

## CURRICULUM VITAE

### Gary S. Fischer, MD, FACP

Professor of Medicine  
University of Pittsburgh School of Medicine  
Department of Medicine

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#### BIOGRAPHICAL INFORMATION

Name:	Gary S. Fischer, MD, FACP	Birth Date:	June 2, 1964
Home Address:	2641 Beechwood Blvd Pittsburgh, PA 15217	Birth Place:	Wilkes-Barre, PA
Home Phone:	412-862-8230	Citizenship:	US
Business Address:	Division of General Internal Medicine University of Pittsburgh Medical School MUH E-920 200 Lothrop St Pittsburgh, PA 15213	E-mail:	<a href="mailto:fischerg@upmc.edu">fischerg@upmc.edu</a>
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#### EDUCATION AND TRAINING

##### Undergraduate

1982-1986	Franklin and Marshall College Lancaster, Pennsylvania	BA, (1986), Mathematics
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##### Graduate

1986-1990	Harvard Medical School Boston, Massachusetts	MD (1990)
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##### Postgraduate

1990-1993	Massachusetts General Hospital Boston, Massachusetts	Intern and Resident, Primary Care Internal Medicine (Director: Dr. Michael Barry)
1993-1995	University of Pittsburgh Medical School Pittsburgh, Pennsylvania	Fellow, Medical Ethics and Internal Medicine (Director: Dr. Robert Arnold)

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### FACULTY DEVELOPMENT

1995	Faculty Development Course, American Academy of Physician and Patient, Annual Course on Patient Doctor Communication
2001	Mini-Advanced Training Program, Intermountain Health Care Institute for Health Care Delivery Research
2002-2004	Faculty Scholar in the Care of Older Adults, Society of General Internal Medicine and John A Hartford Foundation
2005	Faculty Development Course, American Academy for Physician and Patient
2014	UPMC Data Analytics Program, Carnegie Mellon University Heinz College

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### APPOINTMENTS AND POSITIONS

#### Academic Appointments

1995-2005	Assistant Professor of Medicine, Division of General Internal Medicine, Department of Medicine, School of Medicine, University of Pittsburgh, Pittsburgh, Pennsylvania.
1999-present	Medical Director of Ambulatory Services, UPP-General Internal Medicine, Department of Medicine, School of Medicine, University of Pittsburgh, Pittsburgh, Pennsylvania.
2005-2015	Associate Professor of Medicine, Division of General Internal Medicine, Department of Medicine, School of Medicine, University of Pittsburgh, Pittsburgh, Pennsylvania.
2007-present	Associate Professor of Biomedical Informatics, Second Appointment, School of Medicine, University of Pittsburgh, Pittsburgh, Pennsylvania.
2011-2015	Vice Chair for Quality Improvement and Patient Safety, Department of Medicine, Pittsburgh, Pennsylvania.
2015-present	Professor of Medicine, Division of General Internal Medicine, Department of Medicine, School of Medicine, University of Pittsburgh, Pittsburgh, Pennsylvania.

#### Non-Academic Appointments

2003-2015	Associate Medical Director for the Ambulatory eRecord, University of Pittsburgh Medical Center, Pittsburgh, Pennsylvania.
2015-present	Medical Director, Decision Support and Population Management, Ambulatory eRecord, University of Pittsburgh Medical Center, Pennsylvania.

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## CERTIFICATION AND LICENSURE

### Specialty Certification

1993, 2003, 2013 American Board of Internal Medicine.

### Medical and Other Professional Licensure

1993 Pennsylvania State Board of Medicine.

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## MEMBERSHIPS IN PROFESSIONAL AND SCIENTIFIC SOCIETIES

1990-1995 Massachusetts Medical Society.

1990-2002 American Medical Association

1992-present American College of Physicians

1994-1997 Society for Health and Human Values/American Society for Humanities and Medical Ethics

1994-1999 American Academy of Physician and Patient

1994-present Society of General Internal Medicine.

1994-present Pennsylvania Medical Society

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## HONORS AND AWARDS

1986 *summa cum laude*, Franklin and Marshall College, Lancaster, Pennsylvania.

1986 Williamson Medalist (student commencement speaker), Franklin and Marshall College, Lancaster, Pennsylvania.

1999 Best Pre-Course, for "Communicating with Patients at the End of Life," Society of General Internal Medicine National Annual Meeting.

2001 Second Place, Performance Improvement Fair, UPMC-Presbyterian, for "Improving Customer Service by Clinic Registration and Laboratory Processes"

2002 Selected Participant, Faculty Scholar in the Care of Older Adults, Society of General Internal Medicine and John A Hartford Foundation

2002

2002	Best Presentation in Innovations in Clinical Practice, Society of General Internal Medicine Annual Meeting for “Bursting the Bubble: Improving Call Center for UPP” General Internal Medicine Outpatient Setting.
	First Prize Quality Cup, Performance Improvement Fair, UPMC Presbyterian, for “Improving Call Center Performance”
2005	UPMC Physician ACES Award.
2007	Second Place for Sustained Achievement, Performance Improvement Fair, UPMC-Presbyterian, for “Diabetes Management in Primary Care”.
2009	Shadyside Hospital Foundation Quality Award, Special Recognition for “Improved Chronic Care Management in Primary Care General Internal Medicine Partners”.
2010	Recognition of Quality Service to the Physician Services Division and the Ambulatory eRecord.
2010	Frank E. Rath Award for Outstanding Leadership in Information Technology and Innovation, UPMC Physician Services Division.
2012	PAC 2012 Scholar, Epic Physicians Advisory Council.
2013	Recognition for Contributions to Quality of Care, UPP-General Internal Medicine.
2013	National Council of Quality Assurance (NCQA) Recognition for Delivery of Quality Diabetes Care.
2016	Practice Innovation and Quality Award, Society for General Internal Medicine National Meeting
2016	Fellow, American College of Physicians
2018	Presentation “Improving Opioid Prescribing Habits: Two Stories” selected for inclusion in web version of Epic Classics and Epic Specialty Classics

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## PUBLICATIONS

### Refereed Articles

1. Ubel PA, Zell MM, Miller DJ, **Fischer GS**, Peters-Stefani D, Arnold RA. Elevator talk: observational study of inappropriate comments in a public space. *Am J Med.* 1995; 99: 190-94.
2. Alpert HR, Hoijtink H, **Fischer GS**, Emanuel L. Psychometric analysis of an advance directive. *Medical Care.* 1996;34:1057-65.
3. **Fischer GS**, Alpert HR, Stoeckle JD, Emanuel LL. Can goals of care be used to predict intervention preferences in an advance directive? *Arch Intern Med.* 1997;157:801-807.
4. **Fischer GS**, Tulsy JA, Rose MR, Siminoff LA, Arnold RM. Patient knowledge and physician predictions of treatment preferences after discussion of advance directives. *J Gen Intern Med.* 1998;13:447-454.

5. Tulskey JA, **Fischer GS**, Rose MR, Arnold RM. Opening the black box: How do physicians communicate about advance directives? *Ann Intern Med.* 1998; 129:441-449.
6. Roter DL, Larson S, **Fischer GS**, Arnold RM, Tulskey JA. Experts practice what they preach: a descriptive study of best and normative practices in end of life discussion. *Arch Intern Med.* 2000; 160:3477-3485.
7. Kolarik RC, Arnold RM, **Fischer GS**, Tulskey J. Objectives for Advance care planning. *J Palliative Med.* 2002;5:697-704.
8. Kolarik RC, Arnold RM, **Fischer GS**, Hanusa BH. Advance care planning: A comparison of values statements and treatment preferences. *J Gen Intern Med.* 2002; 17:618-624.
9. McTigue K, Hess R, Bryce C, Fitzgerald K, Olshansky E, Sacco D, **Fischer G**. Perception of "healthy" body weight by patients with diabetes. *Diabetes Care,* 2006; 29:695-697.
10. Hess, R, Bryce, CL, McTigue, K, Fitzgerald, K, Olshansky, E, Zickmund, S, **Fischer, G**, The Diabetes Patient Portal: Patient Perspectives on Structure and Delivery. *Diabetes Spectrum,* 2006; 92(2):106-10.
11. **Fischer GS**, Arnold RM. Feasibility of A Brief Workshop on Palliative Care Communication Skills For Medical Interns. *Journal of Palliative Medicine,* 2007; 10(1):19-23.
12. Hess R, Bryce C, Paone S, **Fischer G**, McTigue K, Olshansky E, Zickmund S, Fitzgerald K, Siminerio L. Exploring challenges and potentials of personal health records in diabetes self-management: implementation and initial assessment. *Telemedicine and E-Health,* 2007; 13(5): 23-31.
13. Zickmund SL, Hess R, Bryce CL, McTigue K, Olshansky E, Fitzgerald K, **Fischer GS**. Interest in the use of computerized patient portals: role of the provider-patient relationship. *Journal of General Internal Medicine,* 2008; 23 (Suppl 1): 20-26.
14. Rollman BL, **Fischer GS**, Zhu F, Belnap BH. Comparison of electronic physician prompts versus wait room case-finding on clinical trial enrollment. *Journal of General Internal Medicine,* 2008; 23(4):447-50.
15. Hess R, Santucci A, McTigue K, **Fischer G**, Kapoor W. Patient Difficulty Using Tablet Computers to Screen in Primary Care. *Journal of General Internal Medicine,* 2008; 23(4): 476-480.
16. Olshansky, E, Sacco, D, Fitzgerald, K, Zickmund, S, Hess, R, Bryce, C, McTigue, K, **Fischer, G**. Living with Diabetes: Normalizing the Process of Managing Diabetes. *Diabetes Educator,* 2008; 34(6): 1004-12
17. Bryce, CL, Zickmund, S, Hess, R, McTigue, KM, Olshansky, E, Fitzgerald, K, **Fischer, G**. Value Versus User Fees: Perspectives of Patients Before and After Using a Web-Based Portal for Management of Diabetes. *Telemedicine Journal and E-Health,* 2008; 14(10): 1035-43.
18. Spagnoletti, CL, Bui T, **Fischer, GS**, Gonzaga, AMR, Rubio DM, Arnold RM. Implementation and evaluation of a web-based communication skills learning tool for training internal medicine interns in patient-doctor communication. *Journal of Communication in Healthcare,* 2009; 2(2):159-172.
19. McTigue KM, Conroy MB, Hess R, Bryce CL, Fiorillo AB, **Fischer GS**, Milas NC, Simkin-Silverman LR. Using the Internet to translate and evidence-based lifestyle intervention into practice. *Telemedicine and e-Health,* November 2009, 15(9): 851-858.
20. Kmetik KS, O'Toole MF, Bossley H, Brutico CA, **Fischer G**, Grund SL, Gulotta BM, Hennessey M, Kahn S, Murphy KM, Pacheco T, Pawlson LG, Schaeffer J, Schwamberger PA, Scholle SH, Wozniak G. Exceptions to Outpatient Quality Measures for Coronary Artery Disease in Electronic Health Records. *Annals of Internal*

Medicine, February 2011, 154 (4):227-234.

21. Abdel-Kader K, **Fischer GS**, Johnston JR, Gu C, Moore CG, and Unruh ML. Characterizing pre-dialysis care in the era of eGFR reporting: a cohort study *BMC Nephrology* 2011, 12:12.
22. McTigue KM, Bhargava T, Bryce CL, Conroy M, **Fischer GS**, Hess R, Simkin-Silverman LR, Zickmund S. Patient perspectives on the integration of an intensive online behavioral weight loss intervention into primary care. *Patient Education & Counseling*, May 2011, 83(2):261-4.
23. Abdel-Kader K, **Fischer GS**, Li J, Moore CG, Unruh ML. Automated clinical reminders in the care of CKD: a randomized controlled trial. *American Journal of Kidney Disease*, Dec 2011; 58(6):894-902.
24. Schwarz EB, Parisi SM, Handler SM, Koren G, Cohen ED, Shevchik GJ, **Fischer GS**. Clinical Decision Support to Promote Safe Prescribing to Women of Reproductive-age: A Cluster-Randomized Trial. *J Gen Internal Med*, 2012 Feb 2; PMID:22297687.
25. Rief, JR., Mitchell, GR., Zickmund, SL., Bhargava, TD, Bryce, CL, **Fischer, GS**, Hess, R, Kolb, NR., Simkin-Silverman, LR, McTigue, KM. Promoting patient phronesis: Communication patterns in an online lifestyle program coordinated with primary care. *Health Education & Behavior* 40(3): 311-322. DOI: 10.1177/1090198112452863 published online 14 September 2012.
26. Braddock III CH, Snyder L, Neubauer RL, **Fischer GS**, for the American College of Physicians Ethics, Professionalism and Human Rights Committee and the Society of General Internal Medicine Ethics Committee. The patient-centered medical home: an ethical analysis of principles and practice. *J Gen Intern Med* 28(1):141-6.
27. **Fischer GS**, Hess R, Landeen B, Weimer M, Zeith C, Dong X, Clark S, Roberts M. Electronic Reminders to Patients within an Interactive Patient Health Record. *Journal of Telemedicine and eHealth*, June 2013; 19(6):497-500.
28. Schwarz EB, Parisi SM, Handler SM, Koren G, Shevchik G, **Fischer GS**. Counseling about Medication-induced Birth Defects with Clinical Decision Support in Primary Care, *Journal of Women's Health*. Oct 2013; 22(10): 817-24
29. Lyden JR, Zickmund SL, Bhargava TD, Bryce CL, Conroy MB, **Fischer GS**, Hess R, Simkin-Silverman LR, McTigue KM. Implementing health information technology in a patient centered manner: Patient experiences with an online evidence-based lifestyle intervention. *Journal for Healthcare Quality*. 2013 Sep-Oct; 35(5): 47-57
30. Zieth C, Chia LR, Roberts MS, **Fischer GS**, Clark S, Weimer M, Hess R. The Evolution, Use, and Effects of Personal Health Records: A Narrative Review. *Electronic Journal of Health Informatics*, 2014; 8(2).
31. Hess R, **Fischer GS**, Sullivan SM, Dong X, Weimer M, Zeith C, Clark S, Roberts MS. Patterns of Response to Patient-Centered Decision Support Through a Personal Health Record. *Telemedicine and e-Health*, 2014 Nov; 20(11): 984-989.
32. Rief, J.J., Hamm, M.E., Zickmund, S.L., Nikolajski, C., Lesky, D., Hess, R., **Fischer, G.S.**, Weimer, M., Clark, S., Zieth, C. and Roberts, M.S., 2016. Using Health Information Technology to Foster Engagement: Patients' Experiences with an Active Patient Health Record. *Health communication*, pp.1-10.
33. Conroy MD, Bryce CL, McTigue KM, Tudorascu D, Gibbs BB, Comer D, Hess R, Simkin-Silverman LR, Fischer GS. Promoting weight maintenance with electronic health record tools in a primary care setting: baseline results from the MAINTAIN-pc trial. *Contemporary Clinical Trials*, 54 (2017).

34. Barone Gibbs B, Tudorascu D, Bryce CL, Comer D, **Fischer GS**, Hess R, Huber, Kimberly A, McTigue KM, Simkin-Silverman LR, Conroy, Molly B. Diet and Physical Activity Behaviors in Primary Care Patients with Recent Intentional Weight Loss. *Translational Journal of the American College of Sports Medicine*: 15 September 2017 - Volume 2 - Issue 18 - p 114–121 doi: 10.1249/TJX.0000000000000040
35. Maners RJ, Bakow E, Parkinson MD, **Fischer GS**, Camp GR. UPMC Prescription for Wellness: A Quality Improvement Case Study for Supporting Patient Engagement and Health Behavior Change. [Am J Med Qual](#). 2018 May/Jun;33(3):274-282.
36. Nandiwada DR, **Fischer GS**, Updike G, Conroy MB. Resident and attending physicians' perceptions of patient access to provider notes: Comparison of perceptions prior to pilot implementation. *JMIR Med Ed* 2018 Jun 15;4(1):e15. doi: 10.2196/mededu.8904
37. Bryk J, **Fischer GS**, Lyons A, Shroff S, Bui T, Simak D, Kapoor W. Improvement in quality metrics by the UPMC enhanced care program: a novel super-utilizer program. *Population Health Management*. 21 (3): 217-221 (2018).
38. Natasha Parekh, Elena Lebduska, Erika Hoffman, Amar Kohli,; David Demoise, Kwonho Jeong, Scott Rothenberger, **Gary S. Fischer**, Carla Spagnoletti, Jaishree Hariharan. A Longitudinal Ambulatory Quality Improvement Curriculum that Aligns Resident Education with Patient Outcomes: A Three-Year Experience. *American Journal of Medical Quality*, 2019 Jul 11.
39. Conroy MB, McTigue KM, Bryce CL, Tudorascu D, Barone Gibbs B, Arnold J, Comer D, Hess R, Huber K, Simkin-Silverman LR, **Fischer GS**. Effects of electronic health record-based coaching on weight maintenance: A randomized trial. *Annals of Internal Medicine*, 2019; 171: 777-84.
40. Moerenhout T, **Fischer GS**, Saelaert M, De Sutter A, Provoost V, Devisch I Primary care physicians' perspectives on the ethical impact of the electronic medical record. *The Journal of the American Board of Family Medicine* Jan 2020, 33(1) 106-117.
41. Moerenhout T, **Fischer GS**, Devisch I. The elephant in the room. A postphenomenological case study of the electronic health record and its impact on the clinical encounter. *Medicine, Health Care and Philosophy*, Jun 2020; 23: 227-36.
42. Barone Gibbs B, Tudorascu D, Bryce CL, Comer D, **Fischer GS**, Hess R, Huber KA, McTigue KM, Simkin-Silverman LR, Conroy MB. Lifestyle Habits Associated with Weight Regain after Intentional Loss in Primary Care Patients Participating in a Randomized Trial. *Journal of General Internal Medicine*. August, 2020; DOI: 10.1007/s11606-020-06056-x
43. Bonny Rockette-Wagner, **Gary S Fischer**, Andrea M Kriska, Molly B Conroy, David Dunstan, Caroline Roumpz, Kathleen M McTigue. Efficacy of an Online Physical Activity Intervention Coordinated with Routine Clinical Care: Protocol for a Pilot Randomized Control Trial. *JMIR Research Protocols*, *JMIR Res Protoc* 2020;9(11):e18891
44. Heena Sheth, MD MPH1, Vera Grimes, BS3, Diana Rudge, BS3, Brandon Ayers, BS3, Larry Moreland, MD2, **Gary S Fischer**, MD1, Rohit Aggarwal, MD MS2. Improving Pneumococcal Vaccination Rates in Rheumatology Patients by Using Best Practice Alerts in the Electronic Health Records. Accepted *J Rheum* October 2020

### Reviews, Proceedings, Monographs, Books, and Book Chapters

1. **Fischer GS**. The limitations of secular medical ethics. *Community Ethics: The Newsletter of the University of Pittsburgh University of Pittsburgh Consortium Ethics Program*. 1995; Vol. 2, No. 1, p.4.
2. **Fischer GS**, Arnold RM: Referral to a specialist at another hospital, in Iserson KV, Sanders AB, Mathieu D (Eds): *Ethics in Emergency Care*, 2nd Ed. Tucson, AZ, Galen Press, Ltd, 1995.
3. **Fischer GS**, Arnold RA. Ask the ethicist (case comment involving requests for 'futile treatment'). *Lahey Hitchcock Clinic Medical Ethics Newsletter*. 1996; Vol. 2, No. 3.
4. **Fischer GS**, Tulsky JA, Arnold RM. Communicating a poor prognosis, in Portenoy RK, Bruera E (Eds): *Topics in Palliative Care, Vol 4*. Oxford: Oxford University Press, 2000.
5. **Fischer GS**, Arnold RM, Tulsky JA. Talking to the Older Adult about Advance Directives, *Clinics in Geriatric Medicine*. May 2000; 16(2): 239-54.
6. **Fischer GS**, Arnold RM. Giving bad news. In: Saizow R, editor. Research-based Updates on Medical Interviewing [Internet]. Washington: American Academy on Physician and Patient; 2002. Available from: [www.physicianpatient.org](http://www.physicianpatient.org).
7. **Fischer GS**, Tulsky JA, Arnold RM. Euthanasia and Sustaining Life, Advance Directives. In: Post, Stephen G (Ed): *Encyclopedia of Bioethics, 3rd edition*. New York: Macmillan Reference USA, 2004.
8. **Fischer GS**, Tulsky JA, Arnold RM. Advance directives and advance care planning. In: *Bioethics, 4th Edition*. Edited by Bruce Jennings. Farmington Hills, MI: Macmillan Reference USA, 2014.

### Invited Reviews, Editorials, and Commentaries

1. **Fischer GS**, Arnold RM. Measuring the effectiveness of ethics education (editorial). *J Gen Intern Med*. 1994;9:655-56.

### Published Abstracts

1. Ubel PA, Zell MM, Miller DJ, **Fischer GS**, Peters-Stefani D, Arnold RM. Elevator talk: observational study of inappropriate comments in a public space. *JGIM*. 1994; 9 suppl 2: 99. Oral Presentation at the 17<sup>th</sup> Annual Meeting of the Society of General Internal Medicine, Washington, DC, April, 1994.
2. **Fischer GS**, Alpert H, Stoeckle JD, Emanuel LL. Relationship between goals and treatment preferences in advance directives. *JGIM*. 1994; 9 suppl 2: 93.
3. **Fischer GS**, Alpert H, Stoeckle JD, Emanuel LL. Comparison of physician and patient choices and stability in the medical directive. *JGIM*. 1994; 9 suppl 2: 93.
4. Tulsky JA, **Fischer GS**, Rose MR, Arnold RM. Patient preferences for "futile" treatments after advance directive discussions. *JGIM*. 1995; 10 suppl 4:115. Presentation at the 18<sup>th</sup> Annual Meeting of the Society of General Internal Medicine, San Diego, CA, May 4, 1995.



5. Tulsky JA, **Fischer GS**, Rose MR, Arnold RM. Patient knowledge after advance directive discussions. *JGIM*. 1995; 10 suppl 4:114. Oral Presentation at the 18<sup>th</sup> Annual Meeting of the Society of General Internal Medicine, San Diego, CA, May 4, 1995.
6. **Fischer GS**, Tulsky JA, Arnold RM. Ability of physicians to predict patient treatment wishes after advance directive discussions. *JGIM*. 1995; 10 suppl 4:108. Oral Presentation at the 18<sup>th</sup> Annual Meeting of the Society of General Internal Medicine, San Diego, CA, May 4, 1995.
7. **Fischer GS**, Tulsky JA, Rose M, Arnold RM. Opening the black box: an analysis of discussions about advance directives. *JGIM*. 1996; 11 suppl 1:115. Poster presentation at the 19<sup>th</sup> Annual Meeting of the Society of General Internal Medicine, May 3, 1996.
8. **Fischer GS**. Do actual advance directive conversations fit an ideal "informed consent" based model? Oral Presentation at the Annual Academy Forum, American Academy of Physician and Patient, San Diego, CA, May 7, 1995.
9. **Fischer GS**, Arnold RM, Melcher J, Tulsky JA. A comparison of expert and non-expert communication styles when discussing advance directives. *JGIM*. 1998;13 suppl: 92. Poster presentation at the 21<sup>st</sup> Annual Meeting of the Society of General Internal Medicine, Chicago, IL, April 24, 1998.
10. Kolarik R, Arnold RM, **Fischer GS**, Hanusa B. Advance care planning: A comparison of values statements and treatment preferences. *JGIM* 2001, 16 suppl. Presented at the 24<sup>th</sup> Annual Meeting of the Society of General Internal Medicine, San Diego, CA.
11. **Fischer GS**, Arnold RM. Effectiveness of a brief workshop for residents on delivering bad news and discussing advance care planning. *JGIM*. 2002, 17 suppl: 223. Poster Presentation at the 25<sup>th</sup> Annual Meeting of the Society of General Internal Medicine, Atlanta, GA, May 2, 2002.
12. **Fischer GS**, Roberts MS, Simak D. Improvement in telephone access in an academic general internal medicine practice. *JGIM*. 2002; 17 suppl: 105. Oral Presentation at the 25<sup>th</sup> Annual Meeting of the Society of General Internal Medicine, Atlanta, GA, May, 2002.
13. **Fischer GS**, Ling B, Simak D, Kapoor WN. Increasing utilization of preventative services in an internal medicine clinic. *J Gen Intern Med*. 2004; 19 suppl: 106. Poster presentation at the Annual Meeting of the Society of General Internal Medicine, Chicago, IL, May, 2004.
14. **Fischer G**. Integrating patient web-based access for diabetic patients into office flow. *Telemedicine and e-Health*. 2005; 11:187. Oral presentation at the 10<sup>th</sup> Annual Meeting of the American Telemedicine Association, Denver, CO, April 18, 2005.
15. McTigue K, Hess R, Bryce CL, **Fischer GS**, Katherine F, Olshansky E, Sacco D. Perception of 'healthy' body weight by patients with diabetes. *J Gen Intern Med*. 2005;20 suppl: 187. Poster presentation at the 28<sup>th</sup> Annual Meeting of the Society of General Internal Medicine, New Orleans, LA, May, 2005.
16. **Fischer GS**, Wilson RR, Gadd CS. Patient satisfaction with secure, web-based access to medical record and electronic communication with office. *J Gen Intern Med*. 2005;20 suppl: 49. Poster presentation at the 28<sup>th</sup> Annual Meeting of the Society of General Internal Medicine, New Orleans, LA May 13, 2005.
17. Reilly JB, **Fischer GS**. Evaluation of underutilization of statin therapy in diabetic patients in a general medicine practice. *J Gen Intern Med*. 2005;20 suppl: 45. Poster presentation at the Annual Meeting of the Society of General Internal Medicine, New Orleans, LA, May, 2005.
18. Hess R, McTigue K, Bryce CL, Fitzgerald K, Zickmund S, Sacco D, Olshansky E, **Fischer GS**. A pamphlet's just a pamphlet. *J Gen Intern Med*. 2006; 21(suppl 4): 283. Presented at the Annual Meeting of the Society of

General Internal Medicine, May, 2006.

19. Hall DL, Kapoor WN, **Fischer G**, Fevrier LL, Simak DM. Pharmaceutical Intensive Treatment of Type 2 Diabetes Mellitus (PITT-DM Pilot). *Pharmacotherapy*. 2660;26:e112. Presented at the Annual Meeting of the American College of Clinical Pharmacy, October 26, 2006.
20. Spagnoletti CL, Bui T, **Fischer G**, Gonzaga AM, Arnold RM. Evaluation of a Web-based communication skills learning tool: doc.com. *Journal of General Internal Medicine*. 2008;23(Suppl 2):218. Poster presentation at the 31st Annual Meeting of the Society of General Internal Medicine, Pittsburgh, Pennsylvania, April 2008.
21. Bhargava T, McTigue KM, Bryce C, Conroy M, Fiorillo A, **Fischer G**, Hess R, Meiksin R, Simkin-Silverman L, Zickmund S. Patient satisfaction with an Internet-based approach to translating a proven lifestyle intervention into clinical practice. Oral Presentation at the CDC Diabetes Translation Conference, April 2009.
22. **Fischer GS**; Donehoo J; Mcneil MA; Riley J; Simak D; Kapoor WN. Pharmacist Outreach To Recently Discharged Clinic Patients. Oral Presentation at the Annual Meeting of the Society of General Internal Medicine, May 15, 2009.
23. **Fischer GS**, Zielinsky C, Aspinall A, Fiorillo A. Pilot of ePrescribing in a General Internal Medicine Clinic. Poster presentation at the Annual Meeting of the Society of General Internal Medicine, May 15, 2009.
24. Woytowish MR, Hall DL, Donehoo JP, **Fischer GS**. Utilization of a student pharmacist to develop a pharmacist-managed hypertension clinic within a primary care practice. Presentation at the Midyear Clinical Meeting of the American Society of Healthsystem Pharmacists, December, 2009
25. McTigue K, Bhargava T, Bryce C, Conroy M, **Fischer G**, Simkin-Silverman L, Zickmund S. Patient preferences for features of an online interactive behavioral weight loss program. Poster presentation at the Annual Meeting of the Society of General Internal Medicine, May 1, 2010.
26. Schwarz EB, Parisi SM, Handler SM, Koren G, Kapoor WN, **Fischer GS**. Use of computerized decision support to promote counseling about risk of medication-induced birth defects. Presented at the First European Congress on Preconception Care and Health, Brussels, Belgium, October, 2010.
27. Parisi SM, Handler SM, Gideon K, **Fischer GS**, Schwarz EB. Clinical Decision Support To Promote Safe Prescribing To Women Of Reproductive Age: Differential Effects By Subgroup. Poster presentation at the 33rd Annual Meeting of the Society for Medical Decision Making, Chicago, IL. October 23, 2011.
28. Schwarz EB, Parisi SM, **Fischer G**, Handler SM, Hess R. Effect of a "Contraceptive Vital Sign"; in Primary Care: a Randomized Controlled Trial. *Contraception*, August, 2010.
29. Conroy MB, Bhargava T, Tudorascu D, Karpov I, Boan J, Hess R, **Fischer GS**, Simkin-Silverman LR, McTigue KM. Defining and Predicting Adherence to an Online Lifestyle Program: 12-Month Results from the PHIT Study. *Circulation* .2012; 125: AP138. Poster Presentation at the Scientific Sessions of Epidemiology and Prevention/Nutrition, Physical Activity and Metabolism 2012 Scientific Sessions. San Diego, CA. March 13, 2012.
30. Hess R, **Fischer GS**, Weimer M, Clark S, Zieth C, Dong X, Roberts M. Intensity of Messaging Necessary to Encourage Patients to Access the PHR: Preliminary Results from the SMART- PHR Study. Poster presentation at the Annual Meeting of the Society of General Internal Medicine, May 11, 2012.
31. Roberts M, Hess R, **Fischer GS**, Clark S. Self Management And Reminders with Technology: SMART use of a Personal Health Record (PHR). Poster presentation at Medicine X 2012, Standord, CA, September 29, 2012.
- 32.

33. McTigue KM, Simkin-Silverman LR, Conroy MB, Tudorascu DI, Hess R, **Fischer G**, Bryce, C. Online counseling to enable lifestyle-focused obesity treatment in primary care. Poster presentation at the 37<sup>th</sup> Annual Meeting of the Society for General Internal Medicine National Meeting; April 23, 2014; San Diego, CA.
34. McTigue KM, Conroy MB, Simkin-Silverman LR, Tudorascu DL, Hess R, **Fischer G**, Bryce, C. Provider response to online self-management support for obesity integrated with primary care. Poster presentation at the 37<sup>th</sup> Annual Meeting of the Society for General Internal Medicine National Meeting; April 23, 2014; San Diego, CA
35. Scanlan B, Conroy MB, Tudorascu DL, Karpov I, Hess R, **Fischer GS**, Simkin-Silverman LR, McTigue KM. Association of Adherence Measures with Physical Activity Outcomes in an Online Weight Loss Trial: Results from the OCELOT study. Poster presentation at the 37<sup>th</sup> Annual Meeting of the Society of General Internal Medicine, San Diego, CA, April 23, 2014.
36. **Fischer GS**, Riley J, Dittoe P, Hall J. Multidisciplinary Huddles to Improve Care and Reduce Costs for High Cost Patients in a Shared Savings Program. Poster presentation at the 37<sup>th</sup> Annual Meeting of the Society of General Internal Medicine, San Diego, CA, April 23, 2014
37. Hanna R, **Fischer GS**, Conroy MB, Simkin-Silverman LR, Hess R, McTigue KM. Technology access and computer skills in online self-management support. Poster presentation at the 38<sup>th</sup> Annual Meeting of the Society of General Internal Medicine, Toronto, ON, April 23, 2015.
38. Hariharan J, Parekh N, Mihm J, Donehoo J, Murphy C, Simak D, **Fischer GS**. Complete care model for diabetes care within a Patient Centered Medical Home – Pre-visit planning, At-visit. Poster presentation at the 38<sup>th</sup> Annual Meeting of the Society of General Internal Medicine, Toronto, ON, April 23, 2015.
39. Parekh N, Hess R, Poindexter M, Jimenez-Gutierrez E, **Fischer GS**. The buddy system in diabetes self-management: A pilot project. Poster presentation at the 38<sup>th</sup> Annual Meeting of the Society of General Internal Medicine, Toronto, ON, April 23, 2015.
40. Shroff S, Bryk J, **Fischer GS**, Simak D, Wickline D, Peele P, Kapoor WN. Enhanced Care Program: A model for complex care management.
41. Hariharan J, **Fischer GS**, Simak D. Comprehensive care model For diabetes within a primary care clinic: pre-visit planning, at-visit efficiency, and inter-visit care. *BMJ Qual Saf* 2015; 24:11 729-30.
42. Nandiwada DR, **Fischer GS**, Updike G, Conroy MB. My patient can read my note? Resident and attending perceptions of patient access to physician open notes. Annual Meeting of the Society of General Internal Medicine, Hollywood, FL., May 11, 2016.
43. Shroff S, Bryk J, **Fischer GS**, Simak D, Wickline D, Peele P, Kapoor WN. Enhanced care program, a model for complex care management: preliminary outcome. Annual Meeting of the Society of General Internal Medicine, Hollywood, FL., May 12, 2016.
44. Shroff S, Jeong K, Rubio D, Donovan A, Rosenfeld E, **Fischer GS**. Improving chlamydia screening in an academic primary care clinic. Annual Meeting of the Society of General Internal Medicine, Hollywood, FL., May 12, 2016.
45. Maduka S, Tudorascu D, McTigue KM, Bryce CL, Huber K, Simkin-Silverman LR, Comer D, Hess R, **Fischer GS**, Conroy MB. Perceptions of social support in persons with medical co-morbidities and associations with intentional weight loss: results from the MAINTAIN-pc Study. Annual Meeting of the Society of General Internal Medicine, Hollywood, FL., May 12, 2016.

- 45 Conroy MB, Barone Gibbs B, Tudorascu D, McTigue KM, Bryce CL, Huber K, Simkin-Silverman LR, Comer D, Hess R, **Fischer GS**. Dietary Habits in Primary Care Patients with Recent Intentional Weight Loss. AHA Epi/Lifestyle scientific meeting, March 2017, Portland, OR. Accepted poster presentation.
- 46 Arnold J, Tudorascu D, McTigue KM, Bryce CL, Huber K, Simkin-Silverman LR, Comer D, Hess R, **Fischer GS**, Conroy MB. Provider interest in lifestyle tracking within HER: data from the MAINTAIN-PC study. Society of General Internal Medicine Annual Meeting in Washington DC, April 19-22, 2017. (Poster)
- 47 Kota K, **Fischer GS**. Three habits of highly effective residents in outpatient clinic. Society of General Internal Medicine Annual Meeting in Washington DC, April 21, 2017. (Poster)
- 48 Rollman BL, Belnap BH, Anderson AM, **Fischer, G**. Automated Electronic Medical Record Alerts Are A More Efficient And Effective Strategy Than Traditional Waitroom Case-Finding At Identifying Anxious Primary Care Patients To Enroll Into A Clinical Trial. Society of General Internal Medicine Annual Meeting, Denver CO, April, 2018.
- 49 Conroy M, Mctigue, K, Bryce C, Tudorascu D, Barone Gibbs B, Arnold J, Comer D, Hess R, Huber K, Simking-Silver L, **Fischer G**. Promoting weight maintenance through electronic health record-based coaching in a primary care setting: 24-month results from the MAINTAIN-pc trial. Oral abstract presentation at Society for General Internal Medicine Annual Meeting, Denver CO, April, 2018.
- 50 Arnold J, Tudorascu D, McTigue K, Bryce C, Simkin-Silverman L, Hess R, **Fischer G**, Conroy M. Online lifestyle tracking only improves weight outcomes in conjunction with coaching support: results from the MAINTAIN-pc study. Oral abstract presentation at Society for General Internal Medicine Annual Meeting, Denver CO, April, 2018.
- 51 Nikiforova T, **Fischer G**, Spagnoletti C, Xie M, Rothenberger S, Jeong K, Hariharan J. Peer-2-Peer: A novel strategy for teaching HER preparedness in residency ambulatory clinic. Poster presentation at Society for General Internal Medicine Annual Meeting, Denver CO, April, 2018.
- 52 **Fischer G**, Moerenhout T, Saelaert M, Sutter AD, Provoost V, Devisch I. "An incredible tool with many flaws." Primary care physicians' attitudes toward electronic health records: an interview study. Poster presentation at Society for General Internal Medicine Annual Meeting, Washington, DC, May 2019
- 53 Bhatia R, Lenhart Z, Lynch P, Tran D, Cunningham J, **Fischer G**, Hariharan J. Getting patients in the door: Using machine learning to increase patient engagement in resident continuity clinic. Poster presentation at Society for General Internal Medicine Annual Meeting, Washington, DC, May 2019
- 54 Larsen S, Cedillo M, Kukhareva P, Bryce C, Gibbs BB, Arnold J, Hess R, Simkin-Silverman L, **Fischer G**. Perceived support during and after a weight loss maintenance intervention: secondary analysis from the MAINTAIN-pc trial. Poster presentation at Society for General Internal Medicine Annual Meeting, Washington, DC, May 2019
- 55 Lu A, Rothenberger S, **Fischer G**, Dunn M, Hasley P. Redefining the role of primary care providers in care of liver transplant recipients: A case study of the primary-subspecialty care interface. Poster presentation at Society for General Internal Medicine Annual Meeting, Washington, DC, May 2019
- 56 **Fischer G**, Cunningham J, Lenhart Z, Arnold A, Hariharan J. Implementing transitional care management: Getting paid for coordinating successful transitions. Poster presentation at Society for General Internal Medicine Annual Meeting, Washington, DC, May 2019
- 57 Conroy M, Bryce D, Tomko H, Mctigue KM, Arnold J, **Fischer G**, Gibbs BB, Hess R, Huber K, Simkin-Silverman L, Tudorascu D. Cost-effectiveness of an electronic health record-based intervention to prevent

58 weight regain. Oral abstract presentation at Society for General Internal Medicine Annual Meeting, Washington, DC, May 2019

59 Sheth H, Grimes VD, Rudge D, Fischer GS, Moreland L, Aggarwal R. Improving Pneumococcal Vaccination Rates in High Risk Rheumatology Patients. Oral abstract presentation by Dr. Sheth at 2019 ACR/ARP Annual Meeting, Atlanta GA, November, 2019.

Hariharan J, Lenhart Z, Cunningham J, Sodini B, Tran D, **Fischer G**. "From No-Show to Arrived": Using machine learning to bolster resident continuity-clinic appointments. Accepted for oral presentation at IHI Scientific Symposium, Institute for Healthcare Improvement National Meeting, Boston MA, December 2019.

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#### PROFESSIONAL ACTIVITIES: ADMINISTRATION

- 1999-present Medical Director, Ambulatory Services, General Internal Medicine – Oakland. Provide medical leadership and oversee quality improvement activities for practice of approximately 40 faculty and 55 residents.
- Accomplishments:
- One of the first outpatient departments at UPMC to successfully implement EpicCare (1999)
  - Pioneered the development and use of clinical decision-support in EpicCare in the outpatient setting at UPMC.
  - Diabetes CQI program with quarterly monitoring since 2002 led to increase in recommended testing (including increase in nephropathy testing (49-91%), eye exams (44-65%), and foot exams (30-80%)) and increased statin usage and improved control.
  - Prevention CQI program with quarterly monitoring since 2002 led to increases in recommended services (including pneumococcal vaccine (13-92%), mammograms (65-79%), and colorectal cancer screening (65-77%).
  - Development of an index of approximately 20 clinical quality measures for faculty quality incentive payment.
  - QI project to improve phone access, implementing a novel firm system, resulting in decrease in wait time on phone from 2.3 to 0.15 mins, and a decrease in call abandonment from 238 calls per day to close to zero. (2001)
  - QI project to improve turnaround time for patients having labs drawn from 27 mins to 12 mins (2001).
  - Pioneered the usage of MyChart, the patient portal at UPMC (2003) including direct scheduling.
  - Met Meaningful Use Stage 1 standards for all eligible physicians (2011).
  - Achieved NCQA Physician Recognition for Diabetes Care for 12 faculty physicians in

2010 and for 13 physicians upon renewal in 2013, based in part on processes of care adopted by the practice.

- Achieved NCQA Certification as Level 3 Medical Home in 2009 with renewal in 2012.
- Practice awarded a silver award from UPP for Outstanding Achievement in Patient Satisfaction (2007).
- Implementation of written care plans for patients with diabetes, hypertension, or tobacco use (2012).
- Implementation of process to track major and high-risk tests (radiology, cardiology, GI) and certain consults to completion (year before first medical home).
- Comprehensive hypertension management program including written protocols, option for protocol-driven medication titration by pharmacist, detailed patient instructions for home blood pressure monitoring with standards for recording 5-day averages in the medical record, clear standards for blood pressure checks by MA, and standards for nurse visits for BP checks.
- Continuous and on-going work to refine the care-management team which includes certified diabetes educator, nurse educator, pharmacist, social worker, UPMC Health Plan practice-based case manager, and nutritionist.
- Implementation of pharmacist in the clinic for medication education (including insulin and inhalers), assistance with financial issues, polypharmacy, medication reconciliation, and titration of medications for hypertension.
- Suboxone clinic staffed by general internists licensed to prescribe suboxone for opioid dependence (2012-present).
- Collaboration with Dermatology to provide Teledermatology services, so that patients can have skin lesions assessed by a dermatologist at the time of their GIM visit (2013).
- Initiation of monthly firm huddle meetings with firm physicians, nurses, firm secretary, and the care team to discuss patient issues that require a multi-disciplinary approach (2013).
- Initiation of patient-focused huddles for high risk patients, including PCP, firm nurse, secretary, and care team, for identified complex patients at risk for hospitalization or poor outcomes, preceded by analysis by the UPMC HP practice-based care manager.(2013)
- Reorganization of care to allow phone nurses to address health maintenance and chronic disease recommended services during phone encounters for other purposes to improve compliance with these services.
- Development of pilot for Enhanced Care, in which a team including a physician, nurse case manager, and psychologist, in coordination with UPMC Health Plan mobile team, will care for patients with a history of high utilization and poor health outcomes.(2014)
- Entered shared savings plan with the UPMC Health Plan resulting in a gain payment of over \$400,000 in the first six months of the program.(2013)

2005-2007 Medical Director, UPMC HealthTrak, the patient portal. As first medical director of UPMC's patient portal, led the effort to establish policies, procedures, and promote use. Promoted academic study of impact of portal.

- 2005-2008 Director, Internal Medicine Residency Clinic, UPMC and University of Pittsburgh
- 2007-2015 Associate Medical Director, Ambulatory eRecord, Physicians Services Division of UPMC. Provide physician leadership into configuration, design, and implementation of the ambulatory EMR with emphasis on clinical decision support, reporting, dashboards, and use in research. In this role, I facilitated research using the eRecord and the Patient Portal and advised the following researchers in their research plans:
- Dr. Bruce Rollman
  - Dr. Kathleen McTigue
  - Dr. Rachel Hess (later named Medical Director of Patient Reported Information for UPMC eRecord)
  - Dr. Eleanor Schwartz (later named Medical Director of eRecord Evaluation at UPMC)
  - Dr. Molly Conroy
  - Dr. Khaled Abdel-Kader
  - Susan Wieczorek (Communications PhD candidate)
  - Olufunmilola Odukoya MS, PhD
- 2011-2015 Vice Chair, Quality Improvement and Patient Safety, Department of Medicine  
Selected Accomplishments:
- Design and development of Quality Incentive Reports for Division Clinical Quality Incentive program.
  - Institution of monthly Physician Nurse Leadership meetings for the Department of Medicine Hospitalist Service (UPMC-Presbyterian-Montefiore)
  - Creation and Chair of Department of Medicine Quality Council, a monthly meeting where clinical leaders in various divisions can discuss Quality Improvement projects
  - Provide support and advice for Quality Improvement projects in the various Divisions in the Department of Medicine
- 2011-present Co-director, Leadership and Discovery (LEAD) Program for Resident Research, Internal Medicine Residency Program, UPMC
- 2016-present Associate Chief medical Information Office, UPMC
- Responsible for medical oversight of Population Management, Reporting, Analytics and Clinical Decision Support in the ambulatory electronic health record.

### **PROFESSIONAL ACTIVITIES: TEACHING**

#### **Teaching of Medical Students at the University of Pittsburgh and Affiliated Hospitals**

- 1993-2006 Facilitator, Pediatric Ethics Case Conferences, Pediatric Internal Medicine Clerkship, approximately 4 one-hour sessions yearly
- 1993-2012 Facilitator, Ob-Gyne Ethics Case Conferences, Obstetrics and Gynecology Clerkship, approximately 1-4 one-hour conferences yearly.

1993-present	Facilitator, Internal Medicine Ethics Case Conference, Adult Internal Medicine Clerkship, approximately 6-8 one hour sessions yearly.
1994-1995	Facilitator, Physical Diagnosis, 4 afternoon sessions with first and second year medical students yearly
1994-1995	Inpatient ward attending, Oakland VA Medical Center, Adult Internal Medicine Clerkship, 3-5 third-year medical students a year
1994-1995	Facilitator, Medicine, Ethics, and Society, second-year medical students.
1995-present	Inpatient ward attending, UPMC-Montefiore, Adult Internal Medicine Clerkship, 4-8 weeks a year, 2-6 third-year students a year.
1995-present	Inpatient ward attending, UPMC-Montefiore, Acting Internship in Internal Medicine, 4-6 weeks a year, 1-3 fourth year students a year.
1995-present	Lecture, "Conflict of Interest," Ethical Issues in Clinical Practice (MSELCT 5854 X), 1-13 fourth-year medical students.
1997	Lecture, "Advance Directives," Medicine, Ethics, and Society, second-year medical students.
2000	Facilitator, Basic Physical Diagnosis, taught basic physical diagnosis to 5 first year medical students (4 four-hour sessions)
2001-2002	Small group facilitator, Medicine, Ethics, and Society, second-year medical students.
2002	Facilitator, Medicine, Ethics, and Society, second-year medical students.
2005	Lecture, "Engaging the Patient in Patient Care Using Information Technology," Basic Science of Care, 2005, second year medical students.
2006	Lecture, Connecting Doctors and Patients: A Vision for Integrating Personal Health Record and Electronic Health Record," Basic Science of Care, November, 2006, second-year medical students.
2006	Facilitator, Ethics Law and Professionalism, five small group sessions, first year medical students.
2008	Facilitator, Basic Science of Care, second-year medical students.
2013-2014	Facilitator, "Confronting Cost Control/Reduction- Comparative Resource Utilization by Physicians and Groups," as part of half-day course "Practicing Medicine – What Awaits Your?" 3 groups of 10 fourth-year medical students.
2013-2014	Facilitator, "Male Genital Physical Exam," Physical Diagnosis, 2 sessions yearly, 2 <sup>nd</sup> year medical students
2014-Present	Facilitator, "Practicing Medicine, What Awaits You?", 1session a year, group of 4 <sup>th</sup> year medical students.

### Teaching of Residents at the University of Pittsburgh and Affiliated Hospitals



1993-1995	Preceptor, General Internal Medicine Resident Clinic, UPMC Falk Clinic
1993-present	Facilitator, Intensive Care Unit Ethics Case Conferences, UPMC Montefiore, approximately 4-8 30 minutes sessions yearly.
1994-1995	Inpatient ward attending, Oakland VA Medical Center, internal medicine wards.
1995-2004	Course director and Facilitator, "Medical Interviewing," Categorical Internal Medicine Interns, 2-5 interns, 4 sessions a month during ambulatory block – didactic session on interview skills and video tape review of actual patient encounters.
1995-present	Inpatient ward attending, UPMC-Montefiore, internal medicine wards, 4-8 weeks a year.
1995-2014	Lecturer, Intern Pre-Clinic Conference, UPMC-Montefiore, 4-6 topics yearly (each topic delivered to 4 separate groups of interns). Topics include "Effective Use of the Electronic Health Record," "Diabetes Standards of Care," "Evaluation of Headaches," "Treatment of Headaches," "Diabetes Diagnosis and Screening," "Aspirin for Primary and Secondary Prevention," "Evaluation of Patient with Palpitations," "Smoking Cessation Counselling"
1995-2014	Lecturer, Resident Pre-Clinic Conference, UPMC-Montefiore, 4-6 topics years (each topic delivered to 3-4 separate groups of 2 <sup>nd</sup> and 3 <sup>rd</sup> year residents). Topics include "Use of Electronic Health Record to Enhance Quality of Care," "EpicCare Refresher Training," "Orientation to Billing," "Advance Directives," "Erectile Dysfunction," "Outpatient Management of Chronic Renal Insufficiency," "Irritable Bowel Syndrome," "Saying Goodbye to Patients," "Quality Improvement," "Telephone Medicine,"
1996-1999	Preceptor, General Internal Medicine residents. Precepted residents who saw patients in my UPMC satellite office-based practice two 4-hour session a week.
1996-2005	Course Director and Facilitator, "The Doctor Patient Relationship and Medical Ethics Seminar Series," Primary Care Internal Medicine Interns, seven 4-hour sessions devoted to discussions in medical ethics and communication skills and video tape review of actual patient encounters.
1996-2009	Small group facilitator, Resident Team Leadership and Teaching Skills Retreat, two half-day sessions a year, approximately 10 2 <sup>nd</sup> year residents per session.
1999-2006	Preceptor, General Internal Medicine residents, UPMC Montefiore, one half-day session approximately 26 weeks a year.
2000-2004	Course director and Facilitator, "Advanced Medical Interviewing," Categorical Internal Medicine Residents (PGY-2, 3). 4 sessions a month during ambulatory block focusing on video-tape review of actual patient encounter.
2000-2013	Facilitator, "Palliative Care Communication Workshop," three-hour workshop for 2-5 internal medicine interns, 4-8 times a year.
2006	Lecturer, "Code Status Discussions," Resident Noon Conference, UPMC Montefiore and Oakland VAMC
2006	Lecturer, "Pain Theater," Resident Noon Conference, UPMC Montefiore and Oakland VAMC
2007	Lecturer, "Taking about Code Status," Resident Noon Conference, UPMC-Montefiore

- 2007 Lecturer, "Pain Theater: Negotiating in Difficult Circumstances – (Getting to Yes; Getting to No)," Noon Conference, UPMC-Montefiore and Oakland VAMC
- 2008 Lecturer, "Talking About Code Status," Noon conference, UPMC-Montefiore and Oakland VAMC
- 2008 Lecturer, "R U OK? eMessaging in Medicine," Resident Noon Conference, UPMC-Montefiore and Oakland VAMC
- 2008 Lecturer, "Delivering Bad News," Resident Noon Conference, UPMC-Montefiore and Oakland VAMC
- 2009 Lecturer, "Code Status," Resident Noon Conference, UPMC-Montefiore and Oakland VAMC
- 2010 Lecturer, "Pain Theater" Noon Conference, UPMC-Montefiore and Oakland VAMC
- 2010 Lecturer, "Advance Directives," Noon conference, UPMC-Montefiore and Oakland VAMC
- 2013 Lecturer, "Physician Reimbursement: How Physician Services Are Valued and Why It Matters," Resident Noon Conference, UPMC-Montefiore and Oakland VAMC
- 2014-present Lecturer, Intern Orientation and Resident Pre-Clinic Conference, EpicCare instruction and Advanced EpicCare.

#### **Teaching of Fellows at the University of Pittsburgh and Affiliated Hospitals**

- 2006-present Facilitator, various sessions throughout the years including "Teaching in Real Time: Goal-Setting and Intervening," "Teaching in Real Time: Debriefing the Intervention," "Teaching Communication Skills with Video-Tape Review," "Evaluation and Professional Development," MEDEDU 2250: Teaching to Teach Communication Skills, Clinical Educator Training Program, Institute for Clinical Research Education, University of Pittsburgh. Fellows and Junior Faculty.
- 2007 Facilitator, "Discussing Goals of Care" small group session with Palliative Care Fellows
- 2008-2012 Facilitator, Neonatal ICU Ethics Case Conferences, Magee Women's Hospital, 1-2 one-hour conferences yearly with NICU fellows.
- 2016 Lecturer, "Deciding for Those Who Can't Decide", Geriatric Psychiatry and Medicine Fellows

#### **Teaching of Other Professional Students at University of Pittsburgh**

- 1997 Lecturer, "Medical Perspectives on Advance Directive Documents," Alternative Dispute Resolution Course, University of Pittsburgh School of Law

- 2002 Lecturer, "Medical Perspectives on Advance Directive Documents," Alternative Dispute Resolution Course, University of Pittsburgh School of Law
- 2009 Lecturer, "Disease management, case management, and collaborative care models for patients with complex chronic disease," in CLRES2900 Transforming Practice for Improved Health Care (Institute for Clinical Research Education).
- 2010-2011 Lecturer, "Ambulatory Electronic Health Records (2011)," and "Engaging the Patient with Patient Portals (2010-11)," BIOINF2117 Applied Medical Informatics, Bioinformatics Graduate Students.
- 2011 Lecturer, "Ambulatory Electronic Health Records," BIOINF2117 Applied Medical Informatics, Bioinformatics Graduate Students

### **Faculty Development and Journal Club Presentations the University of Pittsburgh**

- 1993-present Presenter, General Internal Medicine Journal Club, 1-3 times yearly. Selected topics "Does Skin Cancer Screening Save Lives?" "Outpatient Electronic Health Records and the Clinical Care and Outcomes of Patients with Diabetes Mellitus," "Cumulative Probability of False-Positive Recall or Biopsy Recommendation After 10 years of Screening Mammography: A Cohort Study," "Prostate Cancer Screening, Revisited," "Patient-Centered Medical Home Demonstration: A Prospective Quasi-Experimental, Before and After Evaluation," "Meta-Analysis of Probiotics for the Prevention of Antibiotic Associated Diarrhea and the Treatment of Clostridium difficile Disease."
- 1998 "Setting Advance Directives" – Faculty Development Seminar, Division of General Internal Medicine, University of Pittsburgh, March 25, 1998
- 2011 Facilitator, "Pain Theater 201: A Faculty Training on Communicating about Opioid Prescribing," Pittsburgh, PA, February 8, 2011
- 2015 Facilitator, "EpicCare Training for Internal Medicine Faculty", Pittsburgh, PA, August 7, 14, 21, 28, 2015

### **Teaching Products**

- 1995-2004 Medical Interviewing Curriculum – Developed curriculum, involving didactic sessions and video tape review of actual patient encounters, to teach categorical internal medicine interns basic interviewing skills. Delivered in four 4-hour sessions throughout the year during Ambulatory Block. Curriculum continually revised over the years.
- 1996-2005 The Doctor-Patient Relationship and Medical Ethics Seminar Series Curriculum – Developed curriculum for seven 4-hour seminar sessions devoted to teaching primary care internal medicine interns relevant topics in medical ethics and patient-doctor communication skills. Developed syllabus, selected readings, invited guest lecturers, standard approach to video-tape review. Syllabus was revised regularly over the years.
- 2000 Advance Medical Interviewing Curriculum -- Adapted the Medical Interviewing curriculum to the needs of 2<sup>nd</sup> and 3<sup>rd</sup> year residents, with more focus on solving difficult communication problems through guided video tape review and reflection. Delivered in four 4-hour sessions throughout the year during Ambulatory Block.

2000 Palliative Care Communication Workshop – Partnered with Dr. Robert Arnold to develop a three-hour workshop designed to teach medical interns how to deliver bad news and discuss advance care plans. Workshop involved small group discussion and role-playing.

### PROFESSIONAL ACTIVITIES: MENTORING AND ADVISING

#### Advising at the University of Pittsburgh and Affiliated Hospitals

1998-2000 Advisor, Faculty and Students Together (FAST), School of Medicine

2005-2007 Advisor, internal medicine residents, in the Internal Medicine Residency Mentorship Program.

#### Mentoring at the University of Pittsburgh and Affiliated Hospitals

2004-2005 Mentor, Jonathon Reilly, MD. Mentor as a resident in internal medicine. Project: Evaluation of underutilization of statin therapy in diabetic patients in a general medicine practice.

2008-2012 Mentor, Khaled Abdel-Kader, MD. Mentor as a fellow in nephrology and assistant professor of medicine. Project: Use of Electronic Health Record to Study Patterns of Care in Chronic Kidney Disease. Also Co-mentor on K29: Developing, Validating, and Implementing a CKD predictive model (DELVECKD)

2009-2015 Mentor, Susan Wieczorek. Mentor as a doctoral candidate in communications for her dissertation project on A Descriptive Analysis of Physician/Patient Electronic Communication.

2013-2015 Mentor, Natasha Parekh, MD. Mentor as resident in internal medicine. Project: Implementing and Evaluating the Buddy System in Diabetes Self Management.

2013-present Mentor, Jaishree Hariharan, MD. Mentor as Director of Quality Improvement, General Internal Medicine Ambulatory Clinic.

2014 Mentor, Olufunmilola Odukoya, MS, PhD. Co-mentor for K01 (pending) as junior faculty in school of pharmacy. Project: Investigation of Physicians' Perspective on ePrescribing.

2014-present Mentor, Jody Bryk, MD. Internal Medicine Faculty. Project: Design and implementation of Ambulatory Intensive Care for At-Risk Patients.

2014-present Mentor, Reem Hanna, Internal Medicine Resident. LEAD Project: Measuring and Improving Quality in a Refugee Population.

2014-present Mentor, Karthik Kota, Internal Medicine Resident. Project: Use of Games to Improve Diabetes Outcomes

2014-2015 Mentor, Eloho Ufomata, Internal Medicine Resident. LEAD Project: Breast Cancer Screening Shared Decision-Making: An Evidence-Based Patient Handout.

2014-2015 Mentor, Elena Lebduska, Internal Medicine Fellow. Project: Resident Education in Quality Improvement

2014-2016 Mentor, Swati Shroff, Internal Medicine Fellow. Project: Evaluating the Enhanced Care Program, a model for Ambulatory Intensive Care"

2015-2016	Mentor, Philip Sutera, Medical Student. Project: Quality Improvement regarding Chronic Disease Clinic for Underserved (Birmingham Clinic)
2015-2017	Mentor, Novelette Akinseye-Affum, Internal Medicine Resident. Project: Improving Advance Care Planning in General Internal Medicine clinic.
2017-2018	Mentor, Dr. Tania Moerenhout, Visiting Medical Ethics student from Belgium, Project: Philosophical issues of electronic communication with patients and use of Electronic Health Records.
2017-2019	Mentor, Jonathon Arnold, General Internal Medicine fellow. Informatics projects
2018-2020	Mentor, Michele-Inh Nguyen, Internal Medicine Resident. LEAD project: Testing different designs for ambulatory decision support.
2018-2020	Mentor, Clark Veet, General Internal Medicine fellow, Quality Improvement and Informatics.
2020-	Mentor, Bonnie Rockette-Wagner, PhD, NHLBI-K01 – Clinical Referral to Activity Study (Active GOALS)

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### PROFESSIONAL ACTIVITIES: PATIENT CARE

1995-1999	Staff Physician, UPMC Internal Medicine Satellite Clinic at University Center. Provided outpatient care 4 days a week, admitted patients to UPMC Presbyterian-Montefiore and UPMC Shadyside.
1999-present	Staff Physician, UPMC Presbyterian-Montefiore. Outpatient care 2-4 half-day sessions a week, 4-8 weeks per year as inpatient attending

### PROFESSIONAL ACTIVITIES: RESEARCH

#### Previous Grant Support

Years	Grant Number and Title	Project Role	Source	Amount
2009-2013	R18HS018155-01 Online Counseling to Enable Lifestyle-focused Obesity Treatment in Primary Care	Co-Investigator (2.5%)	AHRQ	\$241,374
2009-2012	1R18HS017794-01 Self-Management & reminders with Technology: SMART Appraisal of an Integrated PHR	Co-Investigator (15%)	AHRQ	\$1,184,295
2007-2010	W81XWH-04-2-0030 <u>Diabetes Prevention and Treatment Program for Western Pennsylvania</u>	Co-Investigator (5%)	USAMRAA (US Army)	\$132,051

2007-2010	1R18HS017093-01 Harnessing Health IT to Prevent Medication-Induced Birth Defects	Co-Investigator (5%)	AHRQ	Approx. \$1,200,000
2008-2009	R18HS017160 Cardio HIT Phase II	UPMC Physician Site Clinical Director (2%, in kind)	AHRQ	Approx. \$26,000
2008-2009	Automated Clinical Reminders in Chronic Kidney Disease	Co-Investigator (2.5%)	UPMC eRecord Clinical Informatics, Quality, and Safety Initiative	\$50,000
2006-2008	Cardio-HIT: Physicians Advancing Health Information Technology to Improve Cardiovascular Care	Site Physician Clinical Director (UPMC) 5% (in kind)	Physician's Foundation for Health System Excellence and the AMA Foundation	\$50,000
2007-2009	W81XWH-04-2-0030 Diabetes Prevention and Treatment Program for Western Pennsylvania	Co-Investigator 5% effort	USAMRAA (US Army)	\$132,051
2006-2007	Interventions to Increase Patient Portal Utilization	PI, 5% (in kind)	UPMC eRecord Clinical Informatics, Quality, and Safety Initiative	\$59,325
2006-2007	W81XWH-04-2-0030 Diabetes Prevention and Treatment Program for Western Pennsylvania: Evaluation of a Diabetes Patient Portal	Co-I (5%)	USAMRAA (US Army)	\$185,911
2004-2006	Diabetes Prevention and Treatment Programs in Western PA. Subproject: Evaluating the Diabetes Patient Portal	Co-I (5%)	Us Air Force	\$150,000
2004-2006	Diabetes Prevention and Treatment Programs in Western PA. Subproject: Pharmacist Intensive Treatment of Type II Diabetes Mellitus	Co-I	US Air Force	
1996-1998	Evaluating Health Providers' Communication with Terminally Ill Patients Using Standardized Patient Scenarios	PI (10%)	Open Door Society	\$29,785
1996-1997	How Do Experts Talk to Their Patients About Advance Directives	Co-Investigator (10% in kind)	Greenwall Foundation	\$22,926

### Current Grant Support

Years	Grant Number and Title	Project Role	Source	Amount
2019-2022	Kaiser Permanente NW Research Institute/PCORI Shared Decision Making for Bariatric Surgery in Patients with Severe Obesity	Co-Investigator (10%)	PCORI	
2018-2023	1 R01 DK116957-01A1 PopulAtioN health management to OPTimize Care in CKD (PANOPTIC-CKD)	Co-Investigator	NIH	

2018-2021	Provider-Targeted Behavioral Interventions to Prevent Unsafe Opioid Prescribing for Acute Non-Cancer Pain in Primary Care	Co-Investigator	PCORI	
2016-2020	STOP STDs	Co-Investigator (5%)	CDC Foundation	
2012-2017	R18HS21162-01A1 Maintaining Activity and Nutrition through Technology-Assisted Innovation in Primary Care (MAINTAIN-PC).	Co-Investigator (5%)	AHRQ	\$321,179
2014-2016	U01 IP00467 CORE Influenza surveillance and vaccine effectiveness in a large diverse network	Co-Investigator (5%)	CDC	\$933,873
2014-2016	U01 IP00467 CORE Influenza surveillance and vaccine effectiveness in a large diverse network	Co-Investigator (5%)	CDC	\$933,873

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**PROFESSIONAL ACTIVITIES: SEMINARS, WORKSHOPS, AND INVITED LECTURESHIPS**

**Local Presentations**

- 1993      The Second Jewish Medical Ethics Seminar: Clinton's Health Plan Ethics for Rationing: A Jewish Perspective, Panelist in panel discussion, Shadyside Hospital, Pittsburgh, PA. November 21, 1993.
- 1994      "Assessing Decisional Capacity" -- Ethics for Lunch at Forbes Regional Hospital, December 5, 1994.
- 1995      "Advance Directives: What's Old; What's New" -- Grand Rounds at Butler Memorial Hospital, April 5, 1995.
- 1995      "Elevator Talk" – Joseph F. Mulach Lecture Series, St. Clair Hospital, St. Clair, PA, February 17, 1995
- 1996      "Advance Directives: Doctor-Patient Dialogues" -- Ethics Committee, Shadyside Hospital, February 21, 1996.
- 1996      "Decisions about Advance Directives: Doctor-Patient Dialogues" -- Ethics for Lunch, University of Pittsburgh Medical Center, April 12, 1996.
- 1996      "Discussions about Advance Directives: Theory and Practice" -- Sewickley Valley Hospital, Sewickley, PA, October 22, 1996.
- 1996      "Drafting Effective Advance Directives" – Pennsylvania Bar Association Annual Meeting, Panel Discussion, May 2, 1996.
- 1997      "Advance Directives and DNR Orders" -- Western Pennsylvania Hospital, Pittsburgh, PA, March 13, 1997.
- 1997      "Discussions about Advance Directives: Theory and Practice" – Ethics Grand Rounds, Shadyside Hospital, Pittsburgh, PA, April 8, 1997.
- 1997      "Advance Directives" – Jewish Association on Aging, Pittsburgh, PA, April 16, 1997.
- 1997      "Interview Techniques for Difficult Situation" -- Updates in Internal Medicine, University of Pittsburgh, November, 1997.

- 1998 "The Nuts and Bolts of Advance Directives" – Ethics Grand Rounds, St. Francis Medical Center, Pittsburgh, PA, February 25, 1998.
- 1998 "Telling Families and Patients Bad News" -- Workshop as part of the one-day course 7<sup>th</sup>Annual Current Controversies in Medical Ethics. Ethical Issues in Palliative Care: What do patients want? What do patients need? University of Pittsburgh, April 27, 1998.
- 1998 "Communicating with Dying Patients"—St Francis Hospital, with Dr. Arnold, September 15, 1998.
- 1998 "Elevator Talk: How Patient Confidences Are Divulged" – St Clair Hospital, St. Clair, PA, September 2, 1998.
- 1999 "Advance Directives: A Practical Approach" – Washington Hospital, Washington, PA, January 6, 1999.
- 1999 "Breaking Bad News" – Indiana Hospital, Indiana, PA, May 5, 1999.
- 1999 "Patient Self-Determination" – Celebrating the Gift of Aging, Little Sisters of the Poor, Pittsburgh, PA, October 7, 1999.
- 1999 Panel Discussion entitled "Four Stories of Jewish Healing," in conference entitled "The Four Worlds of Jewish Healing: Integrating Medical, Psychological, Social, and Jewish Spiritual Approaches to Healing," Jewish Education Institute, Pittsburgh, PA Oct 17, 1999.
- 2000 "The Nuts and Bolts of Advance Directives," Ethics for Lunch, St. Francis Medical Center, Pittsburgh PA, Feb 23, 2000
- 2000 "Talking about Advance Directives," UPMC-Southside Hospital, Pittsburgh, PA, June 29, 2000
- 2000 "Giving bad news," Seneca Place Skilled Nursing Facility, Pittsburgh, PA, October 31, 2000
- 2000 "Delivering bad news," Washington Hospital, Washington, PA, December 13, 2000
- 2001 "Family decision-making and advance directive," Hospital Council of Western Pennsylvania, Warrendale, PA, December 7, 2001.
- 2002 "Advance Directives," Medical Grand Rounds, Mercy Hospital, Pittsburgh, PA, March 21, 2002.
- 2002 "Confidentiality and Truth Telling: Theory and Practice", University of Pittsburgh Consortium Ethics Program, Hospital Council of Western Pennsylvania, Warrendale, PA, May 13, 2002.
- 2003 "Gaming the System: The Limits of Patient Advocacy," Shadyside Grand Rounds, Pittsburgh, PA, January 30, 2003.
- 2003 Panel Discussion: Rage and Reconciliation: Beginning a Health Care Revolution. Society for Creative Non-Fiction, Pittsburgh, August 4, 2003.
- 2003 Panel Discussion: Organ Transplantation: Ethical, Legal, and Halachik Perspectives. NA'AMAT USA, Pittsburgh Council, Pittsburgh, September 18, 2003.
- 2004 "Discussing Advance Directives," Grand Rounds, Brownsville Hospital, Brownsville, PA, October 21, 2004
- 2004 "Using Technology to Empower Patients: Diabetes as a Model," Panel Discussion, Shadyside Hospital, Pittsburgh, PA, October 28, 2004



- 2004 "Confidentiality and Truth Telling: Theory and Practice," University of Pittsburgh Consortium Ethics Program, Warrentown, PA, November 8, 2004
- 2004 "Patient-Doctor Electronic Communication – Panel Discussion," University of Pittsburgh, December 7, 2004.
- 2005 "Confidentiality," University of Pittsburgh Consortium Ethics Program, Warrendale, PA, February 14, 2005.
- 2005 "Communicating Bad News – Diagnosis," Education for Physicians on End of Life Care, Allegheny County Medical Society, Warrendale, PA, February 18, 2005
- 2005 "Dilemmas Arising from e-Communication: One Doctor's Experience," 14<sup>th</sup> Annual LHAS Current Controversies in Medical Ethics: From Hippocrates to Bill Gates: Doctor-Patient Communication in the e-electronic Age, University of Pittsburgh School of Medicine, Pittsburgh, PA, April 11, 2005.
- 2005 "Delivering Bad News," Medical Grand Rounds, UPMC-McKeesport Hospital, June 7, 2005
- 2005 "New Models for Using the Internet to Facilitate Consumer Health Choices: Two Case Studies," Institute for Behavioral Health Informatics, Pittsburgh, PA, November 2, 2005
- 2006 "End of Life Decision-Making," Basic Issues in Medical Ethics Series, University of Pittsburgh Consortium Ethics Program, University of Pittsburgh, Warrendale, PA, February 21, 2006.
- 2006 "Talking to Families about End-of-Life Decisions," 15<sup>th</sup> Annual LHAS Medical Ethics Update, 2006, University of Pittsburgh, Pittsburgh, PA, April 24, 2006
- 2006 "Palliative Care in the Acute Hospital," Uniontown Hospital, Uniontown, PA, November 13, 2006
- 2006 "End of Life Decision-Making," Basic Issues in Medical Ethics Series, University of Pittsburgh Consortium Ethics Program, University of Pittsburgh, Warrendale, PA, December 15, 2006.
- 2007 "End of Life Decision-Making," Highmark Ethics Lecture Series, Pittsburgh, PA June 12, 2007.
- 2007 "End of Life Decision-Making," St. Clair Hospital, Mt. Lebanon, PA, September 5, 2007.
- 2007 "Hard Talk: Discussions About End of Life Care," Issues in Medical Ethics Series, University of Pittsburgh Consortium Ethics Program, University of Pittsburgh, Cranberry, PA, December 11, 2007.
- 2007 "New Treatments for Diabetes," Primary Care Track Conference, Department of Medicine, UPMC-Montefiore.
- 2008 "Conflicts of Interest in Quality of Care Research," Panelist, 17<sup>th</sup> Annual LHAS Medical Ethics Update 2008, University of Pittsburgh Medical Center, Pittsburgh, PA, March 31, 2008.
- 2008 "Hard Talk: Discussions About End of Life Care," Issues in Medical Ethics Series, University of Pittsburgh Consortium Ethics Program, University of Pittsburgh, Greensburg, PA, December 13, 2008.
- 2008 "Palliative Care: Opportunities, Barriers, and the Future," Closure, Jewish Health Care Foundation, Pittsburgh, PA, December, 2008.
- 2009 "Closure II: Issues at the end of life," Closure II: A Coalition for Improving End-of- Life Care in Pittsburgh's Jewish Community, Pittsburgh, PA.

- 2009 "Hard Talk: Discussions About End of Life Care," Medical Grand Rounds, West Penn Hospital, March 19, 2009.
- 2009 "End of Life Decision-Making: Code Status, Proxies, and Living Wills," Basic Issues in Medical Ethics Series, University of Pittsburgh Consortium Ethics Program, University of Pittsburgh, Warrendale, PA, December 8, 2009.
- 2010 "Hard Talk: Discussions About End of Life Care," , University of Pittsburgh Consortium Ethics Program, University of Pittsburgh, La Roche College, Pittsburgh, PA, December 17, 2010.
- 2011 "Feasibility of a Brief Workshop on Palliative Care Communication Skills for Medical Interns." Poster presentation. UPMC/University of Pittsburgh 2011 GME Leadership Conference. February 25, 2011
- 2011 "Cardio HIT: Lessons Learned from Electronic Reporting of Quality Measures," eRecord Enterprise-Wide Physicians Advisory Council, UPMC, Pittsburgh, PA, June 5, 2011.
- 2013 Lecturer and Panelist, "Health Care Providers as Patients," 22<sup>th</sup> Annual LHAS Medical Ethics Update 2013, University of Pittsburgh Medical Center, Pittsburgh, PA, March 29, 2013.
- 2013 "Hard Talk: Discussions About End of Life Care," University of Pittsburgh Consortium Ethics Program, University of Pittsburgh, UPMC, Pittsburgh, PA, May 23, 2013.
- 2013 "Inviting Patients to Read Their Doctors Notes: A Quasi-experiemental Study and a Look Ahead," eRecord Enterprise-Wide Physicians Advisory Council, UPMC, Pittsburgh, PA, June 4, 2013
- 2013 "Pain Theater," 2013 Update in Internal Medicine, University of Pittsburgh, October 11, 2013.
- 2014 "EHR Functionality to Support Primary Care," eRecord Enterprise-Wide Physicians Advisory Council, UPMC, Pittsburgh, PA, February, 2014.
- 2020 "Discover joy in using EpicCare: Hands on workshop for customization and personalization," Physician Well-Being Symposium, UPMC, Pittsburgh, PA, January 2020

### **Regional and National Presentations**

- 1995 "Ethical Aspects of End-of-Life Decisions" -- Symposium on Trends and Treatment of Trauma '95, Tri-State Trauma System, May 9, 1995.
- 1997 "Talking the Talk: Discussions about Advance Directives." (Workshop). Annual Meeting of the Society for General Internal Medicine, May 2, 1997.
- 1998 "Communicating with Patients at the End of Life," (Full day pre-course). Annual meeting of the Society for General Internal Medicine, Chicago, IL, April 23, 1998.
- 1999 "Communicating with Patients at the End of Life," (Full day pre-course). Annual Meeting of the Society for General Internal Medicine, San Francisco, CA, April 29, 1999.
- 2003 "The Quest for Quality in the Outpatient Setting" (workshop coordinator), Annual Meeting of the Society for General Internal Medicine, Vancouver, May 2, 2003.
- 2007 "Strategies to export physician performance measure data from electronic health record systems for participation in national programs." Panelist. Physician Consortium for Performance Improvement, AMA, Washington, DC, June 1, 2007.

- 2008 "Using EpicCare Ambulatory to Support PQRI Reporting: Lessons from 2007," Epic Physicians Advisory Council, Verona, WI, May 1, 2008
- 2009 "Frontiers in ePrescribing: Implementation of Formulary Information in EpicCare," Epic Physicians Advisory Council, Verona, WI, September 22, 2009
- 2009 "The Taming of the Script: A Tale of ePrescribing in 5 Acts," Epic Users Group Meeting, Verona, WI, September, 2009.
- 2009 "Measure for Measure: Using EpicCare Ambulatory for PQRI Reporting," Epic Users Group Meeting, Verona, WI, September, 2009.
- 2010 "Achieving Medical Home Access and Communication in an Academic Medical Practice" (workshop), Annual Meeting of the Society for General Internal Medicine, Minneapolis, MN, April 29, 2010
- 2011 "Preventing Medication-Induced Birth Defects," Gary Fischer and E. Bimla Schwarz, Epic Users Group Meeting, Verona, WI, September 21, 2011
- 2011 "Enchanting MyChart for Chronic Disease Management," Gary Fischer and Rachel Hess, Epic Users Group Meeting, Verona, WI, September 22, 2011.
- 2012 "Patient-Centered Medical Home: Ethics, Accountability, and Teamwork," panelist on panel discussion, American College of Physicians Internal Medicine 2012, New Orleans, LA, April 20, 2012
- 2012 "Start Me Up: Patient Activation with MyChart," Mark Roberts, Gary Fischer, and Rachel Hess, Epic Users Group Meeting, Verona, WI, September 11, 2012.
- 2012 "Epic and the Patient-Centered Medical Home," Anthony Fiorillo and Gary Fischer, Epic Users Group Meeting, Verona, WI, September 11, 2012.
- 2014 "Elevator Talk – and Other Threats to Patient Privacy," St. Clair Hospital, Upper St. Clair, PA, April 2, 2014.
- 2014 "Planting the Seeds of Quality: Outpatient Clinical Pathways," Epic User Group Meeting, Verona, WI, September 16, 2014.
- 2015 "Spreadsheets, Graphs, and Dashboards: Delivering Quality Data to the Masses," 2015 Epic Fall Physician Advisory Council, August 31, 2015.
- 2015 "Hard Talk: Advance Care Planning and End of Life Decisions," University of Pittsburgh Consortium Ethics Program, Allison Park, PA, November 9, 2015
- 2015 "Comprehensive Care Model" For Diabetes within a Primary Care Clinic: Pre-Visit Planning, At-Visit Efficiency and Inter-Visit Care," Institute For Healthcare Improvement (IHI) Scientific Symposium, Orlando, FL, December 7, 2015
- 2017 "Spellbound by Chronic Care Management," G Fischer, P Gomez, E Orié, V Reha. Epic User Group Meeting, Verona, WI, September 27, 2017.

- 2017 “Tools for Safe Use of Potions of Opium and other Soporifics,” V Haradzin and G. Fischer. Epic User Group Meeting, Verona, WI, September 27, 2017.
- 2018 Special Invited Symposium: Making Point-of-Care Clinical Decision Support Tools Work. G. Fischer, session coordinator. M Arron, S Day, C Santana. Society for General Internal Medicine Annual Meeting, Denver CO, April 2018
- “Negotiate the Tower of Babel: Effective IT Communication.” Arnold J, Feterik K, Day S, Fischer G. Workshop presented at Society for General Internal Medicine Annual Meeting, Denver CO, April 2018
- “Helpful Tech – Can EHRs Improve Patient Weight Management.” Fischer G, Conroy M, Epic User Group Meeting, Verona, WI, August, 2018.
- “Chronic Care Management a Year Later: The Forest and the Trees.” Gomez P, Fischer G, Haradzin V, Reha V, Grana C. Epic User Group Meeting, Verona, WI, August, 2018.
- “Exploring Quality: The Wide Expanse of Dashboards and Reports for Cardiology Fellows.” Fischer G, Levenson J, Grana C. Epic User Group Meeting, Verona, WI, August, 2018.
- 2019 “Transitional care management: Getting paid for successful transitions.” Fischer G, Lenhart Z. EpicCare XGM, Clinical Advisory Council, Verona, WI, May, 2019.
- 2020 “Pandemic Policies and Practices: A Conversation about Ethical Issues Arising with Use of Telemedicine during this Pandemic” Fischer G, Parker L. Mid-Atlantic Regional Public Health Training Center, 6/23/2020
- “EHR Summer Camp: A Hands-On CME Workshop to Enhance Efficient Use of the EHR through Customization,” Fischer GS. Poster presentation – SGIM20 On Demand (virtual conference because of Covid), June, 2020
- “Re-Framing Hepatitis C Decision-Support Alerts: A pilot project in human-centered design,” Nguyen M, Fischer GS. (Poster Presentation) – Society for General Internal Medicine Annual Meeting, May 2020, *invited and scheduled, however canceled secondary to the COVID19 Pandemic*

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### PROFESSIONAL ACTIVITIES: CURRENT RESEARCH INTERESTS

- Use of Patient Portals to Enhance Patient Care (chronic disease management, prevention)
  - Use of Virtual Visits (eVisits and telemedicine) to improve quality and efficiency of care
  - Effects of Teledermatology in an Outpatient Internal Medicine clinic on quality and efficiency
  - Quality and Efficiency of an “Ambulatory ICU” Model for High Utilizing and At-Risk Patients
  - Effect of providing risk information to patients and physicians on treatment and outcomes
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**PROFESSIONAL ACTIVITIES: SERVICE**
**Service at the University of Pittsburgh and Affiliated Hospitals**

1994-2003	Consultant, Medical Ethics Consult Service
1998-2001	Advisor, Faculty and Students Together (FAST), School of Medicine
1998-2003	Member, Ethics Committee, UPMC
1998	Facilitator, Working Group on Performance Based Evaluation of Students, 6 <sup>th</sup> Annual Curriculum Colloquium, School of Medicine
1999-present	Member, University of Pittsburgh School of Medicine Admissions Interviewing Committee
2000	Participant, Electronic Health Record Retreat
2001	Member, Enterprise Wide eRecord Physician Advisory Council, UPMC
2002	Chair, Task Force to Improve Patient Access to UPP Practices, University of Pittsburgh Physicians
2003	Member, Clinical Initiatives Committee, UPMC Health Plan
2003	Member, PACT/Endocrine Electronic Health Record Steering Committee
2003-2015	Member, eRecord Physician Cabinet, UPMC
2006-2008	Member, Fitness for Life Committee and the Risk Assessment and Management Subcommittee, University Senate
2005--2017	Co-chair, Physicians Ambulatory eRecord Workgroup, Physicians Services Division, UPMC
2006-present	Co-chair, Decision-Support Working Group for the Ambulatory eRecord, Physicians Services Division, UPMC
2006-present	Co-chair, Primary Care User's Group for the Ambulatory eRecord, Physicians Services Division, UPMC
2012	Member, Doctoral Dissertation Committee, John Rief (Doctoral Candidate in Communications)
2013-2021	Member, Medical Executive Committee, UPMC Presbyterian
2013-2021	Member, Medical Staff Leadership Committee, UPMC Presbyterian
2013-2016	Member, Physician Documentation Improvement Committee, UPMC (Enterprise-wide)
2013-2016	Member, eRecord Technical Committee, UPMC
2020-present	Member, IDFS Palliative Care & EOL Workgoup
2020-present	Member, IDFS Primary Care Workgroup

**National Service: National Organizations, Societies, and Journals**

1994	Member, Squam Lake Conference, which produced the document Advance care planning: priorities for ethical and empirical research. Special Supplement, Hastings Center Report. 1994;24,6:S32-S36
1995-2006	Ad hoc reviewer, Annals of Internal Medicine
1996-2006	Ad hoc reviewer, Journal of General Internal Medicine
1997-1998	Ad hoc reviewer, Kennedy Institute of Ethics Journal
1998	Grant reviewer, Robert Wood Johnson Foundation
1998-present	Member of various abstract and workshop selection committees for Society for General Internal Medicine Annual Meetings.
2001-2003	Ad hoc reviewer, Journal of the American Geriatric Society
2006-2013	Ad hoc reviewer, Journal of Palliative Medicine
2007	Chair, Innovations in Practice Management Abstract Selection Committee, Society for General Internal Medicine
2007	Member, Program Committee, Annual Meeting, Society for General Internal medicine
2010-2011	Chair, Technical Expert Panel, Review of Health Information Technology Quality Measure for Submission to National Quality Foundation (NQF), Quality Insights of Pennsylvania
2010-2011	Chair, Technical Expert Panel, ePrescribing Measure, Quality Insights of Pennsylvania
2014	Member, Masters in Bioethics Thesis Committee, Jeremy Guttman