Blackford Middleton

List of Publications by Year in Descending Order

127 papers	7,874 citations	43 h-index	87 g-index
136 ext. papers	8,810 ext. citations	5 avg, IF	5.52 L-index

#	Paper	IF	Citations
127	Summary of fourth annual MCBK public meeting: Mobilizing computable biomedical knowledge-metadata and trust.. *Learning Health Systems*, **2022**, 6, e10301	3	1
126	Summary of third annual MCBK public meeting: Mobilizing computable biomedical knowledge-Accelerating the second knowledge revolution. *Learning Health Systems*, **2021**, 5, e10255	3	
125	Clinical Decision-Support Systems **2021**, 795-840		7
124	Commercial Interests in Continuing Medical Education: Where Do Electronic Health Record Vendors Fit?. *Academic Medicine*, **2020**, 95, 1674-1678	3.9	0
123	Building and maintaining trust in clinical decision support: Recommendations from the Patient-Centered CDS Learning Network. *Learning Health Systems*, **2020**, 4, e10208	3	8
122	Summary of second annual MCBK public meeting: Mobilizing Computable Biomedical Knowledge-A movement to accelerate translation of knowledge into action. *Learning Health Systems*, **2020**, 4, e10222	3	2
121	Clinical decision support models and frameworks: Seeking to address research issues underlying implementation successes and failures. *Journal of Biomedical Informatics*, **2018**, 78, 134-143	10.2	65
120	The Imperative for Patient-Centered Clinical Decision Support. *EGEMS (Washington, DC)*, **2018**, 6, 12	2.2	14
119	Health Information Technology and Value **2017**, 99-114		
118	How Stakeholder Assessment of E-Prescribing Can Help Determine Incentives to Facilitate Management of Care: A Delphi Study. *Journal of Managed Care & Specialty Pharmacy*, **2017**, 23, 1130-1139	1.9	1
117	Crossing the health IT chasm: considerations and policy recommendations to overcome current challenges and enable value-based care. *Journal of the American Medical Informatics Association: JAMIA*, **2017**, 24, 1036-1043	8.6	32
116	The Chief Clinical Informatics Officer (CCIO): AMIA Task Force Report on CCIO Knowledge, Education, and Skillset Requirements. *Applied Clinical Informatics*, **2016**, 7, 143-76	3.1	39
115	Lessons learned from implementing service-oriented clinical decision support at four sites: A qualitative study. *International Journal of Medical Informatics*, **2015**, 84, 901-11	5.3	28
114	Multiple perspectives on clinical decision support: a qualitative study of fifteen clinical and vendor organizations. *BMC Medical Informatics and Decision Making*, **2015**, 15, 35	3.6	12
113	Presidents column: AMIAs policy priorities for 2014. *Journal of the American Medical Informatics Association: JAMIA*, **2014**, 21, 574	8.6	3
112	Putting the Sin iHealth. *Journal of the American Medical Informatics Association: JAMIA*, **2014**, 21, 192	8.6	
111	Measuring agreement between decision support reminders: the cloud vs. the local expert. *BMC Medical Informatics and Decision Making*, **2014**, 14, 31	3.6	8

110	An open platform for personal health record apps with platform-level privacy protection. *Computers in Biology and Medicine*, **2014**, 51, 14-23	7	11
109	A qualitative study of the activities performed by people involved in clinical decision support: recommended practices for success. *Journal of the American Medical Informatics Association: JAMIA*, **2014**, 21, 464-72	8.6	30
108	Chairmans column: health informatics and healthcare transformation--entering the post-EMR era. *Journal of the American Medical Informatics Association: JAMIA*, **2014**, 21, 1141-2	8.6	
107	A highly scalable, interoperable clinical decision support service. *Journal of the American Medical Informatics Association: JAMIA*, **2014**, 21, e55-62	8.6	22
106	Clinical Decision-Support Systems **2014**, 643-674		120
105	The Number Needed to Remind: a Measure for Assessing CDS Effectiveness **2014**, 2014, 506-15	0.7	3
104	A pilot study of distributed knowledge management and clinical decision support in the cloud. *Artificial Intelligence in Medicine*, **2013**, 59, 45-53	7.4	58
103	Design of decision support interventions for medication prescribing. *International Journal of Medical Informatics*, **2013**, 82, 492-503	5.3	77
102	Criteria for assessing high-priority drug-drug interactions for clinical decision support in electronic health records. *BMC Medical Informatics and Decision Making*, **2013**, 13, 65	3.6	34
101	Evaluating standard terminologies for encoding allergy information. *Journal of the American Medical Informatics Association: JAMIA*, **2013**, 20, 969-79	8.6	22
100	Healthcare information technology and economics. *Journal of the American Medical Informatics Association: JAMIA*, **2013**, 20, 212-7	8.6	26
99	Key principles for a national clinical decision support knowledge sharing framework: synthesis of insights from leading subject matter experts. *Journal of the American Medical Informatics Association: JAMIA*, **2013**, 20, 199-207	8.6	26
98	Drug-drug interactions that should be non-interruptive in order to reduce alert fatigue in electronic health records. *Journal of the American Medical Informatics Association: JAMIA*, **2013**, 20, 489-93	8.6	134
97	Enhancing patient safety and quality of care by improving the usability of electronic health record systems: recommendations from AMIA. *Journal of the American Medical Informatics Association: JAMIA*, **2013**, 20, e2-8	8.6	390
96	Governance for Clinical Decision Support **2013**, 203-227		
95	Randomized controlled trial of health maintenance reminders provided directly to patients through an electronic PHR. *Journal of General Internal Medicine*, **2012**, 27, 85-92	4	72
94	Interface design principles for usable decision support: a targeted review of best practices for clinical prescribing interventions. *Journal of Biomedical Informatics*, **2012**, 45, 1202-16	10.2	168
93	Use of order sets in inpatient computerized provider order entry systems: a comparative analysis of usage patterns at seven sites. *International Journal of Medical Informatics*, **2012**, 81, 733-45	5.3	31

92	A study of diverse clinical decision support rule authoring environments and requirements for integration. *BMC Medical Informatics and Decision Making*, **2012**, 12, 128	3.6	10
91	Recommended practices for computerized clinical decision support and knowledge management in community settings: a qualitative study. *BMC Medical Informatics and Decision Making*, **2012**, 12, 6	3.6	59
90	High-priority drug-drug interactions for use in electronic health records. *Journal of the American Medical Informatics Association: JAMIA*, **2012**, 19, 735-43	8.6	93
89	Effects of an online personal health record on medication accuracy and safety: a cluster-randomized trial. *Journal of the American Medical Informatics Association: JAMIA*, **2012**, 19, 728-34	8.6	67
88	Method of electronic health record documentation and quality of primary care. *Journal of the American Medical Informatics Association: JAMIA*, **2012**, 19, 1019-24	8.6	42
87	Bridging the chasm: effect of health information exchange on volume of laboratory testing. *Archives of Internal Medicine*, **2012**, 172, 517-9		15
86	Definition of a metadata model for a multi-layered clinical practice guideline representation framework. *International Journal of Functional Informatics and Personalised Medicine*, **2012**, 4, 47		1
85	Using a service oriented architecture approach to clinical decision support: performance results from two CDS Consortium demonstrations **2012**, 2012, 690-8	0.7	7
84	Comparison of Computer-based Clinical Decision Support Systems and Content for Diabetes Mellitus. *Applied Clinical Informatics*, **2011**, 2, 284-303	3.1	9
83	Clinical decision support in small community practice settings: a case study. *Journal of the American Medical Informatics Association: JAMIA*, **2011**, 18, 879-82	8.6	13
82	Scales for assessing self-efficacy of nurses and assistants for preventing falls. *Journal of Advanced Nursing*, **2011**, 67, 438-49	3.1	15
81	Comparison of clinical knowledge management capabilities of commercially-available and leading internally-developed electronic health records. *BMC Medical Informatics and Decision Making*, **2011**, 11, 13	3.6	38
80	Development and evaluation of a comprehensive clinical decision support taxonomy: comparison of front-end tools in commercial and internally developed electronic health record systems. *Journal of the American Medical Informatics Association: JAMIA*, **2011**, 18, 232-42	8.6	91
79	Clinician characteristics and use of novel electronic health record functionality in primary care. *Journal of the American Medical Informatics Association: JAMIA*, **2011**, 18 Suppl 1, i87-90	8.6	8
78	A multi-layered framework for disseminating knowledge for computer-based decision support. *Journal of the American Medical Informatics Association: JAMIA*, **2011**, 18 Suppl 1, i132-9	8.6	41
77	Governance for clinical decision support: case studies and recommended practices from leading institutions. *Journal of the American Medical Informatics Association: JAMIA*, **2011**, 18, 187-94	8.6	63
76	A legal framework to enable sharing of Clinical Decision Support knowledge and services across institutional boundaries **2011**, 2011, 925-33	0.7	11
75	Studying the vendor perspective on clinical decision support **2011**, 2011, 80-7	0.7	6

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74	The value from investments in health information technology at the U.S. Department of Veterans Affairs. *Health Affairs*, **2010**, 29, 629-38	7	51
73	Fall prevention in acute care hospitals: a randomized trial. *JAMA - Journal of the American Medical Association*, **2010**, 304, 1912-8	27.4	218
72	Self-reported familiarity with acute respiratory infection guidelines and antibiotic prescribing in primary care. *International Journal for Quality in Health Care*, **2010**, 22, 469-75	1.9	19
71	Implementing practice-linked pre-visit electronic journals in primary care: patient and physician use and satisfaction. *Journal of the American Medical Informatics Association: JAMIA*, **2010**, 17, 502-6	8.6	33
70	The state of the art in clinical knowledge management: an inventory of tools and techniques. *International Journal of Medical Informatics*, **2010**, 79, 44-57	5.3	76
69	Complementary methods of system usability evaluation: surveys and observations during software design and development cycles. *Journal of Biomedical Informatics*, **2010**, 43, 782-90	10.2	47
68	Order sets in computerized physician order entry systems: an analysis of seven sites **2010**, 2010, 892-6	0.7	22
67	Multiple perspectives on the meaning of clinical decision support **2010**, 2010, 1427-31	0.7	13
66	Creating shareable decision support services: an interdisciplinary challenge **2010**, 2010, 602-6	0.7	11
65	Identifying best practices for clinical decision support and knowledge management in the field. *Studies in Health Technology and Informatics*, **2010**, 160, 806-10	0.5	25
64	Toward scalable clinical decision support. *Open Medical Informatics Journal*, **2010**, 4, 233-4	1	
63	Effects of documentation-based decision support on chronic disease management. *American Journal of Managed Care*, **2010**, 16, SP72-81	2.1	23
62	Electronic health record feedback to improve antibiotic prescribing for acute respiratory infections. *American Journal of Managed Care*, **2010**, 16, e311-9	2.1	43
61	Creating and sharing clinical decision support content with Web 2.0: Issues and examples. *Journal of Biomedical Informatics*, **2009**, 42, 334-46	10.2	75
60	Clinical decision support capabilities of commercially-available clinical information systems. *Journal of the American Medical Informatics Association: JAMIA*, **2009**, 16, 637-44	8.6	110
59	Why do patients in acute care hospitals fall? Can falls be prevented?. *Journal of Nursing Administration*, **2009**, 39, 299-304	1.6	66
58	Improving primary care for patients with complex chronic diseases: can health information technology play a role?. *Cmaj*, **2009**, 181, 17-8	3.5	10
57	Documentation-based clinical decision support to improve antibiotic prescribing for acute respiratory infections in primary care: a cluster randomised controlled trial. *Journal of Innovation in Health Informatics*, **2009**, 17, 231-40		43

56	A set of preliminary standards recommended for achieving a national repository of clinical decision support interventions **2009**, 2009, 614-8	0.7	7
55	Survey analysis of patient experience using a practice-linked PHR for type 2 diabetes mellitus **2009**, 2009, 678-82	0.7	14
54	Fall TIPS: strategies to promote adoption and use of a fall prevention toolkit **2009**, 2009, 153-7	0.7	9
53	Fall TIP: validation of icons to communicate fall risk status and tailored interventions to prevent patient falls. *Studies in Health Technology and Informatics*, **2009**, 146, 455-9	0.5	8
52	The clinical decision support consortium. *Studies in Health Technology and Informatics*, **2009**, 150, 26-30	0.5	46
51	Grand challenges in clinical decision support. *Journal of Biomedical Informatics*, **2008**, 41, 387-92	10.2	406
50	"Smart Forms" in an Electronic Medical Record: documentation-based clinical decision support to improve disease management. *Journal of the American Medical Informatics Association: JAMIA*, **2008**, 15, 513-23	8.6	82
49	A research agenda for personal health records (PHRs). *Journal of the American Medical Informatics Association: JAMIA*, **2008**, 15, 729-36	8.6	275
48	The value proposition in the widespread use of telehealth. *Journal of Telemedicine and Telecare*, **2008**, 14, 167-8	6.8	47
47	Practice-linked online personal health records for type 2 diabetes mellitus: a randomized controlled trial. *Archives of Internal Medicine*, **2008**, 168, 1776-82		169
46	The value of provider-to-provider telehealth. *Telemedicine Journal and E-Health*, **2008**, 14, 446-53	5.9	35
45	Design and implementation of a web-based patient portal linked to an electronic health record designed to improve medication safety: the Patient Gateway medications module. *Journal of Innovation in Health Informatics*, **2008**, 16, 147-55		37
44	A cost model for personal health records (PHRs) **2008**, 657-61	0.7	3
43	Crossing the evidence chasm: building evidence bridges from process changes to clinical outcomes. *Journal of the American Medical Informatics Association: JAMIA*, **2007**, 14, 329-39	8.6	9
42	A roadmap for national action on clinical decision support. *Journal of the American Medical Informatics Association: JAMIA*, **2007**, 14, 141-5	8.6	405
41	A description and functional taxonomy of rule-based decision support content at a large integrated delivery network. *Journal of the American Medical Informatics Association: JAMIA*, **2007**, 14, 489-96	8.6	68
40	The cost of information technology-enabled diabetes management. *Disease Management: DM*, **2007**, 10, 115-28		13
39	Benefits of information technology-enabled diabetes management. *Diabetes Care*, **2007**, 30, 1137-42	14.6	52

38	The economic benefits of health information exchange interoperability for Australia. *Australian Health Review*, **2007**, 31, 531-9	1.8	26
37	Electronic health record use and the quality of ambulatory care in the United States. *Archives of Internal Medicine*, **2007**, 167, 1400-5		300
36	Clinical decision support to improve antibiotic prescribing for acute respiratory infections: results of a pilot study **2007**, 468-72	0.7	7
35	A framework and approach for assessing the value of personal health records (PHRs) **2007**, 374-8	0.7	6
34	Cost of interconnecting health information exchanges to form a national network **2007**, 583-7	0.7	1
33	Sharing electronic laboratory results in a patient portal--a feasibility pilot. *Studies in Health Technology and Informatics*, **2007**, 129, 18-22	0.5	19
32	Empowering patients to improve the quality of their care: design and implementation of a shared health maintenance module in a US integrated healthcare delivery network. *Studies in Health Technology and Informatics*, **2007**, 129, 1002-6	0.5	7
31	Physicians value patient review of their electronic health record data as a means to improve accuracy of medication list documentation **2007**, 1116	0.7	2
30	Decision support for acute problems: the role of the standardized patient in usability testing. *Journal of Biomedical Informatics*, **2006**, 39, 648-55	10.2	17
29	Assessing the level of healthcare information technology adoption in the United States: a snapshot. *BMC Medical Informatics and Decision Making*, **2006**, 6, 1	3.6	178
28	Design and implementation of a web-based patient portal linked to an ambulatory care electronic health record: patient gateway for diabetes collaborative care. *Diabetes Technology and Therapeutics*, **2006**, 8, 576-86	8.1	66
27	Acute infections in primary care: accuracy of electronic diagnoses and electronic antibiotic prescribing. *Journal of the American Medical Informatics Association: JAMIA*, **2006**, 13, 61-6	8.6	39
26	Return on investment for a computerized physician order entry system. *Journal of the American Medical Informatics Association: JAMIA*, **2006**, 13, 261-6	8.6	188
25	Barriers to electronic health record use during patient visits **2006**, 499-503	0.7	35
24	Quality Dashboards: technical and architectural considerations of an actionable reporting tool for population management **2006**, 1052	0.7	8
23	Smart Form framework as a foundation for clinical documentation platform **2006**, 1067	0.7	1
22	Accelerating U.S. EHR adoption: how to get there from here. recommendations based on the 2004 ACMI retreat. *Journal of the American Medical Informatics Association: JAMIA*, **2005**, 12, 13-9	8.6	81
21	Using qualitative studies to improve the usability of an EMR. *Journal of Biomedical Informatics*, **2005**, 38, 51-60	10.2	115

#	Title		
20	The costs of a national health information network. *Annals of Internal Medicine*, **2005**, 143, 165-73	8	62
19	Achieving U.S. Health information technology adoption: the need for a third hand. *Health Affairs*, **2005**, 24, 1269-72	0	39
18	The value of health care information exchange and interoperability. *Health Affairs*, **2005**, Suppl Web Exclusives, W5-10-W5-18	0	336
17	Designing an electronic medication reconciliation system **2005**, 976	0.7	4
16	The Value of Electronic Health Records **2005**, 39-54		1
15	Achieving the vision of EHR--take the long view. *Frontiers of Health Services Management*, **2005**, 22, 37-42; discussion 43-5	0.6	
14	Communicating health information to an alarmed public facing a threat such as a bioterrorist attack. *Journal of Health Communication*, **2004**, 9, 67-75	2.5	34
13	A consensus action agenda for achieving the national health information infrastructure. *Journal of the American Medical Informatics Association: JAMIA*, **2004**, 11, 332-8	8.6	96
12	A first step towards translating evidence into practice: heart failure in a community practice-based research network. *Journal of Innovation in Health Informatics*, **2004**, 12, 139-45		13
11	A patient-controlled journal for an electronic medical record: issues and challenges. *Studies in Health Technology and Informatics*, **2004**, 107, 1166-70	0.5	31
10	Ten commandments for effective clinical decision support: making the practice of evidence-based medicine a reality. *Journal of the American Medical Informatics Association: JAMIA*, **2003**, 10, 523-30	8.6	904
9	Opportunities to enhance patient and physician e-mail contact. *International Journal of Medical Informatics*, **2003**, 70, 1-9	5.3	65
8	A cost-benefit analysis of electronic medical records in primary care. *American Journal of Medicine*, **2003**, 114, 397-403	2.4	461
7	Creating an enterprise-wide allergy repository at Partners HealthCare System **2003**, 376-80	0.7	22
6	Supporting patient care beyond the clinical encounter: three informatics innovations from partners health care **2003**, 1072	0.7	11
5	Does national regulatory mandate of provider order entry portend greater benefit than risk for health care delivery? The 2001 ACMI debate. The American College of Medical Informatics. *Journal of the American Medical Informatics Association: JAMIA*, **2002**, 9, 199-208	8.6	17
4	The future of medical computing. *Studies in Health Technology and Informatics*, **2002**, 80, 85-98	0.5	
3	Knowledge Engineering for Large Belief Networks **1994**, 484-490		37

2   *. IEEE Transactions on Pattern Analysis and Machine Intelligence*, **1993**, 15, 292-298   13.3   32

1   An Approximate Nonmyopic Computation for Value of Information **1991**, 135-141   7