Table S1 Search algorithms

Database	No	Step search algorithm	Items found
Pubmed	#1	Search Nonalcoholic Fatty Liver Disease	17760
	#2	Search Fatty Liver, Nonalcoholic	18393
	#3	Search Fatty Livers, Nonalcoholic	13726
	#4	Search Liver, Nonalcoholic Fatty	18393
	#5	Search Livers, Nonalcoholic Fatty	13726
	#6	Search Nonalcoholic Fatty Liver	18393
	#7	Search Nonalcoholic Fatty Livers	13726
	#8	Search Nonalcoholic Steatohepatitis	16051
	#9	Search Nonalcoholic Steatohepatitides	13400
	#10	Search Steatohepatitides, Nonalcoholic	13400
	#11	Search Steatohepatitis, Nonalcoholic	16051
	#12	Search ((((((((((((((((((((((((((((((((((((20067
		Steatohepatitides, Nonalcoholic) OR Nonalcoholic	
		Steatohepatitides) OR Nonalcoholic Steatohepatitis) OR	
		Nonalcoholic Fatty Livers) OR Nonalcoholic Fatty Liver) OR	
		Livers, Nonalcoholic Fatty) OR Liver, Nonalcoholic Fatty)	
		OR Fatty Livers, Nonalcoholic) OR Fatty Liver,	
		Nonalcoholic) OR Nonalcoholic Fatty Liver Disease) OR	
		NAFLD) OR Non-alcoholic Fatty Liver Disease) OR non-	
		alcoholic fatty liver disease	
	#13	Search mortality	1145113
	#14	Search Mortalities	1149041
	#15	Search Case Fatality Rate	1147504
	#16	Search Case Fatality Rates	1146113
	#17	Search Rate, Case Fatality	1147504
	#18	Search Rates, Case Fatality	1146113
	#19	Search Mortality, Excess	1145113
	#20	Search Excess Mortalities	1145161
	#21	Search Mortalities, Excess	1145161
	#22	Search Excess Mortality	1145113
	#23	Search Decline, Mortality	1145113
	#24	Search Declines, Mortality	1145113
	#25	Search Mortality Declines	1145113
	#26	Search Mortality Decline	1145113
	#27	Search Mortality Determinants	1145113
	#28	Search Determinant, Mortality	1145113
	#29	Search Mortality Determinant	1145113
	#30	Search Determinants, Mortality	1145113
	#31	Search Mortality, Differential	1145113
	#32	Search Differential Mortalities	1145186
	#33	Search Mortalities, Differential	1145186
	#34	Search Differential Mortality	1145113
	#35	Search Age-Specific Death Rate	1146099
	#36	Search Age-Specific Death Rates	1145890
	#37	Search Death Rate, Age-Specific	1146099
	#38	Search Death Rates, Age-Specific	1145890

Database	No	Step search algorithm	Items found
	#39	Search Rate, Age-Specific Death	1146099
	#40	Search Rates, Age-Specific Death	1145890
	#41	Search Age Specific Death Rate	1146099
	#42	Search Death Rate	1193613
	#43	Search Death Rates	1169900
	#44	Search Rate, Death	1193613
	#45	Search Rates, Death	1169900
	#46	Search Mortality Rate	1145113
	#47	Search Mortality Rates	1145113
	#48	Search Rate, Mortality	1145113
	#49	Search Rates, Mortality	1145113
	#50	Search non-alcoholic fatty liver disease	14063
	#51	Search ((((((((((((((((((((((((((((((((((((1216372
		Rate, Mortality OR Mortality Rates) OR Mortality Rate) OR	
		Rates, Death) OR Rate, Death) OR Death Rates) OR Death	
		Rate) OR Age Specific Death Rate) OR Rates, Age-Specific	
		Death) OR Rate, Age-Specific Death) OR Death Rates, Age-	
		Specific) OR Death Rate, Age-Specific) OR Age-Specific	
		Death Rates) OR Age-Specific Death Rate) OR Differential	
		Mortality) OR Mortalities, Differential) OR Differential	
		Mortalities) OR Mortality, Differential) OR Determinants,	
		Mortality OR Mortality Determinant) OR Determinant,	
		Mortality OR Mortality Determinants) OR Mortality	
		Decline) OR Mortality Declines) OR Declines, Mortality) OR	
		Decline, Mortality) OR Excess Mortality) OR Mortalities,	
		Excess) OR Excess Mortalities) OR Mortality, Excess) OR Rates, Case Fatality) OR Rate, Case Fatality) OR Case	
		Fatality Rates) OR Case Fatality Rate) OR Mortalities) OR	
		mortality	
	#52	Search Cardiovascular Diseases	2304097
	#53	Search Cardiovascular Disease	2379651
	#54	Search Disease, Cardiovascular	2379651
	#55	Search Diseases, Cardiovascular	2304097
	#56	Search (((Diseases, Cardiovascular) OR Disease,	2379651
		Cardiovascular) OR Cardiovascular Disease) OR	
		Cardiovascular Diseases	
	#57	Search hospital mortalities	376952
	#58	Search Mortality, In-Hospital	375766
	#59	Search In-Hospital Mortalities	376952
	#60	Search Mortalities, In-Hospital	376952
	#61	Search Non alcoholic Fatty Liver Disease	14063
	#62	Search In-Hospital Mortality	375766
	#63	Search Mortality, Hospital	375766
	#64	Search Mortalities, Hospital	376952
	#65	Search Mortalities, In-house	375819
	#66	Search In-house Mortalities	375819
	#67	Search In-house Mortality	377888
	#68	Search Mortalities, In house	375819

Database	No	Step search algorithm	Items found
Database	#69	Search Mortality, In-house	377888
	#70	Search Mortality, Inhospital	377888 375943
	#71	Search Hospital Mortalities	376952
	#72	Search NAFLD	16197
	#73	Search In Hospital Mortalities	376952
	#74	Search Inhospital Mortalities	375769
	#75	Search Mortalities, Inhospital	375769
	#76	Search In Hospital Mortality	375766
	#77	Search Hospital Mortalities, In	376952
	#78	Search Hospital Mortality, In	375766
	#79	Search Mortalities, In Hospital	376952
	#80	Search Mortality, In Hospital	375766
	#81	Search Inhospital Mortality	375943
	#82	Search ((((((((((((((((((((((((((((((((((((379267
		In Hospital) OR Mortalities, In Hospital) OR Hospital	1
		Mortality, In) OR Hospital Mortalities, In) OR In Hospital	
		Mortality) OR Mortalities, Inhospital) OR Inhospital	
		Mortalities) OR In Hospital Mortalities) OR Hospital	
		Mortalities) OR Mortality, Inhospital) OR Mortality, In-	
		house) OR Mortalities, In house) OR In-house Mortality) OR	
		In-house Mortalities) OR Mortalities, In-house) OR	
		Mortalities, Hospital) OR Mortality, Hospital) OR In-Hospital	
		Mortality) OR Mortalities, In-Hospital) OR In-Hospital Mortalities) OR Mortality, In-Hospital) OR hospital	
		mortalities OR Mortality, in-Hospital) OR nospital	
	#83	Search ((((((((((((((((((((((((((((((((((((222
	"05	Mortality, In Hospital) OR Mortalities, In Hospital) OR	222
		Hospital Mortality, In) OR Hospital Mortalities, In) OR In	
		Hospital Mortality) OR Mortalities, Inhospital) OR Inhospital	
		Mortalities) OR In Hospital Mortalities) OR Hospital	
		Mortalities) OR Mortality, Inhospital) OR Mortality, In-	
		house) OR Mortalities, In house) OR In-house Mortality) OR	1
		In-house Mortalities) OR Mortalities, In-house) OR	
		Mortalities, Hospital) OR Mortality, Hospital) OR In-Hospital	
		Mortality) OR Mortalities, In-Hospital) OR In-Hospital	
		Mortalities) OR Mortality, In-Hospital) OR hospital	
		mortalities)) AND ((((Diseases, Cardiovascular) OR Disease,	
		Cardiovascular Disease) OR	
		Cardiovascular Diseases)) AND	
		((((((((((((((((((((((((((((((((((((((
		Death) OR Rate, Death) OR Death Rates) OR Death Rate) OR	
		Age Specific Death Rate) OR Rates, Age-Specific Death) OR	
		Rate, Age-Specific Death) OR Death Rates, Age-Specific) OR	
		Death Rate, Age-Specific) OR Age-Specific Death Rates) OR	
		Age-Specific Death Rate) OR Differential Mortality) OR	
		Mortalities, Differential) OR Differential Mortalities) OR	
		Mortality, Differential) OR Determinants, Mortality) OR	

Database	No	Step search algorithm	Items found
Database	110	Mortality Determinant) OR Determinant, Mortality) OR	Items Iouna
		Mortality Determinant) OR Mortality Decline) OR Mortality	
		Declines) OR Declines, Mortality OR Decline, Mortality OR	
		Excess Mortality) OR Mortalities, Excess) OR Excess	
		Mortalities) OR Mortality, Excess) OR Rates, Case Fatality)	
		OR Rate, Case Fatality) OR Case Fatality Rates) OR Case Fatality Rate) OR Mortalities) OR mortality) AND	
		Fatality Rate) OR Mortalities) OR mortality)) AND	
		((((((((((((((((((((((((((((((((((((((
		Steatohepatitides, Nonalcoholic OR Nonalcoholic	
		Steatohepatitides) OR Nonalcoholic Steatohepatitis) OR	
		Nonalcoholic Fatty Livers) OR Nonalcoholic Fatty Liver) OR	
		Livers, Nonalcoholic Fatty) OR Liver, Nonalcoholic Fatty)	
		OR Fatty Livers, Nonalcoholic) OR Fatty Liver,	
		Nonalcoholic) OR Nonalcoholic Fatty Liver Disease) OR	
		NAFLD) OR Non alcoholic Fatty Liver Disease) OR non-	
		alcoholic fatty liver disease)	
	#84	Search ishemic stroke	19
	#85	Search ischemic stroke	85121
	#86	Search (((((Diseases, Cardiovascular) OR Disease,	2392305
		Cardiovascular) OR Cardiovascular Disease) OR	
		Cardiovascular Diseases)) OR ischemic stroke	
	#87	Search ((((((((Diseases, Cardiovascular) OR Disease,	294
		Cardiovascular) OR Cardiovascular Disease) OR	
		Cardiovascular Diseases)) OR ischemic stroke)) AND	
		((((((((((((((((((((((((((((((((((((((
		Hospital) OR Mortalities, In Hospital) OR Hospital Mortality,	
		In) OR Hospital Mortalities, In) OR In Hospital Mortality)	
		OR Mortalities, Inhospital) OR Inhospital Mortalities) OR In	
		Hospital Mortalities) OR Hospital Mortalities) OR Mortality,	
		Inhospital) OR Mortality, In-house) OR Mortalities, In house)	
		OR In-house Mortality) OR In-house Mortalities) OR	
		Mortalities, In-house) OR Mortalities, Hospital) OR	
		Mortality, Hospital) OR In-Hospital Mortality) OR	
		Mortalities, In-Hospital) OR In-Hospital Mortalities) OR	
		Mortality, In-Hospital) OR hospital mortalities)) AND	
		((((((((((((((((((((((((((((((((((((((
		Mortality) OR Mortality Rates) OR Mortality Rate) OR Rates,	
		Death) OR Rate, Death) OR Death Rates) OR Death Rate) OR	
		Age Specific Death Rate) OR Rates, Age-Specific Death) OR	
		Rate, Age-Specific Death) OR Death Rates, Age-Specific) OR	
		Death Rate, Age-Specific) OR Age-Specific Death Rates) OR	
		Age-Specific Death Rate) OR Differential Mortality) OR	
		Mortalities, Differential) OR Differential Mortalities) OR	
		Mortality, Differential) OR Determinants, Mortality) OR	
		Mortality Determinant) OR Determinant, Mortality) OR	
		Mortality Determinants) OR Mortality Decline) OR Mortality	
		Declines) OR Declines, Mortality) OR Decline, Mortality) OR	
		Excess Mortality) OR Mortalities, Excess) OR Excess	
		Mortalities) OR Mortality, Excess) OR Rates, Case Fatality)	

Database	No	Step search algorithm	Items found
		OR Rate, Case Fatality) OR Case Fatality Rates) OR Case	
		Fatality Rate) OR Mortalities) OR mortality)) AND	
		((((((((((((((((((((((((((((((((((((((
		Steatohepatitides, Nonalcoholic) OR Nonalcoholic	
		Steatohepatitides) OR Nonalcoholic Steatohepatitis) OR	
		Nonalcoholic Fatty Livers) OR Nonalcoholic Fatty Liver) OR	
		Livers, Nonalcoholic Fatty) OR Liver, Nonalcoholic Fatty)	
		OR Fatty Livers, Nonalcoholic) OR Fatty Liver,	
		Nonalcoholic OR Nonalcoholic Fatty Liver Disease) OR	
		NAFLD) OR Non alcoholic Fatty Liver Disease) OR non-	
		alcoholic fatty liver disease)	
Cochran	#1	("non-alcoholic fatty liver disease") OR ("Non alcoholic Fatty	1442
		Liver Disease") OR ("NAFLD") OR ("Nonalcoholic Fatty	
		Liver Disease") OR ("Fatty Liver, Nonalcoholic") (Word	
		variations have been searched)	
	#2	("Nonalcoholic Steatohepatitis") OR ("Nonalcoholic	1597
		Steatohepatitides") OR ("Steatohepatitides, Nonalcoholic")	
		OR ("Steatohepatitis, Nonalcoholic") (Word variations have	
		been searched)	
	#3	#1 OR #2	609
	#4	("mortality") OR ("Mortalities") OR ("Case Fatality Rate")	72408
		OR ("Case Fatality Rates") OR ("Rate, Case Fatality") (Word	
		variations have been searched)	
	#5	("Rates, Case Fatality") OR ("Mortality, Excess") OR	318
		("Excess Mortalities") OR ("Mortalities, Excess") OR	
		("Excess Mortality") (Word variations have been searched)	
	#6	("Rates, Case Fatality") OR ("Mortality, Excess") OR	42
		("Excess Mortalities") OR ("Mortalities, Excess") OR	
		("Excess Mortality") (Word variations have been searched)	50
	#7	("Decline, Mortality") OR ("Declines, Mortality") OR	50
		("Mortality Declines") OR ("Mortality Decline") OR	
		("Mortality Determinants") (Word variations have been	
	що	searched)	21
	#8	("Determinant, Mortality") OR ("Mortality Determinant") OR	21
		("Determinants, Mortality") OR ("Mortality, Differential") OR ("Differential Mortalities") (Word variations have been	
		searched)	
	#9	("Mortalities, Differential") OR ("Differential Mortality") OR	1215
	#7	("Age-Specific Death Rate") OR ("Age-Specific Death	1213
		Rates") OR ("Death Rate, Age-Specific") (Word variations	
		have been searched)	
	#10	("Death Rates, Age-Specific") OR ("Rate, Age-Specific	9245
	1110	Death") OR ("Rates, Age-Specific Death") OR ("Age Specific	7273
		Death Rate") OR ("Death Rate") (Word variations have been	
		searched)	
	#11	("Death Rates") OR ("Rate, Death") OR ("Rates, Death") OR	611
		("Mortality Rate") OR ("Mortality Rates") (Word variations	
		have been searched)	
	_	1	1

Database	No	Step search algorithm	Items found
	#12	#4 OR #5 OR #6 OR #7 OR #8 OR #9 OR #10 OR #11	21980
	#13	("Cardiovascular Diseases") OR ("Cardiovascular Disease")	3564
		OR ("Disease, Cardiovascular") OR ("Diseases,	
		Cardiovascular") (Word variations have been searched)	
	#14	("hospital mortalities") OR ("Mortality, In-Hospital") OR	897
		("In-Hospital Mortalities") OR ("Mortalities, In-Hospital")	
		OR ("In-Hospital Mortality") (Word variations have been	
		searched)	
	#15	("Mortality, Hospital") OR ("Mortalities, Hospital") OR	3468
		("Mortalities, In-house") OR ("In-house Mortalities") OR	
		("In-house Mortality") (Word variations have been searched)	
	#16	("Mortalities, In house") OR ("Mortality, In-house") OR	1643
		("Mortality, Inhospital") OR ("Hospital Mortalities") OR ("In	
		Hospital Mortalities") (Word variations have been searched)	
	#17	("Inhospital Mortalities") OR ("Mortalities, Inhospital") OR	1528
		("In Hospital Mortality") OR ("Hospital Mortalities, In") OR	
		("Hospital Mortality, In") (Word variations have been	
		searched)	
	#18	("Mortalities, In Hospital") OR ("Mortality, In Hospital") OR	4265
		("Inhospital Mortality") (Word variations have been searched)	44-4-
	#19	#14 OR #15 OR #16 OR #17 OR #18	11546
	#20	#3 AND #12 AND #13 AND #19	0
EMBASE	#1	'cardiovascular disease'/syn	4,160,282
	#2	'stroke'/syn	74,203
	#3	'CVD'/syn	49,164
	#4	#1 OR #2 OR #3	4,238,733
	#5	'nonalcoholic fatty liver'/syn	39,229
	#6	'NAFLD'/syn	21,404
	#7	#5 OR #6	40,545
	#8	'mortality'/syn	1,355,505
	#9	'hospital mortality'/syn	57,385
	#10	#8 OR #9	1,355,505
	#11	#4 AND #7 AND #10	1,841