

Appendix 1. Search Strategy

Ovid-Medline		
No.	Search terms	Number of papers
1	Accidental Falls.mp. or Accidental Falls/	29,428
2	(falls or faller\$.tw.	51,512
3	1 or 2	63,440
4	Aged/	3,517,513
5	"Aged, 80 and over"/	1,042,183
6	(older or senior\$ or elderly).tw.	765,509
7	4 or 5 or 6	3,846,135
8	Long-Term Care.mp. or Long-Term Care/	42,705
9	Nursing Homes.mp. or Nursing Homes/	45,218
10	Residential Facilities.mp. or Residential Facilities/	6,442
11	institutionalization.mp. or Institutionalization/	9,086
12	8 or 9 or 10 or 11	91,192
13	Primary Prevention.mp. or Primary Prevention/	36,079
14	Health Promotion.mp. or Health Promotion/	103,209
15	Fall Prevention.mp.	3,339
16	Patient Safety.mp. or Patient Safety/	52,806
17	(prevention and control).mp.	1,595,002
18	preventive measure.mp.	2,765
19	13 or 14 or 15 or 16 or 17 or 18	1,720,559
20	Health Facility Environment.mp. or Health Facility Environment/	4,402
21	Patient Rooms.mp. or Patients' Rooms/	3,632
22	Built Environment.mp. or Built Environment/	5,254
23	Environment Design.mp. or Environment Design/	7,578
24	Evidence-based facility design.mp. or Evidence-Based Facility Design/	67
25	Universal Design.mp. or Universal Design/	630
26	(Facility Design and Construction).mp.	9,451
27	(Floors and Floorcoverings).mp.	2,304
28	Lighting.mp. or Lighting/	20,061
29	20 or 21 or 22 or 23 or 24 or 25 or 26 or 27 or 28	49,702
30	staff education.mp.	1,987
31	staff training.mp.	3,807
32	multicomponent.mp.	14,896
33	multi-component.mp.	6,213
34	30 or 31 or 32 or 33	26,478

35	Health Services Administration.mp. or Health Services Administration/	6,892
36	(Organization and Administration).mp.	543,540
37	Knowledge Management.mp. or Knowledge Management/	1,490
38	Safety Management.mp. or Safety Management/	22,885
39	Health Workforce.mp. or Health Workforce/	18,151
40	Organizational Culture.mp. or Organizational Culture/	20,415
41	Workload.mp. or Workload/	47,426
42	35 or 36 or 37 or 38 or 39 or 40 or 41	624,945
43	29 or 34 or 42	693,535
44	3 and 7 and 12 and 18 and 37	229
45	limit 44 to yr="2007 - 2024"	163
CINAHL		
No.	Search terms	Number of papers
1	AB ((Accidental Falls) or (Falls)) AND AB ((Aged) or ("Aged, 80 and over") or (older) or (senior) or (elderly)) AND AB ((Long-Term Care) or (Nursing Homes) or (Residential Facilities) or (Institutionalization)) AND AB ((Primary Prevention) or (Health Promotion) or (Fall Prevention) or (Patient Safety) or (preventive measure))	249
2	AB ((Health Facility Environment) or (Patient Rooms) or (Built Environment) or (Environment Design) or (Evidence-based facility design) or (Universal Design) or (Facility Design and Construction) or (Floors and Floorcoverings) or (Lighting))	10,991
3	AB ((staff education) or (staff training) or (multicomponent) or (multi-component))	17,391
4	AB ((Health Services Administration) or (Organization and Administration) or (Knowledge Management) or (Safety Management) or (Health Workforce) or (Organizational Culture) or (Workload))	36,267
5	#2 OR #3 OR #4	63,633
6	#1 AND #5	25
7	Publication year (2007 - 2024)	20
Embase		
No.	Search terms	Number of papers
1	Accidental Falls'/exp	53,368
2	(falls or faller):ab,ti	86,201
3	#1 OR #2	116,741
4	Aged'/exp	4,058,278
5	Aged, 80 and over'/exp	324,122
6	(older or senior or elderly):ab,ti	1,233,954
7	#4 OR #5 OR #6	4,632,739
8	Long-Term Care'/exp	2,512,256

9	Nursing Homes'/exp	67,224
10	Residential Facilities'/exp	8,495
11	Institutionalization'/exp	9,663
12	#8 OR #9 OR #10 OR #11	2,582,692
13	Primary Prevention'/exp	49,080
14	Health Promotion'/exp	121,598
15	Fall Prevention'/exp	19
16	Patient Safety'/exp	178,513
17	(preventive measure):ab,ti	4,448
18	#13 OR #14 OR #15 OR #16 OR #17	349,819
19	Health Facility Environment'/exp	2,192,713
20	Patient Rooms'/exp	1,275
21	Built Environment'/exp	2,400
22	Environment Design'/exp	21,323
23	Evidence-Based Facility Design'/exp	9,958
24	Universal Design'/exp	688
25	Facility Design and Construction'/exp	85,803
26	Floors and Floorcoverings'/exp	9,342
27	Lighting'/exp	42,998
28	#19 OR #20 OR #21 OR #22 OR #23 OR #24 OR #25 OR #26 OR #27	2,326,475
29	staff education'/exp	17,081
30	staff training'/exp	17,081
31	multicomponent'/exp	36,930
32	multi-component'/exp	11,587
33	#29 OR #30 OR #31 OR #32	54,273
34	Health Services Administration'/exp	7,604,067
35	Organization and Administration'/exp	2,703,312
36	Knowledge Management'/exp	2,324
37	Safety Management'/exp	1,224,971
38	Health Workforce'/exp	15,819
39	Organizational Culture'/exp	4,991
40	Workload'/exp	57,706
41	#34 OR #35 OR #36 OR #37 OR #38 OR #39 OR #40	9,624,852
42	#28 OR #33 OR #41	10,439,388
43	#3 AND #7 AND #12 AND #18 AND #42	286
44	#3 AND #7 AND #12 AND #18 AND #42 AND [embase]/lim AND [2007-2024]/py	220