

Johnson, Kevin B. Curriculum Vitae (8/28/23)

UNIVERSITY OF PENNSYLVANIA - PERELMAN SCHOOL OF MEDICINE
Curriculum Vitae

Kevin B. Johnson, M.D., M.S.

Address: University of Pennsylvania
3700 Hamilton Walk
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Philadelphia, PA 19104 USA

Citizenship: U.S. citizen

Education:

1983	B.S.	Dickinson College (Honors, Biology)
1987	M.D.	Johns Hopkins University School of Medicine (Medicine)
1992	M.S.	Stanford University (Medical Informatics)

Postgraduate Training and Fellowship Appointments:

1987-1990	Resident in Pediatrics, Johns Hopkins Hospital
1992-1993	Chief Resident in Pediatrics, Johns Hopkins University School of Medicine

Military Service:

[none]

Faculty Appointments:

1993-2001	Assistant Professor, Department of Pediatrics, Johns Hopkins Children's Center
1995-2001	Assistant Professor, Division of Biomedical Information Sciences, Johns Hopkins University School of Medicine
2001-2002	Associate Professor, Department of Pediatrics, Johns Hopkins Children's Center
2001-2002	Associate Professor, Division of Biomedical Information Sciences, Johns Hopkins University School of Medicine
2002-2009	Associate Professor and Vice Chair, Department of Biomedical Informatics, Vanderbilt University School of Medicine
2009-2011	Professor and Vice Chair, Department of Biomedical Informatics, Vanderbilt University School of Medicine
2009-2021	Professor, Department of Pediatrics, Vanderbilt University School of Medicine
2012-2021	Cornelius Vanderbilt Chair, Department of Biomedical Informatics, Vanderbilt University School of Medicine
2021- present	David L. Cohen University Professor, Department of Biostatistics, Epidemiology and Informatics (primary), Department of Pediatrics (secondary) Perelman School of Medicine, University of Pennsylvania; Department of Computer and Information Science (primary), Department of Bioengineering (secondary) School of Engineering and Applied Sciences; Annenberg School for Communication

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(secondary)

2022 – present Distinguished Research Fellow, Annenberg Public Policy Center

2022 – present Senior Fellow, Leonard Davis Institute of Health Economics at the University of Pennsylvania (Penn LDI)

Hospital and/or Administrative Appointments:

1990-1992 Pool Physician, Department of Pediatrics, Kaiser Permanente Hospital
1993-1998 Director, Pediatric Critical Pathways, Johns Hopkins University School of Medicine
2003-2012 Project Director, RxStar: electronic prescribing, Vanderbilt University School of Medicine
2012-2013 Interim Director, Office of Educational Informatics, Vanderbilt University Medical Center
2013-present Informatician-in-Chief, Vanderbilt University Medical Center
2013-2014 Assistant Vice Chancellor for Health Information Technology, Vanderbilt University Medical Center
2014-2019 Senior Vice President, Health Information Technology, Vanderbilt University Medical Center
2014-2019 Chief Informatics Officer, Vanderbilt University Medical Center
2019-2020 Interim Director, Center for Precision Medicine, Vanderbilt University Medical Center
2021-present Vice President, Applied Informatics, University of Pennsylvania Health System

Other Appointments:

[none]

Specialty Certification:

[none]

Licensure:

1990-1992 Medical License, State of California
1993-2007 Medical License, State of Maryland
1994-present Board Certification, Pediatrics
2002-present Medical License, State of Tennessee

Awards, Honors and Membership in Honorary Societies:

1982 Omicron Delta Kappa Scholastic Honorary Society
1982 Interfraternity Council Scholar of the Year
1983 Charles A. Hofstader Prize for Outstanding Graduating Male Senior
1986 American Association for Medical Systems and Informatics Publication Award
1986 Omega Psi Phi Scholarship for Outstanding Minority Medical Student in Baltimore

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- 1993 Alpha Omega Alpha Medical Honor Society
- 1997 Innovation Collection: Business and Related Services, the Computer World Smithsonian Awards awarded to Johns Hopkins Medicine Center for Information Services for EPR '95
- 1998 Minority Medical Faculty Development Award, The Robert Wood Johnson Foundation
- 2003 Fellow, American College of Medical Informatics
- 2007 Academy of Excellence in Teaching, Vanderbilt University
- 2008 Black Enterprise Magazine: America's Leading Doctors
- 2010 Cornelius Vanderbilt Endowed Chair
- 2010 American Pediatric Society
- 2010 Institute of Medicine/ National Academy of Medicine
- 2014 Johns Hopkins University Society of Scholars
- 2017 Alexander Heard Distinguished Service Professor
- 2018 Nashville Technology Council Hall of Fame
- 2020 Fellow, American Medical Informatics Association
- 2021 Fellow, International Academy of Health Sciences Informatics
- 2022 Fellow, American Institute for Medical and Biological Engineering

Memberships in Professional and Scientific Societies and Other Professional Activities:National:

- 1985-Present American Medical Informatics Association (Workgroup on the Computer-based Patient Record, 1993; Program Committee, 1999-2000; Chair, Meetings Committee,2003-2007; Track Co-chair, Program Committee, 2005; Board of Directors, 2005-2010; iHealth Co-chair, 2014)
- 1990-Present American Academy of Pediatrics (Executive Committee, Steering Committee on Clinical Information Technologies, 2000-2006; Chair, National Electronic MedicalRecord Committee, 2001-2002; Physician Advisory Committee, Child Health Informatics Center, 2010-2016)
- 1992-2001 Center for Case Management (Physician Consultant, 1992-2001)
- 1995-Present Academic (formerly Ambulatory) Pediatrics Association (Chapter Director of Communication, 1998-2000; Chair, Medical Informatics Special Interest Group,1999-2004)
- 1996-Present American Board of Pediatrics (Ad hoc Technology Advisory Committee, 1996-1997;PRCP Policy Committee, 1997; Research Subgroup Committee; Executive Committee, Council on Clinical Information Technology, 2000-2006; Residency Review and Redesign in Pediatrics, 2006-2007; Committee on Maintenance of Certification, 2007-2012; Informatics Advisory Committee, Chair, 2016-present)

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- 1996-2002 Shared Medical Systems (SMS) Corporation (Physician Advisory Panel, 1996-2002; Consultant, 1996-2001)
- 1999-2004 Agency for Healthcare Research & Quality Health Care Technologies and Decision Sciences Study Section (Study Section for Small Business Innovative Research Awards, 2001)
- 1999-Present National Library of Medicine (Study Section for Next Generation Internet (2) RFA 1999; Special Emphasis Panels 2000-2003; Board of Scientific Counselors, 2015-present Blue Ribbon Review Panel for NLM Intramural Programs, 2018) 2000-Present Information Technology in Children's Health Care Executive Committee
- 2002-2011 Institute of Medicine (Committee on Data Standards for Patient Safety, 2002-2004; Chair, National Electronic Medical Record Committee, 2002-2004; Committee on Identifying & Adverting Medication Errors Task Force, 2005-2007; Committee on Pediatric Health and Health Care Quality Measures, 2009-2011)
- 2003-Present American College of Medical Informatics (Member, Executive Committee, 2010-2013)
- 2003 National Institutes of Dental & Craniofacial Research
- 2006-Present National Institutes of Health (National Advisory Research Resources Council, 2006-2010; BD2K Ad hoc Study Section, 2014; Council of Councils, Chair, SRA Workgroup 2019-present)
- 2010-Present American Pediatric Society
- 2010-Present National Academy of Medicine (Institute of Medicine) (NAM Leadership Consortium, 2018-2022)
- 2013-Present Robert Wood Johnson Foundation (National Advisory Committee, Amos Medical Faculty Development Program, 2013-present, Chair 2021-present)
- 2014-2019 Vanderbilt PCOR Career Knowledge (Education and Training Program External Advisory Committee (Penson), 2014-2019)
- 2016-2017 HIT Standards Committee (FACA) (Office of the National Coordinator, 2016-2017) Local:
- 1994-1997 Newton Group, Apple Computing, Inc. (Physician Consultant, 1994-1997)
- 1996-1998 Johns Hopkins University School of Medicine, Baltimore, MD. (Grant reviewer for Pediatric Clinical Research Unit, 1996-1998)
- 1996-2001 New England Research Laboratories (Informatics Consultant, Hand-held

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- ComputerProject, 1996-2001)
- 1999-2004 Patientkeeper, Inc. (Medical Advisory Board Member, 1999-2004)
- 2007-2012 Oregon Health & Science University (OCTRI External Advisory Committee, 2007-2012 (Chair, 2009))
- 2009-2010 Laureate Education, Inc. (Consultant, 2009-2010)
- 2010-2012 NORC and ONC (Technical Advisory Group, "Evaluation of the State Health Information Exchange Cooperative Agreement Program", 2010-2012)
- 2010-2013 Westat, Incorporated (Technology Expert Panel, "Developing a Model EHR Formatfor Children", 2010-2013)
- 2013 Columbia University, Department of Biomedical Informatics (External AdvisoryCommittee, 2013)
- 2014 Boston Children's Hospital, Dr. Dan Nigrin (Consultant, 2014)2014
Stanford University, Dr. Arnold Milstein (Consultant, 2014)
- 2014-2021 Vanderbilt (Rothman/Rosenbloom/Harris) (Patient-centered Outcomes ResearchInstitute Executive Committee)
- 2014-2021 Vanderbilt University (Patient-centered Outcomes Research Institute Executive Committee, 2014-present)
- 2019-Present Stanford University Clinical Excellence Research Center (Consultant, 2019-present)2020-Present University of Michigan (Taubman Institute, 2020-present)
- 2020-Present Washington University, St Louis (I2 External Advisory Committee, 2020-present)
- 2021-present Academy Health Advisory Group, Washington DC
- 2021 CMSS-NAM-WHO Collaboration: Identifying Credible Sources of Health Information in Social Media

Editorial Positions:

- 1996-2001 Editor, Feedback Newsletter, Department of Pediatrics, JohnsHopkins Children's Center, Baltimore, Maryland
- 2001-2008 Editorial Board, Ambulatory Pediatrics
- 2003-2010 Assistant Editor and Director, Student Editorial Board, Journal ofthe American Medical Informatics Association (JAMIA)

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- 2010-2015 Associate Editor, JAMIA
- 2020 Guest Editor, Journal of Health Care for the Poor and Underserved(JHCPU)
- 2021-Present Editorial Board, JAMA Health Policy Forum

Academic and Institutional Committees (last 10 years):

- 2013-2014 Vanderbilt Genetics Institute Director Search Committee, Vanderbilt University School of Medicine
- 2013-2014 Vanderbilt University Strategic Planning Executive Committee, Vanderbilt University School of Medicine
- 2013 Cornelius Vanderbilt Chair Appointment Committee, Vanderbilt University School of Medicine
- 2014 Schmerling Chair Appointment Committee, Vanderbilt University School of Medicine
- 2015-2018 Executive Committee of the Executive Faculty, Vanderbilt University School of Medicine
- 2019-2020 Department of Biostatistics Chair Search Committee, Vanderbilt University School of Medicine
- 2021 Knights Templar Eye Foundation Directorship in Pediatric Vision Research Appointment Committee, Vanderbilt University School of Medicine
- 2022 President's Engagement Prize, University of Pennsylvania
- 2022 Search Committee, Department of Biostatistics, Epidemiology and Informatics, University of Pennsylvania

Major Academic and Clinical Teaching Responsibilities:

- 1992-2001 Ward Attending, Johns Hopkins Children's Center
- 1994-2002 Preceptor, Harriet Lane Primary Care Clinic (1/2 day a week), Johns Hopkins Children's Center
- 1995-2001 Hopkins Children's Center. Instructor, "Pediatrics and the Internet", Pediatrics for the Practitioner Course, Johns Hopkins Hospital, Baltimore, Maryland.
- 1995-1998 Research supervision, Christoph Lehmann, M.D., (Fellowship research project) Neonatology, Medical Informatics, Johns Hopkins School of Medicine, Baltimore, Maryland. Dr Lehmann was a recipient of the Schwenker Research Award, 1998. Current position: Professor, Pediatrics, Department of Population and Data Sciences; Director, Clinical Informatics Center, Lyda Hill Department of Bioinformatics, UT Southwestern Medical Center.
- 1996-2000 Instructor, "Medical Informatics", Business of Medicine, Johns Hopkins University School of Medicine. (co-developed)
- 1996 Research supervision, Dennis Brooks, M.D., M.P.H., Johns Hopkins Medical Services Corporation, Baltimore, Maryland, Merck & Co. West Point, Pennsylvania. Current position: Senior Medical Director, Merck Vaccine Division.

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- 1997-1998 Instructor, "Medical Informatics", Physicians and Society, Johns Hopkins University School of Medicine (developed)
- 1998-2001 Teaching Attending, Johns Hopkins Children's Center
- 1998-2001 Research supervision, Mark Adler, M.D., Fellow, Emergency Medicine, Johns Hopkins Department of Pediatrics. Current position: Professor of Pediatrics (Emergency Medicine) and Medical Education, Northwestern University's Feinberg School of Medicine.
- 1998-1999 Research supervision, Wayne Brandes, D.O., M.P.H., Medical Informatics, Johns Hopkins School of Public Health, Baltimore, Maryland. Current position: Principal Informatics Scientist, American Institutes for Research.
- 1998-2000 Research supervision: Robert Grundmeier, M.D., Pediatrics, Medical Informatics, Children's Hospital of Philadelphia, Philadelphia, Pennsylvania. Dr. Grundmeier was a recipient of a National Library of Medicine Applied Informatics Fellowship (Co-sponsor: Kevin Johnson, M.D.). Current position: Attending Physician and Director of Clinical Informatics, Department of Biomedical and Health Informatics, Children's Hospital of Philadelphia.
- 1999-2000 Research supervision, John Co, M.D., Fellow, General Pediatrics, Harvard Pediatric Health Services, The Mass-General Hospital for Children Center for Child and Adolescent Health Policy, Boston, Massachusetts. Current position: Associate Director of Graduate Medical Education, Partners Healthcare.
- 1999-2001 Research supervision, Jessica Zeaske, Dr. PH, Johns Hopkins University School of Public Health, Baltimore, Maryland. Current position: Associate Director, Venture Center, Office of Business Development, University of Minnesota.
- 2000-2002 Research supervision, Matthew Kim, M.D., Endocrinology, Medical Informatics, Johns Hopkins School of Medicine, Baltimore, Maryland, Dr. Kim was a recipient of a National Library of Medicine Applied Informatics Fellowship (Sponsor: Kevin Johnson, M.D.). Current position: Assistant Professor, Johns Hopkins University School of Medicine.
- 2002-2008 Biomedical Informatics Area Director, Emphasis Program Vanderbilt University School of Medicine, continuous enrollment (co-developed)
- 2002-2006 Research supervision, Joel Aronoff, Masters Degree candidate, Department of Biomedical Informatics, Vanderbilt University. Current position: Clinical Terminology Specialist, Thomson Micromedex, Inc. Greenwood Village, Colorado.
- 2002-2005 Research supervisor, Stephany Duda, M.S., Ph.D., Department of Biomedical Informatics, Vanderbilt University, (Chair, Master's thesis committee). Current position: Associate Professor of Biomedical Informatics, Vanderbilt University School of Medicine.
- 2003-2004 Instructor, "Introduction to Disease Processes", Biomedical Informatics, Vanderbilt University School of Medicine (co-developed)
- 2003-2013 Instructor, "Care Provider Order Entry", Medical Informatics, Marine Biological Laboratory, Woods Hole, MA.
- 2003-2007 Ward Attending, Vanderbilt Children's Hospital
- 2004-2008 Instructor, "Evaluation in Informatics", Medical Informatics, Marine Biological Laboratory, Woods Hole, MA.

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- 2004-2009 Research supervision, Minhui Xie, M.D., M.S., Department of Biomedical Informatics, Vanderbilt University (Chair, Master's thesis committee). Current position: Bassett Medical Center, Cooperstown, New York.
- 2005-2010 Instructor, "Reading the Literature", Vanderbilt University School of Medicine, (developed)
- 2005-2012 Instructor, "Introduction to Biomedical Informatics", Vanderbilt University School of Medicine.
- 2005-2010 Course Director, Foundations of Biomedical Informatics, Department of Biomedical Informatics, Vanderbilt University (substantially revised)
- 2005-2007 Teaching Attending, Vanderbilt Children's Hospital
- 2005-2008 Research supervision, Tyler Berutti, M.D., M.S., Department of Biomedical Informatics, Vanderbilt University (Master's thesis committee). Current position: Physician, MEDNAX, Health Solutions Partner
- 2006-2009 Research supervisor, Jacob Weiss, M.S., Ph.D., Department of Biomedical Informatics, Vanderbilt University (Ph.D. thesis committee member). Current position: Social Entrepreneur Using Circus Entertainment & Social Media to Build Communities and Cancer Awareness, Founder and Director, Playing By Air Productions, Director at Catch It Early, Director at High-Wired Communities.
- 2006-2009 Research supervision, Kim Unertl, M.S., Ph.D., Department of Biomedical Informatics, Vanderbilt University, (Master's and Ph.D. thesis committee member). Current position: Associate Professor of Biomedical Informatics, Department of Biomedical Informatics, Vanderbilt University School of Medicine.
- 2007-2010 Instructor, "Information Technology for Quality and Safety", Foundations of the Medical Profession, Vanderbilt University School of Medicine, (co-developed)
- 2008-2009 Instructor, "Personal Health Records", Medical Informatics, Marine Biological Laboratory, Woods Hole, MA.
- 2009 Instructor, "Biomedical Informatics and Its Role in a Quality Healthcare System", Owen School of Business, Vanderbilt University, (invited by Senator Bill Frist)
- 2009 Instructor, "Biomedical Informatics and Its Role in a Quality Healthcare System," Belmont School of Pharmacy, Belmont University.
- 2009-2011 Research supervision, Shane Stenner, M.D., M.S., Department of Biomedical Informatics, Vanderbilt University (Master's thesis committee). Current position: Assistant Professor of Biomedical Informatics, Department of Biomedical Informatics, Vanderbilt University School of Medicine.
- 2009-2012 Research supervision, Naqi Khan, M.D., M.S., Department of Biomedical Informatics, Vanderbilt University (Master's thesis committee). Current position: Principal Program Manager, HealthAI, Microsoft, Seattle, Washington.
- 2009-2016 Research supervision, Joshua C. Smith, M.S., Department of Biomedical Informatics, Vanderbilt University (Ph.D. thesis committee). Current position: Assistant Professor in the Department of Biomedical Informatics, Vanderbilt School of Medicine.
- 2010 Instructor, "Evaluation in Informatics", Medical Informatics, Marine Biological Laboratory, Woods Hole, MA.
- 2012-2013 Instructor, "Personal Health Records", Medical Informatics, Marine Biological

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Laboratory, Woods Hole, MA.
2013-2015 Research supervision, Michael W. Temple, M.D., M.S., Department of Biomedical Informatics, Vanderbilt University (Master's thesis committee).

Lectures by Invitation (Last 5 years):

Apr, 2019 Presentation: LawSeq: Building a Legal Foundation for Translating Genomics into Clinical Application, University of Minnesota.
Apr, 2019 MGR Speaker/Grand Rounds (Bleich Lectureship), Harvard (BIDMC - Clinical Informatics), Cambridge, MA.
Jun, 2019 Keynote speaker, Southeast Health IT Summit, Healthcare Innovation.
Oct, 2019 Clinical Informatics Grand Rounds, Mayo Clinic, Rochester, MN.
Dec, 2019 Institute for Informatics (I2) Special Speaker, Washington University School of Medicine/Medical Center, St. Louis, MO.
Sep, 2020 LHS Collaboratory: Academic Medical Centers as Learning Health Systems Seminar Series, University of Michigan, Ann Arbor, MI.
Sep, 2020 Annual Sedman Pediatric Informatics Lecture, University of Michigan, Ann Arbor, MI.
Sep, 2020 Fall 2020 Bioengineering Seminar series, University of Pennsylvania, Department of Bioengineering, Philadelphia, PA.
Nov, 2020 EMR/Digital Medicine lecture, University of Pennsylvania, Philadelphia, PA.
Feb, 2021 Speaker/presenting at the 13th meeting in a series of genomic medicine meetings, NHGRI.
Apr, 2021 Speaker: Biomedical Informatics Grand Rounds, University of Utah.
Feb, 2022 Lake Nona Impact Forum Speaker, Orlando, FL
Mar, 2022 Penn Institute for Computational Sciences, University of Pennsylvania, Philadelphia, PA
May, 2022 Joint Commission Board Retreat, Keynote Speaker, Nashville, TN
Nov, 2022 University of Nebraska Medical Center, Children's Health Research Institute Grand Rounds, Omaha NE
Dec, 2022 Engaging Minds Speaker for President Liz Magill, New York, NY
Feb, 2023 DBEI/ CCEB Seminar Speaker, University of Pennsylvania, Philadelphia, PA

Organizing Roles in Scientific Meetings:

Nov, 2000 Scientific Program Committee, AMIA Fall Symposium Los Angeles, CA
Oct, 2001 Chair, Program Committee, American Academy of Pediatrics (AAP) Council on Clinical Information Technology, AAP National Conference and Exhibition, San Francisco, CA
Apr, 2005 Track Co-chair, Program Committee, American Medical Informatics Association Spring Congress, Boston, MA
Apr, 2006 Chair, Program Committee, American Medical Informatics Association Spring Congress, Phoenix, AZ
Feb, 2023 Chair, Program Committee, American College of Medical Informatics

Bibliography:

Research Publications, peer reviewed (print or other media):

1. Golden DB, Johnson KB, Addison BI, Valentine M.D., Kagey-Sobotka A, and Lichtenstein, LM: Clinical and immunologic observations in patients who stop venom immunotherapy. *Journal of Allergy and Clinical Immunology* 77(3): 435-42, 1986.
2. Johnson KB, Soule LM, Borkon AM, Kahane SN, and Johannes RS: A microcomputer-based data-entry system supporting epidemiologic research for cardiovascular and transplant surgery. *American Association for Medical Systems and Informatics Proceedings 1986 Notes: Proceeding represents original peer-reviewed research.*
3. Johnson KB, Poon A, Shiffman S, Lin R, and Fagan, LM: A history-taking system that uses continuous speech recognition. *Proceedings of the Symposium on Computer Applications in Medical Care*. Philadelphia: Hanley and Belfus, Inc. Page: 757-61, 1992 Notes: Proceeding represents original peer-reviewed research.
4. Poon A, Johnson KB, Fagan LM: Augmented transition networks as a representation for knowledge-based history-taking systems. *Proceedings of the Symposium on Computer Applications in Medical Care*. Philadelphia: Hanley and Belfus, Inc. Page: 757-6, 1992.
5. Shiffman S, Lane CD, Johnson KB, Fagan LM: The integration of a continuous-speech-recognition system with the QMR diagnostic program. *Proceeding of the Symposium on Computer Applications in Medical Care*. Philadelphia: Hanley and Belfus, Inc. Page: 767-71, 1992 Notes: Proceeding represents original peer-reviewed research.
6. Johnson KB, Feldman MJ: Medical informatics and pediatrics: Decision support systems. *Archives of Pediatrics and Adolescent Medicine* 149(12): 1371-80, 1995.
7. Johnson KB, Butta JK, Donohue PK, Glenn DJ, Holtzman NA: Discharging patients with prescriptions instead of medications: Sequelae in a teaching hospital. *Pediatrics* 97(4): 481-5, Apr 1996.
8. McDonald CJ, Pincetl P, Johnson KB, Stead WW, Brill J: Implementing a physician order entry system: Perspectives from five physicians. *Proceedings of the Symposium on Healthcare, Information and Management Systems Society Conference, Atlanta, GA, 1996 Notes: Proceeding represents original peer-reviewed research.*
9. Johnson KB, George EB: The rubber meets the road: Integrating the Unified Medical Language System Knowledge Source Server into the computer-based patient record. *Proceedings of the AMIA Fall Symposium*. Philadelphia, Hanley and Belfus, Inc. Page:

- 17-21, 1997 Notes: Proceeding represents original peer-reviewed research.
10. Lehmann CU, Wang DJ, Kim GR, Johnson KB: Utilization of a pediatric link collection by health professionals and lay persons. *Medical Informatics* 23(1):53-62, Jan-Mar 1998.
 11. Johnson KB, Grundmeier R: Housestaff attitudes toward computer-based clinical decision support. *Proceedings of the AMIA Fall Symposium* Page: 266-70, 1999 Notes: Proceeding represents original peer-reviewed research.
 12. Johnson KB, Ravert RD, Everton A: Internet TV set-top devices for web-based projects: Smooth sailing or rough surfing? *Proceedings of the AMIA Fall Symposium* Page: 535-9, 1999 Notes: Proceeding represents original peer-reviewed research.
 13. Lehmann CU, Nguyen B, Kim GR, Johnson KB, Lehmann HP: Restricted natural language processing for case simulation tools. *Proceedings of the AMIA Fall Symposium* Page: 575-9, 1999 Notes: Proceeding represents original
 14. peer-reviewed research.
 15. Johannes CB, Crawford SL, Woods J, Goldstein RB, Tran D, Mehrotra S, Johnson KB, Santoro N: An electronic menstrual cycle calendar: Comparison of data quality with a paper version. *Menopause* 7(3): 200-8, May-Jun 2000.
 16. Adler M.D., Johnson KB: Quantifying the literature of computer-aided instruction in medical education. *Academic Medicine* 75(10): 1025-8, Oct 2000.
 17. Johnson KB, Everton A, Ravert R: Hopkins Teen Central: Assessment of an Internet-based Support System for Children with Cystic Fibrosis. *Pediatrics* 107(2): E24, Feb 2001.
 18. Pusic MV, Johnson K, Duggan AK: Utilization of a Pediatric Emergency Department Education Computer. *Archives of Pediatrics and Adolescent Medicine* 155(2): 129-34, Feb 2001.
 19. Blum J, Kramer JM, Johnson KB: The Palm as a Real-Time Wide-Area Data-Access Device. *Proceedings of the AMIA Fall Symposium* Page: 52-6, 2001 Notes: Proceeding represents original peer-reviewed research.
 20. Johnson KB: Barriers that impede the adoption of pediatric information technology. *Archives of Pediatrics and Adolescent Medicine* 155(12): 1374-9, Dec 2001.
 21. Johnson KB, Blaisdell CJ, Eggleston PE, Walker A: Effectiveness of a critical pathway

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- for inpatient asthma management. *Pediatrics* 106(5): 1006-12, 2001.
22. Johnson KB, Cowan J: Clictate: A Computer-based Documentation Tool for Guideline-based Care. *Journal of Medical Systems* 26(1): 47-60, Feb 2002.
 23. Kim MI, Johnson KB: Personal Health Records: Evaluation of Functionality and Utility. *Journal of the American Medical Informatics Association* 9(2): 171-80, Mar-Apr 2002.
 24. Johnson KB, Serwint JR, Walker A, Faris R, Lee CCK: Assessing the Effectiveness of Electronic Prescribing in Pediatrics: The PedsSTEP Project. *Topics in Health Information Management* 23(2): 57-68, 2002.
 25. Kim MI, Ladenson PW, Johnson KB: A Situational Approach to the Design of a Patient-Oriented Disease-Specific Knowledge Base. *Proceedings of the AMIA Fall Symposium* Page: 385-9, 2002 Notes: Proceeding represents original peer-reviewed research.
 26. Zapp JA, Little D, Johnson KB, Teasdale S, Zuckerman A: A United States National Strategy in Primary Care Informatics. *Proceedings of the AMIA Fall Symposium 2002* Notes: Proceeding represents original peer-reviewed research.
 27. Co JP, Johnson KB, Duggan AK, Casella JF, Wilson M: Does a clinical pathway improve the quality of care for sickle cell anemia? *Joint Commission Journal on Quality and Safety* 29(4): 181-90, Apr 2003.
 28. Adler MD, Duggan A, Ogborn CJ, Johnson KB: Assessment of a Computer-aided Instructional Program for the Pediatric Emergency Department. *Proceedings of the AMIA Fall Symposium* Page: 6-10, 2003.
 29. Little DR, Zapp JA, Mullins HC, Zuckerman AE, Teasdale S, Johnson KB: Moving toward a United States strategic plan in primary care informatics: a White Paper of the Primary Care Informatics Working Group, American Medical Informatics Association. *Informatics in Primary Care* 11(2): 89-94, 2003.
 30. Rosenbloom ST, Awad J, Speroff T, Elkin PL, Rothman R, Spickard A III, Peterson J, Bauer BA, Wahner-Roedler DL, Lee M, Gregg W, Johnson KB, Jirjis J, Erlbaum MS, Carter JS, Lincoln MJ, Brown SH: Adequacy of representation of the National Drug File Reference Terminology Physiologic Effects reference hierarchy for commonly prescribed medications. *Proceedings of the AMIA Fall Symposium* Page: 569-78, 2003 Notes: Proceeding represents original peer-reviewed research.
 31. Shultz E, Rosenbloom T, Kiepek W, Fitzhenry F, Adams P, Mahuli A, Shuxteau K, Culley A, Camp D, Luther M, Irani W, Johnson KB: Quill: a novel approach to structured reporting. *Proceedings of the AMIA Fall Symposium* Page: 1074, 2003 Notes:

Proceeding represents original peer-reviewed research.

32. Kim MI, Johnson KB: Patient Entry of Information: Evaluation of User Interfaces. *Journal of Medical Internet Research* 6(2): e13, May 2004.
33. Neilson EG, Johnson KB, Rosenbloom ST, Dupont WD, Talbert D, Giuse DA, Kaiser A, Miller RA: The Impact of Peer Management on Test Ordering Behavior. *Annals of Internal Medicine* 141(3): 196-204, Aug 2004.
34. Johnson KB, Ravich WJ, Cowan J: Brainstorming about Next-Generation Computer-based Documentation: An AMIA Clinical Working Group Survey. *International Journal of Medical Informatics* 73(9-10): 665-74, Sep 2004.
35. Aronsky D, Aliferis CF, Johnson KB, Lorenzi N, Miller RA: Biomedical Informatics Training Program at Vanderbilt University. *IMIA Yearbook of Medical Informatics* Page: 165-74, 2004.
36. Rosenbloom ST, Kiepek W, Belletti J, Adams P, Shuxteau K, Johnson KB, Elkin PL, Shultz EK: Generating Complex Clinical Documents Using Structured Entry and Reporting. *Studies in Health Technology and Informatics* 107(Pt 1): 683-7, 2004.
37. Johnson KB, Serwint JR, Fagan LA, Thompson RE, Wilson MH: Computer-based Documentation: Effect on Parent and Provider Satisfaction during a Pediatric Health-Maintenance Encounter. *Archives of Pediatrics and Adolescent Medicine* 159(3): 250-4, Mar 2005.
38. Duda S, Aliferis C, Miller R, Statnikov A, Johnson KB: Extracting Drug-Drug Interaction Articles from MEDLINE to Improve the Content of Drug Databases. *Proceedings of the AMIA Fall Symposium* Page: 216-220, 2005 Notes: Proceeding represents original peer-reviewed research.
39. Johnson KB, Serwint JR, Fagan LA, Thompson RE, Wilson MH: Form or Function: Design Considerations for Electronic Prescription Writing Tools. *Human Computer Interaction (HCI) Proceedings 2005 Notes: Proceeding represents original peer-reviewed research.*
40. Johnson, KB, Fitzhenry F: Case Report: Activity diagrams for Integrating Electronic Prescribing Tools into Clinical Workflow. *Journal of the American Medical Informatics Association* 13(4): 391-5, July-Aug 2006.
41. Joos D, Chin Q, Jirjis J, Johnson KB: An Electronic Medical Record in Primary Care: Impact on Satisfaction, Work Efficiency and Clinic Processes. *Proceedings of the AMIA*

- Fall Symposium Page: 394-8, 2006 Notes: Proceeding represents original peer-reviewed research.
42. Unertl KM, Weinger MB, Johnson KB: Applying Direct Observation to Model Workflow and Assess Adoption. Proceedings of the AMIA Fall Symposium Page:794-8, 2006 Notes: Proceeding represents original peer-reviewed research.
 43. Rosenbloom ST, Crow AN, Blackford JU, Johnson KB: Cognitive Factors Influencing Perceptions of Clinical Documentation Tools. Journal of Biomedical Informatics 40(2): 106-13, Apr 2007.
 44. Unertl K, Johnson KB: Variation in Use of Informatics Tools Among Providers in a Diabetes Clinic. Proceedings of the AMIA Fall Symposium Page: 756-60, Oct 2007 Notes: Proceeding represents original peer-reviewed research.
 45. Hripcsak G, Kaushal R, Johnson KB, Ash JS, Bates DW, Block R, Frisse ME, KernLM, Marchibroda J, Overhage JM, Wilcox AB: The United Hospital Fund meeting on evaluating health information exchange. Journal of Biomedical Informatics 40(6 Suppl): S3-10, Dec 2007.
 46. Johnson, KB, Gadd, C: Playing smallball: approaches to evaluating pilot health information exchange systems. Journal of Biomedical Informatics 40(6 Suppl):S21-6, Dec 2007.
 47. Rosenbloom, ST, Miller, RA, Johnson, KB, Elkin, PL, Brown, SH: A model for evaluating interface terminologies. Journal of the American Medical Informatics Association 15(1): 65-76, Jan-Feb 2008.
 48. Johnson KB, Serwint JR, Fagan LA, Thompson RE, Wilson MEH, Roter D: Computer-Based Documentation: Effect on Parent-Provider Communication during a Pediatric Health-Maintenance Encounter. Pediatrics 122(3): 590-8, Sep2008.
 49. Denny JC, Miller RA, Johnson KB: Development and evaluation of a clinical note section header terminology. Proceedings of the AMIA Fall Symposium Page: 516-60, Nov 2008 Notes: Proceeding represents original peer-reviewed research.
 50. Denny JC, Spickard A III, Johnson KB, Peterson NB, Peterson JF, Miller RA: Development and evaluation of a clinical note section header terminology. Proceedings of the AMIA Fall Symposium Page: 156-60, Nov 2008.
 51. Johnson KB, Gadd C, Aronsky D, Yang K, Tang L, Estrin V, King JK, Frisse ME: The MidSouth eHealth Alliance: Use and impact in the first year. Proceedings of the AMIA

Fall Symposium Page: 333-7, Nov 2008 Notes: Proceeding represents original peer-reviewed research.

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| 1997 | Johns Hopkins University School of Medicine: Clictate - Structured reporting program, United States, |
| 2004 | Vanderbilt University Medical Center: RxSTAR electronic prescription writer. United States |
| 2007 | Vanderbilt University Medical Center: MyMediHealth - mobile medication management for children. United States |
| 2014 | No Matter Where - feature-length documentary about health information exchange. United States |
| 2018 | Living Through Going Live - short documentary chronicling the "go-live" of VUMC onto Epic. United States, 2018. |