

# Automated Identification of Adults at Risk for In-Hospital

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Citation Report

#	ARTICLE	IF	CITATIONS
1	The future of AI in critical care is augmented, not artificial, intelligence. <i>Critical Care</i> , 2020, 24, 673.	2.5	7
2	Prediction of obstetrical and fetal complications using automated electronic health record data. <i>American Journal of Obstetrics and Gynecology</i> , 2021, 224, 137-147.e7.	0.7	20
3	AEP-DLA: Adverse Event Prediction in Hospitalized Adult Patients Using Deep Learning Algorithms. <i>IEEE Access</i> , 2021, 9, 55673-55689.	2.6	4
4	A Predictive Model and Risk Factors for Case Fatality of COVID-19. <i>Journal of Personalized Medicine</i> , 2021, 11, 36.	1.1	18
5	Novel Approaches to Risk Stratification of In-Hospital Cardiac Arrest. <i>Current Cardiovascular Risk Reports</i> , 2021, 15, 1.	0.8	1
7	Automated Identification of Adults at Risk for In-Hospital Clinical Deterioration. <i>New England Journal of Medicine</i> , 2021, 384, 485-486.	13.9	2
8	Big Data in Nephrology. <i>Nature Reviews Nephrology</i> , 2021, 17, 676-687.	4.1	10
9	Rethinking Patient Surveillance on Hospital Wards. <i>Anesthesiology</i> , 2021, 135, 531-540.	1.3	26
10	Algorithms for Prediction of Clinical Deterioration on the General Wards: A Scoping Review. <i>Journal of Hospital Medicine</i> , 2021, 16, 612-619.	0.7	7
11	Algorithmic prognostication in critical care: a promising but unproven technology for supporting difficult decisions. <i>Current Opinion in Critical Care</i> , 2021, 27, 500-505.	1.6	2
12	Predicting and Responding to Clinical Deterioration in Hospitalized Patients by Using Artificial Intelligence: Protocol for a Mixed Methods, Stepped Wedge Study. <i>JMIR Research Protocols</i> , 2021, 10, e27532.	0.5	7
13	What can a learning healthcare system teach us about improving outcomes?. <i>Current Opinion in Critical Care</i> , 2021, 27, 527-536.	1.6	5
14	Implementing machine learning in medicine. <i>Cmaj</i> , 2021, 193, E1351-E1357.	0.9	64
15	Automated alerts in obstetrics. <i>American Journal of Obstetrics and Gynecology</i> , 2021, 225, 208.	0.7	0
16	Evaluation of an intervention targeted with predictive analytics to prevent readmissions in an integrated health system: observational study. <i>BMJ, The</i> , 2021, 374, n1747.	3.0	4
17	Chest radiograph-based artificial intelligence predictive model for mortality in community-acquired pneumonia. <i>BMJ Open Respiratory Research</i> , 2021, 8, e001045.	1.2	8
18	A survey of extant organizational and computational setups for deploying predictive models in health systems. <i>Journal of the American Medical Informatics Association: JAMIA</i> , 2021, 28, 2445-2450.	2.2	13
20	Patient-Reported Outcomes Integrated Within an Electronic Medical Record in Patients With Head and Neck Cancer. <i>JCO Clinical Cancer Informatics</i> , 2021, 5, 842-848.	1.0	4

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21	Comparison of assessment tools in acute upper gastrointestinal bleeding: which one for which decision. <i>Scandinavian Journal of Gastroenterology</i> , 2022, 57, 1-7.	0.6	4
22	Predicting Patient Deterioration: A Review of Tools in the Digital Hospital Setting. <i>Journal of Medical Internet Research</i> , 2021, 23, e28209.	2.1	23
23	The opportunity to use electronic health record data for real-time improvement of inpatient care. <i>Surgery</i> , 2021, 170, 978.	1.0	0
24	“Less is more, more or less” or is it? <i>Resuscitation</i> , 2021, 168, 214-215.	1.3	1
25	Predictive Models for In-Hospital Deterioration in Ward Patients. <i>Journal of Hospital Medicine</i> , 2021, 16, 640-640.	0.7	0
26	AIM in Anesthesiology. , 2021, , 1-16.		0
27	A scoping review of artificial intelligence applications in thoracic surgery. <i>European Journal of Cardio-thoracic Surgery</i> , 2022, 61, 239-248.	0.6	5
28	Coronavirus Disease 2019 Calls for Predictive Analytics Monitoring—A New Kind of Illness Scoring System. , 2020, 2, e0294.		14
29	A Trigger and Response System for Preventing Cardiac Arrest in the ICU. , 2021, 3, e0557.		2
32	Machine learning techniques for mortality prediction in emergency departments: a systematic review. <i>BMJ Open</i> , 2021, 11, e052663.	0.8	18
33	Development and Validation of an Obstetric Comorbidity Risk Score for Clinical Use. <i>Women S Health Reports</i> , 2021, 2, 507-515.	0.4	2
34	Review of 20 Years of Continuous Quality Improvement of a Rapid Response System, at Four Institutions, to Identify Key Process Responsible for Its Success. , 2021, 3, e0448.		0
35	Clinical impact of implementing a rapid-response team based on the Modified Early Warning Score in wards that offer emergency department support. <i>PLoS ONE</i> , 2021, 16, e0259577.	1.1	2
36	Evaluation of a digital system to predict unplanned admissions to the intensive care unit: A mixed-methods approach. <i>Resuscitation Plus</i> , 2022, 9, 100193.	0.6	1
37	Creation of an Evidence-Based Implementation Framework for Digital Health Technology in the Intensive Care Unit: Qualitative Study. <i>JMIR Formative Research</i> , 2022, 6, e22866.	0.7	4
38	Review of 20 Years of Continuous Quality Improvement of a Rapid Response System, at Four Institutions, to Identify Key Process Responsible for Its Success. , 2021, 3, e0448.		5
39	A review of electronic medical records and safe transfusion practice for guideline development. <i>Vox Sanguinis</i> , 2022, 117, 761-768.	0.7	2
40	Evaluation of NEWS2 response thresholds in a retrospective observational study from a UK acute hospital. <i>BMJ Open</i> , 2022, 12, e054027.	0.8	7

#	ARTICLE	IF	CITATIONS
41	Validation of Respiratory Rate-Oxygenation Index in Patients With COVID-19-Related Respiratory Failure. <i>Critical Care Medicine</i> , 2022, 50, e638-e642.	0.4	15
42	Derivation and validation of Re.Co.De death score risk in patients with acute nonvariceal upper GI bleeding. <i>Gastrointestinal Endoscopy</i> , 2022, 96, 36-43.e8.	0.5	4
43	AIM in Anesthesiology. , 2022, , 1453-1467.		1
44	Early identification of patients admitted to hospital for covid-19 at risk of clinical deterioration: model development and multisite external validation study. <i>BMJ, The</i> , 2022, 376, e068576.	3.0	24
45	Intelligent Clinical Decision Support. <i>Sensors</i> , 2022, 22, 1408.	2.1	4
46	The principles of whole-hospital predictive analytics monitoring for clinical medicine originated in the neonatal ICU. <i>Npj Digital Medicine</i> , 2022, 5, 41.	5.7	8
47	The Many Faces of Prediction Modeling in Critical Care*. <i>Critical Care Medicine</i> , 2022, 50, 687-689.	0.4	1
48	Exploratory analysis of novel electronic health record variables for quantification of healthcare delivery strain, prediction of mortality, and prediction of imminent discharge. <i>Journal of the American Medical Informatics Association: JAMIA</i> , 2022, , .	2.2	1
49	Defining Physiological Decompensation: An Expert Consensus and Retrospective Outcome Validation. , 2022, 4, e0677.		4
50	Automated alert and activation of medical emergency team using early warning score. <i>Journal of Intensive Care</i> , 2021, 9, 73.	1.3	6
52	The Impact of Health Information Technology for Early Detection of Patient Deterioration on Mortality and Length of Stay in the Hospital Acute Care Setting: Systematic Review and Meta-Analysis*. <i>Critical Care Medicine</i> , 2022, 50, 1198-1209.	0.4	7
53	Implementation approaches and barriers for rule-based and machine learning-based sepsis risk prediction tools: a qualitative study. <i>JAMIA Open</i> , 2022, 5, ooac022.	1.0	15
54	Nursing implications of an early warning system implemented to reduce adverse events: a qualitative study. <i>BMJ Quality and Safety</i> , 2022, 31, 716-724.	1.8	4
55	Implementing a Rapid Response System in a tertiary-care hospital. A cost-effectiveness study. <i>Journal of Clinical Monitoring and Computing</i> , 2022, 36, 1263-1269.	0.7	3
56	Artificial intelligence-enabled decision support in nephrology. <i>Nature Reviews Nephrology</i> , 2022, 18, 452-465.	4.1	21
57	The Impact of a Machine Learning Early Warning Score on Hospital Mortality: A Multicenter Clinical Intervention Trial. <i>Critical Care Medicine</i> , 2022, 50, 1339-1347.	0.4	25
58	Development and External Validation of a Machine Learning Model for Prediction of Potential Transfer to the PICU. <i>Pediatric Critical Care Medicine</i> , 2022, 23, 514-523.	0.2	8
59	Learning Predictive and Interpretable Timeseries Summaries from ICU Data.. <i>AMIA ... Annual Symposium proceedings</i> , 2021, 2021, 581-590.	0.2	0

#	ARTICLE	IF	CITATIONS
60	A bias evaluation checklist for predictive models and its pilot application for 30-day hospital readmission models. <i>Journal of the American Medical Informatics Association: JAMIA</i> , 2022, 29, 1323-1333.	2.2	30
61	Prospective evaluation of social risks, physical function, and cognitive function in prediction of non-elective rehospitalization and post-discharge mortality. <i>BMC Health Services Research</i> , 2022, 22, 574.	0.9	1
62	Natural Language Processing of Radiology Reports to Detect Complications of Ischemic Stroke. <i>Neurocritical Care</i> , 2022, 37, 291-302.	1.2	5
63	Artificial intelligence and clinical deterioration. <i>Current Opinion in Critical Care</i> , 2022, 28, 315-321.	1.6	7
64	Beyond prediction: Off-target uses of artificial intelligence-based predictive analytics in a learning health system. <i>Learning Health Systems</i> , 2023, 7, .	1.1	2
65	A scoping review of real-time automated clinical deterioration alerts and evidence of impacts on hospitalised patient outcomes. <i>BMJ Quality and Safety</i> , 2022, 31, 725-734.	1.8	8
66	A Call for a Consensus Approach to the Design, Implementation, and Evaluation of Early Warning Systems*. <i>Critical Care Medicine</i> , 2022, 50, 1280-1282.	0.4	1
67	Explainable Machine-Learning Model for Prediction of In-Hospital Mortality in Septic Patients Requiring Intensive Care Unit Readmission. <i>Infectious Diseases and Therapy</i> , 2022, 11, 1695-1713.	1.8	12
68	Explainable machine learning for real-time deterioration alert prediction to guide pre-emptive treatment. <i>Scientific Reports</i> , 2022, 12, .	1.6	2
70	The Kaiser Permanente Northern California Advance Alert Monitor Program: An Automated Early Warning System for Adults at Risk for In-Hospital Clinical Deterioration. <i>Joint Commission Journal on Quality and Patient Safety</i> , 2022, 48, 370-375.	0.4	1
71	Prospective, multi-site study of patient outcomes after implementation of the TREWS machine learning-based early warning system for sepsis. <i>Nature Medicine</i> , 2022, 28, 1455-1460.	15.2	88
72	Factors driving provider adoption of the TREWS machine learning-based early warning system and its effects on sepsis treatment timing. <i>Nature Medicine</i> , 2022, 28, 1447-1454.	15.2	36
73	Implementation of a non-intensive-care unit medical emergency team improves failure to rescue rates in cardiac surgery patients. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2022, , .	0.4	1
74	Aiding the prescriber: developing a machine learning approach to personalized risk modeling for chronic opioid therapy amongst US Army soldiers. <i>Health Care Management Science</i> , 2022, 25, 649-665.	1.5	3
75	Dynamic early warning scores for predicting clinical deterioration in patients with respiratory disease. <i>Respiratory Research</i> , 2022, 23, .	1.4	3
76	The impact of changes in coding on mortality reports using the example of sepsis. <i>BMC Medical Informatics and Decision Making</i> , 2022, 22, .	1.5	0
77	Artificial intelligence in the clinical setting. <i>European Journal of Anaesthesiology</i> , 2022, 39, 729-732.	0.7	2
78	Protocol describing a systematic review and mixed methods consensus process to define the deteriorated ward patient. <i>BMJ Open</i> , 2022, 12, e057614.	0.8	1

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79	Korean nurses' perception and performance on communication with physicians in clinical deterioration. <i>Medicine (United States)</i> , 2022, 101, e30570.	0.4	1
80	Artificial and human intelligence for early identification of neonatal sepsis. <i>Pediatric Research</i> , 2023, 93, 350-356.	1.1	4
81	A wearable patch based remote early warning score (REWS) in major abdominal cancer surgery patients. <i>European Journal of Surgical Oncology</i> , 2023, 49, 278-284.	0.5	7
82	Meeting the Moment: Addressing Barriers and Facilitating Clinical Adoption of Artificial Intelligence in Medical Diagnosis. <i>NAM Perspectives</i> , 2022, 22, .	1.3	10
83	Computer clinical decision support that automates personalized clinical care: a challenging but needed healthcare delivery strategy. <i>Journal of the American Medical Informatics Association: JAMIA</i> , 2022, 30, 178-194.	2.2	5
84	Artificial Intelligence Systems in CKD: Where Do We Stand and What Will the Future Bring?. <i>Advances in Chronic Kidney Disease</i> , 2022, 29, 461-464.	0.6	1
85	Documentação automatizada de parâmetros vitais em enfermarias utilizando estações portáteis - Efeito no acionamento adequado do time de resposta rápida: um protocolo de um ensaio clínico randomizado em clusters. <i>Revista Brasileira De Terapia Intensiva</i> , 2022, 34, .	0.1	1
86	Signatures of illness in children requiring unplanned intubation in the pediatric intensive care unit: A retrospective cohort machine-learning study. <i>Frontiers in Pediatrics</i> , 0, 10, .	0.9	0
87	Using real-time machine learning to prevent in-hospital hypoglycemia: a prospective study. <i>Internal and Emergency Medicine</i> , 0, , .	1.0	0
88	Evaluation of Automated Alert and Activation of Medical Emergency Team in Head and Neck Cancer Patients Using Early Warning Score at Tertiary Level Hospital in North India. <i>Cureus</i> , 2022, , .	0.2	0
89	Translational Bioinformatics to Enable Precision Medicine for All: Elevating Equity across Molecular, Clinical, and Digital Realms. <i>Yearbook of Medical Informatics</i> , 2022, 31, 106-115.	0.8	6
90	Tele-Rapid Response Team (Tele-RRT): The effect of implementing patient safety network system on outcomes of medical patients – A before and after cohort study. <i>PLoS ONE</i> , 2022, 17, e0277992.	1.1	1
92	Bending the patient safety curve: how much can AI help?. <i>Npj Digital Medicine</i> , 2023, 6, .	5.7	5
93	The Application of a Standard Risk Threshold for the Stratification of Maternal Morbidity among Population Subgroups. <i>American Journal of Perinatology</i> , 0, , .	0.6	0
94	Clinician Perspectives on Barriers and Enablers to Implementing an Inpatient Oncology Early Warning System: A Mixed-Methods Study. <i>JCO Clinical Cancer Informatics</i> , 2023, , .	1.0	1
95	Machine Learning Prediction of Objective Hearing Loss With Demographics, Clinical Factors, and Subjective Hearing Status. <i>Otolaryngology - Head and Neck Surgery</i> , 2023, 169, 504-513.	1.1	1
96	Effective handovers on escalation of care for the deteriorating patient. <i>Nursing Standard (Royal)</i> Tj ETQq0 0 0 rgBT /Overlock_10 Tf 50 10	0.1	1
97	Editorial: Surfacing best practices for AI software development and integration in healthcare. <i>Frontiers in Digital Health</i> , 0, 5, .	1.5	2

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