Association of socioeconomic status with cardiovascular disease and cardiovascular risk factors: A systematic review and meta-analysis

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Online Resource 1 Search strategy

Search date: March 24, 2022 and a supplementary search was conducted on August 5, 2022.

Databases searched: Web of Science,PubMed, EMBASE, and Cochrane Library

Search Strategy in Web of science

Number	Query	Results
#3	#2 AND #1	11842
#2	((((((((((((TS=(myocardial infarction)) OR TS=(Infarction, Myocardial)) OR TS=(Infarctions, Myocardial)) OR TS=(Myocardial Infarctions)) OR TS=(Cardiovascular Stroke)) OR TS=(Cardiovascular Strokes)) OR TS=(Stroke, Cardiovascular)) OR TS=(Strokes, Cardiovascular)) OR TS=(Myocardial Infarct)) OR TS=(Infarct, Myocardial)) OR TS=(Infarcts, Myocardial)) OR TS=(Myocardial Infarcts)) OR TS=(Heart Attack)) OR TS=(Heart Attacks)	761369
#1	((((((((((((((((((((((((((TS=(Socioeconomic Factors)) OR TS=(Factor, Socioeconomic)) OR TS=(Socioeconomic Factor)) OR TS=(Factors, Socioeconomic)) OR TS=(Standard of Living)) OR TS=(Living Standard)) OR TS=(Living Standards)) OR TS=(Land Tenure)) OR TS=(Tenure, Land)) OR TS=(Social Inequality)) OR TS=(Inequalities, Social)) OR TS=(Inequality, Social)) OR TS=(Social Inequalities)) OR TS=(High-Income Population)) OR TS=(High Income Population)) OR TS=(High-Income Populations)) OR TS=(Population, High-Income)) OR TS=(Populations, High-Income)) OR TS=(Social Class)) OR TS=(Class, Social)) OR TS=(Classes, Social)) OR TS=(Social Classes)) OR TS=(Socioeconomic Status)) OR TS=(Status, Socioeconomic)) OR TS=(Middle Class Population)) OR TS=(Class Population, Middle)) OR TS=(Class Populations, Middle)) OR TS=(Middle Class Populations)) OR TS=(Population, Middle Class)) OR TS=(Populations, Middle	678145

| | Class)) OR TS=(Caste)) OR TS=(Castes) | |

11842 Results

Search Strategy in PUBMED

Search number	Query	Search Details	Results
3	(("Myocardial Infarction"[Mesh]) OR (((((((((((((Infarction, Myocardial[Title/Abstract]) OR (Infarctions, Myocardial[Title/Abstract])) OR (Myocardial Infarctions[Title/Abstract])) OR (Cardiovascular Stroke[Title/Abstract])) OR (Cardiovascular Strokes[Title/Abstract])) OR (Stroke, Cardiovascular[Title/Abstract])) OR (Stroke, Cardiovascular[Title/Abstract])) OR (Strokes, Cardiovascular[Title/Abstract])) OR (Myocardial Infarct[Title/Abstract])) OR (Infarct, Myocardial[Title/Abstract])) OR (Infarcts, Myocardial[Title/Abstract])) OR (Myocardial Infarcts[Title/Abstract])) OR (Heart Attack[Title/Abstract])) OR (Heart Attacks[Title/Abstract]))) AND (((((((((((((((((((((Socioeconomic Factors[Title/Abstract]) OR (Factor, Socioeconomic[Title/Abstract])) OR (Socioeconomic Factor[Title/Abstract])) OR (Factors, Socioeconomic[Title/Abstract])) OR (Standard of Living[Title/Abstract])) OR (Living Standard[Title/Abstract])) OR (Living	("Myocardial Infarction"[MeSH Terms] OR ("infarction myocardial"[Title/Abstract] OR "infarctions myocardial"[Title/Abstract] OR "myocardial infarctions"[Title/Abstract] OR "cardiovascular stroke"[Title/Abstract] OR (("cardiovascular system"[MeSH Terms] OR ("Cardiovascular"[All Fields] AND "system"[All Fields]) OR "cardiovascular system"[All Fields] OR "Cardiovascular"[All Fields] OR "cardiovasculars"[All Fields]) AND "Strokes"[Title/Abstract]) OR "stroke cardiovascular"[Title/Abstract] OR "stroke cardiovascular"[Title/Abstract] OR "strokes cardiovascular"[Title/Abstract] OR "myocardial infarct"[Title/Abstract] OR "infarct myocardial"[Title/Abstract] OR "infarcts myocardial"[Title/Abstract] OR "myocardial infarcts"[Title/Abstract] OR "heart attack"[Title/Abstract] OR "heart attacks"[Title/Abstract])) AND ("Socioeconomic Factors"[Title/Abstract] OR "factor socioeconomic"[Title/Abstract] OR "socioeconomic factor"[Title/Abstract] OR "factors socioeconomic"[Title/Abstract] OR "standard of living"[Title/Abstract] OR "living standard"[Title/Abstract] OR "living standards"[Title/Abstract] OR "land	2567

Standards[Title/Abstract])) OR (Land Tenure[Title/Abstract])) OR (Tenure, Land[Title/Abstract])) OR (Social Inequality[Title/Abstract])) OR (Inequalities, Social[Title/Abstract])) OR (Inequality, Social[Title/Abstract])) OR (Social Inequalities[Title/Abstract])) OR (High-Income Population[Title/Abstract])) OR (High Income Population[Title/Abstract])) OR (High-Income Populations[Title/Abstract])) OR (Population, High-Income[Title/Abstract])) OR (Populations, High-Income[Title/Abstract])) OR (Social Class[Title/Abstract])) OR (Class, Social[Title/Abstract])) OR (Classes, Social[Title/Abstract])) OR (Social Classes[Title/Abstract])) OR (Socioeconomic Status[Title/Abstract])) OR (Status, Socioeconomic[Title/Abstract])) OR (Middle Class Population[Title/Abstract])) OR (Class Population, Middle[Title/Abstract])) OR (Class Populations, Middle[Title/Abstract])) OR (Middle Class Populations[Title/Abstract])) OR (Population, Middle Class[Title/Abstract])) OR (Populations, Middle Class[Title/Abstract])) OR (Caste[Title/Abstract])) OR (Castes[Title/Abstract])) OR ("Socioeconomic Factors"[Mesh]))

tenure"[Title/Abstract] OR "tenure land"[Title/Abstract] OR "social inequality"[Title/Abstract] OR "inequalities social"[Title/Abstract] OR "inequality social"[Title/Abstract] OR "social inequalities"[Title/Abstract] OR "high income population"[Title/Abstract] OR "high income population"[Title/Abstract] OR "high income populations"[Title/Abstract] OR "population high income"[Title/Abstract] OR (("populate"[All Fields] OR "populated"[All Fields] OR "populates"[All Fields] OR "populating"[All Fields] OR "Population"[MeSH Terms] OR "Population"[All Fields] OR "population groups"[MeSH Terms] OR ("Population"[All Fields] AND "groups"[All Fields]) OR "population groups"[All Fields] OR "Populations"[All Fields] OR "population s"[All Fields] OR "populational"[All Fields] OR "populous"[All Fields]) AND "High-Income"[Title/Abstract]) OR "social class"[Title/Abstract] OR "class social"[Title/Abstract] OR "classes social"[Title/Abstract] OR "social classes"[Title/Abstract] OR "socioeconomic status"[Title/Abstract] OR "status socioeconomic"[Title/Abstract] OR "middle class population"[Title/Abstract] OR (("Class"[All Fields] OR "classe"[All Fields] OR "classed"[All Fields] OR "Classes"[All Fields]) AND "population middle"[Title/Abstract]) OR (("Class"[All Fields] OR "classe"[All Fields] OR "classed"[All Fields] OR "Classes"[All Fields]) AND "populations middle"[Title/Abstract]) OR "middle class populations"[Title/Abstract] OR "population middle class"[Title/Abstract] OR (("populate"[All Fields] OR "populated"[All Fields] OR "populates"[All Fields] OR "populating"[All Fields] OR "Population"[MeSH Terms] OR "Population"[All Fields] OR "population groups"[MeSH Terms]

		OR ("Population"[All Fields] AND "groups"[All Fields]) OR "population groups"[All Fields] OR "Populations"[All Fields] OR "population s"[All Fields] OR "populational"[All Fields] OR "populous"[All Fields]) AND "middle class"[Title/Abstract]) OR "Caste"[Title/Abstract] OR "Castes"[Title/Abstract] OR "Socioeconomic Factors"[MeSH Terms])	
2	(((((((((((((((((((((((((((Socioeconomic Factors[Title/Abstract])) OR (Factor, Socioeconomic[Title/Abstract])) OR (Socioeconomic Factor[Title/Abstract])) OR (Factors, Socioeconomic[Title/Abstract])) OR (Standard of Living[Title/Abstract])) OR (Living Standard[Title/Abstract])) OR (Living Standards[Title/Abstract])) OR (Land Tenure[Title/Abstract])) OR (Tenure, Land[Title/Abstract])) OR (Social Inequality[Title/Abstract])) OR (Inequalities, Social[Title/Abstract])) OR (Inequality, Social[Title/Abstract])) OR (Social Inequalities[Title/Abstract])) OR (High-Income Population[Title/Abstract])) OR (High Income Population[Title/Abstract])) OR (High-Income Populations[Title/Abstract])) OR (Population, High-Income[Title/Abstract])) OR (Populations, High-Income[Title/Abstract])) OR (Social Class[Title/Abstract])) OR (Class, Social[Title/Abstract])) OR (Classes, Social[Title/Abstract])) OR (Social Classes[Title/Abstract])) OR (Socioeconomic Status[Title/Abstract])) OR (Status, Socioeconomic[Title/Abstract])) OR (Middle Class	"Socioeconomic Factors"[Title/Abstract] OR "factor socioeconomic"[Title/Abstract] OR "socioeconomic factor"[Title/Abstract] OR "factors socioeconomic"[Title/Abstract] OR "standard of living"[Title/Abstract] OR "living standard"[Title/Abstract] OR "living standards"[Title/Abstract] OR "land tenure"[Title/Abstract] OR "tenure land"[Title/Abstract] OR "social inequality"[Title/Abstract] OR "inequalities social"[Title/Abstract] OR "inequality social"[Title/Abstract] OR "social inequalities"[Title/Abstract] OR "high income population"[Title/Abstract] OR "high income population"[Title/Abstract] OR "high income populations"[Title/Abstract] OR "population high income"[Title/Abstract] OR (("populate"[All Fields] OR "populated"[All Fields] OR "populates"[All Fields] OR "populating"[All Fields] OR "Population"[MeSH Terms] OR "Population"[All Fields] OR "population groups"[MeSH Terms] OR ("Population"[All Fields] AND "groups"[All Fields]) OR "population groups"[All Fields] OR "Populations"[All Fields] OR "population s"[All Fields] OR "populational"[All Fields] OR "populous"[All Fields]) AND "High-Income"[Title/Abstract]) OR "social class"[Title/Abstract] OR "class social"[Title/Abstract] OR "classes social"[Title/Abstract] OR "social classes"[Title/Abstract] OR "socioeconomic	527911

	Population[Title/Abstract])) OR (Class Population, Middle[Title/Abstract])) OR (Class Populations, Middle[Title/Abstract])) OR (Middle Class Populations[Title/Abstract])) OR (Population, Middle Class[Title/Abstract])) OR (Populations, Middle Class[Title/Abstract])) OR (Caste[Title/Abstract])) OR (Castes[Title/Abstract])) OR ("Socioeconomic Factors"[Mesh])	status"[Title/Abstract] OR "status socioeconomic"[Title/Abstract] OR "middle class population"[Title/Abstract] OR (("Class"[All Fields] OR "classe"[All Fields] OR "classed"[All Fields] OR "Classes"[All Fields]) AND "population middle"[Title/Abstract]) OR (("Class"[All Fields] OR "classe"[All Fields] OR "classed"[All Fields] OR "Classes"[All Fields]) AND "populations middle"[Title/Abstract]) OR "middle class populations"[Title/Abstract] OR "population middle class"[Title/Abstract] OR (("populate"[All Fields] OR "populated"[All Fields] OR "populates"[All Fields] OR "populating"[All Fields] OR "Population"[MeSH Terms] OR "Population"[All Fields] OR "population groups"[MeSH Terms] OR ("Population"[All Fields] AND "groups"[All Fields]) OR "population groups"[All Fields] OR "Populations"[All Fields] OR "population s"[All Fields] OR "populational"[All Fields] OR "populous"[All Fields]) AND "middle class"[Title/Abstract]) OR "Caste"[Title/Abstract] OR "Castes"[Title/Abstract] OR "Socioeconomic Factors"[MeSH Terms]	
1	("Myocardial Infarction"[Mesh]) OR (((((((((((((Infarction, Myocardial[Title/Abstract]) OR (Infarctions, Myocardial[Title/Abstract])) OR (Myocardial Infarctions[Title/Abstract])) OR (Cardiovascular Stroke[Title/Abstract])) OR (Cardiovascular Strokes[Title/Abstract])) OR (Stroke, Cardiovascular[Title/Abstract])) OR (Stroke, Cardiovascular[Title/Abstract])) OR (Strokes, Cardiovascular[Title/Abstract])) OR (Myocardial Infarct[Title/Abstract])) OR (Infarct, Myocardial[Title/Abstract])) OR (Infarcts, Myocardial[Title/Abstract])) OR (Myocardial	"Myocardial Infarction"[MeSH Terms] OR ("infarction myocardial"[Title/Abstract] OR "infarctions myocardial"[Title/Abstract] OR "myocardial infarctions"[Title/Abstract] OR "cardiovascular stroke"[Title/Abstract] OR (("cardiovascular system"[MeSH Terms] OR ("Cardiovascular"[All Fields] AND "system"[All Fields]) OR "cardiovascular system"[All Fields] OR "Cardiovascular"[All Fields] OR "cardiovasculars"[All Fields]) AND "Strokes"[Title/Abstract]) OR "stroke cardiovascular"[Title/Abstract] OR "stroke cardiovascular"[Title/Abstract] OR "strokes cardiovascular"[Title/Abstract] OR "myocardial	201671

| | Infarcts[Title/Abstract])) OR (Heart Attack[Title/Abstract])) OR (Heart Attacks[Title/Abstract])) | infarct"[Title/Abstract] OR "infarct myocardial"[Title/Abstract] OR "infarcts myocardial"[Title/Abstract] OR "myocardial infarcts"[Title/Abstract] OR "heart attack"[Title/Abstract] OR "heart attacks"[Title/Abstract]) | |

2567 Results

Search Strategy in Embase

No.	Query	Results
#7	#3 AND #6	18849
#6	#4 OR #5	484962
#5	'heart infarction':ti,ab,kw OR 'myocardial infarction':ti,ab,kw OR 'infarction, myocardial':ti,ab,kw OR 'infarctions, myocardial':ti,ab,kw OR 'myocardial infarctions':ti,ab,kw OR 'cardiovascular stroke':ti,ab,kw OR 'cardiovascular strokes':ti,ab,kw OR 'stroke, cardiovascular':ti,ab,kw OR 'strokes, cardiovascular':ti,ab,kw OR 'myocardial infarct':ti,ab,kw OR 'infarct, myocardial':ti,ab,kw OR 'infarcts, myocardial':ti,ab,kw OR 'myocardial infarcts':ti,ab,kw OR 'heart attack':ti,ab,kw OR 'heart attacks':ti,ab,kw	328840
#4	'heart infarction'/exp	434275
#3	#1 OR #2	1209281
#2	'factor, socioeconomic':ti,ab,kw OR 'socioeconomic factor':ti,ab,kw OR 'factors, socioeconomic':ti,ab,kw OR 'standard of living':ti,ab,kw OR 'living standard':ti,ab,kw OR 'living standards':ti,ab,kw OR 'land tenure':ti,ab,kw OR 'tenure, land':ti,ab,kw OR 'social inequality':ti,ab,kw OR 'inequalities, social':ti,ab,kw OR 'inequality, social':ti,ab,kw OR 'social inequalities':ti,ab,kw OR 'high-income population':ti,ab,kw OR 'high income population':ti,ab,kw OR 'high-income populations':ti,ab,kw OR 'population, high-income':ti,ab,kw OR 'populations, high-income':ti,ab,kw OR 'social class':ti,ab,kw OR 'class, social':ti,ab,kw OR 'classes, social':ti,ab,kw OR 'social classes':ti,ab,kw OR 'socioeconomic status':ti,ab,kw OR 'status, socioeconomic':ti,ab,kw OR 'middle class population':ti,ab,kw OR 'class population, middle':ti,ab,kw OR 'class populations, middle':ti,ab,kw OR 'middle class populations':ti,ab,kw OR 'population, middle class':ti,ab,kw OR 'populations, middle class':ti,ab,kw OR caste:ti,ab,kw OR castes:ti,ab,kw OR socioeconomics:ti,ab,kw	83249
#1	'socioeconomics'/exp	1158697

18849 Results

Search Strategy in the Cochrane Library

Number	Query	Results
#15	#9 and #14	487
#14	#10 or #11 or #12 or #13	40860
#13	(Infarcts, Myocardial):ti,ab,kw OR (Myocardial Infarcts):ti,ab,kw OR (Heart Attack):ti,ab,kw OR (Heart Attacks):ti,ab,kw	4130
#12	(Cardiovascular Strokes):ti,ab,kw OR (Stroke, Cardiovascular):ti,ab,kw OR (Strokes, Cardiovascular):ti,ab,kw OR (Myocardial Infarct):ti,ab,kw OR (Infarct, Myocardial):ti,ab,kw	13960
#11	(myocardial infarction):ti,ab,kw OR (Infarction, Myocardial):ti,ab,kw OR (Infarctions, Myocardial):ti,ab,kw OR (Myocardial Infarctions):ti,ab,kw OR (Cardiovascular Stroke):ti,ab,kw	38306
#10	MeSH descriptor: [Myocardial Infarction] explode all trees	11661
#9	#1 or #2 or #3 or #4 or #5 or #6 or #7 or #8	24018
#8	(Caste):ti,ab,kw OR (Castes):ti,ab,kw	175
#7	(Class Population, Middle):ti,ab,kw OR (Class Populations, Middle):ti,ab,kw OR (Middle Class Populations):ti,ab,kw OR (Population, Middle Class):ti,ab,kw OR (Populations, Middle Class):ti,ab,kw	941
#6	(Classes, Social):ti,ab,kw OR (Social Classes):ti,ab,kw OR (Socioeconomic Status):ti,ab,kw OR (Status, Socioeconomic):ti,ab,kw OR (Middle Class Population):ti,ab,kw	6370
#5	(High-Income Populations):ti,ab,kw OR (Population, High-Income):ti,ab,kw OR (Social Class):ti,ab,kw OR (Populations, High-Income):ti,ab,kw OR (Class, Social):ti,ab,kw	2661

#4	(Inequalities, Social):ti,ab,kw OR (Inequality, Social):ti,ab,kw OR (Social Inequalities):ti,ab,kw OR (High-Income Population):ti,ab,kw OR (High Income Population):ti,ab,kw	1525
#3	(Living Standard):ti,ab,kw OR (Living Standards):ti,ab,kw OR (Land Tenure):ti,ab,kw OR (Tenure, Land):ti,ab,kw OR (Social Inequality):ti,ab,kw	5585
#2	(Socioeconomic Factors):ti,ab,kw OR (Factor, Socioeconomic):ti,ab,kw OR (Socioeconomic Factor):ti,ab,kw OR (Factors, Socioeconomic):ti,ab,kw OR (Standard of Living):ti,ab,kw	10540
#1	MeSH descriptor: [Socioeconomic Factors] explode all trees	10561

487 Results