by IQVIA International to participate in an international seminar and focus group based on my research with SafeNET using artificial intelligence to guide quality improvement.

April 13, 2021	The Surgical Pause: Preoperative Frailty Screening and Prehabilitation	Seminars in Geriatric Medicine	Edinburgh, Scotland, UK (Virtual)
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Invited by the Medicine of the Elderly Department, Royal Infirmary of Edinburgh to give a grand rounds style presentation on my work regarding surgical frailty.

September 10-15, 2005	Why measures of religiousness may not be what they claim to be.	XIIIth World Congress of Psychiatry	Cairo, Egypt.
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One of four speakers for a 90 minute symposium of "Religion and Old Age Psychiatry."

MEDIA CONTACTS

MOVIE

[Full Disclosure: The Search for Medical Error Transparency](#), 2015 documentary by film maker, Laurence Kramen. I was interviewed at length and appear in the final cut of the film.

[Full Disclosure Out-takes: What is informed consent?](#) Video discussion of the nature and limits of informed consent in the context of clinical care.

TELEVISION

WPXI-TV, 4/9/06, "Attend church, live longer".

KSHV-TV, 4/6/06, "Weekly attendance of religious services can extend a person's life."

KDKA-TV, 4/4/06, "[Could Attending Church Let you live longer.](#)"

MSNBC-TV, Tucker Carlson Show, [4/3/06 live interview](#) for 3 minutes

RADIO AND PODCASTS

C20 Podcast, 7/13/21. "[The Surgical Pause: Why You Shouldn't Rush to the OR.](#)"

SiriusXM Radio, 1/3/2020, 6:30-7:00 EST. Live Interview and Listener Calls (30-minutes) with Dr. Greg Ribakove on "Doctor Radio". The C20 podcast is a weekly religion, spirituality, and Christianity for a young adults ministry at Meadowbrook Church in Ocala, FL.

KCBS Radio, 12/18/19, Live Interview on "[Study Shows Dangers of All Surgery for the Elderly](#)" with Jeff Bell and Patti Reising, KCBS All News Radio, 106.9 FM and 740 AM, San Francisco, CA.

KFBX-FM, 6/28/06, "Want to feel better? Make some friends."

KVKI-FM, 6/28/06, "Want to feel better? Make some friends."

KRBC-NBC Morning, 4/10/06 6:02:AM, Radio Report.

KRBC-NBC 4/9/06 5:00PM, Radio Report.

WESC-FM, 4/6/06, "Weekly attendance of religious services can extend a person's life."

WRZX-FM, 4/6/06, "Weekly attendance of religious services can extend a person's life."

WMGP-FM, 4/6/06, "Weekly attendance of religious services can extend a person's life."

KCDA-FM, 4/6/06, "Weekly attendance of religious services can extend a person's life."

KODA-FM, 4/6/06, "Weekly attendance of religious services can extend a person's life."

WFBQ-FM, 4/5/06, "Weekly attendance of religious services can extend a person's life."

WAAX-AM, 4/5/06, "Weekly attendance of religious services can extend a person's life."

KSYU-FM, 4/5/06, "Weekly attendance of religious services can extend a person's life."

KQV Radio with PJ Maloney, 4/4/06, 4 minute live interview rebroadcast throughout day.

KGO Radio with Alan Ray, 4/4/06, 4 minute live interview for the San Francisco Bay area.

KDKA Radio 4/3/06, interview with Lisa Alexander rebroadcast throughout the day.

KSL-AM Radio, 4/4/06, "Study finds church-goers live longer."

USA Radio Network, 4/4/06, "Attend church, live longer"

Metro Networks (radio) 4/3/06, 30 seconds live repeated throughout the country.

LOCAL PRINT MEDIA CONTACTS

- ["Patients Identified As Frail Before Surgery Less Likely To Die One Year After,"](#)
Western Pennsylvania Healthcare News. 26 February 2023.
- "Spiritual Shepherds," Ed DeWitt, *UPMC First Friday Magazine*. Mar 2022.
- "Creating the space for crucial conversations," Brandon Szuminsky, *UPMC First Friday Magazine*. Nov 2021.
- ["Reducing surgical complications through prehabilitation,"](#) *UPMC Physician Journal*,
Episode 105, Chapter 2. October 2021.
- ["Work by Drs. Katherine Reitz, Daniel Hall, and Edith Tzeng Published in JAMA
Cardiology,"](#) *University of Pittsburgh Department of Surgery*. 06 Oct 2021.
- ["Prevent Unnecessary Surgeries, UPMC Health Plan, Pittsburgh,
PA,"](#) *Transforming Care*. June/July 2018.
- ["Five things to know today, and workers comp costs down in PA,"](#) *Pittsburgh
Business Times*. 01 Dec 2016.
- ["Aging Edge,"](#) Jill Daly, *Pittsburgh Post-Gazette*. 30 Nov 2016.
- ["VA Study: Pre-Surgical Palliative Care Benefits Frail Patients"](#), *VA Pittsburgh
Website*. 15 Oct 2014.
- "Regular church attendance helps increase life span, study shows", *Observer-
Reporter*. 4 May 2006.
- "In God they trust", Rob Amen, *Pittsburgh Tribune Review*. 16 April 2006, p. 1 (above
fold).
- "In church, not only the soul is exercised," *Post-gazette.com*. 16 April 2006,
- "Long live the company we keep," *Pittsburgh Post-Gazette*. 12 April 2006.
- ["Study Finds Attending Church Adds Years to Life"](#), Audrey Barrick,
ChristianPost.com. 4 April 2006.
- "Church may help you live longer," *Pittsburgh Post-Gazette*. 4 April 2006.
- "Going to church may help you live longer," *Post-gazette.com*. 4 April 2006.

NATIONAL PRINT MEDIA CONTACTS

- ["Risk score helps patients and doctors make informed decisions about whether to go
ahead with surgery."](#) *EpicShare Website*. 20 Dec 2021.
- ["Surgical pause saving Veterans lives."](#) *VA HSR&D Website*. 22 September 2021.
- ["Real-time tool can rapidly predict mortality for patients facing transfer between
hospitals"](#) by Emily Henderson. *News Medical: Life Sciences*. 8 Feb 2021.
- ["Researchers develop data tool that may improve care"](#). *Medical Xpress*. 9 Feb 2021.
- ["UPMC develops AI tool to predict mortality for patients facing hospital transfer"](#) by
Katie Adams. *Brecker's Health IT*. 8 Feb 2021.
- ["UPMC pilots machine learning, telehealth to inform patient transfers"](#) by Jessica Kim
Cohen. *Modern Healthcare*, 20 Feb 2021.
- ["Make Frailty Part of Discussions About Surgery"](#), Lindey Getz. *Today's Geriatric
Medicine*, Jan/Feb 2021.
- ["Palliative Care Consult Tied to Better End-of-Life Care, QoL After High-Risk Surgery"](#),
Marilynn Larkin, *Medscape*. 8 Jan 2020.

[“Frail Older Patients Struggle After Even Minor Operations: These patients are not aware of the true risks, and surgeons aren’t telling them, new research suggests”](#), Paula Span, *The New Old Age*, *The New York Times*. 12 Dec 2019.

[“Study raises new warning about frail surgery patients,”](#) Tristan Horrom, November 2019.

[“Screening for frailty saves lives”](#), October 2019. Story sent to 10,710 email addresses in VHA and a total of 1,108 opened (high opening rate). Story tweeted on the CHERP Twitter feed, making 611 impressions.

“Health Equity Research - ‘Screening for frailty saves lives,’” *Distribution from the GovDelivery VHA Bulletin Detail Report*. 23 Aug 2019.

[“Frailty Index Helps Cut Readmissions, ICU Stays”](#), *HealthLeaders Media*. April 2018. A UPMC program that helps patients "prehabilitate" in preparation for elective surgery is helping reduce postoperative mortality, complications, readmissions, and longer ICU stays.

[“Frailty Screening May Improve Outcomes For Older Surgical Patients,”](#) *Journal of Clinical Pathways*. Jan/Feb 2017.

[“Frailty Screening May Cut Mortality in Older Elective Surgery Patients,”](#) *Managed Health Care*. 13 Dec 2016.

[“Frail patients should have tailored cardiac rehabilitation says European experts,”](#) *MedicalXpress*. 12 Dec 2016.

[“Frail patients should have tailored cardiac rehabilitation says European experts,”](#) Sophia Antipolis, *EurekAlert*. 12 Dec 2016.

[“Preoperative Frailty Screening Initiative Reduces Mortality,”](#) *Medscape*. 02 Dec 2016.

[“Frailty Screening Initiative Cuts Mortality After Surgery,”](#) *Physician’s Briefing*. 01 Dec 2016.

[“Frailty Screening Initiative Cuts Mortality After Surgery,”](#) *Doctors Lounge*. 01 Dec 2016.

[“Frailty Screening Can Predict Postoperative Survival,”](#) *Medical Research*. 01 Dec 2016.

[“Frailty screening brings better results after surgery, study says,”](#) Jill Daly, *Reading Eagle*. 30 Nov 2016.

[“Use of Frailty Screening Initiative Before Surgery Associated With Reduced Risk of Death,”](#) *DG News*. 30 Nov 2016.

[“A Call for Frailty Screening in the Preoperative Setting,”](#) *The JAMA Network*. 30 Nov 2016.

[“Use of frailty screening initiative before surgery associated with reduced risk of death,”](#) *MedicalXpress*. 30 Nov 2016.

[“Use of frailty screening initiative before surgery associated with reduced risk of death,”](#) *EurekAlert!* 30 Nov 2016.

[Study: Frailty in seniors raises mortality risk related to elective surgery,”](#) *Chicago Tribune*. 21 Jan 2016.

[“Frail Seniors Face Increased Death Risk After Surgery, Study Suggests.”](#) *U.S. News & World Report*. 21 Jan 2016.

[“Frail Seniors Face Increased Death Risk After Surgery, Study Suggests,”](#) *Philly.com*. January 2016.

[“Another possible benefit of going to church: A 33 percent chance of living longer,”](#) *Washington Post*. April 15, 2015.

Interviewed about recent JAMA article on religion and health.

[“Spotlight: Palliative and Hospice Care Research.”](#) *VA HSR&D*. HSR&D Monthly Features: November 2014.

“Pre-op frailty screening linked to decreased mortality,” James E. Barone MD [Reuters Health]. *Consultant 360*. 16 Sept 2014.

“Going to church helps you live longer,” John Morley, *St. Louis Today*. 30 April 2009.

“The biology of belief”, Jeffrey Kluger, *Time Magazine*. 23 Feb 2009.

“Body and soul: When faith guides a doctor’s vocation,” M. Croasdale, *American Medical News*. 24 Dec 2007. (Extensive interview regarding bivocational work as surgeon-priest.)

“The Benefits of Going to Church,” Maureen Pratt, *Catholic News Service*. 21 Aug 2006.

“Exercising, Religiously”, *The Washington Post*. 18 April 2006.

“Going to church may help you live healthier longer”, *The Knoxville News-Sentinel*. 15 April 2006.

“Weekly religious attendance could extend a person’s life expectancy,” *The Star Ledger*. 11 April 2006.

[“The Daily Dose: Live long and worship,”](#) Matt Donnelly, *Science and Theology News*. 11 April 2006.

[“Mass health? Religious attendance adds years to life, cost effective study reveals,”](#) *Catholic Online*. 10 April 2006.

“Church may help you live longer,” *Press of Atlantic City*. 8 April 2006.

“Those who focus on life after death may live longer,” *The Daily Item*. 8 April 2006.

“Regular church attendance linked with longer life,” Scott Allen, *The Boston Globe*. 7 April 2006.

“Commentary and News Briefs,” Bill Fancher, *Agape Press*. 7 April 2006.

“Want to feel better? Make some friends,” Lee Bowman, *Scripps Howard News Service*. 5 April 2006.

“Going to church may help you live longer,” Joe Fahy, *Scripps Howard News Service*. 5 April 2006.

“Churchgoing May Increase Life Expectancy,” *Playfuls.com*. 5 April 2006.

“Churchgoers live longer,” Terry Vanderheyden, *LifeSite.net*. 5 April 2006.

“Study/Churchgoers live longer”, *World Peace Herald*. 4 April 2006.

“Testing the faith: Episcopa priest/doctor says go to church, live longer,” *WorldNetDaily*. 4 April 2006.

“Weekly religious attendance nearly as effective as statins and exercise in extending life”, *Science Daily*. 4 April 2006.

“Study finds church-goers live longer”, *The Post Chronicle*. 4 April 2006.

“Study: Churchgoing can add years to your life”, Rob Roy Britt, *FoxNews.com*. 4 April 2006.

[“Churchgoing correlated to longevity”](#), Jennifer Harper, *Washington Times*. 4 April 2006.
 “Churchgoers Live Longer” Robert Roy Britt, *LiveScience.com*. 3 April 2006.
 “The Power to Uplift,” Pamela Paul, *Time*: A46-48. 9 Jan 2005.
 “Priest studies relationship of science, religion,” Patrick O’Neill, *Chapel Hill News*, p.B4. 27 Oct 2004.
 “Religion In Medicine is Not ‘Neutral’,” *Academic Physician and Scientist*. Sept 2004.

INTERNATIONAL RADIO

BBC Radio Stokes, “Sunday Breakfast”, Lamont Howie, extended interview 4/30/06.
 Radio Shalom (Montreal), 4/19/06, Eloise Cohen, “Les pratiques religieuses bonnes pour la sante” (15 minute interview).

INTERNATIONAL PRINT MEDIA CONTACTS

[“Frailty Screening Before Surgery Reduces Risk of Death,”](#) Daniel Beris, *Hospimedia*. 13 Dec 2016.
[“Use of frailty screening initiative before surgery associated with reduced risk of death,”](#) *News Medical*. 01 Dec 2016.
[“Gebrechlichkeit: Screening kann Sterblichkeit nach Operationen senken,”](#) *Deutsches Arzteblatt*. 1 Dec 2016.
 “Body and soul: When faith guides a doctor’s vocation,” *AMNews*. 24 Dec 2007.
 “Believers live longer”, *St Petersburg Times (Russia)*. 7 April 2006.
 “Attendance at religious services may increase life expectancy,” George Conger, *The Jerusalem Post*. 5 April 2006.
 “Going to church may extend life,” *BBC News*. 4 April 2006.
 “Study finds church goers live longer,” *DailyIndia.com*. 4 April 2006.
 “Religion makes road to God longer,” *Ibnlive.com (New Delhi)*. 4 April 2006.
 “Study find church-goers live longer,” *United Press International*. 4 April 2006.

SERVICE

University and Medical School Service

COMMITTEE MEMBERSHIP

2023-2026	<u>Tenured Faculty Promotion and Advancement Committee</u> School of Medicine, University of Pittsburgh
2005-2012	<u>Ethics Committee</u> UPMC Presbyterian, Pittsburgh, PA
2005-2007	<u>Residency Committee</u> UPMC Presbyterian General Surgery, Pittsburgh, PA

2009-2010 Program Committee
27th Annual Medical Ethics Update
Center for Bioethics and Health Law
University of Pittsburgh

SERVICE PROJECTS

2012 Patient Engagement Project Team
Worked with an interdisciplinary group at UPMC to develop tools for engaging patients in the decision making process for surgery. Group convened by Amy Ranier, Director, UPMC Patient Experience Communications.

Veterans Health Administration Service

COMMITTEE MEMBERSHIP

2019-Present Geriatric Research, Education, and Clinical (GRECC) Advisory Subcommittee
VA Pittsburgh Healthcare System, Pittsburgh, PA

2015-2018 Field Advisory Committee
Office of Research Oversight
Veterans Health Administration
Washington, DC

2008-2017 Institutional Review Board
VA Pittsburgh Healthcare System
Pittsburgh, PA

2010-2014 Clinical Pastoral Education Professional Advisory Group
VA Pittsburgh Healthcare System
Pittsburgh, PA

SERVICE PROJECTS

2015-present Online Risk Assessment Index (RAI)
Established a quality improvement initiative that provides access to an online frailty calculator accessible from any web browser behind the VA firewall. The initiative is initiated at Pittsburgh, but open to any interest VA Medical Center, and sites from Nebraska, Georgia and Tennessee are currently enrolling.

2015 PEACEFUL-ESI

Established a quality improvement initiative called the PEACEFUL-ESI (**P**atient-Centered **C**are for the **F**rail—**E**lective **S**urgery **I**ntervention). The initiative is aimed at identifying frail patients scheduled for elective surgery and optimizing their perioperative care by supporting their decision making, arranging appropriate palliative care consultation and establishing clinical practice guidelines for intraoperative optimization.

- 2013 Advance Directive Planning Taskforce
Worked with an interdisciplinary group to develop a systems approach to better implementation and planning around advance directives and end of life decision making.
- 2012 Telemetry Criteria Taskforce
Worked with an interdisciplinary group to develop criteria continuous cardiac telemetry for use at the VA Pittsburgh Healthcare System.
- 2011 General Surgery Order Sets
Revised the comprehensive set of admission and post operative orders to accommodate new priorities for VTE prophylaxis and standardized colorectal post operative care.
- 2008 General Surgery Order Sets
Developed a comprehensive set of admission and postoperative orders for use with CPRS in the VA Pittsburgh. Tasked with this project to address system issue of compliance with VTE prophylaxis.

LOCAL/COMMUNITY SERVICE ACTIVITIES

2005-present **Assisting Episcopal Priest, First Lutheran Church, Pittsburgh, PA**
I teach, preach, and lead worship on a regular basis throughout the year, assisting the senior pastor as needed with leadership within the parish.

2014-present **Alumni Interviewer, Yale University.**
I regularly interview high school applicants, and among local interviewers, I have the highest admission rate based on the informative references I compose.

NATIONAL SERVICE

2020-present **Data Safety and Monitoring Board**
Volunteer ethics consultant on DSMB for Katherine Verdolini Abbot's NIH R01DC017923 funded study *Cognitive and Biological Mechanisms in Pediatric Voice Therapy*.

2022-Present	<u>Med Surg Centralized Monitoring Data Monitoring Committee</u> Clinical Science Research and Development Veterans Health Administration, Washington, DC
2022-present	<u>VA Central Office – Decision Making Workgroup</u> National work group aimed at clarifying policy, procedure and CPRS note templates for assessing and documenting decision-making capacity for clinical care. 6 meetings in 2022 with service to continue into 2023 with completion anticipated by June 2023.

INTERNATIONAL SERVICE

2012-2018 **Director, Pilgrim Africa, Soroti, Uganda**
I served from 2012-2018 as Secretary on the Board of Directors of this transnational charity (United States 501c3 and Ugandan NGO) dedicated to fostering hope in Uganda by eradicating malaria, educating former child soldiers, and developing sustainable agribusiness.

PROFESSIONAL DEVELOPMENT

2004-present **Participant, Seminar of Colleagues**
I meet with 8 other clergy colleagues every six months for a 3 day retreat aimed at mutual mentorship and accountability. Colleagues include parish priests, a bishop, cathedral deans, and the Chief

Information Officer of the Church Pension Group working across the United States. Meetings alternate between East and West Coast.