

A. Biographical Information

JAMES D. RALSTON

Kaiser Permanente Washington Health Research
 Institute, Kaiser Foundation Health Plan of Washington*
 1730 Minor Avenue, Suite 1600
 Seattle, Washington 98101-1448
 Phone - (206) 287-2076
 FAX – (206) 287-2871
 Email – ralston.j@ghc.org

B. Education

Stanford University, Stanford, CA	B.A.	1988
University of Washington, Seattle, WA	M.D.	1994
University of Washington, Seattle, WA	M.P.H.	2002

C. Licensure

Physician and Surgeon, Washington State, expires 7/2023: #00034187

Board Certification

American Board of Internal Medicine, 1997-2007: recertified 2007-2017, 2017 to 2027

D. Residency and Fellowship

Intern	Internal Medicine	Virginia Mason Medical Center	7/94-07/95
Resident	Internal Medicine	Virginia Mason Medical Center	7/95-07/97
Chief Resident	Internal Medicine	Virginia Mason Medical Center	7/97-07/98
Fellow	NRSA Program in Primary Care Research	U of Washington	7/00-09/03

Faculty Appointments

Senior Scientific Investigator, Kaiser Permanente Washington Health Research Institute, Kaiser Foundation Health Plan of Washington*	2015 – Present
Affiliate Professor, Health Services University of Washington School of Public Health	2018 – Present
Affiliate Professor, Biomedical and Health Informatics University of Washington School of Medicine	2018 – Present
Affiliate Associate Professor, Health Services University of Washington School of Public Health	2013 – 2018
Affiliate Associate Professor, Biomedical and Health Informatics University of Washington School of Medicine	2013 – 2018
Affiliate Assistant Professor, Health Services University of Washington School of Public Health	2005 – 2012
Affiliate Assistant Professor, Biomedical and Health Informatics University of Washington School of Medicine	2011 – 2013
Associate Scientific Investigator, Group Health Research Institute	2010 – 2015
Assistant Scientific Investigator, Group Health Research Institute	2003 – 2009

Clinical Positions

Internal Medicine, Washington Permanente Medical Group*	2003 – Present
Hospitalist, Virginia Mason Medical Center	2000 – 2003
Internist, private practice locum tenens	1998 – 1999

**Kaiser Permanente acquired Group Health in February 2017, at which point Group Health Research Institute became Kaiser Permanente Washington Health Research Institute.*

E. Honors, Awards, Scholarships

Faculty Mentoring Award, Group Health Research Institute	2016
John Q. Sherman Award for Excellence in Engaging Patients	2014

James D. Ralston, M.D., M.P.H.

Top Doctor, Washington Magazine	2011
National Research Service Award and Fellowship	2001 – 2003
Chief Medical Resident, Virginia Mason Medical Center	1997 – 1998

F. Other Professional Activities

Professional Organizations

Society for General Internal Medicine (associate member)	2001 – Present
American College of Physicians (member)	1994 – Present
American Medical Informatics Association (member)	2003 – Present

Grant Review

Member, Health Care Research and Training Study Section, Agency for Healthcare Research and Quality: October 2010-2014.

Ad Hoc Grant Review

1. Patient Centered Outcomes Research Institute, Phased Large Awards in Comparative Effectiveness Research, 2021.
2. Office of the National Coordinator for Health Information Technology, Leading Edge Acceleration Project Special Emphasis Notice in Health Information Technology, 2019, 2022.
3. Biomedical Informatics, Library and Data Sciences (BILDS) Review Committee, National Library of Medicine, June 2018.
4. Health Care Research and Training Study Section, Agency for Healthcare Research and Quality: March 2009, July 2009, October 2009, March 2010.
5. Institute of Translational Health Sciences, Pilot Grant Review, University of Washington, December 2009, March 2010.
6. Ambulatory Safety and Quality Program: Improving Management of Individuals with Complex Healthcare Needs through Health IT, Agency for Healthcare Quality and Research, June 2008.
7. Ambulatory Safety and Quality Program: Improving Quality through Clinician Use of Health IT, Agency for Healthcare Quality and Research, June 2007.
8. Diabetes UK, Care and Treatment of diabetes and its complications, 2006.
9. Cancer Research Network, Pilot Fund Proposals, 2004.

Ad Hoc Manuscript Review

Annals of Family Medicine; Journal of the American Medical Informatics Association; Health Affairs; Journal of Biomedical Informatics; International Journal of Medical Informatics; Health Services Research; BMC Medical Informatics and Decision Making; Journal of General Internal Medicine; Diabetes Research and Clinical Practice; Health Expectations; Journal on Information Technology in Healthcare; Journal of the National Cancer Institute; Evaluation and Program Planning; Journal of Medical Internet Research; Journal of the American Medical Association; Medicare Medicaid Research Review; Applied Clinical Informatics; American Journal of Managed Care; Annals of Internal Medicine; The Permanente Journal; Medical Care; Contemporary Clinical Trials

Other Professional Responsibilities and Service Activities

Reviewer, American Medical Informatics Association Annual Meeting, 2010 – 2016
Reviewer, Conference on Human Factors in Computing Systems Annual Meeting (ACM CHI), 2017
Executive Committee Member, VA eHealth QUERI, 2010 – 2015
Abstract Reviewer, Medicine 2.0: Social Networking and Web 2.0 Applications in Medicine and Health, International, Conference Toronto Canada, 2008
Briefed staff in five federal legislator's offices in Washington DC (including Murray, Cantwell, McDermott) on importance of patient-centered policies for personal health records. July, 2008
Selected to present to RWJF Board of Trustees in Seattle on use of the Chronic Care Model with new communication technologies, 2008

G. Bibliography

Peer-Reviewed Research Publications in Journals (*primary mentor publications)

1. Schuttner L, Lee JR, Hockett Sherlock S, **Ralston JD**, Rosland AM, Nelson K, Simons C, Sayre GG. Primary Care Physician Perspectives on the Influence of Patient Values, Health Priorities, and Preferences on Clinical Decision-Making for Complex Patients with Multimorbidity: A Qualitative Study. *Risk Manag Healthc Policy*. 2022;15:2135-46. Epub 2022/11/24. doi: 10.2147/RMHP.S380021. PubMed PMID: 36415219; PMCID: PMC9675988.
2. Schuttner L, Hockett Sherlock S, Simons CE, Johnson NL, Wirtz E, **Ralston JD**, Rosland AM, Nelson K, Sayre G. My Goals Are Not Their Goals: Barriers and Facilitators to Delivery of Patient-Centered Care for Patients with Multimorbidity. *J Gen Intern Med*. 2022;1-8. Epub 2022/05/24. doi: 10.1007/s11606-022-07533-1. PubMed PMID: 35606644; PMCID: PMC9126696.
3. Schuttner L, Hockett Sherlock S, Simons C, **Ralston JD**, Rosland AM, Nelson K, Lee JR, Sayre G. Factors affecting primary care physician decision-making for patients with complex multimorbidity: a qualitative interview study. *BMC Prim Care*. 2022;23(1):25. Epub 2022/02/07. doi: 10.1186/s12875-022-01633-x. PubMed PMID: 35123398; PMCID: PMC8817776.
4. Patel HV, Henrikson NB, **Ralston JD**, Leppig K, Scrol A, Jarvik GP, DeVange S, Larson EB, Hartzler AL. Implementation matters: How patient experiences differ when genetic counseling accompanies the return of genetic variants of uncertain significance. *AMIA Annu Symp Proc*. 2021;2021:950-8. Epub 2022/03/22. PubMed PMID: 35309003; PMCID: PMC8861684.
5. Miller-Rosales C, McCloskey J, Uratsu CS, **Ralston JD**, Bayliss EA, Grant RW. Associations Between Different Self-reported Social Risks and Neighborhood-level Resources in Medicaid Patients. *Med Care*. 2022;60(8):563-9. Epub 2022/06/01. doi: 10.1097/MLR.0000000000001735. PubMed PMID: 35640038; PMCID: PMC9262842.
6. McCloskey JK, Ellis JL, Uratsu CS, Drace ML, **Ralston JD**, Bayliss EA, Grant RW. Accounting for Social Risk Does not Eliminate Race/Ethnic Disparities in COVID-19 Infection Among Insured Adults: a Cohort Study. *J Gen Intern Med*. 2022;37(5):1183-90. Epub 2022/02/03. doi: 10.1007/s11606-021-07261-y. PubMed PMID: 35107716; PMCID: PMC8809238.
7. Lozano PM, Lane-Fall M, Franklin PD, Rothman RL, Gonzales R, Ong MK, Gould MK, Beebe TJ, Roumie CL, Guise JM, Enders FT, Forrest CB, Mendonca EA, Starrels JL, Sarkar U, Savitz LA, Moon J, Linzer M, **Ralston JD**, Chesley FD, Jr. Training the next generation of learning health system scientists. *Learn Health Syst*. 2022;6(4):e10342. Epub 2022/10/21. doi: 10.1002/lrh2.10342. PubMed PMID: 36263260; PMCID: PMC9576226.
8. Leppig KA, Kulchak Rahm A, Appelbaum P, Aufox S, Bland ST, Buchanan A, Christensen KD, Chung WK, Clayton EW, Crosslin D, Denny J, DeVange S, Gordon A, Green RC, Hakonarson H, Harr MH, Henrikson N, Hoell C, Holm IA, Kullo IJ, Jarvik GP, Lammers PE, Larson EB, Lindor NM, Marasa M, Myers MF, Perez E, Peterson JF, Pratap S, Prows CA, **Ralston JD**, Rasouly HM, Roden DM, Sharp RR, Singh R, Shaibi G, Smith ME, Sturm A, Thiese HA, Van Driest SL, Williams J, Williams MS, Wynn J, Blout Zawatsky CL, Wiesner GL. The reckoning: The return of genomic results to 1444 participants across the eMERGE3 Network. *Genet Med*. 2022;24(5):1130-8. Epub 2022/02/27. doi: 10.1016/j.gim.2022.01.015. PubMed PMID: 35216901.
9. Glazer AM, Davogusto G, Shaffer CM, Vanoye CG, Desai RR, Farber-Eger EH, Dikilitas O, Shang N, Pacheco JA, Yang T, Muhammad A, Mosley JD, Van Driest SL, Wells QS, Shaffer LL, Kalash OR, Wada Y, Bland S, Yoneda ZT, Mitchell DW, Kroncke BM, Kullo IJ, Jarvik GP, Gordon AS, Larson EB, Manolio TA, Mirshahi T, Luo JZ, Schaid D, Namjou B, Alsaied T, Singh R, Singhal A, Liu C, Weng C, Hripcsak G, **Ralston JD**, McNally EM, Chung WK, Carrell DS, Leppig KA, Hakonarson H, Sleiman P, Sohn S, Glessner J, e MN, Denny J, Wei WQ, George AL, Jr., Shoemaker MB, Roden DM. Arrhythmia Variant Associations and Reclassifications in the eMERGE-III Sequencing Study. *Circulation*. 2022;145(12):877-91. Epub 2021/12/22. doi: 10.1161/CIRCULATIONAHA.121.055562. PubMed PMID: 34930020; PMCID: PMC8940719.
10. Blasi PR, Scrol A, Anderson ML, Gray MF, Tiffany B, Fullerton SM, **Ralston JD**, Leppig KA, Henrikson NB. Feasibility, acceptability, and limited efficacy of health system-led familial risk notification: protocol for a mixed-methods evaluation. *Pilot Feasibility Stud*. 2022;8(1):174. Epub 2022/08/10. doi: 10.1186/s40814-022-01142-9. PubMed PMID: 35945632; PMCID: PMC9361690.
11. Bell SK, Bourgeois F, DesRoches CM, Dong J, Harcourt K, Liu SK, Lowe E, McGaffigan P, Ngo LH, Novack SA, **Ralston JD**, Salmi L, Schrandt S, Sheridan S, Sokol-Hessner L, Thomas G, Thomas EJ. Filling a gap in safety metrics: development of a patient-centred framework to identify and categorise patient-reported breakdowns related to the diagnostic process in ambulatory care. *BMJ*

- Qual Saf.* 2022;31(7):526-40. Epub 2021/10/18. doi: 10.1136/bmjqs-2021-013672. PubMed PMID: 34656982.
12. Blasi PR, Scrol A, Anderson ML, Gray MF, Tiffany B, Fullerton SM, **Ralston JD**, Leppig KA, Henrikson NB. Feasibility, acceptability, and limited efficacy of health system-led familial risk notification: protocol for a mixed-methods evaluation. *Pilot Feasibility Stud.* 2022;8(1):174. PMID: PMC9361690.
 13. Miller-Rosales C, McCloskey J, Uratsu CS, **Ralston JD**, Bayliss EA, Grant RW. Associations Between Different Self-reported Social Risks and Neighborhood-level Resources in Medicaid Patients. *Med Care.* 2022;60(8):563-9. PMID: PMC9262842.
 14. Schuttner L, Hockett Sherlock S, Simons CE, Johnson NL, Wirtz E, **Ralston JD**, Rosland AM, Nelson K, Sayre G. My Goals Are Not Their Goals: Barriers and Facilitators to Delivery of Patient-Centered Care for Patients with Multimorbidity. *J Gen Intern Med.* 2022. PMID: PMC9126696.
 15. Patel HV, Henrikson NB, **Ralston JD**, Leppig K, Scrol A, Jarvik GP, DeVange S, Larson EB, Hartzler AL. Implementation matters: How patient experiences differ when genetic counseling accompanies the return of genetic variants of uncertain significance. *AMIA Annu Symp Proc.* 2021;2021:950-8. PMID: PMC8861684.
 16. Leppig KA, Kulchak Rahm A, Appelbaum P, Aufox S, Bland ST, Buchanan A, Christensen KD, Chung WK, Clayton EW, Crosslin D, Denny J, DeVange S, Gordon A, Green RC, Hakonarson H, Harr MH, Henrikson N, Hoell C, Holm IA, Kullo IJ, Jarvik GP, Lammers PE, Larson EB, Lindor NM, Marasa M, Myers MF, Perez E, Peterson JF, Pratap S, Prows CA, **Ralston JD**, Rasouly HM, Roden DM, Sharp RR, Singh R, Shaibi G, Smith ME, Sturm A, Thiese HA, Van Driest SL, Williams J, Williams MS, Wynn J, Blout Zawatsky CL, Wiesner GL. The reckoning: The return of genomic results to 1444 participants across the eMERGE3 Network. *Genet Med.* 2022;24(5):1130-8. PMID: 35216901.
 17. Schuttner L, Hockett Sherlock S, Simons C, **Ralston JD**, Rosland AM, Nelson K, Lee JR, Sayre G. Factors affecting primary care physician decision-making for patients with complex multimorbidity: a qualitative interview study. *BMC Prim Care.* 2022;23(1):25. PMID: 35123398; PMID: PMC8817776.
 18. McCloskey JK, Ellis JL, Uratsu CS, Drace ML, **Ralston JD**, Bayliss EA, Grant RW. Accounting for Social Risk Does not Eliminate Race/Ethnic Disparities in COVID-19 Infection Among Insured Adults: a Cohort Study. *J Gen Intern Med.* 2022;37(5):1183-90. PMID: 35107716; PMID: PMC8809238.
 19. Glazer AM, Davogustto G, Shaffer CM, Vanoye CG, Desai RR, Farber-Eger EH, Dikilitas O, Shang N, Pacheco JA, Yang T, Muhammad A, Mosley JD, Van Driest SL, Wells QS, Shaffer LL, Kalash OR, Wada Y, Bland S, Yoneda ZT, Mitchell DW, Kroncke BM, Kullo IJ, Jarvik GP, Gordon AS, Larson EB, Manolio TA, Mirshahi T, Luo JZ, Schaid D, Namjou B, Alsaied T, Singh R, Singhal A, Liu C, Weng C, Hripcsak G, **Ralston JD**, McNally EM, Chung WK, Carrell DS, Leppig KA, Hakonarson H, Sleiman P, Sohn S, Glessner J, e MN, Denny J, Wei WQ, George AL, Jr., Shoemaker MB, Roden DM. Arrhythmia Variant Associations and Reclassifications in the eMERGE-III Sequencing Study. *Circulation.* 2022;145(12):877-91. PMID: 34930020; PMID: PMC8940719.
 20. Bell SK, Bourgeois F, DesRoches CM, Dong J, Harcourt K, Liu SK, Lowe E, McGaffigan P, Ngo LH, Novack SA, **Ralston JD**, Salmi L, Schrandt S, Sheridan S, Sokol-Hessner L, Thomas G, Thomas EJ. Filling a gap in safety metrics: development of a patient-centred framework to identify and categorise patient-reported breakdowns related to the diagnostic process in ambulatory care. *BMJ Qual Saf.* 2022;31(7):526-40. PMID: 34656982.
 21. Tchesnokova V, Kulasekara H, Larson L, Bowers V, Rechkina E, Kisiela D, Sledneva Y, Choudhury D, Maslova I, Deng K, Kutumbaka K, Geng H, Fowler C, Greene D, **Ralston J**, Samadpour M, Sokurenko E. Acquisition of the L452R Mutation in the ACE2-Binding Interface of Spike Protein Triggers Recent Massive Expansion of SARS-CoV-2 Variants. *J Clin Microbiol.* 2021;59(11):e0092121. PMID: 34379531; PMID: PMC8525575.
 22. Khan SS, Hoell C, Castillo LM, Connolly JJ, Crosslin DR, Chung WK, Gordon AS, Harr M, Jarvik GP, Kullo I, Larson EB, Leppig KA, Manolio T, Pacheco JA, **Ralston JD**, Puckelwartz MJ, Smith ME, Wells Q, McNally EM, Rasmussen-Torvik LJ. Practice Patterns After Return of Rare Variants Associated With Cardiomyopathy in the Electronic Medical Records and Genomics Network. *Circ Heart Fail.* 2021;14(5):e008155. PMID: 33951936; PMID: PMC8488964.

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23. Henrikson NB, Blasi P, Figueroa Gray M, Tiffany BT, Scrol A, **Ralston JD**, Fullerton SM, Lim CY, Ewing J, Leppig KA. Patient and Family Preferences on Health System-Led Direct Contact for Cascade Screening. *J Pers Med*. 2021;11(6). PMID: 34200550; PMCID: PMC8230217.
24. Grant RW, McCloskey J, Hatfield M, Uratsu C, **Ralston JD**, Bayliss E, Kennedy CJ. Use of latent class analysis and k-means clustering to identify complex patient profiles. *JAMA Netw Open*. 2020;3(12):e2029068. PMID: 33306116; PMCID: PMC7733156.
25. **Ralston JD**, Yu O, Penfold RB, Gundersen G, Ramaprasan A, Schartz EM. Changes in clinician attitudes toward sharing visit notes: Surveys pre-and post-implementation. *J Gen Intern Med*. 2021;36(11):3330-3336. PMID: 33886028; PMCID: PMC8061150.
26. Tuzzio L, Berry AL, Gleason K, Barrow J, Bayliss EA, Gray MF, Delate T, Bermet Z, Uratsu CS, Grant RW, **Ralston JD**. Aligning care with the personal values of patients with complex care needs. *Health Serv Res*. 2021;56 Suppl 1(Suppl 1):1037-1044. PMID: 34363205; PMCID: PMC8515216.
27. Tuzzio L, O'Meara ES, Holden E, Parchman ML, **Ralston JD**, Powell JA, Baldwin LM. Barriers to implementing cardiovascular risk calculation in primary care: Alignment with the consolidated framework for implementation research. *Am J Prev Med*. 2021 Feb;60(2):250-257. PMID: 33279368; PMCID: PMC8638790.
28. Makhnoon S, Bowen DJ, Shirts BH, Fullerton SM, Meischke HW, Larson EB, **Ralston JD**, Leppig K, Crosslin DR, Veenstra D, Jarvik GP. Relationship between genetic knowledge and familial communication of CRC risk and intent to communicate CRCP genetic information: Insights from FamilyTalk eMERGE III. *Transl Behav Med*. 2021;11(2):563-572. PMID: 32579152; PMCID: PMC7963296.
29. Bowen DJ, Makhnoon S, Shirts BH, Fullerton SM, Larson E, **Ralston JD**, Leppig K, Crosslin DR, Veenstra D, Jarvik GP. What improves the likelihood of people receiving genetic test results communicating to their families about genetic risk? *Patient Educ Couns*. 2021;104(4):726-31. PMID: 33455827; PMCID: PMC8005444.
30. Ramirez M, Duran MC, Pabiniak CJ, Hansen KE, Kelley A, **Ralston JD**, McCurry SM, Teri L, Penfold RB. Family caregiver needs and preferences for virtual training to manage behavioral and psychological symptoms of dementia: Interview study. *JMIR Aging*. 2021;4(1):e24965 PMID: 33565984.
31. Makhnoon S, Bowen DJ, Shirts BH, Fullerton SM, Larson EB, **Ralston JD**, Leppig KA, Crosslin DR, Veenstra D, Jarvik GP. The FamilyTalk randomized controlled trial: patient-reported outcomes in clinical genetic sequencing for colorectal cancer. *Cancer Causes Control*. 2021;32(5):483-92. PMID: 33591484.
32. Henrikson NB, Scrol A, Leppig KA, **Ralston JD**, Larson EB, Jarvik GP. Preferences of biobank participants for receiving actionable genomic test results: results of a recontacting study. *Genet Med*. 2021. PMID: 33603197.
33. Lynch JA, Sharp RR, Aufox SA, Bland ST, Blout C, Bowen DJ, Buchanan AH, Halverson C, Harr M, Hebring SJ, Henrikson N, Hoell C, Holm IA, Jarvik G, Kullo IJ, Kochan DC, Larson EB, Lazzeri A, Leppig KA, Madden J, Marasa M, Myers MF, Peterson J, Prows CA, Kulchak Rahm A, **Ralston J**, Milo Rasouly H, Scrol A, Smith ME, Sturm A, Stuttgen K, Wiesner G, Williams MS, Wynn J, Williams JL. Understanding the Return of Genomic Sequencing Results Process: Content Review of Participant Summary Letters in the eMERGE Research Network. *J Pers Med*. 2020;10(2). PMCID: PMC7354464.
34. Makhnoon S, Bowen DJ, Shirts BH, Fullerton SM, Meischke HW, Larson EB, **Ralston JD**, Leppig K, Crosslin DR, Veenstra D, Jarvik GP. Relationship between genetic knowledge and familial communication of CRC risk and intent to communicate CRCP genetic information: insights from FamilyTalk eMERGE III. *Transl Behav Med*. 2020.
35. Penfold RB, Thompson EE, Hilt RJ, Kelleher KJ, Schwartz N, Beck A, Clarke GN, Ralston JD, Hartzler AL, Coley RY, Akosile M, Vitiello B, Simon GE. Safer use of antipsychotics in youth (SUAY) pragmatic trial protocol. *Contemp Clin Trials*. 2020;99:106184.
36. Schuttner L, Coleman K, **Ralston J**, Parchman M. The role of organizational learning and resilience for change in building quality improvement capacity in primary care. *Health Care Manage Rev*. 2020. PMCID: PMC7541444.
37. Tchesnokova VL, Rechkina E, Chan D, Haile HG, Larson L, Ferrier K, Schroeder DW, Solyanik T, Shibuya S, Hansen K, **Ralston JD**, Riddell K, Scholes D, Sokurenko EV. Pandemic Uropathogenic

- Fluoroquinolone-resistant *Escherichia coli* Have Enhanced Ability to Persist in the Gut and Cause Bacteriuria in Healthy Women. *Clin Infect Dis*. 2020;70(5):937-9.
38. Wiesner GL, Kulchak Rahm A, Appelbaum P, Aufox S, Bland ST, Blout CL, Christensen KD, Chung WK, Clayton EW, Green RC, Harr MH, Henrikson N, Hoell C, Holm IA, Jarvik GP, Kullo IJ, Lammers PE, Larson EB, Lindor NM, Marasa M, M FM, Peterson JF, Prows CA, **Ralston JD**, Milo Rasouly H, Sharp RR, Smith ME, Van Driest SL, Williams JL, Williams MS, Wynn J, Leppig KA. Returning Results in the Genomic Era: Initial Experiences of the eMERGE Network. *J Pers Med*. 2020;10(2). PMID: PMC7354592.
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 42. Henrikson NB, Blasi PR, Corsmo JJ, Sheffer Serdoz E, Scrol A, Greene SM, Matthews TL, **Ralston JD**. "You Really Do Have to Know the Local Context": IRB Administrators and Researchers on the Implications of the NIH Single IRB Mandate for Multisite Genomic Studies. *Journal of Empirical Research on Human Research Ethics*: 2019 Jul;14(3):286-295.
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 44. Karter AJ, Warton EM, Moffet HH, **Ralston JD**, Huang ES, Miller DR, Lipska KJ. Revalidation of the Hypoglycemia Risk Stratification Tool Using ICD-10 Codes. *Diabetes Care*. 2019;42(4):e58-e9. PMID: PMC6429629.
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 47. Chang E, Blondon K, Lyles CR, Jordan L, **Ralston JD**. Racial/ethnic variation in devices used to access patient portals. *Am J Manag Care*. 2018 Jan 1;24(1):e1-e8. PMID: 29350513.
 48. Karter AJ, Warton EM, Lipska KJ, **Ralston JD**, Moffet HH, Jackson GG, Huang ES, Miller DR. Development and Validation of a Tool to Identify Patients With Type 2 Diabetes at High Risk of Hypoglycemia-Related Emergency Department or Hospital Use. *JAMA Intern Med*. 2017 Oct 1;177(10):1461-1470. PMID: PMC5624849.
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52. Tieu L, Schillinger D, Sarkar U, Hoskote M, Hahn KJ, Ratanawongsa N, **Ralston JD**, Lyles CR. Personal electronic health records and vulnerable patients: portals to nowhere? *J Am Med Inform Assoc.* 2017 Apr 1;24(e1):e47-e54.
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Peer-Reviewed Full-Length Research Papers in Conference Proceedings (*primary mentor publications)

1. *Ryu H, Berry ABL, Ludman E, Lim C, Hartzler A, Hirsch T, Ferguson D, Bermet Z, Weeks J, Tiffany B, Pinczower L, Tran VK, Crawford-Gallagher B, Cronkite D, Trejo J, Healy L, **Ralston JD**. "You Can See the Connections": Facilitating Visualization of Care Priorities in People Living with Multiple Chronic Health Conditions. *Conference on Human Factors in Computing (CHI)*, 2023, Hamburg, Germany.
2. *Berry ABL, Lim CY, Liang CA, Hartzler AL, Hirsch T, Ferguson DM, Bermet ZA, **Ralston JD**. Supporting Collaborative Reflection on Personal Values and Health. *Proc ACM Hum-Comput Interact.* 2021;5(CSCW2):Article 299. doi: 10.1145/3476040.
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6. *Berry ABL, Lim C, Hartzler A, Hirsch T, Ludman E, Wagner EH, **Ralston JD**. Eliciting Values of Patients with Multiple Chronic Conditions: Evaluation of a Patient-centered Framework. *AMIA Annu Symp Proc.* 2017.
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9. *Berry ABL, Lim C, Hartzler A, Hirsch T, Ludman E, Wagner EH, **Ralston JD**. Creating Conditions for Patients' Values to Emerge in Clinical Conversations: Perspectives of Health Care Team Members. *Proceedings of DIS (Des Interact Syst Conf).* 2017 Jun;2017:1165-1174. PMC5589444.
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9. Eschler J, Meas PL, Lozano P, McClure JB, **Ralston JD**, and Pratt W. Integrating the patient portal into the health management work ecosystem: user acceptance of a novel prototype. *AMIA Annu Symp Proc.* 2017 Feb 10;2016:541-550. PMC5333335.
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15. Eschler J, O'Leary K, Kendall L, **Ralston JD**, Pratt W. Systematic inquiry for design of health care information systems: an example of elicitation of the patient stakeholder perspective. *In Proc Annu Hawaii Int Conf Syst Sci*. 2015 Jan 5; 2015: 2804–2813. PMC5647156.
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Other Peer-Reviewed Scholarly Publications

1. **Ralston JD**, Larson EB. Crossing to safety: transforming healthcare organizations for patient safety. *J Postgrad Med*. 2005 Jan-Feb;51(1):61-7.
2. Hartzler A, McCarty CA, Rasmussen LV, Williams MS, Brilliant M, Bowton EA, Clayton EW, Faucett WA, Ferryman K, Field JR, Fullerton SM, Horowitz CR, Koenig BA, McCormick JB, **Ralston JD**, Sanderson SC, Smith ME, Trinidad SB. Stakeholder engagement: a key component of integrating genomic information into electronic health records. *Genet Med*. 2013 Oct;15(10):792-801. PMC3909653.

Other Non-Peer-Reviewed Scholarly Publications

1. **Ralston JD**, Wagner EH. "Comprehensive Chronic Disease Management" in Goldman's Cecil Medicine (Ed. Lee Goldman and Andrew Shafer), Chapter 11, 26th Edition. Philadelphia PA: Elsevier/Saunders, 2019.
2. Nazi KM, Hogan TP, Woods S, Simon SR, **Ralston JD**. "Consumer Health Informatics: Engaging and Empowering Patients and Families" in *Clinical Informatics Study Guide: Text and Review* (ed. John T. Finnell, Brian Dixon), Chapter 19, First Edition. Switzerland: Springer, 2015.
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H. Patents and Other Intellectual Property

HealthReach Mobile, BSD Open Source Software License for configuration of a University of Washington Mobile Electronic Shared Medical Record for Patients with Diabetes 2009.

I. Funding History

Current Research Funding

Agency	Title	Dates	PI	Role
PCORI	Comparing Two Approaches to Preventing Severe Hypoglycemia	11/2020-3/2024	Ralston	PI
AHRQ	CATALyST: Consortium for Applied Training to Advance the Learning Health System with Scholars/Trainees	09/2018-9/2023	Ralston/Lozano	Co-PI
NIH	Molecular Clonality of Uropathogenic E. Coli.	04/2020-03/2025	Sokurenko	Co-Investigator
AHRQ	Care System Analytics to Support Primary Care Patients with Complex Medical and Social Needs	10/1/19-9/30/23	Grant	Co-Investigator
NIH	Remote Monitoring to	07/21/21-	Lyles	Co-Investigator

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	Improve Hypertension Control Among Diverse Patients	06/30/25		
NIA	Reclaiming and Revitalizing ACT Neuroimaging Records	09/01/18-09/31/23	McDonald	Co-Investigator
NIA	Adult Changes in Thought Research Program	05/15/21-04/30/26	Larson	Co-Investigator
NIA	Star Caregivers	09/21/18-08/31/23	Penfold	Co-Investigator
Donaghue Foundation	Value-based Formulary-Essentials: Testing and Expanding on Value in Prescription Drug Benefit Design	07/01/19-12/31/22	Yeung	Co-Investigator
NCI	Multilevel Interventions to Increase Adherence to Lung Cancer Screening	07/01/21-06/30/26	Wernli	Co-Investigator
Kaiser Permanente	Kaiser Permanente Research Bank	06/2017-12/2023	Horberg	Co-Investigator

Selected Past Research Funding

Agency	Title	Dates	PI	Role
Garfield Fund	Impact of COVID-19 on Patients with High Social and Medical Needs.	9/1/2020-2/28/2022	Grant	Co-Investigator
NLM	Seeing and Sharing What Matters: Personal Health Libraries for Individuals with Multiple Chronic Conditions (R01)	9/7/17-8/31/22	Ralston	PI
AHRQ	Understanding & Honoring Priorities in Patients with Multiple Chronic Conditions (R01)	09/01/14-08/31/18	Ralston	PI
AHRQ	Patient Reminders and Notifications (R01)	06/01/13-05/31/17	Ralston	PI
RWJF	Open Notes in Dissemination and Evaluation	10/15/15-10/14/18	Delbanco	Co-Investigator
NHGRI	Health Care System-Led Familial Risk Notification: Design and Ethical Assessment	09/20/18-06/30/22	Henrikson	Co-Investigator
CMS	Comprehensive Primary Care Initiative	08/01/12-05/31/17	Brown	Co-Investigator
Garfield Fund	Meaningful Outcomes and Missed Opportunities in Patients with Complex Needs	08/01/18-03/31/20	Grant	Co-Investigator
NHGRI	Genetic Discovery and Application in a Clinical Setting: Continuing a Partnership (U01)	08/15/11-07/31/15	Larson, Jarvik	Co-Investigator

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NHGRI	The Electronic Medical Records and Genomics (eMERGE) Network, Phase III (U01)	09/01/15-4/31/20	Larson, Jarvik	Co-Investigator
RWJF	Open Notes in Primary Care	06/01/13-07/30/15	Delbanco	Co-investigator
GHRI Development Fund	Formative Evaluation of GHC's New Model of Care	02/01/13-12/31/14	Wagner	Co-Investigator
RWJF	The Primary Care Team: Learning from Effective Practices	02/01/12-07/31/14	Wagner	Clinical Expert
NIMH	Patient Portal to Support Treatment Adherence (R01)	03/06/08-02/28/13	Catz	Co-Investigator
NHLBI	Long-Term Outcomes and Costs of Web-Based Hypertension Care (e-BPLT; R01)	12/01/09-11/30/13	Green	Co-Investigator
GHRI Development Fund	System-level Tools for Helping Doctors and Patients Know Cancer Treatment Costs in Real Time	05/01/12-12/31/12	Henrickson	Co-Investigator
AHRQ	Medications and Outcomes (R21)	09/30/10-09/29/12	Grembowski	Co-Investigator
RWJF	Open Notes in Primary Care Implementation Evaluation	06/01/09-11/30/11	Delbanco	Co-Investigator
AHRQ	Shared Medical Records and Chronic Illness Care (R01)	05/01/07-04/30/12	Ralston	PI
NIH	Optimal Assessment of HAART Adherence in Routine Clinical Care (R01)	01/01/08-08/31/10	Crane	Co-Investigator
NIH	Pilot Trial of Depression Care by Secure Messaging (R21)	08/01/08-07/31/11	Simon	Co-Investigator
RWJF	Project Health Design, Phase II: Connecting Patients and Providers to Improve Diabetes Care: Assessing Provider-Side Implementation Feasibility of a Mobile Personal Health Application	01/01/09-11/30/09	Ralston	PI
AHRQ	Diabetes Mellitus, Comorbid Conditions and Mortality (R21)	09/01/08-09/29/09	Grembowski	Co-Investigator
RWJF	Project Health Design	01/01/07-02/28/09	Ralston	PI
RWJF	Home-based Management of Chronic Disease: the NICHE Consortium	09/01/05-02/28/09	Ralston	PI

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AHRQ	Evaluation of Group Health's Access Initiative (R01)	9/30/06-9/29/09	Grembowski	Co-Investigator
CHF	Using Interoperable Mobile Phone Applications to Manage Daily Events in Diabetes Care	02/15/08-05/31/08	Ralston	PI
NHLBI	Electronic Communications and Home Blood Pressure Monitoring (R01)	08/01/04-2/28/09	Green	Co-Investigator
AHRQ	Secure Messaging and Chronic Illness Care (R03)	09/01/04-12/30/05	Ralston	PI
RWJF	A Randomized Controlled Trial of Diabetes Disease Management Over the Internet	10/01/03-02/28/06	Goldberg	Co-Investigator
Aventis-Pasteur	Outcomes and Cost Consequences of Using an Internet Co-Management Module to Improve Quality of Type 1 Diabetes Care	07/01/04-06/30-06	Goldberg	Co-Investigator
RWJF	Evaluation of Group Health's Access Initiative	11/01/04-10/30/06	Grembowski	Co-Investigator
NHLBI	Re-engineering the Clinical Research Enterprise: Feasibility of Integrating and Expanding the Clinical Research Networks	10/01/04-09/30/07	Larson	Co-Investigator responsible for information technology deliverables
Center for Health Management and Research	A Randomized Controlled Trial of Diabetes Disease Management Over the Internet	1/1/04 – 6/30/04	Goldberg	Co-Investigator

J. Selected Conferences and Symposia

1. Invited speaker, Making Data Actionable: Dashboards to Address Social Determinants of Health in Care. Academy Health Annual Research Meeting, June 2022, Washington DC.
2. Invited speaker, Hypoglycemia in Patients Living with Type 2 Diabetes. Diabetes Update 2022: University of Washington Continuing Nursing Education, March 2022.
3. Presenter, Patient Health Information Needs, AHRQ National Webinar, May 2015.
4. Invited speaker, Is Mobile Taking Over: Group Health Cooperative's Early Experience. Academy Health Annual Meeting, June 2014.
5. Co-leader, Secure Messaging Curriculum for Residents. Workshop at Northwest Society for General Internal Medicine Annual Meeting, Portland Oregon, 2013.
6. Invited speaker, Open Notes: Toward Further Transparency in Healthcare. Academy Health Annual Meeting, June 2011.
7. Invited testimony, Meaningful Use Workgroup for Electronic Health Records, Office of the National Coordinator for Health Information Technology. April 2010 Washington DC.
8. Invited participant, Building Bridges: Consumer Needs and the Design of Health Information Technology, Agency for Healthcare Research and Quality, July 27-28, 2009.
9. Invited panelist, Policy Implications of Personal Health Records, Project HealthDesign Expo, September 2008, Washington DC.

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10. NIBIB/NHLBI/NSF Workshop on point of care technologies. Patient Portals: Connecting Clinicians and Patients at Home: Crystal City, Maryland. April 12, 2006.
11. Invited speaker, MyGroupHealth Web Portal and Shared Medical Records with Patients. AHRQ Annual Patient Safety and Health Information Technology Conference, Washington DC. May 2006.
12. Invited public testimony: American Health Information Community: AHIC Chronic Care Working Group: Shared Electronic Medical Records Between Patients and Providers. August 16th, 2006.
13. Invited speaker. MyGroupHealth: Connecting Patients and Providers. Markle Foundation's Connecting for Health, Annual National Meeting on Personal Health Records. Washington DC. December 2006.
14. Invited speaker and panel lead, Patient Centered Information Technology: Promises and Pitfalls. American Medical Informatics Association Annual Meeting, Washington DC. October 2005.
15. Invited speaker, Crossing to Safety: Transforming Healthcare Organizations for Patient Safety. Washington State Society for Healthcare Engineering, Yakima, Washington. September 2005.
16. Invited speaker, Research and Patient-Centered Informatics Design at Group Health Cooperative. Office of the National Coordinator for Health Information Technology. Washington DC. July 2005.
17. Invited speaker, Patient Centered Information Technology at Group Health Cooperative. AHRQ Annual Patient Safety and Health Information Technology Conference, Washington DC. May 2005.
18. Moderator, Table Topic on Patient Portals. AHRQ Annual Patient Safety and Health Information Technology Conference, Washington DC. May 2005.
19. Invited speaker, "Web services for patients at Group Health Cooperative." Connecting for Health, A Public Private Collaborative. Agency for Healthcare Research and Quality, Rockville Maryland, May 2004.
20. Topic Expert in Personal Health, National Health Information Infrastructure, Washington D.C. 2004.
21. Topic Expert in Health Information Technology and Chronic Care, Improving Chronic Illness Care, National Meeting. 2004.
22. Invited speaker, "Patient experience using a diabetes support program based on the electronic medical record." Society of General Internal Medicine, National Meeting, Vancouver BC, May 2003; HMO Research Network, Dearborn MI, May 2004.
23. Member, Expert Evaluation Group, CMS Chronic Disease Registry Evaluation. Baltimore, MD, 2003.

K. Professionally-related Community Service

Member, Safety Monitoring Committee Health Aging Resources to Thrive (HART) Study	2019 – Present
Co-Chair, Data and Informatics Strategy Committee, Kaiser Permanente Washington Health Research Institute	2016 – 2021
Member, Electronic Health Record Steering Committee, Group Health Cooperative	2012 – 2017
Member, Safety Monitoring Committee A Phase II Randomized, Partially-Blinded, Controlled Trial in Healthy Adults Aged 65 Years and Older to Assess the Safety, Reactogenicity, and Immunogenicity of an MF59-Adjuvanted, Monovalent Inactivated Influenza A/H7N9 Virus Vaccine Administered Intramuscularly at Different Intervals and Dosages	2014
Member, Safety Monitoring Committee A Phase II, Randomized, Open-Label Study to Evaluate the Safety and Immunogenicity of IMVAMUNE® Using Three Immunization Schedules and Two Modes of Deliver	2013
Member, Safety Monitoring Committee A Randomized, Double-Blinded, Controlled, Phase I Study in Healthy Adults to Assess the Safety, Reactogenicity, and Immunogenicity of Intramuscular Subvirion Inactivated Monovalent Influenza A/H5N1 Virus	2011

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Vaccine Administered at Different Dose Levels Given With and Without AS03 Adjuvant.	
Member, Clinical Information Oversight Committee, Group Health Permanente	2003 – 2010
Member, Safety Monitoring Committee, NIH phase I randomized study of the safety, dose escalation, and immunogenicity of adjuvanted influenzaA/Anhui/H5 boosting in subjects previously Immunized with one or two doses of A/Vietnam/1203/04 or in unprimed Individuals and compared to placebo	2010
Member, Safety Monitoring Committee, NIH Phase I/II randomized study of the safety and immunogenicity of vaccination strategies using one or two clades and different schedules of H5N1 unadjuvanted, inactivated subvirion influenza vaccines in H5 naïve healthy adults.	2008 – 2010
Personal Health Record Collaborator Network	2005
Member, Connecting for Health, A Markle Foundation public-private collaborative to bring the American healthcare system into the information age.	2004
Chair, Clinical Information Oversight Committee, Center for Health Studies, Group Health Cooperative	2003 – 2006
Member, Health Informatics Strategic Planning Team, Group Health Cooperative	2003 – 2006
Member, Patient Safety Committee, Group Health Cooperative	2004 – 2006
Member, Quality Assurance Committee, Virginia Mason Medical Center, Seattle WA	1997 – 1998
Member, Educational Policy Committee, Virginia Mason Medical Center, Seattle WA	1997 – 1998
Member, Hospitalist Development Committee, Virginia Mason Medical Center, Seattle WA	1997 – 1998
Member, Housestaff-Nursing Committee, Virginia Mason Medical Center, Seattle WA	1997 – 1998
Member, Pharmacy and Therapeutics Committee, Virginia Mason Medical Center, Seattle WA	1994 – 1995
Member, Medical Student Infection Control Committee, University of Washington School of Medicine, Seattle WA	1993 – 1994
Medical Advisor, Steven's Pass Ski Patrol	2004 – 2011

L. Teaching History

Guest Lectures

Biomedical and Health Informatics, University of Washington

1. Care Beyond the Clinic. Winter 2019, 2021, 2022
2. Is Mobile Taking Over: Group Health Cooperative's Early Experience. Spring, 2014
3. Inviting patients to read their doctor's notes: a quasi-experimental study, Fall 2012
4. Personal Health Records: Promises, Policies and Pitfalls, Spring 2011
5. Designing and testing mobile technologies for diabetes care at UW, Fall 2008
6. Testing a new paradigm of chronic care through the Northwest Immersive Computing Health Environments Consortium (NICHE), Fall 2007

Health Services PhD Seminar, University of Washington

1. Mobile technologies for diabetes care, promises and pitfalls, Fall 2008.
2. eHealth and changing the paradigm of care, Fall 2006

Health Services Physician Fellow Seminar, University of Washington

1. Mobile technologies for diabetes care, Fall 2008
2. eHealth and changing the paradigm of care, Fall 2006
3. Web portals and care of chronic conditions, Fall 2004

School of Nursing, University of Washington

1. Diabetes self-management support between office visits, Spring 2007

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2. Open Notes: a quasi-experimental study and look ahead. Spring 2014
3. CNE: Hypoglycemia in Patients Living with Type 2 Diabetes: Identification and Prevention. Spring 2022

Other Teaching

Introduction to Clinical Medicine I (ICM I), Small Group Leader, University of Washington School of Medicine, Seattle WA	7/01 – 7/03
Introduction to Clinical Medicine II ICM II Small Group Leader, University of Washington School of Medicine, Seattle WA	7/00 – 6/01
Group Facilitator, “Working with Patients--Survival Skills”, ICM II, University of Washington School of Medicine, Seattle WA	2000 – 2001
Faculty Examiner, Physical Exam, ICM I, University of Washington School of Medicine, Seattle WA	2001 – 2002
Attending Hospitalist, Virginia Mason Medical Center, Seattle WA,	2000 – 2003
Chief Medical Resident, Virginia Mason Medical Center, Seattle WA	1997 – 1998
Medical Student Tutor, Anatomy and Embryology, University of Washington School of Medicine, Seattle WA	1991

M. Advising and Formal Mentoring

PhD Dissertations, Chair or Co-Chair	
Lynne Harris, University of Washington School of Public Health Department of Health Services	8/05 – 6/12
Katherine Blondon, MD, U of Washington School of Public Health, Department of Health Services	2011 – 2013
Master Thesis, Chair	
MPH Emily McFadden, University of Washington School of Public Health Department of Department of Health Services	09/18- 2019
MPH William Weppner MD, University of Washington School of Public Health Department of Health Services	11/07 – 7/09
PhD Committees in Non-Chair Roles	
Member, PhD Dissertation Committee, Andrew Berry University of Washington Department of Human Centered Design and Engineering	12/17 – 3/19
Member, PhD Dissertation Committee, Walter H Curioso, MD University of Washington Department of Biomedical and Health Informatics	12/08 – 6/12
Member, PhD Dissertation Committee, Kelly McCarrier University of Washington School of Public Health Department of Health Services	11/06 – 7/09
Member, PhD Dissertation Committee, James Tufano University of Washington Department of Biomedical and Health Informatics	11/06 – 7/09
Mentored Scientists and Post-Doctoral Fellows	
Linnaea Schuttner, MD MS K12 Learning Health Systems Scholar (AHRQ, PCORI) Individual Career Development Award, Veterans Affairs HSRD	2019 – 2021 2022 – Present
Magaly Ramirez, PhD K12 Learning Health Systems Scholar (AHRQ, PCORI)	2019 – 2022
Andrea Hoopes, MD MPH K12 Learning Health Systems Scholar (AHRQ, PCORI)	2021 – Present
Courtney Lyles, PhD, Post-Doctoral Fellow University of Washington Department of Health Services	07/10 – 06/11
Courtney Lyles, PhD, Assistant Professor AHRQ K99: University of California, San Francisco Department of Medicine	08/13 – 07/18
Other Mentoring	
Tung Le, Masters of Science, University of Washington Department of	2006 – 2008

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Biomedical and Health Informatics
Robert Wood Johnson Clinical Scholar, Tammy Linn
University of Washington School of Medicine

7/03 – 7/04