

Prevalence of and Risk Factors for Drug-Related Readmissions in Older Adults: A Systematic Review and Meta-Analysis

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Supplementary Table 1

Search strategy for Medline

Concept 1: medication related	“Drug related side effects and adverse reactions”/ OR “adverse drug event*”.mp OR “adverse drug reaction*”.mp OR “side effect*”.mp OR Medication Errors/ OR “adverse drug outcome*”.mp OR “medication related”.mp OR “drug related”.mp OR “drug induced problem*”.mp OR “drug therapy problem*”.mp
Concept 2: hospital readmission	Readmission*.mp OR Patient readmission/ OR rehospitali?*.mp OR (hospital* adj2 readmission*).mp
Concept 3: older adults	Aged/ Or elder*.mp OR older.mp OR Geriatrics/ OR senior.mp

Supplementary Table 2

Search strategy for Embase

Concept 1: medication related	adverse drug reaction/ OR “adverse drug event*”.mp OR “side effect*”.mp OR medication error/ OR “adverse drug outcome*”.mp OR “medication related”.mp OR “drug related”.mp OR “drug therapy problem*”.mp
Concept 2: hospital readmission	Hospital readmission/ OR readmission*.mp OR rehospitali?*.mp OR (hospital* adj2 readmission*).mp

Concept 3: older adults	aged/ OR elder*.mp OR senior.mp OR aged hospital patient/.mp OR geriatric patient/ OR older.mp
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Supplementary Table 3

Search strategy for CINAHL

Concept 1: medication related	(MH Adverse Drug Event+) OR side effect* OR (MH Medication Error+) OR adverse drug reaction* OR medication related OR drug related OR drug induced problem OR drug therapy problem
Concept 2: hospital readmission	(MH Readmission*) OR rehospitali?* OR hospital readmission* OR patient readmission*
Concept 3: older adults	(MH Aged+) OR elder* OR older OR geriatric OR senior

Supplementary Table 4

Search strategy for Scopus

Concept 1: medication related	“Hospital readmission*” OR readmission* OR rehospitali?* OR “patient readmission*” OR (hospital* adj2 readmission*)
Concept 2: hospital readmission	“Adverse drug reaction*” OR “adverse drug event*” OR “side effect*” OR “medication error*” OR “adverse drug outcome*” OR “medication

	related” OR “drug related” OR “drug induced problem*” OR “medication induced problem*” OR ‘drug therapy problem*”
Concept 3: older adults	aged OR elder* OR senior OR geriatric* OR older

Supplementary Table 5: Quality assessment performed using the Joanna Briggs Institute (JBI) checklist for prevalence studies

Author, year	Was the sample frame appropriate to address the target population?	Were study participants sampled in an appropriate way?	Was the sample size adequate?	Were the study subjects and the setting described in detail?	Was the data analysis conducted with sufficient coverage of the identified sample?	Were valid methods used for the identification of the condition?	Was the condition measured in a standard, reliable way for all participants?	Was there appropriate statistical analysis?	Was the response rate adequate, and if not, was the low response rate managed appropriately?
Ekerstad et al, 2017	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No
Hauviller et al, 2016	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Kempen et al, 2022	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Parekh et al, 2018	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes

