

**Table S1.** Search strategy Cochrane

ID	Keyword	Result	Update result
#1	MeSH descriptor: [Health Personnel] explode all trees	9059	10297
#2	MeSH descriptor: [Medical Staff] explode all trees	331	344
#3	MeSH descriptor: [Nursing Staff] explode all trees	650	683
#4	MeSH descriptor: [Physicians] explode all trees	2078	2379
#5	MeSH descriptor: [General Practitioners] explode all trees	280	332
#6	MeSH descriptor: [Physical Therapists] explode all trees	119	153
#7	MeSH descriptor: [Nurse Administrators] explode all trees	28	29
#8	("health personnel"):ti,ab,kw	3644	3940
#9	("medical staff"):ti,ab,kw	1471	1610
#10	(nurse*):ti,ab,kw	26663	29011
#11	("nursing staff"):ti,ab,kw	2293	2509
#12	(physician*):ti,ab,kw	45163	48715
#13	(doctor*):ti,ab,kw	15110	16422
#14	("general practitioner*"):ti,ab,kw	7222	7652
#15	(physiotherapist*):ti,ab,kw	5318	6057
#16	("physical therapists"):ti,ab,kw	1814	2038
#17	(manager*):ti,ab,kw	3479	3823
#18	(chief):ti,ab,kw	1185	1343
#19	#1 OR #2 OR #3 OR #4 OR #5 OR #6 OR #7 OR #8 OR #9 OR #10 OR #11 OR #12 OR #13 OR #14 OR #15 OR #16 OR #17 OR #18	96670	105427
#20	MeSH descriptor: [Patient Safety] explode all trees	659	718
#21	MeSH descriptor: [Safety Management] explode all trees	173	176
#22	MeSH descriptor: [Patient Compliance] explode all trees	12131	12652
#23	MeSH descriptor: [Continuity of Patient Care] explode all trees	25532	28607
#24	MeSH descriptor: [Physician-Patient Relations] explode all trees	1403	1465
#25	MeSH descriptor: [Patient-Centered Care] explode all trees	747	837
#26	MeSH descriptor: [Medication Adherence] explode all trees	2440	2716
#27	MeSH descriptor: [Patient Satisfaction] explode all trees	12271	12775
#28	MeSH descriptor: [Quality Improvement] explode all trees	739	817
#29	("patient safety"):ti,ab,kw	7356	7935
#30	("safety management"):ti,ab,kw	239	247
#31	("safety culture"):ti,ab,kw	81	89
#32	("quality of health care"):ti,ab,kw	1019	1063
#33	("patient compliance"):ti,ab,kw	20654	21476
#34	("continuity of patient care"):ti,ab,kw	678	697

#35	("physician-patient relations"):ti,ab,kw	1456	1506
#36	("patient-centered care"):ti,ab,kw	1062	1150
#37	("medication adherence"):ti,ab,kw	5776	6430
#38	("patient satisfaction"):ti,ab,kw	28169	30598
#39	("patient experience"):ti,ab,kw	3389	3928
#40	("quality improvement"):ti,ab,kw	3165	3473
#41	#20 OR #21 OR #22 OR #23 OR #24 OR #25 OR #26 OR #27 OR #28 OR #29 OR #30 OR #31 OR #32 OR #33 OR #34 OR #35 OR #36 OR #37 OR #38 OR #39 OR #40	90000	98105
#42	MeSH descriptor: [Medical Errors] explode all trees	2785	2942
#43	MeSH descriptor: [Malpractice] explode all trees	21	23
#44	("medical error*"):ti,ab,kw	955	1019
#45	("human error*"):ti,ab,kw	69	83
#46	(malpractice):ti,ab,kw	76	83
#47	("iatrogenic disease*"):ti,ab,kw	299	325
#48	("serious incident*"):ti,ab,kw	16	22
#49	(service* OR system* OR communication* OR organisation* OR organization*):ti,ab,kw	303453	331246
#50	(weak* OR fail*):ti,ab,kw	139588	150364
#51	#49 AND #50	32009	34922
#52	(adverse OR avoidable OR preventable OR unsafe OR safet*):ti,ab,kw	608783	654740
#53	(event* OR outcome* OR complication* OR death OR effect* OR reaction* OR accident* OR injur*):ti,ab,kw	1289537	1389997
#54	#52 AND #53	531861	572702
#55	(medical* OR diagnostic OR therapeutic OR administration OR dispensing OR prescri*):ti,ab,kw	538878	572593
#56	(error* OR mistake* OR fault):ti,ab,kw	21115	23428
#57	#55 AND #56	7809	8610
#58	(patient):ti,ab,kw	989539	1064502
#59	(risk OR incident OR accident):ti,ab,kw	338211	369129
#60	#58 AND #59	237254	259089
#61	#42 OR #43 OR #44 OR #45 OR #46 OR #47 OR #48 OR #51 OR #54 OR #57 OR #60	653412	705210
#62	#19 AND #41 AND #61	7646	7646
#63	19 AND #41 AND #61 with Cochrane Library publication date Between Jan 2010 and Mar 2021, in Cochrane Reviews  Filters applied in search update: publication date Between 14/03/2021 and 24/05/2022, in Cochrane Reviews	179	20

**Table S2.** Search strategy Medline (via PubMed)

ID	Keyword	Result	Update result
#1	Search: Health Personnel[MeSH Terms]	532953	582430
#2	Search: Medical Staff[MeSH Terms]	27873	28533
#3	Search: Nursing Staff[MeSH Terms]	67196	69039
#4	Search: Physicians[MeSH Terms]	147916	166003
#5	Search: General Practitioners[MeSH Terms]	8316	9693
#6	Search: Physical Therapists[MeSH Terms]	2080	2702
#7	Search: Nurse Administrators[MeSH Terms]	13394	13876
#8	Search: "health personnel"[Title/Abstract]	8108	8796
#9	Search: "medical staff"[Title/Abstract]	13021	14501
#10	Search: nurse*[Title/Abstract]	286442	305706
#11	Search: "nursing staff"[Title/Abstract]	12747	13810
#12	Search: physician*[Title/Abstract]	408241	435148
#13	Search: doctor*[Title/Abstract]	133209	142938
#14	Search: "general practitioner"[Title/Abstract]	52042	54984
#15	Search: physiotherapist*[Title/Abstract]	8568	9742
#16	Search: "physical therapists"[Title/Abstract]	4532	5070
#17	Search: manager*[Title/Abstract]	57021	63440
#18	Search: chief[Title/Abstract]	28131	30781
#19	Search: (((((((((((((((Health Personnel[MeSH Terms]) OR (Medical Staff[MeSH Terms])) OR (Nursing Staff[MeSH Terms])) OR (Physicians[MeSH Terms])) OR (General Practitioners[MeSH Terms])) OR (Physical Therapists[MeSH Terms])) OR (Nurse Administrators[MeSH Terms])) OR ("health personnel"[Title/Abstract])) OR ("medical staff"[Title/Abstract])) OR (nurse*[Title/Abstract])) OR ("nursing staff"[Title/Abstract])) OR (physician*[Title/Abstract])) OR (doctor*[Title/Abstract])) OR ("general practitioner"[Title/Abstract])) OR (physiotherapist*[Title/Abstract])) OR ("physical therapists"[Title/Abstract])) OR (manager*[Title/Abstract])) OR (chief[Title/Abstract]))	1219348	1310922
#20	Search: Patient Safety[MeSH Terms]	22025	24480
#21	Search: Safety Management[MeSH Terms]	20557	21155
#22	Search: Patient Compliance[MeSH Terms]	79911	84128
#23	Search: Continuity of Patient Care[MeSH Terms]	253952	276501
#24	Search: Physician-Patient Relations[MeSH Terms]	73640	75489
#25	Search: Patient-Centered Care[MeSH Terms]	21224	23176
#26	Search: Medication Adherence[MeSH Terms]	21917	24616

#27	Search: Patient Satisfaction[MeSH Terms]	92380	97411
#28	Search: Quality Improvement[MeSH Terms]	27918	31995
#29	Search: "patient safety"[Title/Abstract]	33391	37314
#30	Search: "safety management"[Title/Abstract]	1495	1787
#31	Search: "safety culture"[Title/Abstract]	2275	2621
#32	Search: "quality of health care"[Title/Abstract]	4735	5198
#33	Search: "patient compliance"[Title/Abstract]	10103	10882
#34	Search: "continuity of patient care"[Title/Abstract]	558	661
#35	Search: "physician-patient relations"[Title/Abstract]	1551	1641
#36	Search: "patient-centered care"[Title/Abstract]	5613	6688
#37	Search: "medication adherence"[Title/Abstract]	11847	13527
#38	Search: "patient satisfaction"[Title/Abstract]	38946	43260
#39	Search: "patient experience"[Title/Abstract]	6886	8383
#40	Search: "quality improvement"[Title/Abstract]	41566	47674
#41	Search: (((((((((((((((Patient Safety[MeSH Terms]) OR (Safety Management[MeSH Terms]) OR (Patient Compliance[MeSH Terms]) OR (Continuity of Patient Care[MeSH Terms]) OR (Physician-Patient Relations[MeSH Terms]) OR (Patient-Centered Care[MeSH Terms]) OR (Medication Adherence[MeSH Terms]) OR (Patient Satisfaction[MeSH Terms]) OR (Quality Improvement[MeSH Terms]) OR ("patient safety"[Title/Abstract]) OR ("safety management"[Title/Abstract]) OR ("safety culture"[Title/Abstract]) OR ("quality of health care"[Title/Abstract]) OR ("patient compliance"[Title/Abstract]) OR ("continuity of patient care"[Title/Abstract]) OR ("physician-patient relations"[Title/Abstract]) OR ("patient-centered care"[Title/Abstract]) OR ("medication adherence"[Title/Abstract]) OR ("patient satisfaction"[Title/Abstract]) OR ("patient experience"[Title/Abstract]) OR ("quality improvement"[Title/Abstract])	636297	686638
#42	Search: Medical Errors[MeSH Terms]	115395	120058
#43	Search: Malpractice[MeSH Terms]	31798	32213
#44	Search: "medical error*"[Title/Abstract]	5308	5740
#45	Search: "human error*"[Title/Abstract]	2461	2819
#46	Search: malpractice[Title/Abstract]	10359	10697
#47	Search: "iatrogenic disease*"[Title/Abstract]	1343	1378
#48	Search: "serious incident*"[Title/Abstract]	233	250
#49	Search: service*[Title/Abstract] OR system*[Title/Abstract] OR communication*[Title/Abstract] OR organisation*[Title/Abstract] OR organization*[Title/Abstract]	4797762	5239889
#50	Search: weak*[Title/Abstract] OR fail*[Title/Abstract]	1508683	1618105
#51	Search: (service*[Title/Abstract] OR system*[Title/Abstract] OR communication*[Title/Abstract] OR organisation*[Title/Abstract] OR	303926	332312

	organization*[Title/Abstract]) AND (weak*[Title/Abstract] OR fail*[Title/Abstract])		
#52	Search: adverse[Title/Abstract] OR avoidable[Title/Abstract] OR preventable[Title/Abstract] OR unsafe[Title/Abstract] OR safet*[Title/Abstract]	1019678	1146300
#53	Search: event*[Title/Abstract] OR outcome*[Title/Abstract] OR complication*[Title/Abstract] OR death[Title/Abstract] OR effect*[Title/Abstract] OR reaction*[Title/Abstract] OR accident*[Title/Abstract] OR injur*[Title/Abstract]	11228524	12146537
#54	Search: (adverse[Title/Abstract] OR avoidable[Title/Abstract] OR preventable[Title/Abstract] OR unsafe[Title/Abstract] OR safet*[Title/Abstract]) AND (event*[Title/Abstract] OR outcome*[Title/Abstract] OR complication*[Title/Abstract] OR death[Title/Abstract] OR effect*[Title/Abstract] OR reaction*[Title/Abstract] OR accident*[Title/Abstract] OR injur*[Title/Abstract])	811803	914634
#55	Search: medical*[Title/Abstract] OR diagnostic[Title/Abstract] OR therapeutic[Title/Abstract] OR administration[Title/Abstract] OR dispensing[Title/Abstract] OR prescri*[Title/Abstract]	2953321	3191645
#56	Search: error*[Title/Abstract] OR mistake*[Title/Abstract] OR fault[Title/Abstract]	351854	384100
#57	Search: (medical*[Title/Abstract] OR diagnostic[Title/Abstract] OR therapeutic[Title/Abstract] OR administration[Title/Abstract] OR dispensing[Title/Abstract] OR prescri*[Title/Abstract]) AND (error*[Title/Abstract] OR mistake*[Title/Abstract] OR fault[Title/Abstract])	53140	58285
#58	Search: patient[Title/Abstract]	2459635	2666943
#59	Search: risk[Title/Abstract] OR incident[Title/Abstract] OR accident[Title/Abstract]	2328428	2587565
#60	Search: (patient[Title/Abstract]) AND (risk[Title/Abstract] OR incident[Title/Abstract] OR accident[Title/Abstract])	373651	416979
#61	Search: (((((((((Medical Errors[MeSH Terms]) OR (Malpractice[MeSH Terms])) OR ("medical error*[Title/Abstract]) OR ("human error*[Title/Abstract]) OR (malpractice[Title/Abstract]) OR ("iatrogenic disease*[Title/Abstract]) OR ("serious incident*[Title/Abstract]) OR ((service*[Title/Abstract] OR system*[Title/Abstract] OR communication*[Title/Abstract] OR organisation*[Title/Abstract] OR organization*[Title/Abstract]) AND (weak*[Title/Abstract] OR fail*[Title/Abstract]))) OR ((adverse[Title/Abstract] OR avoidable[Title/Abstract] OR preventable[Title/Abstract] OR unsafe[Title/Abstract] OR safet*[Title/Abstract]) AND (event*[Title/Abstract] OR outcome*[Title/Abstract] OR complication*[Title/Abstract] OR death[Title/Abstract] OR effect*[Title/Abstract] OR reaction*[Title/Abstract] OR accident*[Title/Abstract] OR injur*[Title/Abstract]))) OR ((medical*[Title/Abstract] OR diagnostic[Title/Abstract] OR therapeutic[Title/Abstract] OR administration[Title/Abstract] OR	1576742	1747939

	dispensing[Title/Abstract] OR prescri*[Title/Abstract] AND (error*[Title/Abstract] OR mistake*[Title/Abstract] OR fault[Title/Abstract])) OR ((patient[Title/Abstract]) AND (risk[Title/Abstract] OR incident[Title/Abstract] OR accident[Title/Abstract]))		
#62	Search: (((((((((((((((Health Personnel[MeSH Terms]) OR (Medical Staff[MeSH Terms])) OR (Nursing Staff[MeSH Terms])) OR (Physicians[MeSH Terms])) OR (General Practitioners[MeSH Terms])) OR (Physical Therapists[MeSH Terms])) OR (Nurse Administrators[MeSH Terms])) OR ("health personnel"[Title/Abstract])) OR ("medical staff"[Title/Abstract])) OR (nurse*[Title/Abstract])) OR ("nursing staff"[Title/Abstract])) OR (physician*[Title/Abstract])) OR (doctor*[Title/Abstract])) OR ("general practitioner*" [Title/Abstract])) OR (physiotherapist*[Title/Abstract])) OR ("physical therapists"[Title/Abstract])) OR (manager*[Title/Abstract])) OR (chief[Title/Abstract])) AND (((((((((((((((Patient Safety[MeSH Terms]) OR (Safety Management[MeSH Terms])) OR (Patient Compliance[MeSH Terms])) OR (Continuity of Patient Care[MeSH Terms])) OR (Physician-Patient Relations[MeSH Terms])) OR (Patient-Centered Care[MeSH Terms])) OR (Medication Adherence[MeSH Terms])) OR (Patient Satisfaction[MeSH Terms])) OR (Quality Improvement[MeSH Terms])) OR ("patient safety"[Title/Abstract])) OR ("safety management"[Title/Abstract])) OR ("safety culture"[Title/Abstract])) OR ("quality of health care"[Title/Abstract])) OR ("patient compliance"[Title/Abstract])) OR ("continuity of patient care"[Title/Abstract])) OR ("physician-patient relations"[Title/Abstract])) OR ("patient-centered care"[Title/Abstract])) OR ("medication adherence"[Title/Abstract])) OR ("patient satisfaction"[Title/Abstract])) OR ("patient experience"[Title/Abstract])) OR ("quality improvement"[Title/Abstract])) AND (((((((((((Medical Errors[MeSH Terms]) OR (Malpractice[MeSH Terms])) OR ("medical error*" [Title/Abstract])) OR ("human error*" [Title/Abstract])) OR (malpractice[Title/Abstract])) OR ("iatrogenic disease*" [Title/Abstract])) OR ("serious incident*" [Title/Abstract])) OR ((service*[Title/Abstract] OR system*[Title/Abstract] OR communication*[Title/Abstract] OR organisation*[Title/Abstract] OR organization*[Title/Abstract]) AND (weak*[Title/Abstract] OR fail*[Title/Abstract])) OR ((adverse[Title/Abstract] OR avoidable[Title/Abstract] OR preventable[Title/Abstract] OR unsafe[Title/Abstract] OR safet*[Title/Abstract]) AND (event*[Title/Abstract] OR outcome*[Title/Abstract] OR complication*[Title/Abstract] OR death[Title/Abstract] OR effect*[Title/Abstract] OR reaction*[Title/Abstract] OR accident*[Title/Abstract] OR injur*[Title/Abstract])) OR ((medical*[Title/Abstract] OR diagnostic[Title/Abstract] OR therapeutic[Title/Abstract] OR administration[Title/Abstract] OR dispensing[Title/Abstract] OR prescri*[Title/Abstract]) AND (error*[Title/Abstract] OR mistake*[Title/Abstract] OR fault[Title/Abstract])) OR ((patient[Title/Abstract]) AND	30203	33465

	(risk[Title/Abstract] OR incident[Title/Abstract] OR accident[Title/Abstract]))		
#63	<p>Search: (((((((((((((((Health Personnel[MeSH Terms]) OR (Medical Staff[MeSH Terms])) OR (Nursing Staff[MeSH Terms])) OR (Physicians[MeSH Terms])) OR (General Practitioners[MeSH Terms])) OR (Physical Therapists[MeSH Terms])) OR (Nurse Administrators[MeSH Terms])) OR ("health personnel"[Title/Abstract])) OR ("medical staff"[Title/Abstract])) OR (nurse*[Title/Abstract])) OR ("nursing staff"[Title/Abstract])) OR (physician*[Title/Abstract])) OR (doctor*[Title/Abstract])) OR ("general practitioner"[Title/Abstract])) OR (physiotherapist*[Title/Abstract])) OR ("physical therapists"[Title/Abstract])) OR (manager*[Title/Abstract])) OR (chief[Title/Abstract])) AND (((((((((((((((Patient Safety[MeSH Terms]) OR (Safety Management[MeSH Terms])) OR (Patient Compliance[MeSH Terms])) OR (Continuity of Patient Care[MeSH Terms])) OR (Physician-Patient Relations[MeSH Terms])) OR (Patient-Centered Care[MeSH Terms])) OR (Medication Adherence[MeSH Terms])) OR (Patient Satisfaction[MeSH Terms])) OR (Quality Improvement[MeSH Terms])) OR ("patient safety"[Title/Abstract])) OR ("safety management"[Title/Abstract])) OR ("safety culture"[Title/Abstract])) OR ("quality of health care"[Title/Abstract])) OR ("patient compliance"[Title/Abstract])) OR ("continuity of patient care"[Title/Abstract])) OR ("physician-patient relations"[Title/Abstract])) OR ("patient-centered care"[Title/Abstract])) OR ("medication adherence"[Title/Abstract])) OR ("patient satisfaction"[Title/Abstract])) OR ("patient experience"[Title/Abstract])) OR ("quality improvement"[Title/Abstract])) AND (((((((((((Medical Errors[MeSH Terms]) OR (Malpractice[MeSH Terms])) OR ("medical error"[Title/Abstract])) OR ("human error"[Title/Abstract])) OR (malpractice[Title/Abstract])) OR ("iatrogenic disease"[Title/Abstract])) OR ("serious incident"[Title/Abstract])) OR ((service*[Title/Abstract] OR system*[Title/Abstract] OR communication*[Title/Abstract] OR organisation*[Title/Abstract] OR organization*[Title/Abstract]) AND (weak*[Title/Abstract] OR fail*[Title/Abstract])) OR ((adverse[Title/Abstract] OR avoidable[Title/Abstract] OR preventable[Title/Abstract] OR unsafe[Title/Abstract] OR safet*[Title/Abstract]) AND (event*[Title/Abstract] OR outcome*[Title/Abstract] OR complication*[Title/Abstract] OR death[Title/Abstract] OR effect*[Title/Abstract] OR reaction*[Title/Abstract] OR accident*[Title/Abstract] OR injur*[Title/Abstract])) OR ((medical*[Title/Abstract] OR diagnostic[Title/Abstract] OR therapeutic[Title/Abstract] OR administration[Title/Abstract] OR</p>	819	155

	<p>dispensing[Title/Abstract] OR prescri*[Title/Abstract] AND  (error*[Title/Abstract] OR mistake*[Title/Abstract] OR  fault[Title/Abstract])) OR ((patient[Title/Abstract]) AND  (risk[Title/Abstract] OR incident[Title/Abstract] OR  accident[Title/Abstract])))) Filters: Meta-Analysis, Systematic Review,  English, from 2010 – 2021</p> <p>Filters applied in search update: Meta-Analysis, Systematic Review,  English, from 2021/3/14 - 2022/5/24</p>		
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**Table S3.** Search strategy Embase (via Ovid)

ID	Keyword	Result	Update result
#1	exp medical staff/	33935	35864
#2	exp nursing staff/	63905	66263
#3	exp physician/	778278	846601
#4	exp general practitioner/	98790	105148
#5	exp physiotherapist/	21746	24116
#6	exp nurse administrator/	13649	14178
#7	health personnel.ab,kw,ti.	6107	5791
#8	medical staff.ab,kw,ti.	17431	19096
#9	nurse*.ab,kw,ti.	313358	335135
#10	nursing staff.ab,kw,ti.	18388	19862
#11	physician*.ab,kw,ti.	536226	573162
#12	doctor*.ab,kw,ti.	174258	186937
#13	general practitioner.ab,kw,ti.	23559	24817
#14	physiotherapist*.ab,kw,ti.	17006	18740
#15	physical therapists.ab,kw,ti.	6105	6761
#16	manager*.ab,kw,ti.	66390	72436
#17	chief.ab,kw,ti.	34691	38618
#18	1 or 2 or 3 or 4 or 5 or 6 or 7 or 8 or 9 or 10 or 11 or 12 or 13 or 14 or 15 or 16 or 17	1581372	1703199
#19	exp patient safety/	132831	147933
#20	exp patient compliance/	160329	172132
#21	exp doctor patient relationship/	4601	6868
#22	exp medication compliance/	34850	40216
#23	exp patient satisfaction/	144389	155616
#24	exp total quality management/	70756	79006
#25	patient safety.ab,kw,ti.	49033	53605
#26	safety management.ab,kw,ti.	2557	2830
#27	safety culture.ab,kw,ti.	3078	3452
#28	quality of health care.ab,kw,ti.	10203	10854
#29	patient compliance.ab,kw,ti.	15875	17058
#30	continuity of patient care.ab,kw,ti.	880	974
#31	physician-patient relations.ab,kw,ti.	1235	1300
#32	patient-centered care.ab,kw,ti.	7481	8597
#33	medication adherence.ab,kw,ti.	19595	21855
#34	patient satisfaction.ab,kw,ti.	57255	62719
#35	patient experience.ab,kw,ti.	12277	14476

#36	quality improvement.ab,kw,ti.	64956	73022
#37	19 or 20 or 21 or 22 or 23 or 24 or 25 or 26 or 27 or 28 or 29 or 30 or 31 or 32 or 33 or 34 or 35 or 36	572450	628312
#38	exp medical error/	140876	152287
#39	exp malpractice/	25820	26270
#40	medical error*.ab,kw,ti.	7385	7876
#41	human error*.ab,kw,ti.	3793	4205
#42	malpractice.ab,kw,ti.	9082	9278
#43	iatrogenic disease*.ab,kw,ti.	919	950
#44	serious incident*.ab,kw,ti.	413	452
#45	(service* or system* or communication* or organisation* or organization*).ab,kw,ti.	5538833	5939973
#46	(weak* or fail*).ab,kw,ti.	1906795	2020107
#47	45 and 46	408061	434193
#48	(adverse or avoidable or preventable or unsafe or safet*).ab,kw,ti.	1517759	1662450
#49	(event* or outcome* or complication* or death or effect* or reaction* or accident* or injur*).ab,kw,ti.	12991137	13955264
#50	48 and 49	1244799	1366230
#51	(medical* or diagnostic or therapeutic or administration or dispensing or prescri*).ab,kw,ti.	3797447	4086438
#52	(error* or mistake* or fault).ab,kw,ti.	422871	460622
#53	51 and 52	79718	84385
#54	patient.ab,kw,ti.	3402763	3668160
#55	(risk or incident or accident).ab,kw,ti.	3306607	3606746
#56	54 and 55	633106	694992
#57	38 or 39 or 40 or 41 or 42 or 43 or 44 or 47 or 50 or 53 or 56	2328996	2538609
#58	18 and 37 and 57	41049	44274
#59	limit 58 to ((meta analysis or "systematic review") and (english) and yr="2010-Current")  Filters applied in search update: ((meta analysis or "systematic review") and (english) and yr="2021-Current")	1225	270

**Table S4.** List of studies included and excluded after full-text analysis

Lp.	Authors, Title, Journal	Full text status	Reason for exclusion
1	Kruse, C.S.; Mileski, M.; Syal, R.; MacNeil, L.; Chabarria, E.; Basch, C. Evaluating the relationship between health information technology and safer-prescribing in the long-term care setting: A systematic review. <i>Technol Health Care</i> . <b>2021</b> , 29(1), 1-14.	Included	–
2	Bukoh, M.X.; Siah C.R. A systematic review on the structured handover interventions between nurses in improving patient safety outcomes. <i>J Nurs Manag</i> . <b>2020</b> , 28(3), 744-755.	Included	–
3	McCarthy, B.; Fitzgerald, S.; O'Shea, M.; Condon, C.; Hartnett-Collins, G.; Clancy, M.; Sheehy, A.; Denieffe, S.; Bergin, M.; Savage E. Electronic nursing documentation interventions to promote or improve patient safety and quality care: A systematic review. <i>J Nurs Manag</i> . <b>2019</b> , 27(3), 491-501.	Included	–
4	Burton, A.; Burgess, C.; Dean, S.; Koutsopoulou, G.Z.; Hugh-Jones, S. How Effective are Mindfulness-Based Interventions for Reducing Stress Among Healthcare Professionals? A Systematic Review and Meta-Analysis. <i>Stress Health</i> . <b>2017</b> , 33(1): 3-13.	Included	–
5	Allred, D.P.; Kennedy, M.C.; Hughes, C.; Chen, T.F.; Miller P. et al. Interventions to optimise prescribing for older people in care homes. <i>Cochrane Database Syst Rev</i> . <b>2016</b> , 2(2), CD009095.	Included	–
6	Busireddy, K.R.; Miller, J.A.; Ellison, K.; Ren, V.; Qayyum, R.; Panda M. Efficacy of interventions to reduce resident physician burnout: A systematic review. <i>J Grad Med Educ</i> . <b>2017</b> , 9(3), 294-301.	Included	–
7	Hill, R.C.; Dempster, M.; Donnelly, M.; McCorry N.K. Improving the wellbeing of staff who work in palliative care settings: A systematic review of psychosocial interventions. <i>Palliat Med</i> . <b>2016</b> , 30(9), 825-833.	Included	–
8	Snowdon, D.A.; Hau, R.; Leggat, S.G.; Taylor N.F. Does clinical supervision of health professionals improve patient safety? A systematic review and meta-analysis. <i>Int J Qual Health Care</i> . <b>2016</b> , 28(4), 447-455.	Included	–
9	Marasinghe, K.M. Computerised clinical decision support systems to improve medication safety in long-term care homes: a systematic review. <i>BMJ Open</i> . <b>2015</b> , 5(5), e006539.	Included	–
10	Weaver, S.J.; Lubomski, L.H.; Wilson, R.F.; Pfoh, E.R.; Martinez, K.A.; Dy, S.M. Promoting a culture of safety as a patient safety strategy: a systematic review. <i>Ann Intern Med</i> . <b>2013</b> , 158, 369-374.	Included	–
11	Aaron, M.; Webb, A.; Luhanga U. A Narrative Review of Strategies to Increase Patient Safety Event Reporting by Residents. <i>J Grad Med Educ</i> . <b>2020</b> , 12(4), 415-424.	Excluded	S
12	Berglas, N.F.; Battistelli, M.F; Nicholson W.K.; Sobota, M.; Urman, R.D.; Roberts S.C.M. The effect of facility characteristics on patient safety, patient experience, and service availability for procedures in non-hospital-affiliated outpatient settings: A systematic review. <i>PLoS One</i> . <b>2018</b> , 13(1), e0190975.	Excluded	P, I

13	Bilotta, F.F.; Werner, S.M.; Bergese, S.D.; Rosa, G. Impact and implementation of simulation-based training for safety. <i>The Scientific World Journal</i> . <b>2013</b> , 652956.	Excluded	P, I, S
14	Boyd, J.; Wu, G.; Stelfox, H. The impact of checklists on inpatient safety outcomes: A systematic review of randomized controlled trials. <i>J Hosp Med</i> . <b>2017</b> , 12(8), 675-682.	Excluded	P
15	Campbell, A.R.; Layne, D.; Scott, E.; Wei H. Interventions to promote teamwork, delegation and communication among registered nurses and nursing assistants: An integrative review. <i>J Nurs Manag</i> . <b>2020</b> , 28(7), 1465-1472.	Excluded	P
16	Fischer, S.A.; Jones, J.; Verran, J.A. Consensus achievement of leadership, organisational and individual factors that influence safety climate: Implications for nursing management. <i>J Nurs Manag</i> . <b>2018</b> , 26(1), 50-58.	Excluded	I
17	Havyer, R.D.A.; Wingo, M.T.; Comfere, N.I.; Nelson, D.R.; Halvorsen, A.J.; McDonald, F.S.; Reed D.A. Teamwork assessment in internal medicine: A systematic review of validity evidence and outcomes. <i>J Gen Intern Med</i> . <b>2014</b> , 29(6), 894-910.	Excluded	I
18	Keen, J.; Abdulwahid, M.A.; King, N.; Wright, J.M.; Randell, R.; Gardner, P.; Waring, J.; Longo, R.; Nikolova, S.; Sloan C.; et al. Effects of interorganisational information technology networks on patient safety: A realist synthesis. <i>BMJ Open</i> . <b>2020</b> , 10(10), e036608.	Excluded	I
19	Li, R.; Zaidi, S.T.R.; Chen, T.; Castelino, R. Effectiveness of interventions to improve adverse drug reaction reporting by healthcare professionals over the last decade: A systematic review. <i>Pharmacoepidemiol Drug Saf</i> . <b>2020</b> , 29(1), 1-8.	Excluded	P, S
20	McCulloch, P.; Rathbone, J.; Catchpole, K. Interventions to improve teamwork and communications among healthcare staff. <i>Br J Surg</i> . <b>2011</b> , 98(4), 469-79.	Excluded	P, I
21	McDowell, D. S.; McComb, S. A. Safety checklist briefings: a systematic review of the literature. <i>AORN J</i> . <b>2014</b> , 99(1), 125-137.e13.	Excluded	P, S
22	Ock, M.; Lim, S.Y.; Jo, M.W.; Lee S.I. Frequency, Expected Effects, Obstacles, and Facilitators of Disclosure of Patient Safety Incidents: A Systematic Review. <i>J Prev Med Public Health</i> . <b>2017</b> , 50(2), 68-82..	Excluded	P, I, S
23	Richardson, A.; Storr, J. Patient safety: a literature [corrected] review on the impact of nursing empowerment, leadership and collaboration. <i>Int Nurs Rev</i> . <b>2010</b> , 57(1), 12-21.	Excluded	S
24	Rouleau, G.; Gagnon, M.P.; Côté, J.; Payne-Gagnon, J.; Hudson, E.; Dubois, C.A. Impacts of information and communication technologies on nursing care: Results of an overview of systematic reviews. <i>J Med Internet Res</i> . <b>2017</b> , 19(4), e122.	Excluded	I
25	Sarazine, J.; Heitschmidt, M.; Vondracek, H.; Sarris, S.; Marcinkowski, N.; Kleinpell, R. Mindfulness Workshops Effects on Nurses' Burnout, Stress, and Mindfulness Skills. <i>Holist Nurs Pract</i> . <b>2021</b> , 35(1), 10-18.	Excluded	S

26	Schmutz, J.; Manser, T. Do team processes really have an effect on clinical performance? A systematic literature review. <i>Br J Anaesth.</i> <b>2013</b> , <i>110</i> (4), 529-544.	Excluded	P
27	Squires, A.; Murali, K.P.; Greenberg S.A.; Herrmann, L.L.; D'amico, C.O. A Scoping Review of the Evidence About the Nurses Improving Care for Healthsystem Elders (NICHE) Program. <i>Gerontologist.</i> <b>2021</b> , <i>61</i> (3), e75-e84.	Excluded	I, S
28	Stavropoulou, C.; Doherty, C.; Tosey, P. How Effective Are Incident-Reporting Systems for Improving Patient Safety? A Systematic Literature Review. <i>Milbank Q.</i> <b>2015</b> , <i>93</i> (4), 826-866.	Excluded	S
29	Vaismoradi, M.; Tella, S.; Logan, A.; Khakurel, J.; Vizcaya-Moreno F. Nurses' Adherence to Patient Safety Principles: A Systematic Review. <i>Int J Environ Res Public Health.</i> <b>2020</b> , <i>17</i> (6), 2028.	Excluded	I
30	Zohar, D.; Werber, Y.; Marom, R.; Curlau, B.; Blondheim O. Modifying head nurse messages during daily conversations as leverage for safety climate improvement: A randomised field experiment. <i>BMJ Qual Saf.</i> <b>2017</b> , <i>26</i> (8), 653-662.	Excluded	S
31	Amer, F.; Hammoud, S.; Khatatbeh, H.; Lohner, S.; Boncz, I.; Endrei, D. The deployment of balanced scorecard in health care organizations: is it beneficial? A systematic review. <i>BMC Health Serv Res.</i> <b>2022</b> , <i>22</i> (1), 65.	Excluded	I, S
32	Berg, M.N.; Ngune, I.; Schofield, P.; Grech, L.; Juraskova I.; Strasser, M.; Butt, Z.; Halkett, G.K.B. Effectiveness of online communication skills training for cancer and palliative care health professionals: A systematic review. <i>Psychooncology.</i> <b>2021</b> , <i>30</i> (9), 1405-1419.	Excluded	P, S
33	Lee, M.; Lee, N.J.; Seo, H.J.; Jang, H.; Kim, S.M. Interventions to Engage Patients and Families in Patient Safety: A Systematic Review. <i>West J Nurs Res.</i> <b>2021</b> , <i>43</i> (10), 972-983.	Excluded	P, S
34	Lee, S.E.; Morse, B.L.; Kim, N.W. Patient safety educational interventions: A systematic review with recommendations for nurse educators. <i>Nurs Open.</i> <b>2022</b> , <i>9</i> (4), 1967-1979.	Excluded	P
35	O'Brien, N.; Shaw, A.; Flott, K.; Leatherman, S.; Durkin, M. Safety in fragile, conflict-affected, and vulnerable settings: An evidence scanning approach for identifying patient safety interventions. <i>J Glob Health.</i> <b>2022</b> , <i>12</i> , 04018.	Excluded	S
36	Serou, N.; Sahota, L.M.; Husband, A.K.; Forrest, S.P.; Slight, R.D.; Slight, S.P. Learning from safety incidents in high-reliability organizations: a systematic review of learning tools that could be adapted and used in healthcare. <i>Int J Qual Health Care.</i> <b>2021</b> , <i>33</i> (1), mzab046	Excluded	S
37	Woo, M.W.J.; Avery, M.J. Nurses' experiences in voluntary error reporting: An integrative literature review. <i>Int J Nurs Sci.</i> <b>2021</b> , <i>8</i> (4), 453-469.	Excluded	I

Reason for exclusion: I – inadequate intervention; P – inadequate population; S – inadequate methodology.

## AMSTAR2

The systematic reviews included in the analysis received the following ratings:

- high – Snowdon 2016, Alldred 2016, Weaver 2013;
- low – Kruse 2021, Bukoh 2020, McCarthy 2018, Burton 2017;
- critically low – Busireddy 2016, Hill 2016, Marasinghe 2015.

**Table S5.** AMSTAR 2 rating

Publication	Item 2	Item 4	Item 7	Item 9	Item 11	Item 13	Item 15	Overall rating
Kruse 2021 (SR)	Yes	Partial Yes	Partial Yes	Partial Yes	-	No	-	Low
Bukoh 2020 (MA)	Partial Yes	Yes	No	Yes	Yes	Yes	Yes	Low
McCarthy 2018 (SR)	Partial Yes	Yes	No	Yes	-	Yes	-	Low
Burton 2017 (MA)	Partial Yes	Yes	No	Partial Yes	Yes	Yes	Yes	Low
Busireddy 2016 (MA)	No	Yes	No	No	Yes	No	No	Critically Low
Hill 2016 (SR)	Partial Yes	Partial Yes	Partial Yes	No	-	No	-	Critically Low
Snowdon 2016 (MA)	Yes	Yes	Yes	Yes	Yes	Yes	Yes	High
Alldred 2016 (SR)	Yes	Yes	Yes	Yes	-	Yes	-	High
Marasinghe 2015 (SR)	No	Yes	No	No	-	No	-	Critically Low
Weaver 2013 (SR)	Partial Yes	Yes	Partial Yes	Yes	-	Yes	-	High

MA – meta-analysis; SR – systematic review

Critical domains: item 2 – protocol registered before commencement of the review; item 4 – adequacy of the literature search; item 7 – justification for excluding individual studies; item 9 – risk of bias from individual studies being included in the review; item 11 – appropriateness of meta-analytical methods; item 13 – consideration of risk of bias when interpreting the results of the review; item 15 – assessment of presence and likely impact of publication bias.