Appendix 1: search strategy

The strategies for searching PubMed, Embase, Cochrane Library, and Web of Science.

PubMed (Aug 10, 2023)

Search	Query	Items found
#1	"Idiopathic Pulmonary Fibrosis"[MeSH Terms]	8,206
#2	"Idiopathic Pulmonary Fibrosis"[Title/Abstract] OR "IPF"[Title/Abstract]	13,543
#3	#1 OR #2	15,594
#4	"mortality"[MeSH Terms]	424,799
#5	"mortality"[Title/Abstract] OR "mors*"[Title/Abstract] OR "mortalit*"[Title/Abstract] OR "died"[Title/Abstract] OR "die"[Title/Abstract] OR "dying"[Title/Abstract] OR "death"[Title/Abstract] OR "fatal*"[Title/Abstract] OR "decease*"[Title/Abstract] OR "in-hospital death"[Title/Abstract] OR "inhospital death"[Title/Abstract]	2,999,378
#6	#4 OR #5	3,112,899
#7	"Risk Factors"[MeSH Terms]	968,764
#8	"Risk Factors"[Title/Abstract] OR "risk factor*"[Title/Abstract] OR "influencing factor*"[Title/Abstract] OR "influence factor*"[Title/Abstract] OR "affecting factor*"[Title/Abstract] OR "relevant factor*"[Title/Abstract] OR "correlative factor*"[Title/Abstract] OR "associated factor*"[Title/Abstract] OR "Predicting factor*"[Title/Abstract] OR "related factor*"[Title/Abstract]	905,009
#9	#7 OR #8	1,505,749
#10	#3 AND #6 AND #9	652

MeSH, Medical Subject Headings.

Embase (Aug 10, 2023)

Search	Query	Items found
#1	'mortality'/exp	1,420,313
#2	'mortality':ab,ti OR 'mors*':ab,ti OR 'mortalit*':ab,ti OR 'died':ab,ti OR 'die':ab,ti OR 'dying':ab,ti OR 'death':ab,ti OR 'fatal*':ab,ti OR 'decease*':ab,ti OR 'in-hospital death':ab,ti OR 'inhospital death':ab,ti	4,268,037
#3	#1 OR #2	4,593,448
#4	'idiopathic pulmonary fibrosis':ab,ti OR 'ipf':ab,ti	24,144
#5	'Risk Factors':ab,ti OR 'risk factor*':ab,ti OR 'influencing factor*':ab,ti OR 'influence factor*':ab,ti OR 'affecting factor*':ab,ti OR 'relevant factor*':ab,ti OR 'correlative factor*':ab,ti OR 'associated factor*':ab,ti OR 'Predicting factor*':ab,ti OR 'related factor*':ab,ti	1,283,912
#6	#3 AND #4 AND #5	728

Cochrane Library (Aug 10, 2023)

Search	Query	Items found
#1	MeSH descriptor: [Idiopathic Pulmonary Fibrosis] explode all trees	492
#2	("idiopathic pulmonary fibrosis"):ti,ab,kw OR ("IPF"):ti,ab,kw	1,761
#3	#1 OR #2	1,772
#4	MeSH descriptor: [Mortality] explode all trees	21,880
#5	(mortality):ti,ab,kw OR (mors*):ti,ab,kw OR (mortalit*):ti,ab,kw OR (died):ti,ab,kw OR (die):ti,ab,kw OR (dying):ti,ab,kw OR (death):ti,ab,kw OR (fatal*):ti,ab,kw OR (decease*):ti,ab,kw OR (in-hospital death):ti,ab,kw OR (inhospital death):ti,ab,kw	260,540
#6	#4 OR #5	269,667
#7	MeSH descriptor: [Risk Factors] explode all trees	33,162
#8	(Risk Factors):ti,ab,kw OR (risk factor*):ti,ab,kw OR (influencing factor*):ti,ab,kw OR (influence factor*):ti,ab,kw OR (affecting factor*):ti,ab,kw OR (relevant factor*):ti,ab,kw OR (correlative factor*):ti,ab,kw OR (associated factor*):ti,ab,kw OR (Predicting factor*):ti,ab,kw OR (related factor*):ti,ab,kw	197,275
#9	#7 OR #8	228,133
#10	#3 AND #6 AND #9	116

MeSH, Medical Subject Headings; IPF, idiopathic pulmonary fibrosis.

Web of Science Core Collection (Aug 10, 2023)

Search	Query	Items found
#1	Topic: (IPF) OR Topic: (Idiopathic Pulmonary Fibrosis)	20,391
#2	Topic: (mortality) OR Topic: (mors*) OR Topic: (mortalit*) OR Topic: (died) OR Topic: (die) OR Topic: (dying) OR Topic: (death) OR Topic: (fatal*) OR Topic: (decease*) OR Topic: (in-hospital death) OR Topic: (inhospital death)	3,498,395
#3	Topic:(Risk Factors) OR Topic:(risk factor*) OR Topic:(influencing factor*) OR Topic:(influence factor*) OR Topic: (affecting factor*) OR Topic:(relevant factor*) OR Topic:(correlative factor*) OR Topic:(associated factor*) OR Topic:(Predicting factor*) OR Topic:(related factor*)	3,569,289
#4	#1 AND #2 AND #3	1,631

Appendix 2: NOS for cohort study quality

Study	Selection				Comparability	Outcome			Scores
	Representativeness of the exposed cohort	Selection of the non-exposed cohort	Ascertainment of exposure	Demonstration that outcome of interest was not present at start of study	Comparability of cohorts on the basis of the design or analysis controlled for confounders	Assessment of outcome	Was follow-up long enough for outcomes to occur	Adequacy of follow-up of cohorts	
Biondini *et al.*, 2021 (9)	1	1	1	1	2	1	1	1	9
Caminati *et al.*, 2009 (10)	1	1	1	1	2	1	1	1	9
Furukawa *et al.*, 2017 (11)	1	1	1	1	2	1	1	1	9
Ghang *et al.*, 2019 (6)	1	1	1	1	2	1	1	1	9
Hachisu *et al.*, 2019 (12)	1	1	1	1	2	1	1	1	9
Hyldgaard *et al.*, 2020 (13)	1	1	1	1	2	1	1	1	9
Kim *et al.*, 2022 (14)	1	1	1	1	2	1	1	1	9
Lai *et al.*, 2019 (15)	1	1	1	1	2	1	1	1	9
Lee *et al.*, 2023 (7)	1	1	1	1	2	1	1	1	9
Loeh *et al.*, 2019 (16)	1	1	1	1	2	1	1	1	9
Mochizuka *et al.*, 2023 (5)	1	1	1	1	2	1	1	1	9
Moon *et al.*, 2019 (17)	1	1	1	1	2	1	1	1	9
Nakano *et al.*, 2020 (18)	1	1	1	1	2	1	0	1	8
Oda *et al.*, 2018 (19)	1	1	1	1	2	1	1	1	9
Sonaglioni *et al.*, 2023 (20)	1	1	1	1	2	1	1	1	9
Suzuki *et al.*, 2021 (4)	1	1	1	1	2	1	0	1	8
Tseng *et al.*, 2022 (21)	1	1	1	1	2	1	1	1	9
Yoon *et al.*, 2021 (22)	1	1	1	1	2	1	1	1	9

NOS, Newcastle-Ottawa Scale.