Author	Year	Source	Title	Participant location	Participant role	Number of participants	Clinical area	Clinical AI tool use	Qualitative data collection method	JBI quality score assigned
Abdi, S. and de Witte, L. and Hawley, M.	2021	Gerontics	Exploring the Potential of Emerging Technologies to Meet the Care and Support Needs of Older People: A Delphi Survey	International	Developers	21	Care of the elderly	Not specified	Survey	8
Abed Grillo, L. O. and Douwes, R. and Bardel, A. and Alsumidaie Alzaraa, B. and Zwenkhorst, M. and van Rossomalen, J. and De Brouwere, V.	2018	BMC Pregnancy & Childbirth	Pregnant women's experiences with an internet-dissemination and decision support device for antenatal care in Ghana	Ghana	Mixed roles	30	Nursing and midwifery	Antenatal triage	Interviews	9
Abidi, S. and Vallis, M. and Piccinino Vallis, H. and Imran, S. A. and Abidi, S. S. B.	2018	JMIR Medical Informatics	Diabetes-Related Behavior Change Knowledge Transfer to Primary Care Practitioners and Patients: Implementation and Evaluation of a Digital Health Platform	Canada	Mixed roles	21	Primary care	Community diabetes management	Mixed	8
Adams, S. J. and Tsao, R. and Balkin, P.	2020	Journal of the American College of Radiology	Patient Perspectives and Priorities Regarding Artificial Intelligence in Radiology: Opportunities for Patient-Centered Radiology	Canada	Patients, carers or the public	17	Radiology	Not specified	Focus groups	8
Akerkar-Johnsen, A. and Wilson, P. and Sadowski, C. A. and Rolfson, D. and Bellerman, M. and Rudisill, A. and Vermeer, K. and Mahindra, K. and Romney, J. and Heyward, B. S.	2016	Clinical Interventions in Aging	Physicians' use of computerized clinical decision supports to improve medication management in the elderly - the Seniors Medication Alert and Review Technology intervention	Canada	Healthcare professionals	8	Care of the elderly	Medications management	Mixed	7
Alagra, A. S. and Cohen, E. and Fischer-Hubner, S. and Kane, B. and Mazzoni, M. and Vicini, S.	2020	2020 IEEE 23rd International Symposium on Computer-Based Medical Systems	Using PMWAN for eHealth - Use Case Analysis and Implementation	International	Mixed roles	14	Cardiology	Electrocardiogram diagnosis	Interviews	5
Andrews, J.	2017	Thesis	Applying digital technology to the prediction of depression and anxiety in older adults	UK	Healthcare professionals	7	Psychiatry	Depression and anxiety triage	Interviews	10
Ash, J.S. and Chase, D. and Baron, S. and Fillos, M.S. and Shiffman, R.N. and Marovich, S. and Wolven, J. and Luetmann, G.B.	2020	Applied Clinical Informatics	Clinical Decision Support for Worker Health: A Five-Site Qualitative Needs Assessment in Primary Care Settings	USA	Mixed roles	191	Mixed	Not specified	Mixed	10
Ash, J. S. and Sittig, D. F. and McMullen, C. K. and Wright, A. and Bunce, A. and Mohan, V. and Cohen, D. J. and Middleton, B.	2015	BMC Medical Informatics & Decision Making	Multiple perspectives on clinical decision support: a qualitative study of fifteen clinical and vendor organizations	USA	Mixed roles	83	Occupational Health	Occupational health management	Mixed	10
Bayram, M. T. and Del Gigante, J. and Moran, M. and S and arabura, I. and Li, L. and Richardson, K. L. and S and hu, A. and Lehotzky, E. C. and Westbrook, J. I. and Day, R. O.	2017	Applied Clinical Informatics	Redesign of computerized decision support to improve antimicrobial prescribing A controlled before-and-after study	Australia	Healthcare professionals	11	Microbiology	Antimicrobial prescription management	Interviews	8
Beede, Emma and Baylor, Elizabeth and Hersch, Fred and Iurchenko, Anna and Wilcox, Lauren and Ruamviboonsuk, Paisan and Vardoulakis, Laura M.	2020	Proceedings of the 2020 CHI Conference on Human Factors in Computing Systems	A Human-Centered Evaluation of a Deep Learning System Deployed in Clinics for the Detection of Diabetic Retinopathy	Thailand	Healthcare professionals	6	Ophthalmology	Community diabetic retinopathy triage	Mixed	9
Bendik, R. C. and Dao, L. T. and Abramson, E. L. and Kaushal, R. and Zhang, Y. X. and Angier, A. S.	2020	Journal of the American Medical Informatics Association	"How did you get to this number?" Stakeholder needs for implementing predictive analytics: a pre-implementation qualitative study	USA	Mixed roles	48	Public health	Population tool	Interviews	8
Biller-Andorno, N. and Ferrario, A. and Joebges, S. and Krones, T. and Massini, F. and Barth, P. and Arampatzis, G. and Krauthammer, M.	2021	Journal of Medical Ethics	AI support for ethical decision-making around resuscitation: Proceed with care	Switzerland	Healthcare professionals	11	Palliative care	Resuscitation management	Interviews	8
Blease, C. and Kharko, A. and Bernstein, M. and Bradley, C. and Houston, M. and Walz, I. and Gaab, J.	2019	Applied Clinical Informatics	Artificial Intelligence and the Future of Primary Care: Qualitative Qualitative Study of UK General Practitioners' Views	UK	Healthcare professionals	66	Primary care	Not specified	Survey	8
Bourla, A. and Ferreri, F. and Ogarkova, T. and Pereira, C. S. and Guinchard, C. and Mouchabac, S.	2018	JMIR Mental Health	Psychiatrists' Attitudes Toward Disruptive New Technologies: Mixed-Methods Study	France	Healthcare professionals	515	Psychiatry	Psychiatric prognosis	Survey	8
Cai, C. J. and Winter, S. and Steiner, D. and Wilcox, L. and Terry, M.	2019	Proceedings of the ACM on Human-Computer Interaction	"Hello AI": Uncovering the Onboarding Needs of Medical Practitioners for Human-AI Collaboration Decision-Making	USA	Healthcare professionals	21	Pathology	Histopathological diagnosis	Mixed	6
Cameron, D. B. and Sarcopa, C. C. and Bozinovski, S. and Noelle, G. and Herrmann, N. and Molnar, F. and Jordan, J. and Bozinovski, A. and Tee-Wai, D. and Doe, J. and Frank, C. and Heavy, B. and Poniatt, N. and Seitz, D. and Viklips, B. and Taylor, B. and Masella, M. and Rapoport, M. J.	2017	International Psychogeriatrics	Development of a decision-making tool for reporting drivers with mild dementia and mild cognitive impairment to transportation administrators	Canada	Mixed roles	25	Psychiatry	Driving eligibility management	Mixed	6
Cathie, G. and Centemeri, N. S. and Cathie, H. and Bonzani, A. and Belinelli, C. and Lillie, C. and Zwickhofer, V. and Huttner, B. D. and Bernasconi, E. and Huachler, M. and Fauma, P. and Prendki, V. and Schouten, J. and Gos, G. Cerasuolo Study	2020	International Journal of Medical Informatics	Factors determining the adherence to antimicrobial guidelines and the adoption of computerized decision support systems by physicians: A qualitative study in three European hospitals	Switzerland	Healthcare professionals	29	Microbiology	Antimicrobial prescription management	Interviews	9
Chang, W. and Liu, H. and Gooss, S. and Chen, J. and Chen, H. and Hsu, C.	2017	Clinical Nursing Research	Using the Five-Level Taipei Triage and Acuity Scale Computerized System: Factors in Decision-Making by Emergency Department Triage Nurses	Taiwan	Healthcare professionals	16	Emergency medicine	Emergency medicine triage	Interviews	8
Chirambo, G. B. and Muula, A. S. and Thomson, M.	2019	Informatics in Medicine Unlocked	Factors affecting sustainability of mHealth decision support tools and mHealth technologies in Malawi	Malawi	Mixed roles	19	Paediatrics	Not specified	Interviews	7
Chow, A. and Lee, D. C. B. and Arah, O. A.	2015	International Journal of Antimicrobial Agents	Psychosocial determinants of physicians' acceptance of recommendations by antibiotic computerized decision support systems: A mixed methods study	Singapore	Healthcare professionals	11	Microbiology	Antimicrobial prescription management	Focus groups	8
Chrimes, D. and Moa, B. and Kushniruk, A. and Mann, D. M.	2016	International Journal of Medical Informatics	Usability Testing of Avoiding Diabetes Thru Action Plan Targeting (ADAPT) decision support for interactive care-based counseling of pre-diabetes in an electronic health record	Canada	Healthcare professionals	13	Primary care	Community diabetes management	Think aloud	8
Chow, B. and Cooper, J. A. and Heathes, C. M. and Fabes, T. and Smith, S. M.	2016	Trials	A process evaluation of a cluster randomized trial to reduce potentially inappropriate prescribing in older people in primary care (OPTI-SCRIPT study)	Republic of Ireland	Mixed roles	28	Primary care	Medications management	Interviews	8
Collard, S. S. and Bagery, P. B. and Insel, K. E. and Laffel, L. and Weissberg, A. and Benchell, I. and Naranjo, D. and Bernard, A. and Kelly, K.	2020	Practical Diabetes	Exercising with an automated insulin delivery system: qualitative insight into the hopes and expectations of people with type 1 diabetes	International	Mixed roles	288	Endocrinology	Insulin dosing management	Interviews	9
Connell, A. and Black, G. and Montgomery, H. and Martin, P. and Nathiyavan, C. and Kina, D. and Karthikeyan, G. and Hughes, C. and Beck, T. and Avouris, N. and Sulemjee, M. and Jones, G. and Cross, J. and Stanley, S. and Emerson, M. and Merrick, C. and Rees, G. and Laine, C. and Baine, B.	2019	Journal of Medical Internet Research	Implementation of a Digitally Enabled Care Pathway (Part 2). Qualitative Analysis of Experiences of Health Care Professionals	UK	Healthcare professionals	19	Nephrology	Acute kidney injury diagnosis	Interviews	9
Cresswell, K. and Callaghan, M. and Mozaffar, H. and Sheikh, A.	2019	JMIR Health and Care Informatics	NHS Scotland's Decision Support Platform: A formative qualitative evaluation	UK	Mixed roles	Not specified	Primary care	General primary care management	Mixed	8
Dalton, K. and O'Mahony, D. and Cullinan, S. and Byrne, S.	2020	Drugs & Aging	Factors Affecting Prescriber Implementation of Computer-Generated Medication Recommendations in the SENATOR Trial: A Qualitative Study	International	Mixed roles	24	Care of the elderly	Medications management	Interviews	9
de Wolteradinge, A. and Pallmeier, D. and Graf, J. and Siegenthaler, N. and Pöckyn, B. and Andreassen, S. and Heidegger, C. P.	2021	Journal of Clinical Monitoring and Computing	Usability study of a new tool for nutritional and glycaemic management in adult intensive care: Glucomen® 2	Switzerland	Healthcare professionals	20	Intensive care	Insulin dosing management	Interviews	9
Dikomitis, L. and Green, T. and Macleod, U.	2015	Primary Health Care Research and Development	Embedding electronic decision-support tools for suspected cancer in primary care: a qualitative study of GPs' experiences	UK	Healthcare professionals	23	Primary care	Community cancer triage	Interviews	8
Fan, X. M. and Chao, D. V. and Zhang, Z. and Wang, D. X. and Li, X. H. and Tian, F.	2021	Journal of Medical Internet Research	Utilization of Self-Diagnosis Health Chatbots in Real-World Settings: Case Study	China	Patients, carers or the public	16119	Primary care	Public facing diagnostic chatbot	Observation	5
Flint, R. and Buchanan, D. and Jamieson, S. and Cauchieri, A. and Bottros, S. and Forbes, J. and George, J.	2019	International Journal of Environmental Research and Public Health	The Safer Prescription of Opioids Tool (SPOT): A Novel Clinical Decision Support Digital Health Platform for Opioid Conversion in Palliative and End of Life Care Canada Single-Centre Pilot Study	Canada	Healthcare professionals	22	Primary care	Medications management	Mixed	8
Flynn, D. and Redpath, D. I. and Ford, G. A. and McMahon, P. and Rodgers, H. and Kelly, P. and King, C. and Thomson, R. G.	2015	BMC Medical Informatics & Decision Making	Development of a computerized decision aid for thrombolysis in acute stroke	UK	Mixed roles	Not specified	Stroke	Stroke prognosis	Interviews	8
Gance-Cleveland, B. and Leiterman, J. and Aldrich, H. and Nodine, P. and Anderson, J. and Nacht, A. and Martin, J. and Carrington, S. and Gitkayouk, M.	2019	Journal of Midwifery and Women's Health	Using the Technology Acceptance Model to Develop StartSmart: mHealth for Screening, Brief Intervention, and Referral for Risk and Protective Factors in Pregnancy	USA	Mixed roles	18	Nursing and midwifery	Prenatal triage	Mixed	5
Gillan, C. and Milne, E. and Harnett, N. and Purdie, T. G. and Jaffray, D. A. and Hodges, B.	2019	Journal of Medical Internet Research	Professional implications of introducing artificial intelligence in healthcare: an evaluation of radiation oncology as a testing ground	Canada	Healthcare professionals	24	Oncology	Radiotherapy planning management	Focus groups	8
Goetz, C. M. and Arnetz, J. E. and Sudan, S. and Arnetz, B. B.	2020	PLoS One	Perceptions of virtual primary care physicians: A focus group study of medical and data science graduate students	USA	Healthcare professionals	Not specified	Primary care	Not specified	Focus groups	8
Gray, J. E. and Weiss, J. and O'Leary, T. A. and Carnevale, D. and Bernstein, S. L.	2020	Drug and Alcohol Dependence	Electronic decision support for treatment of hospitalized smokers: A qualitative analysis of physicians' knowledge, attitudes, and practices	USA	Healthcare professionals	21	Public health	Smoking cessation management	Interviews	8
Guarnier, D. and Abouzahra, M. and Schobori, I. and Radhakrishnan, A. and Nair, K. and Orr, S. and Langevin, J. and Tamrar, P. and Moulin, D. E.	2019	JMIR Medical Informatics	Design Process and Utilization of a Novel Clinical Decision Support System for Neuropathic Pain in Primary Care: Mixed Methods Observational Study	Canada	Healthcare professionals	23	Primary care	Neuropathic pain management	Focus groups	8
Haan, M. and Ongena, Y.P. and Hommes, S. and Kwee, T.C. and Yakar, D.	2019	Journal of the American college of radiology	A qualitative study to understand patient perspective on the use of artificial intelligence in radiology	Netherlands	Patients, carers or the public	20	Radiology	Not specified	Interviews	8
Jalali, Sarah A. M. and Hootsmans, Norbert A. M. and Blaisdell, Laura and Gutheil, Caitlin M. and Hao, Paul K.	2015	Health Expectations	Physicians' perceptions of the value of aromasin® models: the benefits and risks of aromasin® confidence	USA	Healthcare professionals	17	Palliative care	Life expectancy prognosis	Interviews	8
Jeyendell, Catherine and Cocozza, Andrea and Bussin, David and Macdonald, Orla and Wolters, Leona and Koschel, Ivan	2019	Evidence Based Mental Health	Implementing a digital clinical decision support tool for side effects of antipsychotics: a focus group study	UK	Healthcare professionals	8	Psychiatry	Medications management	Focus groups	8
Jozefiak, M. L. and Palmisiano, P. and Khan, D. Z. and Muirhead, W. and Koh, C. H. and Stoyanov, D. and Marcus, H. J.	2021	World Neurosurgery	Attitudes of the Surgical Team Toward Artificial Intelligence in Neurosurgery: International 2-Stage Cross-Sectional Survey	International	Healthcare professionals	33	Neurosurgery	Not specified	Survey	8
Jackson, Belinda D., Cao Q and De Cruz, Peter.	2018	Internal Medicine Journal	Design considerations for an eHealth decision support tool in inflammatory bowel disease self-management	Australia	Mixed roles	31	Gastroenterology	Inflammatory bowel disease self-management	Focus groups	8
Jacobs, J. and Weir, C. and Evans, R. S. and Staes, C.	2014	Applied Clinical Informatics	Assessment of readiness for clinical decision support to aid laboratory monitoring of immunosuppressive care at U.S. liver transplant centers	USA	Healthcare professionals	52	Gastroenterology	Not specified	Survey	7
Jaak, S. and Kramer, D. and Avian, A. and Berghold, A. and Lepolder, M. and Schulz, S.	2021	Journal of Medical Internet Research	Technology Acceptance of a Machine Learning Algorithm Predicting Delirium in a Clinical Setting: a Mixed-Methods Study	Austria	Healthcare professionals	24	Psychiatry	Delirium prognosis	Focus groups	9
Johansson-Pajala, R. M.	2020	Informatics. Informatics. Nursing	Conditions for the Successful Implementation of Computer-Aided Drug Monitoring From Registered Nurses' Perspective-A Care Site Analysis	Sweden	Healthcare professionals	8	Primary care	Medications management	Focus groups	10
Johansson-Pajala, R. M. and Gustafsson, L. K. and Blomgren, K. I. and Fairbairn, J. and Martin, I.	2017	Journal of Nursing Management	Nurses' use of computerized decision support systems effects drug monitoring in nursing homes	Sweden	Healthcare professionals	16	Primary care	Medications management	Interviews	8
Jones, W. and Drake, C. and Mack, D. and Beeler, B. and Trautner, B. and Wald, H.	2017	Applied Clinical Informatics	Developing Mobile Clinical Decision Support for Nursing Home Staff Assessment of Urinary Tract Infection using Goal-Directed Design	USA	Mixed roles	3	Primary care	Urinary tract infection diagnosis	Mixed	8
Joshi, M.	2020	Blue and Blouse: Decolonizing Nursing	Machine learning based and rule-based sepsis risk prediction tools: a qualitative study of implementation challenges and approaches	USA	Healthcare managers or leaders	13	Primary care	Sepsis diagnosis	Interviews	7
Jutzi, T. B. and Krieghoff-Henning, E. I. and Holland-Letz, T. and Utikal, J. S. and Hauschild, A. and Schadendorf, D. and Sondermann, W. and Fröhling, S. and Hekler, A. and Schmitt, M. and Maron, R. C. and Brinker, T. J.	2020	JMIR Formative Research	Artificial Intelligence in Skin Cancer Diagnostics: The Patients' Perspective	Germany	Patients, carers or the public	298	Dermatology	Skin cancer diagnosis	Survey	6
Kendall, Cynthia and Kosecha, Jyoti and Martin, Mary and Han, Hen and Ingemann, Margaret and Robin	2019	Canadian Family Physician	Patient and caregiver perspectives on early identification for advance care planning in primary healthcare settings	Canada	Mixed roles	14	Primary care	Life expectancy prognosis	Mixed	8
Keogh, L. A. and Steel, E. and Wesselman, P. and Bulow, P. and Collins, I. M. and Emery, J. D. and Mann, G. B. and Bickerstaffe, A. and Trainer, A. H. and Hopper, L. J. and Phillips, K. A.	2019	Breast	Consumer and clinician perspectives on personalising breast cancer prevention information	Australia	Mixed roles	49	Oncology	Breast cancer prognosis	Focus groups	9
Klarenbeek, S. E. and Schuurbiers-Siebers, O. C. J. and van den Heuvel, M. M. and Prokop, M. and Tummers, M.	2021	Radiology Basel	Barriers and Facilitators for Implementation of a Computerized Clinical Decision Support System in Lung Cancer Multidisciplinary Team Meetings-A Qualitative Assessment	Netherlands	Healthcare professionals	26	Oncology	Lung cancer management	Interviews	8
Knotto, S. I. and Bhusal, M. R.	2015	International Journal of Medical Informatics	Electronic diagnostic algorithms to assist mid-level health care workers in Nepal: a mixed-method exploratory study	Nepal	Healthcare professionals	9	Primary care	Community outreach diagnosis	Mixed	5
Lai, M. C. and Brian, M. and Mamzer, M. F.	2018	Perspectives in Biology and Medicine	Perceptions of artificial intelligence in healthcare: findings from a qualitative survey study among actors in France	France	Mixed roles	60	Mixed	Not specified	Interviews	8
Lawton, J. and Kirkham, J. and Rankin, D. and Bernard, K. and Cooper, C. L. and Taylor, C. and Heller, S. and Elliott, J. and Group, Respose	2014	Diabetes Research & Clinical Practice	Perceptions and experiences of using automated bolus advisors amongst people with type 1 diabetes: a longitudinal qualitative investigation	UK	Patients, carers or the public	42	Endocrinology	Insulin dosing management	Interviews	8
Lee, C. I. and Khokhotva, O. and Weidman, B. A. and Wenzel, N. S. and Timbie, J. W. and Lourenco, A. P. and Lourenco, A. P. and Hussey, P. S. and Kahn, K. L.	2021	Lancet Digital Health	Radiologists' perceptions of computerized decision support: A focus group study from the medicare imaging demonstration project	USA	Healthcare professionals	26	Radiology	Low risk imaging triage	Focus groups	8
Lennox-Chhugani, N. and Chen, Y. and Pearson, V. and Trusiewicz, A. and James, J.	2021	JMIR Health and Care Informatics	Women's attitudes to the use of AI image readers: A case study from a national breast screening programme	UK	Patients, carers or the public	4171	Oncology	Breast cancer triage	Mixed	6
Liberati, E. G. and Ruggiero, F. and Galuppo, L. and Gorli, M. and Morelli, M. and Nonino, F. and Carodiozzi, M. and Rosi, A. and Kwak, K. and Scorsti, G. and Nanni, O. and Buetti, P. and Polo Friz, H. and Cimminiello, C. and Bosio, M. and Moraja, M. and Moja, L.	2017	Implementation Science	Barriers and facilitators to the implementation of computerized decision support systems in Italian hospitals: a grounded theory study	Italy	Mixed roles	24	Mixed	General secondary care management	Interviews	7
Liberati, Elisa G. and Ruggiero, Francesco and Galuppo, Laura and Gorli, Mara and Gonçalves-Bradley, Daniela C. and Spiga, Roberta and Mauricio, Dennis and Fox, Herman Pola and Scarpetti, Giuseppe and Kwan, Bonnie M. and Vespignani, Roberta and Moja, Lorenzo and Polo Friz, Herman	2017	Implementation Science	What hinders the uptake of computerized decision support systems in hospitals? A qualitative study and framework for implementation	Italy	Mixed roles	30	Mixed	General secondary care management	Interviews	7
Luetkemeyer, M. and Weesie, J. and van der Weijden, T. and Weenen, G. P. and Kool, B. B.	2015	BMC Medical Informatics & Decision Making	Implementation of multiple-domain computerized decision support systems in primary care: a focus group study on perceived barriers	Netherlands	Healthcare professionals	24	Primary care	General primary care management	Focus groups	8
Lytle, K. S. and Shoss, M. K. and Robinson, R. L. and Horseth, M. M.	2015	CN. Computers. Informatics. Nursing	Clinical Decision Support for Nurses: A Fall Risk and Prevention Scenario	USA	Healthcare professionals	18	Nursing and midwifery	Falls risk triage	Focus groups	3
Marcolino, M. S. and Oliveira, J. A. Q. and Cinosi, C. C. R. and Maia, I. B. and Polo, V. G. D. and Sa, T. Q. V. and Amancio, K. and Coelho, L. and Ribeiro, L. B. and Cardoso, C. S. and Ribeiro, A. L.	2021	Journal of Medical Internet Research	Development and Implementation of a Decision Support System to Improve Control of Hypertension and Diabetes in a Resource-Constrained Area in Brazil: Mixed Methods Study	Brazil	Healthcare professionals	17	Primary care	Hypertension and diabetes management	Focus groups	9
McFadden, M. D. and Baba, A. and Saha, A. and Ahmed, S. and Boserup, K. and Fabbrellotti, P. and Cuomano, M. D.	2020	CMAJ Open	Ethical concerns around use of artificial intelligence in health-care research from the perspective of patients with meningioma, caregivers and health care providers: a qualitative study	Canada	Mixed roles	30	Neurosurgery	Not specified	Interviews	8
McDermott, L. and Fardles, L. and Little, P. and Van Staa, T. and Stevens, A. and McCann, G. and Ashworth, M. and Guilliford, M. and Charlton, J. and Rudd, T. and Wolfe, C. and Moore, M. V. and Tha-y, C. B. T. research team	2014	BMC Health Services Research	Process evaluation of a point-of-care cluster randomised trial using a computer-delivered intervention to reduce antibiotic prescribing in primary care	UK	Mixed roles	24	Primary care	Antimicrobial prescription management	Interviews	8
Mills, Jaedene and Arkuja, N. M.	2020	Healthcare Informatics Research	Impact of the Fourth Industrial Revolution on the Health Sector: A Qualitative Study	International	Mixed roles	10	Mixed	Not specified	Interviews	3
Miller, Melissa K. and Mishler, Cynthia and Bohr, Kelli and Dowd, M. Denise and Miller, Elizabeth and Satterwhite, Catherine L. and Stanzil, Stephani and Allen, Nancy and Michael, Jeffery and Inboribson, P. Charles and Park, Andrew and Goggin, Kathy and Cloutier, Robert	2019	Academic Emergency Medicine	Development of a Novel Clinical Decision Support System to Improve Adolescent Sexual Health Care Provision	USA	Healthcare professionals	114	Emergency medicine	Sexually transmitted infection management	Interviews	9
Morgenstern, J. D. and Rosella, L. C. and Daley, M. J. and Goel, V. and Schuemaker, H. J. and Piggott, T.	2021	BMC Public Health	"AI's gonna have an impact on everything in society, so it has to have an impact on public health": a fundamental qualitative descriptive study of the implications of artificial intelligence for public health	International	Mixed roles	11	Public health	Not specified	Interviews	8
Mozaffar, C. and Schmutz, E. and Laure Depeyre, J. and Perez M. A. and Cotting, J. and Jotterand Chaparro, C.	2020	Nutrition Clinical Care	Physicians' perceptions about managing enteral nutrition and the implementation of tools to assist in nutritional decision-making in a paediatric intensive care unit	Switzerland	Healthcare professionals	40	Paediatrics	Inpatient enteral nutrition management	Interviews	8
Mozeffar, Hajar and Cresswell, Kathrin M. and Lee, Lisa and Williams, Robin and Sheikh, Aziz	2016	BMC Medical Informatics & Decision Making	Taxonomy of delays in the implementation of hospital computerised physician order entry and clinical decision support systems for prescribing: a longitudinal qualitative study	UK	Mixed roles	218	Mixed	Not specified	Mixed	8
Muth, C. and Harder, S. and Lillemann, L. and Bochan, I. and Fullerton, B. and Guthlin, C. and Erler, A. and Beyer, M. and Van Den Akker, M. and Perera, R. and Knottnerus, A. and Valderas, J. M. and Gerlach, F. M. and Haefeli, W. E.	2016	BMC Open	Pilot study to test the feasibility of a trial design and complex intervention on PIM stopping MU Breakstudies in M ultimorbidity in general practices (PRIMUM pilot)	Germany	Healthcare professionals	10	Primary care	Medications management	Interviews	4
Nelson, C. A. and Perez-Chada, L. M. and Creadore, A. and Li, S. J. and Lo, K. and Manjaly, P. and Pournamdari, A. B. and Tkachenko, E. and Barbieri, J. S. and Ko, J. T. M. and Menon, A. V. and Hartman, R. I. and Mostaghimi, A.	2020	JAMA Dermatology	Patient Perspectives on the Use of Artificial Intelligence for Skin Cancer Screening A Qualitative Study	USA	Patients, carers or the public	48	Dermatology	Skin cancer diagnosis	Interviews	8
Nishi, Shannon E. and Weaver, Nancy L. and Beckstrand, Angela and Jopke, Kent A. and Olsen, Maia and Tompkins, Ron	2016	Health Promotion Practice	Translating an Evidence-Based Injury Prevention Program for Implementation in a Home Visitation Setting	USA	Healthcare professionals	15	Paediatrics	Home injury prevention management	Interviews	8
Nova, Ann and a A. and Zerin, Aein and Heckman, George A. W.	2020	Journal of the American Medical Directors Association	Physician Views on a Computerized Decision Support System for Home Care Information Exchange	Canada	Healthcare professionals	10	Primary care	Not specified	Interviews	8
Orchard, J. and Li, J. and Gallagher, A. and Freedman, B. and Lowres, N. and Neubeck, L.	2020	JMIR Cardiovascular Medicine	Uptake of a primary care atrial fibrillation screening program (AF-SMART)	Australia	Mixed roles	45	Primary care	Atrial fibrillation diagnosis	Interviews	8
Jinshaw, J. and Freedman, S.B. and Lowres, N. and Peiris, D. and Neubeck, L.	2021	Australian Family Physician	iPhone ECG screening for practice staff and nonprofessionals for atrial fibrillation in general practice: the GP-SEARCH qualitative pilot study	Australia	Mixed roles	14	Primary care	Atrial fibrillation diagnosis	Interviews	8
Pope, N. I. B. and Bowyer, M. T. and Westbrook, J. I.	2019	Journal of Pharmacy Practice and Research	Selection and use of decision support alerts in electronic medication management systems in Australian hospitals: a survey of implementers	Australia	Mixed roles	15	Mixed	Medications management	Survey	8
Pazandeh, M. M. and Mills, A. and Johnson, M. and Emery, J. D. and Walter, F. M.	2019	BMJ Open	Understanding implementation and adoption of electronic clinical decision support MCBS for melanoma in English primary care: A qualitative investigation	UK	Healthcare professionals	24	Dermatology	Skin cancer triage	Interviews	8
Park, C. J. and Yi, P. H. and Siewert, K. L.	2020	Current Problems in Diagnostic Radiology	Medical Student Perspectives on the Impact of Artificial Intelligence on the Practice of Medicine	Canada	Healthcare professionals	156	Radiology	Not specified	Interviews	6
Patel, Bindu and Usherwood, Tim and Harris, Mark and Patel, Anuradha and Panaretto, Kathryn and Zwar, Nicholas and Peiris, David	2018	Implementation Science	What drives adoption of a computerised, multifaceted quality improvement intervention for cardiovascular disease management in primary healthcare settings? A mixed methods analysis using normalisation process theory	Australia	Mixed roles	19	Primary care	Cardiovascular disease triage	Interviews	8
Pattinkadi, C. and Mutuku, A. and Dent, J. L. and Reis, C.	2020	Studies in health technology and informatics	Investigating the barriers to physician adoption of an artificial intelligence-based decision support system in emergency care: An interpretative qualitative study	Canada	Mixed roles	20	Emergency medicine	Emergency medicine triage	Interviews	7
Pattison, D. and Hopewell, J. and Wyatt, J. C.	2020	Clinical Medicine. Journal of the Royal College of Physicians of London	What do senior physicians think about AI and clinical decision support systems: Qualitative and qualitative analysis of data from specialty societies	UK	Healthcare professionals	19	Not specified	Not specified	Survey	8
Phillips, C. J. and Chan, C. T. S. and Eaton, V. S. and Woodman, R. J. and Marasinis, A. A.	2015	Journal of Pharmacy Practice and Research	Doctors' perspectives towards a bedside aminoglycoside therapeutic drug monitoring service: A collaboration between pharmacy and clinical pharmacology	Australia	Healthcare professionals	33	Microbiology	Aminoglycoside toxicity diagnosis	Survey	8
Pope, C. and Turnbull, J.	2017	Journal of Health Organization and Management	Using the concept of holism to understand the work entailed in using digital technologies in healthcare	UK	Mixed roles	843	Mixed	Emergency medical triage	Mixed	7
Porter, A. and Dale, J. and Foster, T. and Lawn, P. and Wells, B. and Snooks, H.	2020	Implementation Science	Implementation and use of a computerised clinical decision support (CCDS) in emergency care hospital care	UK	Healthcare professionals	20	Emergency medicine	Pre-hospital emergency management	Mixed	8
Rapanos, Mark I. and Sarcopa, Carla Eurchen and Mulvey, Bernie M. and Seitz, Dallas P. and Molnar, Frank and Nashe, Gary and Herrmann, Nathan and Bozinovski, Linda	2020	Health Informatics Journal	A virtual second opinion: Acceptability of a computer-based decision tool to assess older drivers with dementia	Canada	Healthcare professionals	24	Primary care	Driving eligibility management	Interviews	9
Reynolds, T. L. and Dekaris, P. R. and Lasuikof, K. A. and Gaon, T. and Wheeler, N. I. and B and ell, J. A. and Beyersmann, J. G. and Zheng, K.	2020	JAMIA Open	Evaluating a handheld decision support device in pediatric intensive care settings	Australia	Healthcare professionals	84	Paediatrics	Intensive care management	Mixed	8
Rudkowski, J. and Bruins, J. and Kowalczyk, M. and Pedersen, P. and Bozovich, A. and Cenkovic, S.	2021	Schizophrenia bulletin	Qualitative analysis of clinicians' perspectives on the use of a computerized decision aid in the treatment of psychotic disorders	Netherlands	Healthcare professionals	33	Psychiatry	Psychotic disorder management	Interviews	8
Rupprecht, C.	2021	Psychiatrische Praxis	Allowing the Data to Speak for Themselves" – The Classification of Mental Disorders and the Imaginary of Computational Psychiatry	Germany	Healthcare professionals	20	Psychiatry	Not specified	Interviews	6
Sandhu, K. and Ali, Birger N. Sperling I. Bartlff M. Bedoya AD. Batu S. O'Brien C and Sendzik MP	2020	Journal of Medical Internet Research	Integrating a Machine-Learning System Into Clinical Workflows: Qualitative Study	USA	Healthcare professionals	15	Emergency medicine	Sepsis diagnosis	Interviews	8
Santillo, M. and Sayer, K. and Kruschke, A. and Mowbray, T. and Jones, N. and Reto, T. E. A. and Walker, A. S. and Llewelyn, M. J. and Hardley, L. and Hospital, A. R. K.	2019	Journal of Antimicrobial Chemotherapy	Intervention planning for Antibiotic Review Kit (ARK): a digital and behavioural intervention to safely review and reduce antibiotic prescriptions in acute and general medicine	UK	Healthcare professionals	20	Microbiology	Antimicrobial prescription management	Mixed	7
Sawyer, M. and O'Donnell, L. K. and Reece, E. and Grigdis, D. and Chen, T. F. and Kelly, P. J. and Bell, J. S. and Hilmer, S. N.	2021	Research in Social and Administrative Pharmacy	The utility of a computerised clinical decision support system intervention in home medicines review: A mixed-methods process evaluation	Australia	Patients, carers or the public	13	Primary care	Medications management	Interviews	8
Shanesie, C. L. and Bartels, S. M. and Cepeda, M. and Castro, S. and Cubillos, L. and Suarez-Obando, F. and Williams, M. J. and Gomez Restrepo, C. and Uribe, M. and Marsch, L. and Torrey, W. C.	2021	Community Mental Health Journal	Perspectives on the Implementation of Screening and Treatment for Depression and Alcohol Use Disorder in Primary Care in Colombia	Colombia	Mixed roles	18	Primary care	Depression and alcohol misuse diagnosis	Interviews	10
Sharpe, Cynthia and Dean, Susanne L. and Bender, Jeff L. and Sequeira, Mara and Wilde, Sonia G. and Lee, Lilly J. and Gold, Jeff J. and Nagaraja, Mohan and Hunsaker, Rachel and Gardner, Melissa and Hoendorf, Jose and Lane, Brian and Knodel, Ellen and Rowe, Deborah and Barton, Malcolm B. and Bridge, Renee and Gu	2019	Journal of Clinical Neuropsychology	Assessing the Feasibility of Providing a Real-Time Response to Seizures Detected With Continuous Long-Term Neonatal Electroencephalography Monitoring	International	Healthcare professionals	24	Paediatrics	Seizure diagnosis	Interviews	7
Silveira, D. and Marcolino, M. S. and Machado, E. L. and Ferreira, C. G. and Monteiro Alkmim, M. B. and Nogueira, E. S. and Carvalho, G. T. and Ribeiro, A. L.	2019	JMIR mHealth and uHealth	Development and evaluation of a mobile decision support system for hypertension management in the primary care setting in Brazil: mixed-methods field study on usability, feasibility, and utility	Brazil	Healthcare professionals	5	Primary care	Hypertension management	Focus groups	7
Sollig, S. and Kolbenton-Hess, I. and Walter, B. S. and Dietz, T. S. and Maß, C. and Pfaff, H. and Karbach, U. and Kellermann-Mulhoff, P. and AdAM Study Group	2020	Implementation Science	From sensitization to adoption? A qualitative study of the implementation of a digitally supported intervention for clinical decision making in polypharmacy	Germany	Patients, carers or the public	27	Primary care	Medications management	Interviews	9
Sukums, F. and Mensah, N. and M