Table S1. Search strategy in PubMed in April 2022

Search no.	Query	Results
1	(("inappropriate"[All Fields] OR "inappropriately"[All Fields] OR "inappropriateness"[All Fields]) AND "drug"[All Fields]) OR (("potential"[All Fields] OR "potential s"[All Fields] OR "potentialities"[All Fields] OR "potentiality"[All Fields] OR "potentially"[All Fields] OR "potentials"[All Fields] OR "potentiate"[All Fields] OR "potentiated"[All Fields] OR "potentiates"[All Fields] OR "potentiating"[All Fields] OR "potentiation"[All Fields] OR "potentiations"[All Fields] OR "potentiative"[All Fields] OR "potentiatOR"[All Fields] OR "potentiatORs"[All Fields]) AND ("inappropriate"[All Fields] OR "inappropriately"[All Fields] OR "inappropriateness"[All Fields]) AND ("drug s"[All Fields] OR "pharmaceutical preparations"[MeSH Terms] OR ("pharmaceutical"[All Fields] AND "preparations"[All Fields]) OR "pharmaceutical preparations"[All Fields] OR "drugs"[All Fields])) OR ("inappropriate prescribing"[MeSH Terms] OR ("inappropriate"[All Fields] AND "prescribing"[All Fields]) OR "inappropriate prescribing"[All Fields] OR ("inappropriate"[All Fields] AND "prescription"[All Fields]) OR "inappropriate prescription"[All Fields]) OR (("inappropriate"[All Fields] OR "inappropriately"[All Fields] OR "inappropriateness"[All Fields]) AND ("applicabilities"[All Fields] OR "applicability"[All Fields] OR "application"[All Fields] OR "applications"[All Fields] OR "applicative"[All Fields])) OR (("prescribability"[All Fields] OR "prescribable"[All Fields] OR "prescribe"[All Fields] OR "prescribed"[All Fields] OR "prescriber"[All Fields] OR "prescriber s"[All Fields] OR "prescribers"[All Fields] OR "prescribes"[All Fields] OR "prescribing"[All Fields]) AND ("omission"[All Fields] OR "omissions"[All Fields])) OR (("inappropriate"[All Fields] OR "inappropriately"[All Fields] OR "inappropriateness"[All Fields]) AND ("medic"[All Fields] OR "medical"[All Fields] OR "medicalization"[MeSH Terms] OR "medicalization"[All Fields] OR "medicalizations"[All Fields] OR "medicalize"[All Fields] OR "medicalized"[All Fields] OR "medicalizes"[All Fields] OR "medicalizing"[All Fields] OR "medically"[All Fields] OR "medicals"[All Fields] OR "medicated"[All Fields] OR "medication s"[All Fields] OR "medics"[All Fields] OR "pharmaceutical preparations"[MeSH Terms] OR ("pharmaceutical"[All Fields] AND "preparations"[All Fields]) OR "pharmaceutical preparations"[All Fields] OR "medication"[All Fields] OR "medications"[All Fields])) OR ("inappropriate prescribing"[MeSH Terms] OR ("inappropriate"[All Fields] AND "prescribing"[All Fields]) OR "inappropriate prescribing"[All Fields]) OR (("potential"[All Fields] OR "potential s"[All Fields] OR "potentialities"[All Fields] OR "potentiality"[All Fields] OR "potentially"[All Fields] OR "potentials"[All Fields] OR "potentiate"[All Fields] OR "potentiated"[All Fields] OR "potentiates"[All Fields] OR "potentiating"[All Fields] OR "potentiation"[All Fields] OR "potentiations"[All Fields] OR "potentiative"[All Fields] OR "potentiatOR"[All Fields] OR "potentiatORs"[All Fields]) AND ("prescribability"[All Fields] OR "prescribable"[All Fields] OR "prescribe"[All Fields] OR "prescribed"[All Fields] OR "prescriber"[All Fields] OR "prescriber s"[All Fields] OR "prescribers"[All Fields] OR "prescribes"[All Fields] OR "prescribing"[All Fields]) AND ("omission"[All Fields] OR "omissions"[All Fields])) OR ("potentially inappropriate medication list"[MeSH Terms] OR ("potentially"[All Fields] AND "inappropriate"[All Fields] AND "medication"[All Fields] AND "list"[All Fields]) OR "potentially inappropriate medication list"[All Fields] OR ("potentially"[All Fields] AND "inappropriate"[All Fields] AND "medication"[All Fields]) OR "potentially inappropriate medication"[All Fields])	45,826
2	"independent living"[MeSH Terms] OR ("independent"[All Fields] AND "living"[All Fields]) OR "independent living"[All Fields] OR ("community"[All Fields] AND "dwelling"[All Fields]) OR "community dwelling"[All Fields] OR ("ambulatORies"[All Fields] OR "ambulatORy care facilities"[MeSH Terms] OR ("ambulatORy"[All Fields] AND "care"[All Fields] AND "facilities"[All Fields]) OR "ambulatORy care facilities"[All Fields] OR "ambulatORy"[All Fields]) OR ("ambulatORy care facilities"[MeSH Terms] OR ("ambulatORy"[All Fields] AND "care"[All Fields] AND "facilities"[All Fields]) OR "ambulatORy care facilities"[All Fields] OR "clinic"[All Fields] OR "clinic s"[All Fields] OR "clinical"[All Fields] OR "clinically"[All Fields] OR "clinicals"[All Fields] OR "clinics"[All Fields]) OR ("primary health care"[MeSH Terms] OR ("primary"[All Fields] AND "health"[All Fields] AND "care"[All Fields]) OR "primary health care"[All Fields] OR ("primary"[All Fields] AND "care"[All Fields]) OR "primary care"[All Fields])	6,520,355
3	#1 AND #2	22,282
4	"aged"[MeSH Terms] OR "aged"[All Fields] OR "elderly"[All Fields] OR "elderlies"[All Fields] OR "elderly s"[All Fields] OR "elderlys"[All Fields] OR ("aged"[MeSH Terms] OR "aged"[All Fields] OR ("older"[All Fields] AND "adults"[All Fields]) OR "older adults"[All Fields]) OR (("older"[All Fields] OR "olders"[All Fields]) AND ("people s"[All Fields] OR "peopled"[All Fields] OR "peopling"[All Fields] OR "persons"[MeSH Terms] OR "persons"[All Fields] OR "people"[All Fields] OR "peoples"[All Fields])) OR ("old"[All Fields] AND ("people s"[All Fields] OR "peopled"[All Fields] OR "peopling"[All Fields] OR "persons"[MeSH Terms] OR "persons"[All Fields] OR "people"[All Fields] OR "peoples"[All Fields])) OR ("aged"[MeSH Terms] OR "aged"[All Fields])	6,235,118
5	#3 AND #4	9,242
6	"epidemiology"[MeSH Subheading] OR "epidemiology"[All Fields] OR "prevalence"[All Fields] OR "prevalence"[MeSH Terms] OR "prevalance"[All Fields] OR "prevalences"[All Fields] OR "prevalence s"[All Fields] OR "prevalent"[All Fields] OR "prevalently"[All Fields] OR "prevalents"[All Fields] OR "epidemiology"[MeSH Subheading] OR "epidemiology"[All Fields] OR "incidence"[All Fields] OR "incidence"[MeSH Terms] OR "incidences"[All Fields] OR "incident"[All Fields] OR "incidents"[All Fields] OR "percentage"[All Fields] OR "percentages"[All Fields] OR "j rehabil assist technol eng"[Journal] OR "rate"[All Fields] OR "rates"[All Fields]	6,396,190
7	#5 AND #6	5,049
8	#7 Filter:Systematic Review	112
9	#7 Filter:in the last 5 years	2,073

Table S2. Search strategy in Web of Science in April 2022

Set	Results	Save history/create AlertOpen saved history
# 1	68	TOPIC: (TITLE: (inappropriate prescribing) OR TITLE: (inappropriate medication) OR TITLE: (prescribing omission) OR TITLE: (prescribing omission*) OR TITLE: (inappropriate prescription) OR TITLE: (inappropriate drugs) OR TITLE: (inappropriate drug)) *Indexes=SCI-EXPANDED, SSCI, A&HCI, CPCI-S, CPCI-SSH, BKCI-S, BKCI-SSH, ESCI Timespan=All years*
# 2	6,163	TOPIC: (TITLE: (elderly) OR TITLE: (older adults) OR TITLE: (older people) OR TITLE: (old people) OR TITLE: (aged) OR TITLE: (geriatric)) *Indexes=SCI-EXPANDED, SSCI, A&HCI, CPCI-S, CPCI-SSH, BKCI-S, BKCI-SSH, ESCI Timespan=All years*
# 3	319	TITLE: ((inappropriate prescribing) OR (inappropriate medication) OR (prescribing omission) OR (prescribing omission*) OR: (inappropriate prescription) OR (inappropriate drugs) OR (inappropriate drug)) *AND* TOPIC: ((elderly) OR (older adults) OR (older people) OR (old people) OR (aged) OR (geriatric)) *AND* TOPIC: ((prevalence) OR (incidence) OR (percentage) OR (rate) OR (rates)) *AND* TOPIC: ((community-dwelling) OR (ambulatory) OR (clinics) OR (clinic) OR (primary care)) *Indexes=SCI-EXPANDED, SSCI, A&HCI, CPCI-S, CPCI-SSH, BKCI-S, BKCI-SSH, ESCI Timespan=All years*
# 4	27	TITLE: ((inappropriate prescribing) OR (inappropriate medication) OR (prescribing omission) OR (prescribing omission*) OR : (inappropriate prescription) OR (inappropriate drugs) OR (inappropriate drug)) *AND* TOPIC: ((elderly) OR (older adults) OR (older people) OR (old people) OR (aged) OR (geriatric)) *AND* TOPIC: ((prevalence) OR (incidence) OR (percentage) OR (rate) OR (rates)) *AND* TOPIC: ((community-dwelling) OR (ambulatory) OR (clinics) OR (clinic) OR (primary care)) *AND* TOPIC: ((Systematic review) OR meta-analysis OR metaanalysis) *Indexes=SCI-EXPANDED, SSCI, A&HCI, CPCI-S, CPCI-SSH, BKCI-S, BKCI-SSH, ESCI Timespan=All years*
# 5	15	TITLE: ((inappropriate prescribing) OR (inappropriate medication) OR (prescribing omission) OR (prescribing omission*) OR : (inappropriate prescription) OR (inappropriate drugs) OR (inappropriate drug)) *AND* TOPIC: ((elderly) OR (older adults) OR (older people) OR (old people) OR (aged) OR (geriatric)) *AND* TOPIC: ((prevalence) OR (incidence) OR (percentage) OR (rate) OR (rates)) *AND* TOPIC: ((community-dwelling) OR (ambulatory) OR (clinics) OR (clinic) OR (primary care)) *AND* TITLE: ((Systematic review) OR meta-analysis OR metaanalysis) *Indexes=SCI-EXPANDED, SSCI, A&HCI, CPCI-S, CPCI-SSH, BKCI-S, BKCI-SSH, ESCI Timespan=All years*

Table S3. Search strategy in Embase in April 2022

No.	Query results	Results
#45.	#38 AND #44	61
#44.	#39 OR #40 OR #41 OR #42 OR #43	521,972
#43.	'metaanalysis':ab,ti	242,293
#42.	'meta analysis'/exp	232,072
#41.	'meta-analysis':ti,ab	241,398
#40.	'systematic review':ti,ab	252,082
#39.	'systematic review'/exp	324,938
#38.	#30 AND #37	1,477
#37.	#31 OR #32 OR #33 OR #34 OR #35 OR #36	7,303,934
#36.	primary AND care:ab,ti	423,384
#35.	'primary medical care'/exp	115,886
#34.	'clinics'/exp	289
#33.	'clinic*':ab,ti	6,950,133
#32.	ambulatory':ab,ti	123,598
#31.	community dwelling':ab,ti	34,415
#30.	#22 AND #29	2,508
#29.	#23 OR #24 OR #25 OR #26 OR #27 OR #28	6,676,562
#28.	rate*:ab,ti	4,391,906
#27.	percentage:ab,ti	621,624
#26.	incidence'/exp	572,703
#25.	incidence':ti,ab	1,255,261
#24.	prevalence':ti,ab	1,002,691
#23.	prevalence'/exp	862,354
#22.	#11 AND #21	4,888
#21.	#12 OR #13 OR #14 OR #15 OR #16 OR #17 OR #18 OR #19 OR #20	4,089,764
#20.	'geriatric'/exp	91
#19.	geriatric':ti,ab	73,842
#18.	'old* people':ti,ab	48,386
#17.	'older people':ti,ab	40,853
#16.	'older people'/exp	62
#15.	older adults':ab,ti	115,478
#14.	older adults'/exp	88
#13.	'aged':ab,ti	919,222
#12.	aged'/exp	3,430,230
#10.	'inappropriate drug*':ti,ab	1,131
#9.	'inappropriate drug use'/exp	12
#8.	'inappropriate prescription*':ti,ab	1,382
#7.	'inappropriate prescribing'/exp	6,803
#6.	'prescribing omission*':ab,ti	190
#5.	'prescribing omission':ab,ti	48
#4.	'prescribing omission':ab,ti	48
#3.	'inappropriate medication':ab,ti	1,724
#2.	inappropriate prescribing':ab,ti	2,165
#1.	inappropriate AND prescribing:ab,ti	7,195

Table S4. Search strategy in Scopus in April 2022

History count	Search terms	Results
1	(TITLE-ABS-KEY (inappropriate AND prescribing) OR TITLE-ABS-KEY (inappropriate AND medication*) OR TITLE-ABS-KEY (potentially AND prescribing AND omission) OR TITLE-ABS-KEY (prescribing AND omission*) OR TITLE-ABS-KEY (inappropriate AND use) OR TITLE-ABS-KEY (inappropriate AND prescription) OR TITLE-ABS-KEY (inappropriate AND drugs) OR TITLE-ABS-KEY (inappropriate AND drug)) AND (TITLE-ABS-KEY (elderly) OR TITLE-ABS-KEY (older AND adults) OR TITLE-ABS-KEY (older AND people) OR TITLE-ABS-KEY (old AND people) OR TITLE-ABS-KEY (aged) OR TITLE-ABS-KEY (geriatric))	25,452 document results
2	TITLE-ABS-KEY (prevalence) OR TITLE-ABS-KEY (incidence) OR TITLE-ABS-KEY (percentage) OR TITLE-ABS-KEY (rate) OR TITLE-ABS-KEY (rates)	10,009,087 document results
3	((TITLE-ABS-KEY (inappropriate AND prescribing) OR TITLE-ABS-KEY (inappropriate AND medication*) OR TITLE-ABS-KEY (potentially AND prescribing AND omission) OR TITLE-ABS-KEY (prescribing AND omission*) OR TITLE-ABS-KEY (inappropriate AND use) OR TITLE-ABS-KEY (inappropriate AND prescription) OR TITLE-ABS-KEY (inappropriate AND drugs) OR TITLE-ABS-KEY (inappropriate AND drug)) AND (TITLE-ABS-KEY (elderly) OR TITLE-ABS-KEY (older AND adults) OR TITLE-ABS-KEY (older AND people) OR TITLE-ABS-KEY (old AND people) OR TITLE-ABS-KEY (aged) OR TITLE-ABS-KEY (geriatric))) AND (TITLE-ABS-KEY (prevalence) OR TITLE-ABS-KEY (incidence) OR TITLE-ABS-KEY (percentage) OR TITLE-ABS-KEY (rate) OR TITLE-ABS-KEY (rates)) View Less	9,535 document results
4	TITLE-ABS-KEY (community-dwelling) OR TITLE-ABS-KEY (ambulatory) OR TITLE-ABS-KEY (clinics) OR TITLE-ABS-KEY (primary AND care)	1,065,202 document results
5	(((TITLE-ABS-KEY (inappropriate AND prescribing) OR TITLE-ABS-KEY (inappropriate AND medication*) OR TITLE-ABS-KEY (potentially AND prescribing AND omission) OR TITLE-ABS-KEY (prescribing AND omission*) OR TITLE-ABS-KEY (inappropriate AND use) OR TITLE-ABS-KEY (inappropriate AND prescription) OR TITLE-ABS-KEY (inappropriate AND drugs) OR TITLE-ABS-KEY (inappropriate AND drug)) AND (TITLE-ABS-KEY (elderly) OR TITLE-ABS-KEY (older AND adults) OR TITLE-ABS-KEY (older AND people) OR TITLE-ABS-KEY (old AND people) OR TITLE-ABS-KEY (aged) OR TITLE-ABS-KEY (geriatric))) AND (TITLE-ABS-KEY (prevalence) OR TITLE-ABS-KEY (incidence) OR TITLE-ABS-KEY (percentage) OR TITLE-ABS-KEY (rate) OR TITLE-ABS-KEY (rates))) AND (TITLE-ABS-KEY (community-dwelling) OR TITLE-ABS-KEY (ambulatory) OR TITLE-ABS-KEY (clinics) OR TITLE-ABS-KEY (primary AND care)) View Less	1,941 document results
6	TITLE-ABS-KEY (systematic AND review) OR TITLE-ABS-KEY (meta-analysis)	601,198 document results
7	((((TITLE-ABS-KEY (inappropriate AND prescribing) OR TITLE-ABS-KEY (inappropriate AND medication*) OR TITLE-ABS-KEY (potentially AND prescribing AND omission) OR TITLE-ABS-KEY (prescribing AND omission*) OR TITLE-ABS-KEY (inappropriate AND use) OR TITLE-ABS-KEY (inappropriate AND prescription) OR TITLE-ABS-KEY (inappropriate AND drugs) OR TITLE-ABS-KEY (inappropriate AND drug)) AND (TITLE-ABS-KEY (elderly) OR TITLE-ABS-KEY (older AND adults) OR TITLE-ABS-KEY (older AND people) OR TITLE-ABS-KEY (old AND people) OR TITLE-ABS-KEY (aged) OR TITLE-ABS-KEY (geriatric))) AND (TITLE-ABS-KEY (prevalence) OR TITLE-ABS-KEY (incidence) OR TITLE-ABS-KEY (percentage) OR TITLE-ABS-KEY (rate) OR TITLE-ABS-KEY (rates))) AND (TITLE-ABS-KEY (community-dwelling) OR TITLE-ABS-KEY (ambulatory) OR TITLE-ABS-KEY (clinics) OR TITLE-ABS-KEY (primary AND care))) AND (TITLE-ABS-KEY (systematic AND review) OR TITLE-ABS-KEY (meta-analysis)) View Less	77 document results

Table S5. Search strategy in CINAHL in April 2022

#	Query	Limiters/expanders	Last Run Via	Results
S2	AB ((inappropriate prescribing) OR (inappropriate medication) OR (prescribing omission) OR (prescribing omission*) OR (inappropriate prescription) OR (inappropriate drugs) OR (inappropriate drug)) AND AB ((elderly) OR (older adults) OR (older people) OR (old people) OR (aged) OR (geriatric)) AND AB ((prevalence) OR (incidence) OR (percentage) OR (rate) OR (rates)) AND AB ((community-dwelling) OR (ambulatory) OR (clinics) OR (clinic) OR (primary care)) AND ("Systematic review" OR meta-analysis OR metaanalysis)	- Expanders: apply equivalent subjects - Search modes: find all my search terms	- Interface: EBSCOhost Research Databases - Search screen: Advanced Search - Database: CINAHL	13
S1	AB ((inappropriate prescribing) OR (inappropriate medication) OR (prescribing omission) OR (prescribing omission*) OR (inappropriate prescription) OR (inappropriate drugs) OR (inappropriate drug)) AND AB ((elderly) OR (older adults) OR (older people) OR (old people) OR (aged) OR (geriatric)) AND AB ((prevalence) OR (incidence) OR (percentage) OR (rate) OR (rates)) AND AB ((community-dwelling) OR (ambulatory) OR (clinics) OR (clinic) OR (primary care))	- Expanders: apply equivalent subjects - Search modes: find all my search terms	- Interface: EBSCOhost Research Databases - Search screen: Advanced Search - Database: CINAHL	253