

● **Supplementary table:**

Search strategy

Source	#	Search strategy
EMBASE 1980 to 2022 (Ovid SP)	1	exp dementia/
	2	dement*.ti,ab.
	3	"major neurocognitive disorder".ti,ab.
	4	exp Alzheimer Disease/
	5	Alzheimer*.ti,ab.
	6	(Alzheimer* adj2 dement*).ti,ab.
	7	AD.ti,ab.
	8	(Parkinson* adj2 dementia).ti,ab.
	9	(lewy* adj2 bod*).ti,ab.
	10	"frontotemporal lobe degeneration".ti,ab.
	11	exp Frontotemporal Lobar Degeneration/
	12	FTD.ti,ab.
	13	FTLD.ti,ab.
	14	"Pick* disease".ti,ab.
	15	(Pick* adj2 disease).ti,ab.
	16	"vascular dementia".ti,ab.
	17	VAD.ti,ab.
	18	"multi-infarct".ti,ab.
	19	"mixed dementia".ti,ab.
	20	exp AIDS Dementia Complex/
	21	exp Dementia, Vascular/
	22	exp Lewy Body Disease/
	23	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 or 19 or 20 or 21 or 22
	24	Routinely Collected Health Data/
	25	(Claim* adj2 data).ti,ab.
	26	(Insurance adj2 claim*).ti,ab.

27	(Insurance adj2 data).ti,ab.
28	(Insurance adj2 reimburse).ti,ab.
29	"administrati* data*".ti,ab.
30	"administrati* health* database*".ti,ab.
31	"Health* data source*".ti,ab.
32	(health* adj3 administrati* adj3 data*).ti,ab.
33	"electr* health* record*".ti,ab.
34	"govern* administrati*".ti,ab.
35	"National Health Insurance Research Database".ti,ab.
36	NHIRD.ti,ab.
37	"national health insurance".ti,ab.
38	"health insurance".ti,ab.
39	"national health program*".ti,ab.
40	"national health service*".ti,ab.
41	NHI.ti,ab.
42	"national data*".ti,ab.
43	nationwide.ti,ab.
44	"insurance, national health".ti,ab.
45	("population-base*" or "population* base*").ti,ab.
46	"Taiwan* longitudinal stud*".ti,ab.
47	("follow-up stud*" or "follow* up stud*").ti,ab.
48	retrospective.ti,ab.
49	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 or 41 or 42 or 43 or 44 or 45 or 46 or 47 or 48
50	Taiwan*.ti,ab.
51	23 and 49 and 50
52	limit 51 to yr="2000 -Current"

Source	#	Search strategy
MEDLINE 1946 to 2022 (Ovid)	1	exp dementia/
	2	dement*.ti,ab.
	3	"major neurocognitive disorder".ti,ab.
	4	exp Alzheimer Disease/
	5	Alzheimer*.ti,ab.
	6	(Alzheimer* adj2 dement*).ti,ab.
	7	AD.ti,ab.
	8	(Parkinson* adj2 dementia).ti,ab.
	9	(lewy* adj2 bod*).ti,ab.
	10	"frontotemporal lobe degeneration".ti,ab.
	11	exp Frontotemporal Lobar Degeneration/
	12	FTD.ti,ab.
	13	FTLD.ti,ab.
	14	"Pick* disease".ti,ab.
	15	(Pick* adj2 disease).ti,ab.
	16	"vascular dementia".ti,ab.
	17	VAD.ti,ab.
	18	"multi-infarct".ti,ab.
	19	"mixed dementia".ti,ab.
	20	exp AIDS Dementia Complex/
	21	exp Dementia, Vascular/
	22	exp Lewy Body Disease/
	23	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 or 19 or 20 or 21 or 22
	24	Routinely Collected Health Data/
	25	(Claim* adj2 data).ti,ab.
	26	(Insurance adj2 claim*).ti,ab.
	27	(Insurance adj2 data).ti,ab.

28	(Insurance adj2 reimburse).ti,ab.
29	"administrati* data*".ti,ab.
30	"administrati* health* database*".ti,ab.
31	"Health* data source*".ti,ab.
32	(health* adj3 administrati* adj3 data*).ti,ab.
33	"electr* health* record*".ti,ab.
34	"govern* administrati*".ti,ab.
35	"National Health Insurance Research Database".ti,ab.
36	NHIRD.ti,ab.
37	"national health insurance".ti,ab.
38	"health insurance".ti,ab.
39	"national health program*".ti,ab.
40	"national health service*".ti,ab.
41	NHI.ti,ab.
42	"national data*".ti,ab.
43	nationwide.ti,ab.
44	"insurance, national health".ti,ab.
45	("population-base*" or "population* base*").ti,ab.
46	"Taiwan* longitudinal stud*".ti,ab.
47	("follow-up stud*" or "follow* up stud*").ti,ab.
48	retrospective.ti,ab.
49	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 or 41 or 42 or 43 or 44 or 45 or 46 or 47 or 48
50	Taiwan*.ti,ab.
51	23 and 49 and 50
52	limit 51 to yr="2000 -Current"

Source	#	Search strategy
APA PsycInfo 1806 to 2022 (Ovid)	1	exp dementia/
	2	dement*.ti,ab.
	3	"major neurocognitive disorder".ti,ab.
	4	exp Alzheimer Disease/
	5	Alzheimer*.ti,ab.
	6	(Alzheimer* adj2 dement*).ti,ab.
	7	AD.ti,ab.
	8	(Parkinson* adj2 dementia).ti,ab.
	9	(lewy* adj2 bod*).ti,ab.
	10	"frontotemporal lobe degeneration".ti,ab.
	11	"frontotemporal lob* degeneration".ti,ab.
	12	FTD.ti,ab.
	13	FTLD.ti,ab.
	14	"Pick* disease".ti,ab.
	15	(Pick* adj2 disease).ti,ab.
	16	"vascular dementia".ti,ab.
	17	VAD.ti,ab.
	18	"multi-infarct".ti,ab.
	19	"mixed dementia".ti,ab.
	20	exp AIDS Dementia Complex/
	21	"dementia vascular".ti,ab.
	22	exp Lewy Body Disease/
	23	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 or 19 or 20 or 21 or 22
	24	Routinely Collected Health Data/
	25	(Claim* adj2 data).ti,ab.
	26	(Insurance adj2 claim*).ti,ab.
	27	(Insurance adj2 data).ti,ab.

28	(Insurance adj2 reimburse).ti,ab.
29	"administrati* data*".ti,ab.
30	"administrati* health* database*".ti,ab.
31	"Health* data source*".ti,ab.
32	(health* adj3 administrati* adj3 data*).ti,ab.
33	"electr* health* record*".ti,ab.
34	"govern* administrati*".ti,ab.
35	"National Health Insurance Research Database".ti,ab.
36	NHIRD.ti,ab.
37	"national health insurance".ti,ab.
38	"health insurance".ti,ab.
39	"national health program*".ti,ab.
40	"national health service*".ti,ab.
41	NHI.ti,ab.
42	"national data".ti,ab.
43	nationwide.ti,ab.
44	"insurance, national health".ti,ab.
45	("population-base*" or "population* base*").ti,ab.
46	"Taiwan* longitudinal stud*".ti,ab.
47	("follow-up stud*" or "follow* up stud*").ti,ab.
48	retrospective.ti,ab.
49	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 or 41 or 42 or 43 or 44 or 45 or 46 or 47 or 48
50	Taiwan*.ti,ab.
51	23 and 49 and 50
52	limit 51 to yr="2000 -Current"

Source	#	Search strategy
CENTRAL Cochrane Library	1	MeSH descriptor: [Dementia] explode all trees
	2	major neurocognitive disorder
	3	Alzheimer Disease
	4	dement*
	5	Alzheimer*
	6	Alzheimer* adj3 dement*
	7	AD
	8	Parkinson* adj3 dementia
	9	lewy* adj3 bod*
	10	Lewy Body Disease
	11	MeSH descriptor: [Lewy Body Disease] explode all trees
	12	DLB
	13	Dementia with Lewy bodies
	14	Dementia with Lewy body
	15	Frontotemporal Lobar Degeneration
	16	MeSH descriptor: [Frontotemporal Lobar Degeneration] explode all trees
	17	Frontotemporal Loba* Degeneration
	18	FTD
	19	FTLD
	20	Pick* disease
	21	Pick* adj3 disease
	22	MeSH descriptor: [Dementia, Vascular] explode all trees
	23	VaD
	24	mixed dementia
	25	MeSH descriptor: [AIDS Dementia Complex] explode all trees
	26	AIDS Dementia Complex
	27	#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

	OR #19 OR #20 OR #21 OR #22 OR# 23 OR #24 OR #25 OR #26
28	MeSH descriptor: [Routinely Collected Health Data] explode all trees
29	Claim* adj2 data
30	Insurance adj2 claim*
31	Insurance adj2 data
32	Insurance adj2 reimburse
33	administrati* data*
34	administrati* adj3 health* adj3 database*
35	Health* data source*
36	health* adj3 administrati* adj3 data*
37	electr* health* record*
38	govern* administrati*
39	National Health Insurance Research Database
40	NHIRD
41	national health insurance
42	health insurance
43	national health program*
44	national health service*
45	NHI
46	national data*
47	nationwide
48	insurance adj3 national adj3 health
49	insurance national health
50	population-base*
51	population* base*
52	Taiwan* longitudinal stud*
53	follow-up stud*
54	follow* up stud*
55	retrospective

56	#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 OR #41 OR #42 OR #43 OR #44 OR #45 OR #46 OR #47 OR #48 OR #49 OR #50 OR #51 OR #52 OR #53 OR #54 OR #55
57	Taiwan*
58	#27 AND #56 AND #57

Source	S	Search strategy
CINAHL (EBSCOhost)	1	TI dementia OR AB dementia
	2	MH dementia+ OR TX dementia+
	3	MH "dement*" OR TX "dement*"
	4	TI dement* OR AB dement*
	5	TI "Alzheimer* Disease" OR AB "Alzheimer* Disease"
	6	TX "Alzheimer Disease"
	7	TI Alzheimer* OR AB Alzheimer*
	8	TX Alzheimer*
	9	MH Alzheimer*
	10	TX "Alzheimer*" N3 "dement*"
	11	TX "AD" OR TI "AD" OR AB "AD"
	12	TX "major neurocognitive disorder"
	13	TI "major neurocognitive disorder" OR AB "major neurocognitive disorder"
	14	TI "Parkinson* N3 dement*" OR AB "Parkinson* N3 dement*"
	15	TX "Parkinson* N3 dement*"
	16	TX "lewy* N3 bod*"
	17	TI "lewy* N3 bod*" OR AB "lewy* N3 bod*"
	18	MH Lewy Body Disease+
	19	TX "Lewy* Bod* Disease" OR TI "Lewy* Bod* Disease" OR AB "Lewy* Bod* Disease"
	20	TX "DLB" OR TI "DLB" OR AB "DLB"
	21	TX "frontotemporal lobe* degeneration"

22	MH frontotemporal lobar degeneration
23	TI "frontotemporal lobar degeneration" OR AB "frontotemporal lobar degeneration"
24	MH frontotemporal dement*
25	TX "frontotemporal dementia" OR TI "frontotemporal dementia" OR AB "frontotemporal dementia"
26	TX "FTD" OR TI "FTD" OR AB "FTD"
27	TX "FTLD" OR TI "FTLD" OR AB "FTLD"
28	TX "Pick* disease" OR TI "Pick* disease" OR AB "Pick* disease"
29	TX "vascular dementia" OR TI "vascular dementia" OR AB "vascular dementia"
30	TX "multi-infarct" OR TI "multi-infarct" OR AB "multi-infarct"
31	TX "mixed dementia" OR TI "mixed dementia" OR AB "mixed dementia"
32	TX "mixed N3 dementia" OR TI "mixed N3 dementia" OR AB "mixed N3 dementia"
33	TX "mixed N3 dementia" OR TI "mixed N3 dementia" OR AB "mixed N3 dementia"
34	MH AIDS Dementia Complex+
35	TX "AIDS Dement* Complex" OR TI "AIDS Dement* Complex" OR AB "AIDS Dement* Complex"
36	S1 OR S2 OR S3 OR S4 OR S5 OR S6 OR S7 OR S8 OR S9 OR S10 OR S11 OR S12 OR S13 OR S14 OR S15 OR S16 OR S17 OR S18 OR S19 OR S20 OR S21 OR S22 OR S23 OR S24 OR S25 OR S26 OR S27 OR S28 OR S29 OR S30 OR S31 OR S32 OR S33 OR S34 OR S35
37	MH Routinely Collected Health Data+
38	TX "Routinely Collected Health Data+" OR TI "Routinely Collected Health Data" OR AB "Routinely Collected Health Data"
39	TX "Claim* N3 data" OR TI "Claim* N3 data" OR AB "Claim* N3 data"
40	TX "Insurance N3 claim*" OR TI "Insurance N3 claim*" OR AB "Insurance N3 claim*"
41	TX "Insurance N3 data*" OR TI "Insurance N3 data*" OR AB "Insurance N3 data*"

42	TX "Insurance N3 reimburse" OR TI "Insurance N3 reimburse" OR AB "Insurance N3 reimburse"
43	TX "administrati* data*" OR TI "administrati* data*" OR AB "administrati* data*"
44	TX "Health* data* source*" OR TI "Health* data* source*" OR AB "Health* data* source*"
45	TX "administrati* health* data*" OR TI "administrati* health* data*" OR AB "administrati* health* data*"
46	TX "health* administrati* data*" OR TI "health* administrati* data*" OR AB "health* administrati* data*"
47	TX "electr* health* record*" OR TI "electr* health* record*" OR AB "electr* health* record*"
48	TX "govern* administrati*" OR TI "govern* administrati*" OR AB "govern* administrati*"
49	TX "National Health Insurance Research Database" OR TI "National Health Insurance Research Database" OR AB "National Health Insurance Research Database"
50	TX "NHIRD" OR TI "NHIRD" OR AB "NHIRD"
51	TX "national health insurance" OR TI "national health insurance" OR AB "national health insurance"
52	TX "national health program" OR TI "national health program" OR AB "national health program"
53	TX "national health service*" OR TI "national health service*" OR AB "national health service*"
54	TX "NHI" OR TI "NHI" OR AB "NHI"
55	TX "national data*" OR TI "national data*" OR AB "national data*"
56	TX "nationwide insurance" OR TI "nationwide insurance" OR AB "nationwide insurance"
57	TX nationwide OR TI nationwide OR AB nationwide
58	TX "insurance N3 national health" OR TI "insurance N3 national health" OR AB "insurance N3 national health"
59	TX "insurance national health*" OR TI "insurance national health*" OR AB "insurance national health*"
60	TX "population-base*" OR TI "population-base*" OR AB "population-base*"

61	TX "population* base*" OR TI "population* base*" OR AB "population* base*"
62	TX "Taiwan* longitudinal stud*" OR TI "Taiwan* longitudinal stud*" OR AB "Taiwan* longitudinal stud*"
63	TX "follow-up stud*" OR TI "follow-up stud*" OR AB "follow-up stud*"
64	TX "follow* up stud*" OR TI "follow* up stud*" OR AB "follow* up stud*"
65	TX "retrospective" OR TI "retrospective" OR AB "retrospective"
66	MH Taiwan*
67	TX "Taiwan*" OR TI "Taiwan*" OR AB "Taiwan*"
68	S37 OR S38 OR S39 OR S40 OR S41 OR S42 OR S43 OR S44 OR S45 OR S46 OR S47 OR S48 OR S49 OR S50 OR S51 OR S52 OR S53 OR S54 OR S55 OR S56 OR S57 OR S58 OR S59 OR S60 OR S61 OR S62 OR S63 OR S64 OR S65
69	S66 OR S67
70	S36 AND S68 AND S69

websites Source	#	Search strategy
Airiti library (https://www.airitilibrary.com/)	1	"Dementia" OR "dement*" OR "major neurocognitive disorder" OR "Alzheimer Disease" OR "Alzheimer*" OR "Alzheimer Dementia" OR "Parkinson dementia" OR "Dementia with lewy body" OR "DLB" OR "Lewy Body Disease" OR "frontotemporal lobe degeneration" OR "Frontotemporal Lobar Degeneration" OR "Frontotemporal dementia" OR "FTD" OR "FTLD" OR "Pick's disease" OR "vascular dementia" OR "multi-infarct" OR "mixed dementia" OR "AIDS Dementia Complex"
	2	"Routinely Collected Health Data" OR "Claim data" OR "Insurance claim" OR "Insurance reimburse" OR "Administration data" OR "Administration health database" OR "Health data source" OR "National Health Insurance Research Database" OR "NHIRD" OR "National health insurance" OR "National health program" OR "National health service" OR "NHI" OR "National data" OR "Nationwide" OR "Population-base study" OR "Taiwan's longitudinal" OR "Follow-up study" OR "Cohort database" OR "Big

		data" OR "Nationwide population-based" OR "Epidemiologic study"
	3	Taiwan
	4	1 AND 2 AND 3
	5	失智症 OR 阿茲海默氏症 OR 阿茲海默型失智症 OR 路易氏體失智症 OR 血管性失智症 OR 額顳葉型失智症 OR 混合型失智症 OR 愛滋感染失智
	6	全民健康保險資料庫 OR 健保資料庫 OR 資料庫研究 OR 行政申報資料庫 OR 台灣健保申報資料 OR 全民健康保險學術研究資料庫 OR 健保大數據 OR 世代研究 OR 全國性研究 OR 健康保險資料庫
	7	臺灣
	8	5 AND 6 AND 7
	9	4 AND 8

website Source	#	Search strategy
Taiwan Government Research Bulletin (GRB) (https://www.grb.gov.tw/)	1	失智症 OR 阿茲海默氏症 OR 阿茲海默型失智症 OR 路易氏體失智症 OR 血管性失智症 OR 額顳葉型失智症 OR 混合型失智症 OR 愛滋感染失智
	2	全民健康保險資料庫 OR 健保資料庫 OR 資料庫研究 OR 行政申報資料庫 OR 台灣健保申報資料 OR 全民健康保險學術研究資料庫 OR 健保大數據 OR 世代研究 OR 全國性研究 OR 健康保險資料庫
	3	臺灣
	4	1 AND 2 AND 3

website Source	#	Search strategy
The National Health Insurance Administration's repository of Journal articles	1	Dementia OR major neurocognitive disorder OR Alzheimer Disease OR Alzheimer OR Alzheimer Dementia OR Parkinson dementia OR dementia with lewy body OR Lewy Body Disease OR frontotemporal lobe degeneration OR Frontotemporal Lobar Degeneration OR Frontotemporal dementia OR Pick's disease OR vascular dementia OR multi-infarct OR mixed dementia OR AIDS

using Taiwan's National Health Insurance research data. (https://www.nhi.gov.tw/Query/Query_AcademicResearch.aspx)	Dementia Complex
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