

# Melissa T. Baysari

## List of Publications by Year in descending order

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Version: 2024-02-01

122  
papers

2,531  
citations

236612

25  
h-index

253896

43  
g-index

129  
all docs

129  
docs citations

129  
times ranked

2848  
citing authors

#	ARTICLE	IF	CITATIONS
1	Understanding the human factors contribution to railway accidents and incidents in Australia. <i>Accident Analysis and Prevention</i> , 2008, 40, 1750-1757.	3.0	212
2	Effects of Two Commercial Electronic Prescribing Systems on Prescribing Error Rates in Hospital In-Patients: A Before and After Study. <i>PLoS Medicine</i> , 2012, 9, e1001164.	3.9	153
3	What are incident reports telling us? A comparative study at two Australian hospitals of medication errors identified at audit, detected by staff and reported to an incident system. <i>International Journal for Quality in Health Care</i> , 2015, 27, 1-9.	0.9	111
4	Classification of errors contributing to rail incidents and accidents: A comparison of two human error identification techniques. <i>Safety Science</i> , 2009, 47, 948-957.	2.6	103
5	Drug-drug interactions and their harmful effects in hospitalised patients: a systematic review and meta-analysis. <i>European Journal of Clinical Pharmacology</i> , 2018, 74, 15-27.	0.8	97
6	A systematic review of the effectiveness of interruptive medication prescribing alerts in hospital CPOE systems to change prescriber behavior and improve patient safety. <i>International Journal of Medical Informatics</i> , 2017, 105, 22-30.	1.6	90
7	The safety of electronic prescribing: manifestations, mechanisms, and rates of system-related errors associated with two commercial systems in hospitals. <i>Journal of the American Medical Informatics Association: JAMIA</i> , 2013, 20, 1159-1167.	2.2	83
8	The effectiveness of information technology to improve antimicrobial prescribing in hospitals: A systematic review and meta-analysis. <i>International Journal of Medical Informatics</i> , 2016, 92, 15-34.	1.6	78
9	A review of medical error taxonomies: A human factors perspective. <i>Safety Science</i> , 2011, 49, 607-615.	2.6	57
10	The influence of computerized decision support on prescribing during ward-rounds: are the decision-makers targeted?. <i>Journal of the American Medical Informatics Association: JAMIA</i> , 2011, 18, 754-759.	2.2	55
11	Barriers to Care in Gout: From Prescriber to Patient. <i>Journal of Rheumatology</i> , 2016, 43, 144-149.	1.0	53
12	Automation bias in electronic prescribing. <i>BMC Medical Informatics and Decision Making</i> , 2017, 17, 28.	1.5	53
13	Alert override as a habitual behavior – a new perspective on a persistent problem. <i>Journal of the American Medical Informatics Association: JAMIA</i> , 2017, 24, 409-412.	2.2	51
14	Patients'™ use of mobile health applications: what general practitioners think. <i>Family Practice</i> , 2019, 36, 214-218.	0.8	38
15	Standardising the Classification of Harm Associated with Medication Errors: The Harm Associated with Medication Error Classification (HAMEC). <i>Drug Safety</i> , 2019, 42, 931-939.	1.4	37
16	Longitudinal study of user experiences of a CPOE system in a pediatric hospital. <i>International Journal of Medical Informatics</i> , 2018, 109, 5-14.	1.6	35
17	The Prevalence of Dose Errors Among Paediatric Patients in Hospital Wards with and without Health Information Technology: A Systematic Review and Meta-Analysis. <i>Drug Safety</i> , 2019, 42, 13-25.	1.4	35
18	The prevalence and impact of unprofessional behaviour among hospital workers: a survey in seven Australian hospitals. <i>Medical Journal of Australia</i> , 2021, 214, 31-37.	0.8	34

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19	Mobile Applications for Patient-centered Care Coordination: A Review of Human Factors Methods Applied to their Design, Development, and Evaluation. <i>Yearbook of Medical Informatics</i> , 2015, 24, 47-54.	0.8	33
20	Mobile applications to enhance self-management of gout. <i>International Journal of Medical Informatics</i> , 2016, 94, 67-74.	1.6	33
21	Measuring the financial and productivity burden of paediatric hospitalisation on the wider family network. <i>Journal of Paediatrics and Child Health</i> , 2018, 54, 987-996.	0.4	32
22	High Ambient Temperature Reduces Rate of Body-Weight Loss Produced by Wheel Running. <i>Quarterly Journal of Experimental Psychology</i> , 2006, 59, 1196-1211.	0.6	31
23	Effectiveness of interventions targeting antibiotic use in long-term aged care facilities: a systematic review and meta-analysis. <i>BMJ Open</i> , 2020, 10, e028494.	0.8	31
24	Failure to utilize functions of an electronic prescribing system and the subsequent generation of "technically preventable" computerized alerts. <i>Journal of the American Medical Informatics Association: JAMIA</i> , 2012, 19, 1003-1010.	2.2	30
25	Preventable Adverse Drug Events Among Inpatients: A Systematic Review. <i>Pediatrics</i> , 2018, 142, .	1.0	30
26	Prevalence of Medication Errors Among Paediatric Inpatients: Systematic Review and Meta-Analysis. <i>Drug Safety</i> , 2019, 42, 1329-1342.	1.4	28
27	Prescriber perceptions of medication-related computerized decision support systems in hospitals: A synthesis of qualitative research. <i>International Journal of Medical Informatics</i> , 2019, 129, 285-295.	1.6	28
28	The impact of introducing automated dispensing cabinets, barcode medication administration, and closed-loop electronic medication management systems on work processes and safety of controlled medications in hospitals: A systematic review. <i>Research in Social and Administrative Pharmacy</i> , 2021, 17, 832-841.	1.5	28
29	Optimizing clinical decision support alerts in electronic medical records: a systematic review of reported strategies adopted by hospitals. <i>Journal of the American Medical Informatics Association: JAMIA</i> , 2021, 28, 177-183.	2.2	25
30	A reliability and usability study of TRACER-RAV: The technique for the retrospective analysis of cognitive errors " For rail, Australian version. <i>Applied Ergonomics</i> , 2011, 42, 852-859.	1.7	24
31	Redesign of computerized decision support to improve antimicrobial prescribing. <i>Applied Clinical Informatics</i> , 2017, 08, 949-963.	0.8	24
32	Audit and feedback of antibiotic use. <i>Applied Clinical Informatics</i> , 2013, 04, 583-595.	0.8	23
33	Service provider perceptions of transitioning from audio to video capability in a telehealth system: a qualitative evaluation. <i>BMC Health Services Research</i> , 2017, 17, 558.	0.9	22
34	Stepped-wedge cluster randomised controlled trial to assess the effectiveness of an electronic medication management system to reduce medication errors, adverse drug events and average length of stay at two paediatric hospitals: a study protocol. <i>BMJ Open</i> , 2016, 6, e011811.	0.8	20
35	Flavour aversion produced by running and attenuated by prior exposure to wheels. <i>Quarterly Journal of Experimental Psychology Section B: Comparative and Physiological Psychology</i> , 2004, 57, 273-286.	2.8	19
36	Analysis of Australian newspaper coverage of medication errors. <i>International Journal for Quality in Health Care</i> , 2012, 24, 1-8.	0.9	19

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37	Junior doctors' prescribing work after-hours and the impact of computerized decision support. <i>International Journal of Medical Informatics</i> , 2013, 82, 980-986.	1.6	19
38	iPad use at the bedside: a tool for engaging patients in care processes during ward rounds?. <i>Internal Medicine Journal</i> , 2014, 44, 986-990.	0.5	19
39	Researchers' views on, and experiences with, the requirement to obtain informed consent in research involving human participants: a qualitative study. <i>BMC Medical Ethics</i> , 2020, 21, 93.	1.0	18
40	The Role of Computerized Decision Support in Reducing Errors in Selecting Medicines for Prescription. <i>Drug Safety</i> , 2011, 34, 289-298.	1.4	17
41	Associations between double-checking and medication administration errors: a direct observational study of paediatric inpatients. <i>BMJ Quality and Safety</i> , 2021, 30, 320-330.	1.8	17
42	Implementing electronic medication management at an Australian teaching hospital. <i>Medical Journal of Australia</i> , 2011, 195, 498-502.	0.8	16
43	A time and motion study of junior doctor work patterns on the weekend: a potential contributor to the weekend effect?. <i>Internal Medicine Journal</i> , 2016, 46, 819-825.	0.5	16
44	Are vancomycin dosing guidelines followed? A mixed methods study of vancomycin prescribing practices. <i>British Journal of Clinical Pharmacology</i> , 2021, 87, 4221-4229.	1.1	16
45	Supporting deprescribing in hospitalised patients: formative usability testing of a computerised decision support tool. <i>BMC Medical Informatics and Decision Making</i> , 2021, 21, 116.	1.5	16
46	Does the availability of therapeutic drug monitoring, computerised dose recommendation and prescribing decision support services promote compliance with national gentamicin prescribing guidelines?. <i>Internal Medicine Journal</i> , 2015, 45, 55-62.	0.5	15
47	Underlying risk factors for prescribing errors in long-term aged care: a qualitative study. <i>BMJ Quality and Safety</i> , 2016, 25, 704-715.	1.8	15
48	Barriers and facilitators of appropriate vancomycin use: prescribing context is key. <i>European Journal of Clinical Pharmacology</i> , 2018, 74, 1523-1529.	0.8	15
49	Medication safety incidents in paediatric oncology after electronic medication management system implementation. <i>European Journal of Cancer Care</i> , 2019, 28, e13152.	0.7	15
50	Evaluation of Clinical Relevance of Drug-Drug Interaction Alerts Prior to Implementation. <i>Applied Clinical Informatics</i> , 2018, 09, 849-855.	0.8	14
51	Would they trust it? An exploration of psychosocial and environmental factors affecting prescriber acceptance of computerised dose recommendation software. <i>British Journal of Clinical Pharmacology</i> , 2021, 87, 1215-1233.	1.1	14
52	Shedding light on junior doctors' work practices after hours. <i>Internal Medicine Journal</i> , 2013, 43, 1321-1326.	0.5	13
53	Exploring current and potential roles of Australian community pharmacists in gout management: a qualitative study. <i>BMC Family Practice</i> , 2018, 19, 54.	2.9	13
54	Prescribing of SGLT2 inhibitors in primary care: A qualitative study of General Practitioners and Endocrinologists. <i>Diabetes Research and Clinical Practice</i> , 2021, 180, 109036.	1.1	13

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55	A Late Attempt to Involve End Users in the Design of Medication-Related Alerts: Survey Study. <i>Journal of Medical Internet Research</i> , 2020, 22, e14855.	2.1	13
56	Optimising computerised alerts within electronic medication management systems: A synthesis of four years of research. <i>Studies in Health Technology and Informatics</i> , 2014, 204, 1-6.	0.2	13
57	The impact of digital interventions on antimicrobial stewardship in hospitals: a qualitative synthesis of systematic reviews. <i>Journal of Antimicrobial Chemotherapy</i> , 2022, 77, 1828-1837.	1.3	13
58	Applying a human factors approach to improve usability of a decision support system in tele-nursing. <i>Collegian</i> , 2017, 24, 227-236.	0.6	12
59	mHealth App Patient Testing and Review of Educational Materials Designed for Self-Management of Gout Patients: Descriptive Qualitative Studies. <i>JMIR MHealth and UHealth</i> , 2018, 6, e182.	1.8	12
60	Identifying effective computerized strategies to prevent drug-drug interactions in hospital: A user-centered approach. <i>International Journal of Medical Informatics</i> , 2015, 84, 595-600.	1.6	11
61	Medication errors related to computerized provider order entry systems in hospitals and how they change over time: A narrative review. <i>Research in Social and Administrative Pharmacy</i> , 2021, 17, 1546-1552.	1.5	11
62	Accuracy of documented administration times for intravenous antimicrobial drugs and impact on dosing decisions. <i>British Journal of Clinical Pharmacology</i> , 2021, 87, 4273-4282.	1.1	11
63	Web-Based Apps for Responding to Acute Infectious Disease Outbreaks in the Community: Systematic Review. <i>JMIR Public Health and Surveillance</i> , 2021, 7, e24330.	1.2	11
64	The safety of computerised prescribing in hospitals. <i>Australian Prescriber</i> , 2019, 42, 136.	0.5	11
65	Delivering the right information to the right person at the right time to facilitate deprescribing in hospital: a mixed methods multisite study to inform decision support design in Australia. <i>BMJ Open</i> , 2019, 9, e030950.	0.8	10
66	Education to improve vancomycin use: the perspectives of educators and education recipients. <i>Internal Medicine Journal</i> , 2020, 50, 565-572.	0.5	10
67	Co-designing a dashboard of predictive analytics and decision support to drive care quality and client outcomes in aged care: a mixed-method study protocol. <i>BMJ Open</i> , 2021, 11, e048657.	0.8	10
68	Evaluation of Web-Based Consumer Medication Information: Content and Usability of 4 Australian Websites. <i>Interactive Journal of Medical Research</i> , 2016, 5, e21.	0.6	10
69	Medication-related calls received by a national telenursing triage and advice service in Australia: a retrospective cohort study. <i>BMC Health Services Research</i> , 2017, 17, 197.	0.9	9
70	Reliability, ease of use and usefulness of I-MeDeSA for evaluating drug-drug interaction alerts in an Australian context. <i>BMC Medical Informatics and Decision Making</i> , 2018, 18, 83.	1.5	9
71	Selection and use of decision support alerts in electronic medication management systems in Australian hospitals: a survey of implementers. <i>Journal of Pharmacy Practice and Research</i> , 2019, 49, 142-149.	0.5	9
72	Optimising computerised decision support to transform medication safety and reduce prescriber burden: study protocol for a mixed-methods evaluation of drug-drug interaction alerts. <i>BMJ Open</i> , 2019, 9, e026034.	0.8	9

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73	Effectiveness of an electronic patient-centred self-management tool for gout sufferers: a cluster randomised controlled trial protocol. <i>BMJ Open</i> , 2017, 7, e017281.	0.8	9
74	Identification of strategies to reduce computerized alerts in an electronic prescribing system using a Delphi approach. <i>Studies in Health Technology and Informatics</i> , 2013, 192, 8-12.	0.2	9
75	iPad use during ward rounds: an observational study. <i>Studies in Health Technology and Informatics</i> , 2014, 204, 67-73.	0.2	9
76	Patient and clinician use characteristics and perceptions of pulse oximeter use: A scoping review. <i>International Journal of Medical Informatics</i> , 2022, 162, 104735.	1.6	9
77	Examining barriers to healthcare providers' adoption of a hospital-wide electronic patient journey board. <i>International Journal of Medical Informatics</i> , 2018, 114, 18-26.	1.6	8
78	Challenges and Best Practices in Ethical Review of Human and Organizational Factors Studies in Health Technology: a Synthesis of Testimonies. <i>Yearbook of Medical Informatics</i> , 2020, 29, 058-070.	0.8	8
79	Understanding Compliance to an Antibiotic Prescribing Policy: Perspectives of Policymakers and Prescribers. <i>Journal of Pharmacy Practice and Research</i> , 2013, 43, 32-36.	0.5	7
80	Using the WHO International Classification of patient safety framework to identify incident characteristics and contributing factors for medical or surgical complication deaths. <i>Applied Ergonomics</i> , 2020, 82, 102920.	1.7	7
81	Out-of-pocket spending among a cohort of Australians living with gout. <i>International Journal of Rheumatic Diseases</i> , 2021, 24, 327-334.	0.9	7
82	Comparing the usability and reliability of a generic and a domain-specific medical error taxonomy. <i>Safety Science</i> , 2012, 50, 1801-1805.	2.6	6
83	Nudging hospitals towards evidence-based decision support for medication management. <i>Medical Journal of Australia</i> , 2019, 210, S22-S24.	0.8	6
84	Do user preferences align with human factors assessment scores of drug-drug interaction alerts?. <i>Health Informatics Journal</i> , 2020, 26, 563-575.	1.1	6
85	Implementation of Revised Aminoglycoside Guidelines: Australian Hospitals Left in the Lurch. <i>Journal of Pharmacy Practice and Research</i> , 2012, 42, 178-179.	0.5	5
86	Pneumonia Severity Scores and Prescribing Antibiotics for Community-Acquired Pneumonia at an Australian Hospital. <i>Journal of Pharmacy Practice and Research</i> , 2013, 43, 97-100.	0.5	5
87	Unmet Needs for Transdermal Patch Management in Electronic Medication Administration Records: An Analysis of Data from 66 Aged Care Facilities. <i>Applied Clinical Informatics</i> , 2020, 11, 812-820.	0.8	5
88	Electronic Medication Management Systems: Analysis of Enhancements to Reduce Errors and Improve Workflow. <i>Applied Clinical Informatics</i> , 2021, 12, 1049-1060.	0.8	5
89	Usability of Reports Generated by a Computerised Dose Prediction Software. <i>Studies in Health Technology and Informatics</i> , 2018, 252, 27-32.	0.2	5
90	Electronic Medication Information Sources: Understanding the Needs and Preferences of Health Professionals. <i>Journal of Pharmacy Practice and Research</i> , 2013, 43, 288-291.	0.5	4

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91	Understanding and improving the use of allopurinol in a teaching hospital. <i>Internal Medicine Journal</i> , 2015, 45, 383-390.	0.5	4
92	Exploring sub-optimal use of an electronic risk assessment tool for venous thromboembolism. <i>Applied Ergonomics</i> , 2016, 55, 63-69.	1.7	4
93	An experimental investigation of the impact of alert frequency and relevance on alert dwell time. <i>International Journal of Medical Informatics</i> , 2020, 133, 104027.	1.6	4
94	Electronic display of a patient treatment over time: a perspective on clinicians' burn-out. <i>BMJ Health and Care Informatics</i> , 2021, 28, e100281.	1.4	4
95	A Tool for Evaluating Medication Alerting Systems: Development and Initial Assessment. <i>JMIR Medical Informatics</i> , 2021, 9, e24022.	1.3	4
96	Mapping eHealth Education: Review of eHealth Content in Health and Medical Degrees at a Metropolitan Tertiary Institute in Australia. <i>JMIR Medical Education</i> , 2021, 7, e16440.	1.2	4
97	Communicating deprescribing decisions made in hospital with general practitioners in the community. <i>Internal Medicine Journal</i> , 2021, 51, 1473-1478.	0.5	4
98	A User-Centred Approach to Designing an eTool for Gout Management. <i>Studies in Health Technology and Informatics</i> , 2016, 227, 28-33.	0.2	4
99	Trends in metformin utilisation and dose appropriateness in Australia. <i>European Journal of Clinical Pharmacology</i> , 2016, 72, 1489-1496.	0.8	3
100	Improving adherence to urate-lowering therapy in people living with gout. <i>International Journal of Rheumatic Diseases</i> , 2019, 22, 542-544.	0.9	3
101	The efficiency-thoroughness trade-off after implementation of electronic medication management: a qualitative study in paediatric oncology. <i>International Journal for Quality in Health Care</i> , 2020, 32, 511-516.	0.9	3
102	Effectiveness of a coordinated support system linking public hospitals to a health coaching service compared with usual care at discharge for patients with chronic low back pain: protocol for a randomised controlled trial. <i>BMC Musculoskeletal Disorders</i> , 2021, 22, 611.	0.8	3
103	Medication decision-making on hospital ward-rounds. <i>Studies in Health Technology and Informatics</i> , 2011, 169, 935-9.	0.2	3
104	Understanding doctors' perceptions of their prescribing competency and the value they ascribe to an electronic prescribing system. <i>Studies in Health Technology and Informatics</i> , 2012, 178, 1-6.	0.2	3
105	Medication-related queries received for 'after hours GP helpline' - Comparison of callers' intentions with GPs' advice. <i>Australian Family Physician</i> , 2016, 45, 661-7.	0.5	3
106	Would they accept it? An interview study to identify barriers and facilitators to user acceptance of a prescribing advice service. <i>BMC Health Services Research</i> , 2022, 22, 514.	0.9	3
107	Mandatory Medication Indications in Electronic Systems - The Prescriber Perspective. <i>Studies in Health Technology and Informatics</i> , 2019, 265, 95-100.	0.2	3
108	Australian hospital outpatient pharmacies: service adaptations during the 2020 national coronavirus disease 2019 lockdown. <i>Journal of Pharmacy Practice and Research</i> , 2022, 52, 326-328.	0.5	3



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109	Consistency or efficiency? A dilemma for designers. <i>Journal of the American Medical Informatics Association: JAMIA</i> , 2012, 19, 1119.2-1120.	2.2	2
110	Separating fact from opinion: a response to "The science of human factors: separating fact from fiction". <i>BMJ Quality and Safety</i> , 2013, 22, 964.1-964.	1.8	2
111	Comparison of the validity, perceived usefulness and usability of I-MeDeSA and TEMAS, two tools to evaluate alert system usability: a study protocol. <i>BMJ Open</i> , 2021, 11, e050448.	0.8	2
112	User Perceptions of the Implementation of an Electronic Medication Management System in a Paediatric Setting. <i>Studies in Health Technology and Informatics</i> , 2017, 239, 41-47.	0.2	2
113	Prescribers' reported acceptance and use of drug-drug interaction alerts: An Australian survey. <i>Health Informatics Journal</i> , 2022, 28, 146045822211006.	1.1	2
114	Are patients with a nasally placed feeding tube at risk of potential drug-drug interactions? A multicentre cross-sectional study. <i>PLoS ONE</i> , 2019, 14, e0220248.	1.1	1
115	Indications-based prescribing: A challenge for hospital prescribers. <i>British Journal of Clinical Pharmacology</i> , 2021, 87, 730-731.	1.1	1
116	Expanding the role of Australian community dietitians in gout management. <i>International Journal of Rheumatic Diseases</i> , 2021, 24, 1402-1408.	0.9	1
117	Stakeholder perspectives of system-related errors: Types, contributing factors, and consequences. <i>International Journal of Medical Informatics</i> , 2022, 165, 104821.	1.6	1
118	Effects of an electronic medication management system on pharmacists' work in a paediatric hospital. <i>Journal of Pharmacy Practice and Research</i> , 2019, 49, 317-323.	0.5	0
119	Letter to the Editor: Errors in electronic prescribing systems. <i>Australian Prescriber</i> , 2020, 43, 66.	0.5	0
120	Impact of Electronic Medication Management on the Physical Location of Work in a Paediatric Setting. <i>Studies in Health Technology and Informatics</i> , 2021, 286, 72-76.	0.2	0
121	An Exploratory Study of Allied Health Students' Experiences of Electronic Medical Records During Placements. <i>Applied Clinical Informatics</i> , 2022, 13, 410-418.	0.8	0
122	Adopting an American framework to optimize nursing admission documentation in an Australian health organization. <i>JAMIA Open</i> , 2022, 5, .	1.0	0