

# Search Strategies

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## PubMed

#1 "Qualitative Research"[Mesh] OR "Focus Groups"[Mesh] OR "Interview"[Publication Type] OR "Interviews as Topic"[Mesh] OR "Narration"[Mesh] OR "Personal Narratives as Topic"[Mesh] OR "Grounded Theory"[Mesh] OR "Tape Recording"[Mesh] OR thematic analys\*[tiab] OR content analys\*[tiab] OR focus group\*[tiab] OR ethnograph\*[tiab] OR ethnograf\*[tiab] OR etnograf\*[tiab] OR field stud\*[tiab] OR phenomenolog\*[tiab] OR narration\*[tiab] OR narrative[tiab] OR qualitative stud\*[tiab] OR qualitative analys\*[tiab] OR qualitative research\*[tiab] OR qualitative method\*[tiab] OR multimethodolog\*[tiab] OR mixed method\*[tiab] OR grounded theory[tiab] OR audio recording\*[tiab] OR tape recording\*[tiab] OR audiotape\*[tiab] OR ((semi-structured[tiab] OR semistructured[tiab] OR unstructured[tiab] OR informal[tiab] OR in-depth[tiab] OR indepth[tiab] OR face-to-face[tiab] OR structured[tiab] OR guide\*[tiab])) AND (interview\*[tiab] OR discussion\*[tiab]))

#2 "insulin resistance"[MeSH] OR (insulin[tiab] AND (resistancy[tiab] OR resistance[tiab] OR resistant[tiab] OR sensitivity[tiab]))

#3 "Diabetes Mellitus, Type 2"[Mesh] OR ((diabetes[tiab] OR diabetic\*[tiab]) AND (non insulin depend\*[tiab] OR noninsulin depend\*[tiab] OR noninsulindepend\*[tiab] OR non insulindepend\*[tiab] OR maturity onset\*[tiab] OR adult onset\*[tiab] OR slow onset\*[tiab])) OR dm2[tiab] OR niddm[tiab] OR dm 2[tiab] OR t2d\*[tiab] OR dm type 2[tiab] OR type 2 diabet\*[tiab] OR dm type II[tiab] OR type two diabet\*[tiab] OR type II diabet\*[tiab] OR dm type II[tiab])

#4 "Metabolic Syndrome"[Mesh] OR "Glucose Intolerance"[Mesh] OR "Blood Glucose"[Mesh] OR "Hyperglycemia"[Mesh] OR "Glycated Hemoglobin A"[Mesh] OR "Diabetes Mellitus"[Mesh:NoExp] OR "Diabetes Mellitus, Type 2"[Mesh] OR "Prediabetic State"[Mesh] OR "Insulin Resistance"[Mesh] OR "Hyperinsulinism"[Mesh] OR "Blood Pressure"[Mesh] OR "Hypertension"[Mesh] OR "Arterial Pressure"[Mesh] OR "Triglycerides"[Mesh] OR "Cholesterol"[Mesh] OR "Lipoproteins, HDL"[Mesh] OR "Lipoproteins, LDL"[Mesh] OR "Lipoproteins, VLDL"[Mesh] OR "Lipoproteins, IDL"[Mesh] OR "Obesity, Abdominal"[Mesh] OR "Body Weight Changes"[Mesh] OR "Body Weights and Measures"[Mesh] OR "Dyslipidemias"[Mesh] OR "Waist Circumference"[Mesh] OR "Waist-Hip Ratio"[Mesh] OR "metabolic syndrome"[tiab] OR "glucose intoleran\*"[tiab] OR "glucose toleran\*"[tiab] OR "glucose dysregulation"[tiab] OR "igt"[tiab] OR "blood glucose"[tiab] OR "blood sugar"[tiab] OR "plasma glucose"[tiab] OR "glucose level\*"[tiab] OR "glucose blood"[tiab] OR "fasting glucose"[tiab] OR "hyperglycem\*"[tiab] OR "hyperglycaem\*"[tiab] OR "Hb A1c"[tiab] OR "HbA1c"[tiab] OR "Hemoglobin A1c"[tiab] OR "diabet\*"[tiab] OR "type 2 dm"[tiab] OR "type II dm"[tiab] OR "dm type 2"[tiab] OR "dm type II"[tiab] OR "NIDDM"[tiab] OR "IDDM"[tiab] OR "insulin resistanc\*"[tiab] OR "insulin sensitiv\*"[tiab] OR "insulin insensitiv\*"[tiab] OR "homa-ir"[tiab] OR "homa2"[tiab] OR "hyperinsulin\*"[tiab] OR "prediabet\*"[tiab] OR "blood pressure"[tiab] OR "diastolic pressure"[tiab] OR "systolic pressure"[tiab] OR "pulse pressure"[tiab] OR "arterial pressure"[tiab] OR "aortic pressure"[tiab] OR "hypertensi\*"[tiab] OR "triglyceride\*"[tiab] OR "triacylglycerol\*"[tiab] OR "triacylglycerol"[tiab] OR "triacytl-glycerol"[tiab] OR "trielaiddin"[tiab] OR "trioleoylglycerol"[tiab] OR "trioleyl glycerol"[tiab] OR "glycerol trioleate"[tiab] OR "trioleate-glycerin"[tiab] OR "hypertriglyceridemi\*"[tiab] OR "cholesterol"[tiab] OR "hdl"[tiab] OR "ldl"[tiab] OR "vldl"[tiab] OR "idl"[tiab] OR "density lipoprotein\*"[tiab] OR "hdl lipoprotein\*"[tiab] OR

"low density lipoprotein"[tiab] OR "high density lipoprotein"[tiab] OR "very low lipoprotein"[tiab] OR "obesity"[tiab] OR "obese"[tiab] OR "body mass index"[tiab] OR "bmi"[tiab] OR "body weight"[tiab] OR "body fat"[tiab] OR "adiposity"[tiab] OR "waist hip ratio"[tiab] OR "waist to hip"[tiab] OR "waist hip ratio"[tiab] OR "waist circumference"[tiab] OR "weight change"[tiab] OR "weight gain"[tiab] OR "weight loss"[tiab] OR "weight reduction"[tiab] OR "dyslipemia"[tiab] OR "dyslipidemia"[tiab] OR "dyslipaemia"[tiab] OR "dyslipidaemia"[tiab] OR "dyslipoprotein"[tiab] OR "hyperlipemia"[tiab] OR "hyperlipidemia"[tiab] OR "lipidemia"[tiab] OR "lipidaemia"[tiab] OR "lipemia"[tiab] OR "hypercholesterolemia"[tiab] OR "hypercholesteremia"[tiab] OR "hyperlipoproteinemia"[tiab] OR "hypoproteinemia"[tiab]

#5 "Cardiovascular Diseases"[Mesh] OR "Hyperlipidemias"[Mesh] OR "Cholesterol"[Mesh] OR "Stroke"[Mesh] OR cardiovascular disease\*[tiab] OR cvd[tiab] OR coronary disease\*[tiab] OR heart disease\*[tiab] OR atherosclerosis[tiab] OR arteriosclerosis[tiab] OR hypertension[tiab] OR blood pressure[tiab] OR cholesterol[tiab] OR stroke\*[tiab] OR peripheral vascular disease\*[tiab] OR peripheral arterial disease\*[tiab] OR hypercholesterol\*[tiab] OR hyperlipid\*[tiab]

#6 south east asia\*[tw] OR middle east\*[tw] OR Afghan\*[tw] OR Angola\*[tw] OR Algeria\*[tw] OR Albania\*[tw] OR Armenia\*[tw] OR Argentina\*[tw] OR Azerbaijan\*[tw] OR Bangladesh\*[tw] OR Belarus\*[tw] OR Benin\*[tw] OR Bhutan\*[tw] OR birma\*[tw] OR Boliv\*[tw] OR Botswana\*[tw] OR Bosnia\*[tw] OR Brazil\*[tw] OR Bulgaria\*[tw] OR Burkina Faso\*[tw] OR Burundi\*[tw] OR Cabo Verde\*[tw] OR Cambodia\*[tw] OR Cameroon\*[tw] OR Cape Verde\*[tw] OR Central Africa\*[tw] OR Chad\*[tw] OR China\*[tw] OR Chinese\*[tw] OR Colombia\*[tw] OR Comoros\*[tw] OR Congo\*[tw] OR Costa Rica\*[tw] OR Cote d'Ivoire\*[tw] OR Cuba\*[tw] OR Dominica\*[tw] OR Djibouti\*[tw] OR East Africa\*[tw] OR Eastern Africa\*[tw] OR Ecuador\*[tw] OR Egypt\*[tw] OR El Salvador\*[tw] OR Equatorial Guinea\*[tw] OR Eritrea\*[tw] OR Ethiopia\*[tw] OR Gabon\*[tw] OR Gambia\*[tw] OR Gaza\*[tw] OR Ghana\*[tw] OR Georgia\*[tw] OR Grenada\*[tw] OR Guatemala\*[tw] OR Guinea\*[tw] OR Guyana\*[tw] OR Haiti\*[tw] OR Honduras\*[tw] OR India\*[tw] OR Indonesia\*[tw] OR Iran\*[tw] OR Iraq\*[tw] OR Jamaica\*[tw] OR Jordan\*[tw] OR Ivory Coast\*[tw] OR Kazakhstan\*[tw] OR Kenya\*[tw] OR Kiribati\*[tw] OR Kosovo\*[tw] OR Kyrgyz\*[tw] OR Lao PDR\*[tw] OR Lesotho\*[tw] OR Lebanon\*[tw] OR Libya\*[tw] OR Liberia\*[tw] OR Macedonia\*[tw] OR Madagascar\*[tw] OR Malawi\*[tw] OR Mali\*[tw] OR Mauritania\*[tw] OR Malaysia\*[tw] OR Maldives\*[tw] OR Marshall\*[tw] OR Micronesia\*[tw] OR Mexico\*[tw] OR Moldova\*[tw] OR Mongolia\*[tw] OR Montenegro\*[tw] OR Morocco\*[tw] OR Mozambique\*[tw] OR Myanmar\*[tw] OR Namibia\*[tw] OR Nepal\*[tw] OR Nicaragua\*[tw] OR Niger\*[tw] OR northern Korea OR Pakistan\*[tw] OR Papua New Guinea\*[tw] OR Paraguay\*[tw] OR Peru\*[tw] OR Philippines\*[tw] OR Principe\*[tw] OR Republic of Korea\*[tw] OR Russia\*[tw] OR Rwanda\*[tw] OR Samoa\*[tw] OR Serbia\*[tw] OR Sao Tome\*[tw] OR Senegal\*[tw] OR Sierra Leone\*[tw] OR Solomon Islands\*[tw] OR Somalia\*[tw] OR South Africa\*[tw] OR "St. Lucia"[tw] OR "St. Vincent and the Grenadines"[tw] OR Suriname\*[tw] OR South Sudan\*[tw] OR Southern Africa\*[tw] OR Sri Lanka\*[tw] OR sub-Saharan Africa\*[tw] OR sub-Saharan Africa\*[tw] OR sub-Saharan Africa\*[tw] OR Sudan\*[tw] OR Swaziland\*[tw] OR Eswatini\*[tw] OR Syria\*[tw] OR Tajikistan\*[tw] OR Tanzania\*[tw] OR Thailand\*[tw] OR Timor\*[tw] OR Togo\*[tw] OR Tonga\*[tw] OR Tunisia\*[tw] OR Turkmenistan\*[tw] OR Tuvalu\*[tw] OR Uganda\*[tw] OR Ukraine\*[tw] OR Uzbekistan\*[tw] OR Vanuatu\*[tw] OR Venezuela\*[tw] OR Vietnam\*[tw] OR West Africa\*[tw] OR West Bank\*[tw] OR Western Africa\*[tw] OR Yemen\*[tw] OR Zaire\*[tw] OR Zambia\*[tw] OR Zimbabwe\*[tw] OR south east asia\*[ad] OR middle east\*[ad] OR

Afghan\*[ad] OR Angola\*[ad] OR Algeria\*[ad] OR Albania\*[ad] OR Armenia\*[ad] OR  
 Argentina\*[ad] OR Azerbaijan\*[ad] OR Bangladesh\*[ad] OR Belarus\*[ad] OR Benin\*[ad]  
 OR Bhutan\*[ad] OR birma\*[ad] OR Boliv\*[ad] OR Botswan\*[ad] OR Bosnia\*[ad] OR  
 Brazil\*[ad] OR Bulgaria\*[ad] OR Burkina Faso\*[ad] OR Burundi\*[ad] OR Cabo Verde\*[ad]  
 OR Cambod\*[ad] OR Cameroon\*[ad] OR Cape Verd\*[ad] OR Central Africa\*[ad] OR  
 Chad\*[ad] OR China\*[ad] OR Chinese\*[ad] OR Colombia\*[ad] OR Comoro\*[ad] OR  
 Congo\*[ad] OR Costa Rica\*[ad] OR Cote d'Ivoire\*[ad] OR Cuba\*[ad] OR Dominica\*[ad]  
 OR Djibouti\*[ad] OR East Africa\*[ad] OR Eastern Africa\*[ad] OR Ecuador\*[ad] OR  
 Egypt\*[ad] OR El Salvador\*[ad] OR Equatorial Guinea\*[ad] OR Eritre\*[ad] OR  
 Ethiopia\*[ad] OR Gabon\*[ad] OR Gambia\*[ad] OR Gaza\*[ad] OR Ghan\*[ad] OR  
 Georgia\*[ad] OR Grenada\*[ad] OR Guatemal\*[ad] OR Guinea\*[ad] OR Guyana\*[ad] OR  
 Haiti\*[ad] OR Hondur\*[ad] OR India\*[ad] OR Indones\*[ad] OR Iran\*[ad] OR Iraq\*[ad] OR  
 Jamaica\*[ad] OR Jordan\*[ad] OR Ivory Coast\*[ad] OR Kazakhstan\*[ad] OR Kenya\*[ad]  
 OR Kiribati\*[ad] OR Kosovo\*[ad] OR Kyrgyz\*[ad] OR Lao PDR\*[ad] OR Lesotho\*[ad] OR  
 Lebanon\*[ad] OR Libya\*[ad] OR Liberia\*[ad] OR Macedonia\*[ad] OR Madagascar\*[ad]  
 OR Malaw\*[ad] OR Mali\*[ad] OR Mauritan\*[ad] OR Malaysia\*[ad] OR Maldive\*[ad] OR  
 Marshall\*[ad] OR Micronesi\*[ad] OR Mexic\*[ad] OR Moldov\*[ad] OR Mongolia\*[ad] OR  
 Montenegr\*[ad] OR Morocc\*[ad] OR Mozambiqu\*[ad] OR Myanmar\*[ad] OR  
 Namibia\*[ad] OR Nepal\*[ad] OR Nicaragua\*[ad] OR Niger\*[ad] OR northern Korea OR  
 Pakistan\*[ad] OR Papua New Guinea\*[ad] OR Paraguay\*[ad] OR Peru\*[ad] OR  
 Philippine\*[ad] OR Principe\*[ad] OR Republic of korea\*[ad] OR Russia\*[ad] OR  
 Rwanda\*[ad] OR Samoa\*[ad] OR Serbia\*[ad] OR Sao Tome\*[ad] OR Senegal\*[ad] OR  
 Sierra Leone\*[ad] OR Solomon Islands\*[ad] OR Somalia\*[ad] OR South Africa\*[ad] OR  
 “St. Lucia”\*[ad] OR “St. Vincent and the Grenadines”\*[ad] OR Surinam\*[ad] OR South  
 Sudan\*[ad] OR Southern Africa\*[ad] OR Sri Lanka\*[ad] OR sub Saharan Africa\*[ad] OR  
 subSaharan Africa\*[ad] OR sub-Saharan Africa\*[ad] OR Sudan\*[ad] OR Swaziland\*[ad] OR  
 Eswatini\*[ad] OR Syria\*[ad] OR Tajikist\*[ad] OR Tanzan\*[ad] OR Thai\*[ad] OR  
 Timor\*[ad] OR Togo\*[ad] OR Tonga\*[ad] OR Tunis\*[ad] OR Turk\*[ad] OR Tuvalu\*[ad]  
 OR Ugand\*[ad] OR Ukrain\*[ad] OR Uzbekistan\*[ad] OR Vanuatu\*[ad] OR Venezuel\*[ad]  
 OR Vietnam\*[ad] OR West Africa\*[ad] OR West Bank\*[ad] OR Western Africa\*[ad] OR  
 Yemen\*[ad] OR Zaire\*[ad] OR Zambia\*[ad] OR Zimbabw\*[ad]

#7 "physical activit\*"[tiab] OR "physical activit\*"[keyword]

**#1 AND (#2 OR #3 OR #4 OR #5) AND #6 AND #7**

## Scopus

#1 TITLE-ABS-KEY ( "Thematic analys\*" OR "content analys\*" OR "focus group" \* OR ethnograph\* OR ethnograf\* OR etnograf\* OR "field stud\*" OR phenomenolog\* OR narration\* OR narrative OR "qualitative stud\*" OR "qualitative analys\*" OR "qualitative research\*" OR "qualitative method\*" OR multimethodolog\* OR "mixed method\*" OR "grounded theory" OR "audio recording\*" OR "tape recording\*" OR audiotape\* OR ( ( semi-structured OR semistructured OR unstructured OR informal OR in-depth OR indepth OR face-to-face OR structured OR guide\* ) AND ( interview\* OR discussion\* ) ) )

#2 TITLE-ABS-KEY(insulin AND (resistancy OR resistance OR resistant OR sensitivity))

#3 TITLE-ABS-KEY((((diabetes OR diabetic\*) AND ("non insulin depend\*" OR "noninsulin depend\*" OR noninsulindepend\* OR "non insulindepend\*" OR "maturity onset\*" OR "adult onset\*" OR "slow onset\*")) OR dm2 OR niddm OR "dm 2" OR t2d\* OR "dm type 2" OR "type 2 diabet\*" OR "dm type II" OR "type two diabet\*" OR "type II diabet\*" OR "dm type II")

#4 TITLE-ABS-KEY("metabolic syndrome" OR "glucose intoleran\*" OR "glucose toleran\*" OR "glucose dysregulation" OR "igt" OR "blood glucose" OR "blood sugar" OR "plasma glucose" OR "glucose level\*" OR "glucose blood" OR "fasting glucose" OR "hyperglycem\*" OR "hyperglycaem\*" OR "Hb A1c" OR "HbA1c" OR "Hemoglobin A1c" OR "homa-ir" OR "homa2" OR "hyperinsulin\*" OR "prediabet\*" OR "blood pressure" OR "diastolic pressure" OR "systolic pressure" OR "pulse pressure" OR "arterial pressure" OR "aortic pressure" OR "hypertensi\*" OR "triglyceride\*" OR "triacylglycerol\*" OR "triacylglycerol" OR "triacytl-glycerol" OR "trielaidin" OR "trioleoylglycerol" OR "trioleyl glycerol" OR "glycerol trioleate" OR "trioleate-glycerin" OR "hypertriglyceridemi\*" OR "cholesterol" OR "hdl" OR "ldl" OR "vldl" OR "idl" OR "density lipoprotein\*" OR "hdl lipoprotein\*" OR "low density lipoprotein\*" OR "high density lipoprotein\*" OR "very low lipoprotein\*" OR "obesit\*" OR "obese\*" OR "body mass index" OR "bmi" OR "body weight" OR "body fat\*" OR "adiposit\*" OR "waist hip ratio\*" OR "waist to hip\*" OR "waist hip ratio\*" OR "waist circumference\*" OR "weight change\*" OR "weight gain\*" OR "weight loss\*" OR "weight reduction\*" OR "dyslipem\*" OR "dyslipidem\*" OR "dyslipaem\*" OR "dyslipidaem\*" OR "dyslipoprotein\*" OR "hyperlipemi\*" OR "hyperlipid\*" OR "lipidemi\*" OR "lipidaemi\*" OR "lipemi\*" OR "hypercholesterolemi\*" OR "hypercholesteremi\*" OR "hyperlipoproteinemi\*" OR "hypoprebetalipoproteinemi\*")

#5 TITLE-ABS-KEY("cardiovascular disease\*" OR cvd OR "coronary disease\*" OR "heart disease\*" OR atherosclerosis OR arteriosclerosis OR hypertension OR "blood pressure" OR cholesterol OR stroke\* OR "peripheral vascular disease\*" OR "peripheral arterial disease\*")

#6 TITLE-ABS-KEY("south east asia\*" OR "middle east\*" OR Afghan\* OR Angola\* OR Algeria\* OR Albania\* OR Armenia\* OR Argentina\* OR Azerbaijan\* OR Bangladesh\* OR Belarus\* OR Benin\* OR Bhutan\* OR birma\* OR Boliv\* OR Botswan\* OR Bosnia\* OR Brazil\* OR Bulgaria\* OR "Burkina Faso\*" OR Burundi\* OR "Cabo Verde\*" OR Cambod\* OR Cameroon\* OR "Cape Verd\*" OR "Central Africa\*" OR Chad\* OR China\* OR Chinese\* OR Colombia\* OR Comoro\* OR Congo\* OR "Costa Rica\*" OR "Cote d'Ivoire\*")

OR Cuba\* OR Dominica\* OR Djibouti\* OR "East Africa\*" OR "Eastern Africa\*" OR Ecuador\* OR Egypt\* OR "El Salvador\*" OR "Equatorial Guinea\*" OR Eritre\* OR Ethiopia\* OR Gabon\* OR Gambia\* OR Gaza\* OR Ghan\* OR Georgia\* OR Grenada\* OR Guatemal\* OR Guinea\* OR Guyana\* OR Haiti\* OR Hondur\* OR India\* OR Indones\* OR Iran\* OR Iraq\* OR Jamaica\* OR Jordan\* OR "Ivory Coast\*" OR Kazakhstan\* OR Kenya\* OR Kiribati\* OR Kosovo\* OR Kyrgyz\* OR "Lao PDR\*" OR Lesotho\* OR Lebanon\* OR Libya\* OR Liberia\* OR Macedonia\* OR Madagascar\* OR Malaw\* OR Mali OR Mauritan\* OR Malaysia\* OR Maldive\* OR Marshall\* OR Micronesi\* OR Mexic\* OR Moldov\* OR Mongolia\* OR Montenegr\* OR Morocc\* OR Mozambiqu\* OR Myanmar\* OR Namibia\* OR Nepal\* OR Nicaragua\* OR Niger\* OR "northern Korea" OR Pakistan\* OR "Papua New Guinea\*" OR Paraguay\* OR Peru\* OR Philippine\* OR Principe\* OR "Republic of korea\*" OR Russia\* OR Rwanda\* OR Samoa\* OR Serbia\* OR "Sao Tome\*" OR Senegal\* OR "Sierra Leone\*" OR "Solomon Islands\*" OR Somalia\* OR "South Africa\*" OR "St. Lucia" OR "St. Vincent and the Grenadines" OR Surinam\* OR "South Sudan\*" OR "Southern Africa\*" OR "Sri Lanka\*" OR "sub Saharan Africa\*" OR "subSaharan Africa\*" OR "sub-Saharan Africa\*" OR Sudan\* OR Swaziland\* OR Eswatini\* OR Syria\* OR Tajikist\* OR Tanzan\* OR Thai\* OR Timor\* OR Togo\* OR Tonga\* OR Tunis\* OR Turk\* OR Tuvalu\* OR Ugand\* OR Ukrain\* OR Uzbekistan\* OR Vanuatu\* OR Venezuel\* OR Vietnam\* OR "West Africa\*" OR "West Bank\*" OR "Western Africa\*" OR Yemen\* OR Zaire\* OR Zambia\* OR Zimbabw\*) OR AFFILCOUNTRY("south east asia\*" OR "middle east\*" OR Afghan\* OR Angola\* OR Algeria\* OR Albania\* OR Armenia\* OR Argentina\* OR Azerbaijan\* OR Bangladesh\* OR Belarus\* OR Benin\* OR Bhutan\* OR birma\* OR Boliv\* OR Botswan\* OR Bosnia\* OR Brazil\* OR Bulgaria\* OR "Burkina Faso\*" OR Burundi\* OR "Cabo Verde\*" OR Cambod\* OR Cameroon\* OR "Cape Verd\*" OR "Central Africa\*" OR Chad\* OR China\* OR Chinese\* OR Colombia\* OR Comoro\* OR Congo\* OR "Costa Rica\*" OR "Cote d'Ivoire\*" OR Cuba\* OR Dominica\* OR Djibouti\* OR "East Africa\*" OR "Eastern Africa\*" OR Ecuador\* OR Egypt\* OR "El Salvador\*" OR "Equatorial Guinea\*" OR Eritre\* OR Ethiopia\* OR Gabon\* OR Gambia\* OR Gaza\* OR Ghan\* OR Georgia\* OR Grenada\* OR Guatemal\* OR Guinea\* OR Guyana\* OR Haiti\* OR Hondur\* OR India\* OR Indones\* OR Iran\* OR Iraq\* OR Jamaica\* OR Jordan\* OR "Ivory Coast\*" OR Kazakhstan\* OR Kenya\* OR Kiribati\* OR Kosovo\* OR Kyrgyz\* OR "Lao PDR\*" OR Lesotho\* OR Lebanon\* OR Libya\* OR Liberia\* OR Macedonia\* OR Madagascar\* OR Malaw\* OR Mali OR Mauritan\* OR Malaysia\* OR Maldive\* OR Marshall\* OR Micronesi\* OR Mexic\* OR Moldov\* OR Mongolia\* OR Montenegr\* OR Morocc\* OR Mozambiqu\* OR Myanmar\* OR Namibia\* OR Nepal\* OR Nicaragua\* OR Niger\* OR "northern Korea" OR Pakistan\* OR "Papua New Guinea\*" OR Paraguay\* OR Peru\* OR Philippine\* OR Principe\* OR "Republic of korea\*" OR Russia\* OR Rwanda\* OR Samoa\* OR Serbia\* OR "Sao Tome\*" OR Senegal\* OR "Sierra Leone\*" OR "Solomon Islands\*" OR Somalia\* OR "South Africa\*" OR "St. Lucia" OR "St. Vincent and the Grenadines" OR Surinam\* OR "South Sudan\*" OR "Southern Africa\*" OR "Sri Lanka\*" OR "sub Saharan Africa\*" OR "subSaharan Africa\*" OR "sub-Saharan Africa\*" OR Sudan\* OR Swaziland\* OR Eswatini\* OR Syria\* OR Tajikist\* OR Tanzan\* OR Thai\* OR Timor\* OR Togo\* OR Tonga\* OR Tunis\* OR Turk\* OR Tuvalu\* OR Ugand\* OR Ukrain\* OR Uzbekistan\* OR Vanuatu\* OR Venezuel\* OR Vietnam\* OR "West Africa\*" OR "West Bank\*" OR "Western Africa\*" OR Yemen\* OR Zaire\* OR Zambia\* OR Zimbabw\*)

TITLE-ABS-KEY("physical activit\*")

**#1 AND (#2 OR #3 OR #4 OR #5) AND #6 AND #7**

## Web of Science

!

#1 (TS=(( "Thematic analys\*" OR "content analys\*" OR "focus group" \* OR ethnograph\* OR ethnograf\* OR etnograf\* OR "field stud\*" OR phenomenolog\* OR narration\* OR narrative OR "qualitative stud\*" OR "qualitative analys\*" OR "qualitative research\*" OR "qualitative method\*" OR multimethodolog\* OR "mixed method\*" OR "grounded theory" OR "audio recording\*" OR "tape recording\*" OR audiotape\* OR ( ( semi-structured OR semistructured OR unstructured OR informal OR in-depth OR indepth OR face-to-face OR structured OR guide\* ) AND ( interview\* OR discussion\* ) ) )) OR (AK=(( "Thematic analys\*" OR "content analys\*" OR "focus group" \* OR ethnograph\* OR ethnograf\* OR etnograf\* OR "field stud\*" OR phenomenolog\* OR narration\* OR narrative OR "qualitative stud\*" OR "qualitative analys\*" OR "qualitative research\*" OR "qualitative method\*" OR multimethodolog\* OR "mixed method\*" OR "grounded theory" OR "audio recording\*" OR "tape recording\*" OR audiotape\* OR ( ( semi-structured OR semistructured OR unstructured OR informal OR in-depth OR indepth OR face-to-face OR structured OR guide\* ) AND ( interview\* OR discussion\* ) ) )) OR (AB=(( "Thematic analys\*" OR "content analys\*" OR "focus group" \* OR ethnograph\* OR ethnograf\* OR etnograf\* OR "field stud\*" OR phenomenolog\* OR narration\* OR narrative OR "qualitative stud\*" OR "qualitative analys\*" OR "qualitative research\*" OR "qualitative method\*" OR multimethodolog\* OR "mixed method\*" OR "grounded theory" OR "audio recording\*" OR "tape recording\*" OR audiotape\* OR ( ( semi-structured OR semistructured OR unstructured OR informal OR in-depth OR indepth OR face-to-face OR structured OR guide\* ) AND ( interview\* OR discussion\* ) ) ))

#2 TI=(insulin AND (resistancy OR resistance OR resistant OR sensitivity)) OR AB=((insulin AND (resistancy OR resistance OR resistant OR sensitivity))) OR AK=((insulin AND (resistancy OR resistance OR resistant OR sensitivity)))

#3 TI((((diabetes OR diabetic\*) AND ("non insulin depend\*" OR "noninsulin depend\*" OR noninsulindepend\* OR "non insulindepend\*" OR "maturity onset\*" OR "adult onset\*" OR "slow onset\*")) OR dm2 OR niddm OR "dm 2" OR t2d\* OR "dm type 2" OR "type 2 diabet\*" OR "dm type II" OR "type two diabet\*" OR "type II diabet\*" OR "dm type II")) OR AB((((diabetes OR diabetic\*) AND ("non insulin depend\*" OR "noninsulin depend\*" OR noninsulindepend\* OR "non insulindepend\*" OR "maturity onset\*" OR "adult onset\*" OR "slow onset\*")) OR dm2 OR niddm OR "dm 2" OR t2d\* OR "dm type 2" OR "type 2 diabet\*" OR "dm type II" OR "type two diabet\*" OR "type II diabet\*" OR "dm type II")) OR AK((((diabetes OR diabetic\*) AND ("non insulin depend\*" OR "noninsulin depend\*" OR noninsulindepend\* OR "non insulindepend\*" OR "maturity onset\*" OR "adult onset\*" OR "slow onset\*")) OR dm2 OR niddm OR "dm 2" OR t2d\* OR "dm type 2" OR "type 2 diabet\*" OR "dm type II" OR "type two diabet\*" OR "type II diabet\*" OR "dm type II"))

#4 TI(("metabolic syndrome" OR "glucose intoleran\*" OR "glucose toleran\*" OR "glucose dysregulation" OR "igt" OR "blood glucose" OR "blood sugar" OR "plasma glucose" OR "glucose level\*" OR "glucose blood" OR "fasting glucose" OR "hyperglycem\*" OR "hyperglycaem\*" OR "Hb A1c" OR "HbA1c" OR "Hemoglobin A1c" OR "homa-ir" OR "homa2" OR "hyperinsulin\*" OR "prediabet\*" OR "blood pressure" OR "diastolic pressure" OR "systolic pressure" OR "pulse pressure" OR "arterial pressure" OR "aortic pressure" OR "hypertensi\*" OR "triglyceride\*" OR "triacylglycerol" OR "triacylglycerol" OR "triacyl-glycerol" OR "trielaidin" OR "trioleoylglycerol" OR "trioleyl glycerol" OR "glycerol

trioleate" OR "trioleate-glycerin" OR "hypertriglyceridemi\*" OR "cholesterol" OR "hdl" OR "ldl" OR "vldl" OR "idl" OR "density lipoprotein\*" OR "hdl lipoprotein\*" OR "low density lipoprotein\*" OR "high density lipoprotein\*" OR "very low lipoprotein\*" OR "obesit\*" OR "obese\*" OR "body mass index" OR "bmi" OR "body weight" OR "body fat\*" OR "adiposit\*" OR "waist hip ratio\*" OR "waist to hip\*" OR "waist hip ratio\*" OR "waist circumference\*" OR "weight change\*" OR "weight gain\*" OR "weight loss\*" OR "weight reduction\*" OR "dyslipem\*" OR "dyslipidem\*" OR "dyslipaem\*" OR "dyslipidaem\*" OR "dyslipoprotein\*" OR "hyperlipemi\*" OR "hyperlipid\*" OR "lipidemi\*" OR "lipidaemi\*" OR "lipemi\*" OR "hypercholesterolemi\*" OR "hypercholesteremi\*" OR "hyperlipoproteinemi\*" OR "hypoprebetalipoproteinemi\*")) OR AB=((("metabolic syndrome" OR "glucose intoleran\*" OR "glucose toleran\*" OR "glucose dysregulation" OR "igt" OR "blood glucose" OR "blood sugar" OR "plasma glucose" OR "glucose level\*" OR "glucose blood" OR "fasting glucose" OR "hyperglycem\*" OR "hyperglycaem\*" OR "Hb A1c" OR "HbA1c" OR "Hemoglobin A1c" OR "homa-ir" OR "homa2" OR "hyperinsulin\*" OR "prediabet\*" OR "blood pressure" OR "diastolic pressure" OR "systolic pressure" OR "pulse pressure" OR "arterial pressure" OR "aortic pressure" OR "hypertensi\*" OR "triglyceride\*" OR "triacylglycerol\*" OR "triacylglycerol" OR "triacytl-glycerol" OR "trielaidin" OR "trioleoylglycerol" OR "trioleyl glycerol" OR "glycerol trioate" OR "trioleate-glycerin" OR "hypertriglyceridemi\*" OR "cholesterol" OR "hdl" OR "ldl" OR "vldl" OR "idl" OR "density lipoprotein\*" OR "hdl lipoprotein\*" OR "low density lipoprotein\*" OR "high density lipoprotein\*" OR "very low lipoprotein\*" OR "obesit\*" OR "obese\*" OR "body mass index" OR "bmi" OR "body weight" OR "body fat\*" OR "adiposit\*" OR "waist hip ratio\*" OR "waist to hip\*" OR "waist hip ratio\*" OR "waist circumference\*" OR "weight change\*" OR "weight gain\*" OR "weight loss\*" OR "weight reduction\*" OR "dyslipem\*" OR "dyslipidem\*" OR "dyslipaem\*" OR "dyslipidaem\*" OR "dyslipoprotein\*" OR "hyperlipemi\*" OR "hyperlipid\*" OR "lipidemi\*" OR "lipidaemi\*" OR "lipemi\*" OR "hypercholesterolemi\*" OR "hypercholesteremi\*" OR "hyperlipoproteinemi\*" OR "hypoprebetalipoproteinemi\*")) OR AK=((("metabolic syndrome" OR "glucose intoleran\*" OR "glucose toleran\*" OR "glucose dysregulation" OR "igt" OR "blood glucose" OR "blood sugar" OR "plasma glucose" OR "glucose level\*" OR "glucose blood" OR "fasting glucose" OR "hyperglycem\*" OR "hyperglycaem\*" OR "Hb A1c" OR "HbA1c" OR "Hemoglobin A1c" OR "homa-ir" OR "homa2" OR "hyperinsulin\*" OR "prediabet\*" OR "blood pressure" OR "diastolic pressure" OR "systolic pressure" OR "pulse pressure" OR "arterial pressure" OR "aortic pressure" OR "hypertensi\*" OR "triglyceride\*" OR "triacylglycerol\*" OR "triacylglycerol" OR "triacytl-glycerol" OR "trielaidin" OR "trioleoylglycerol" OR "trioleyl glycerol" OR "glycerol trioate" OR "trioleate-glycerin" OR "hypertriglyceridemi\*" OR "cholesterol" OR "hdl" OR "ldl" OR "vldl" OR "idl" OR "density lipoprotein\*" OR "hdl lipoprotein\*" OR "low density lipoprotein\*" OR "high density lipoprotein\*" OR "very low lipoprotein\*" OR "obesit\*" OR "obese\*" OR "body mass index" OR "bmi" OR "body weight" OR "body fat\*" OR "adiposit\*" OR "waist hip ratio\*" OR "waist to hip\*" OR "waist hip ratio\*" OR "waist circumference\*" OR "weight change\*" OR "weight gain\*" OR "weight loss\*" OR "weight reduction\*" OR "dyslipem\*" OR "dyslipidem\*" OR "dyslipaem\*" OR "dyslipidaem\*" OR "dyslipoprotein\*" OR "hyperlipemi\*" OR "hyperlipid\*" OR "lipidemi\*" OR "lipidaemi\*" OR "lipemi\*" OR "hypercholesterolemi\*" OR "hypercholesteremi\*" OR "hyperlipoproteinemi\*" OR "hypoprebetalipoproteinemi\*"))

#5 TI=((("cardiovascular disease\*" OR cvd OR "coronary disease\*" OR "heart disease\*" OR atherosclerosis OR arteriosclerosis OR hypertension OR "blood pressure" OR cholesterol OR stroke\* OR "peripheral vascular disease\*" OR "peripheral arterial disease\*")) OR



AB=(("cardiovascular disease\*" OR cvd OR "coronary disease\*" OR "heart disease\*" OR atherosclerosis OR arteriosclerosis OR hypertension OR "blood pressure" OR cholesterol OR stroke\* OR "peripheral vascular disease\*" OR "peripheral arterial disease\*")) OR  
 AK=(("cardiovascular disease\*" OR cvd OR "coronary disease\*" OR "heart disease\*" OR atherosclerosis OR arteriosclerosis OR hypertension OR "blood pressure" OR cholesterol OR stroke\* OR "peripheral vascular disease\*" OR "peripheral arterial disease\*"))

#6 TI=(("south east asia\*" OR "middle east\*" OR Afghan\* OR Angola\* OR Algeria\* OR Albania\* OR Armenia\* OR Argentina\* OR Azerbaijan\* OR Bangladesh\* OR Belarus\* OR Benin\* OR Bhutan\* OR birma\* OR Boliv\* OR Botswan\* OR Bosnia\* OR Brazil\* OR Bulgaria\* OR "Burkina Faso\*" OR Burundi\* OR "Cabo Verde\*" OR Cambod\* OR Cameroon\* OR "Cape Verd\*" OR "Central Africa\*" OR Chad\* OR China\* OR Chinese\* OR Colombia\* OR Comoro\* OR Congo\* OR "Costa Rica\*" OR "Cote d'Ivoire\*" OR Cuba\* OR Dominica\* OR Djibouti\* OR "East Africa\*" OR "Eastern Africa\*" OR Ecuador\* OR Egypt\* OR "El Salvador\*" OR "Equatorial Guinea\*" OR Eritre\* OR Ethiopia\* OR Gabon\* OR Gambia\* OR Gaza\* OR Ghan\* OR Georgia\* OR Grenada\* OR Guatemal\* OR Guinea\* OR Guyana\* OR Haiti\* OR Hondur\* OR India\* OR Indones\* OR Iran\* OR Iraq\* OR Jamaica\* OR Jordan\* OR "Ivory Coast\*" OR Kazakhstan\* OR Kenya\* OR Kiribati\* OR Kosovo\* OR Kyrgyz\* OR "Lao PDR\*" OR Lesotho\* OR Lebanon\* OR Libya\* OR Liberia\* OR Macedonia\* OR Madagascar\* OR Malaw\* OR Mali OR Mauritan\* OR Malaysia\* OR Maldive\* OR Marshall\* OR Micronesi\* OR Mexic\* OR Moldov\* OR Mongolia\* OR Monteneg\* OR Morocc\* OR Mozambiqu\* OR Myanmar\* OR Namibia\* OR Nepal\* OR Nicaragua\* OR Niger\* OR "northern Korea" OR Pakistan\* OR "Papua New Guinea\*" OR Paraguay\* OR Peru\* OR Philippine\* OR Principe\* OR "Republic of korea\*" OR Russia\* OR Rwanda\* OR Samoa\* OR Serbia\* OR "Sao Tome\*" OR Senegal\* OR "Sierra Leone\*" OR "Solomon Islands\*" OR Somalia\* OR "South Africa\*" OR "St. Lucia" OR "St. Vincent and the Grenadines" OR Surinam\* OR "South Sudan\*" OR "Southern Africa\*" OR "Sri Lanka\*" OR "sub Saharan Africa\*" OR "subSaharan Africa\*" OR "sub-Saharan Africa\*" OR Sudan\* OR Swaziland\* OR Eswatini\* OR Syria\* OR Tajikist\* OR Tanzan\* OR Thai\* OR Timor\* OR Togo\* OR Tonga\* OR Tunis\* OR Turk\* OR Tuvalu\* OR Ugand\* OR Ukrain\* OR Uzbekistan\* OR Vanuatu\* OR Venezuel\* OR Vietnam\* OR "West Africa\*" OR "West Bank\*" OR "Western Africa\*" OR Yemen\* OR Zaire\* OR Zambia\* OR Zimbabw\*) OR  
 AFFILCOUNTRY(("south east asia\*" OR "middle east\*" OR Afghan\* OR Angola\* OR Algeria\* OR Albania\* OR Armenia\* OR Argentina\* OR Azerbaijan\* OR Bangladesh\* OR Belarus\* OR Benin\* OR Bhutan\* OR birma\* OR Boliv\* OR Botswan\* OR Bosnia\* OR Brazil\* OR Bulgaria\* OR "Burkina Faso\*" OR Burundi\* OR "Cabo Verde\*" OR Cambod\* OR Cameroon\* OR "Cape Verd\*" OR "Central Africa\*" OR Chad\* OR China\* OR Chinese\* OR Colombia\* OR Comoro\* OR Congo\* OR "Costa Rica\*" OR "Cote d'Ivoire\*" OR Cuba\* OR Dominica\* OR Djibouti\* OR "East Africa\*" OR "Eastern Africa\*" OR Ecuador\* OR Egypt\* OR "El Salvador\*" OR "Equatorial Guinea\*" OR Eritre\* OR Ethiopia\* OR Gabon\* OR Gambia\* OR Gaza\* OR Ghan\* OR Georgia\* OR Grenada\* OR Guatemal\* OR Guinea\* OR Guyana\* OR Haiti\* OR Hondur\* OR India\* OR Indones\* OR Iran\* OR Iraq\* OR Jamaica\* OR Jordan\* OR "Ivory Coast\*" OR Kazakhstan\* OR Kenya\* OR Kiribati\* OR Kosovo\* OR Kyrgyz\* OR "Lao PDR\*" OR Lesotho\* OR Lebanon\* OR Libya\* OR Liberia\* OR Macedonia\* OR Madagascar\* OR Malaw\* OR Mali OR Mauritan\* OR Malaysia\* OR Maldive\* OR Marshall\* OR Micronesi\* OR Mexic\* OR Moldov\* OR Mongolia\* OR Monteneg\* OR Morocc\* OR Mozambiqu\* OR Myanmar\* OR Namibia\* OR Nepal\* OR Nicaragua\* OR Niger\* OR "northern Korea" OR Pakistan\* OR "Papua New Guinea\*" OR Paraguay\* OR Peru\* OR Philippine\* OR Principe\* OR "Republic of korea\*" OR Russia\* OR Rwanda\* OR Samoa\* OR Serbia\* OR "Sao Tome\*" OR Senegal\* OR

"Sierra Leone\*" OR "Solomon Islands\*" OR Somalia\* OR "South Africa\*" OR "St. Lucia"  
OR "St. Vincent and the Grenadines" OR Surinam\* OR "South Sudan\*" OR "Southern  
Africa\*" OR "Sri Lanka\*" OR "sub Saharan Africa\*" OR "subSaharan Africa\*" OR "sub-  
Saharan Africa\*" OR Sudan\* OR Swaziland\* OR Eswatini\* OR Syria\* OR Tajikist\* OR  
Tanzan\* OR Thai\* OR Timor\* OR Togo\* OR Tonga\* OR Tunis\* OR Turk\* OR Tuvalu\*  
OR Ugand\* OR Ukrain\* OR Uzbekistan\* OR Vanuatu\* OR Venezuel\* OR Vietnam\* OR  
"West Africa\*" OR "West Bank\*" OR "Western Africa\*" OR Yemen\* OR Zaire\* OR  
Zambia\* OR Zimbabw\*) OR AB=(("south east asia\*" OR "middle east\*" OR Afghan\* OR  
Angola\* OR Algeria\* OR Albania\* OR Armenia\* OR Argentina\* OR Azerbaijan\* OR  
Bangladesh\* OR Belarus\* OR Benin\* OR Bhutan\* OR birma\* OR Boliv\* OR Botswan\* OR  
Bosnia\* OR Brazil\* OR Bulgaria\* OR "Burkina Faso\*" OR Burundi\* OR "Cabo Verde\*"  
OR Cambod\* OR Cameroon\* OR "Cape Verd\*" OR "Central Africa\*" OR Chad\* OR  
China\* OR Chinese\* OR Colombia\* OR Comoro\* OR Congo\* OR "Costa Rica\*" OR "Cote  
d'Ivoire\*" OR Cuba\* OR Dominica\* OR Djibouti\* OR "East Africa\*" OR "Eastern Africa\*"  
OR Ecuador\* OR Egypt\* OR "El Salvador\*" OR "Equatorial Guinea\*" OR Eritre\* OR  
Ethiopia\* OR Gabon\* OR Gambia\* OR Gaza\* OR Ghan\* OR Georgia\* OR Grenada\* OR  
Guatemal\* OR Guinea\* OR Guyana\* OR Haiti\* OR Hondur\* OR India\* OR Indones\* OR  
Iran\* OR Iraq\* OR Jamaica\* OR Jordan\* OR "Ivory Coast\*" OR Kazakhstan\* OR Kenya\*  
OR Kiribati\* OR Kosovo\* OR Kyrgyz\* OR "Lao PDR\*" OR Lesotho\* OR Lebanon\* OR  
Libya\* OR Liberia\* OR Macedonia\* OR Madagascar\* OR Malaw\* OR Mali OR Mauritan\*  
OR Malaysia\* OR Maldive\* OR Marshall\* OR Micronesi\* OR Mexic\* OR Moldov\* OR  
Mongolia\* OR Montenegr\* OR Morocc\* OR Mozambiqu\* OR Myanmar\* OR Namibia\*  
OR Nepal\* OR Nicaragua\* OR Niger\* OR "northern Korea" OR Pakistan\* OR "Papua New  
Guinea\*" OR Paraguay\* OR Peru\* OR Philippine\* OR Principe\* OR "Republic of korea\*"  
OR Russia\* OR Rwanda\* OR Samoa\* OR Serbia\* OR "Sao Tome\*" OR Senegal\* OR  
"Sierra Leone\*" OR "Solomon Islands\*" OR Somalia\* OR "South Africa\*" OR "St. Lucia"  
OR "St. Vincent and the Grenadines" OR Surinam\* OR "South Sudan\*" OR "Southern  
Africa\*" OR "Sri Lanka\*" OR "sub Saharan Africa\*" OR "subSaharan Africa\*" OR "sub-  
Saharan Africa\*" OR Sudan\* OR Swaziland\* OR Eswatini\* OR Syria\* OR Tajikist\* OR  
Tanzan\* OR Thai\* OR Timor\* OR Togo\* OR Tonga\* OR Tunis\* OR Turk\* OR Tuvalu\*  
OR Ugand\* OR Ukrain\* OR Uzbekistan\* OR Vanuatu\* OR Venezuel\* OR Vietnam\* OR  
"West Africa\*" OR "West Bank\*" OR "Western Africa\*" OR Yemen\* OR Zaire\* OR  
Zambia\* OR Zimbabw\*) OR AFFILCOUNTRY("south east asia\*" OR "middle east\*" OR  
Afghan\* OR Angola\* OR Algeria\* OR Albania\* OR Armenia\* OR Argentina\* OR  
Azerbaijan\* OR Bangladesh\* OR Belarus\* OR Benin\* OR Bhutan\* OR birma\* OR Boliv\*  
OR Botswan\* OR Bosnia\* OR Brazil\* OR Bulgaria\* OR "Burkina Faso\*" OR Burundi\* OR  
"Cabo Verde\*" OR Cambod\* OR Cameroon\* OR "Cape Verd\*" OR "Central Africa\*" OR  
Chad\* OR China\* OR Chinese\* OR Colombia\* OR Comoro\* OR Congo\* OR "Costa  
Rica\*" OR "Cote d'Ivoire\*" OR Cuba\* OR Dominica\* OR Djibouti\* OR "East Africa\*" OR  
"Eastern Africa\*" OR Ecuador\* OR Egypt\* OR "El Salvador\*" OR "Equatorial Guinea\*"  
OR Eritre\* OR Ethiopia\* OR Gabon\* OR Gambia\* OR Gaza\* OR Ghan\* OR Georgia\* OR  
Grenada\* OR Guatemal\* OR Guinea\* OR Guyana\* OR Haiti\* OR Hondur\* OR India\* OR  
Indones\* OR Iran\* OR Iraq\* OR Jamaica\* OR Jordan\* OR "Ivory Coast\*" OR Kazakhstan\*  
OR Kenya\* OR Kiribati\* OR Kosovo\* OR Kyrgyz\* OR "Lao PDR\*" OR Lesotho\* OR  
Lebanon\* OR Libya\* OR Liberia\* OR Macedonia\* OR Madagascar\* OR Malaw\* OR Mali  
OR Mauritan\* OR Malaysia\* OR Maldive\* OR Marshall\* OR Micronesi\* OR Mexic\* OR  
Moldov\* OR Mongolia\* OR Montenegr\* OR Morocc\* OR Mozambiqu\* OR Myanmar\* OR  
Namibia\* OR Nepal\* OR Nicaragua\* OR Niger\* OR "northern Korea" OR Pakistan\* OR  
"Papua New Guinea\*" OR Paraguay\* OR Peru\* OR Philippine\* OR Principe\* OR "Republic  
of korea\*" OR Russia\* OR Rwanda\* OR Samoa\* OR Serbia\* OR "Sao Tome\*" OR

Senegal\* OR "Sierra Leone\*" OR "Solomon Islands\*" OR Somalia\* OR "South Africa\*" OR "St. Lucia" OR "St. Vincent and the Grenadines" OR Surinam\* OR "South Sudan\*" OR "Southern Africa\*" OR "Sri Lanka\*" OR "sub Saharan Africa\*" OR "subSaharan Africa\*" OR "sub-Saharan Africa\*" OR Sudan\* OR Swaziland\* OR Eswatini\* OR Syria\* OR Tajikist\* OR Tanzan\* OR Thai\* OR Timor\* OR Togo\* OR Tonga\* OR Tunis\* OR Turk\* OR Tuvalu\* OR Ugand\* OR Ukrain\* OR Uzbekistan\* OR Vanuatu\* OR Venezuel\* OR Vietnam\* OR "West Africa\*" OR "West Bank\*" OR "Western Africa\*" OR Yemen\* OR Zaire\* OR Zambia\* OR Zimbabw\*)) OR AK=(("south east asia\*" OR "middle east\*" OR Afghan\* OR Angola\* OR Algeria\* OR Albania\* OR Armenia\* OR Argentina\* OR Azerbaijan\* OR Bangladesh\* OR Belarus\* OR Benin\* OR Bhutan\* OR birma\* OR Boliv\* OR Botswan\* OR Bosnia\* OR Brazil\* OR Bulgaria\* OR "Burkina Faso\*" OR Burundi\* OR "Cabo Verde\*" OR Cambod\* OR Cameroon\* OR "Cape Verd\*" OR "Central Africa\*" OR Chad\* OR China\* OR Chinese\* OR Colombia\* OR Comoro\* OR Congo\* OR "Costa Rica\*" OR "Cote d'Ivoire\*" OR Cuba\* OR Dominica\* OR Djibouti\* OR "East Africa\*" OR "Eastern Africa\*" OR Ecuador\* OR Egypt\* OR "El Salvador\*" OR "Equatorial Guinea\*" OR Eritre\* OR Ethiopia\* OR Gabon\* OR Gambia\* OR Gaza\* OR Ghan\* OR Georgia\* OR Grenada\* OR Guatemal\* OR Guinea\* OR Guyana\* OR Haiti\* OR Hondur\* OR India\* OR Indones\* OR Iran\* OR Iraq\* OR Jamaica\* OR Jordan\* OR "Ivory Coast\*" OR Kazakhstan\* OR Kenya\* OR Kiribati\* OR Kosovo\* OR Kyrgyz\* OR "Lao PDR\*" OR Lesotho\* OR Lebanon\* OR Libya\* OR Liberia\* OR Macedonia\* OR Madagascar\* OR Malaw\* OR Mali OR Mauritan\* OR Malaysia\* OR Maldive\* OR Marshall\* OR Micronesi\* OR Mexic\* OR Moldov\* OR Mongolia\* OR Monteneg\* OR Morocc\* OR Mozambiqu\* OR Myanmar\* OR Namibia\* OR Nepal\* OR Nicaragua\* OR Niger\* OR "northern Korea" OR Pakistan\* OR "Papua New Guinea\*" OR Paraguay\* OR Peru\* OR Philippine\* OR Principe\* OR "Republic of korea\*" OR Russia\* OR Rwanda\* OR Samoa\* OR Serbia\* OR "Sao Tome\*" OR Senegal\* OR "Sierra Leone\*" OR "Solomon Islands\*" OR Somalia\* OR "South Africa\*" OR "St. Lucia" OR "St. Vincent and the Grenadines" OR Surinam\* OR "South Sudan\*" OR "Southern Africa\*" OR "Sri Lanka\*" OR "sub Saharan Africa\*" OR "subSaharan Africa\*" OR "sub-Saharan Africa\*" OR Sudan\* OR Swaziland\* OR Eswatini\* OR Syria\* OR Tajikist\* OR Tanzan\* OR Thai\* OR Timor\* OR Togo\* OR Tonga\* OR Tunis\* OR Turk\* OR Tuvalu\* OR Ugand\* OR Ukrain\* OR Uzbekistan\* OR Vanuatu\* OR Venezuel\* OR Vietnam\* OR "West Africa\*" OR "West Bank\*" OR "Western Africa\*" OR Yemen\* OR Zaire\* OR Zambia\* OR Zimbabw\*) OR AFFILCOUNTRY("south east asia\*" OR "middle east\*" OR Afghan\* OR Angola\* OR Algeria\* OR Albania\* OR Armenia\* OR Argentina\* OR Azerbaijan\* OR Bangladesh\* OR Belarus\* OR Benin\* OR Bhutan\* OR birma\* OR Boliv\* OR Botswan\* OR Bosnia\* OR Brazil\* OR Bulgaria\* OR "Burkina Faso\*" OR Burundi\* OR "Cabo Verde\*" OR Cambod\* OR Cameroon\* OR "Cape Verd\*" OR "Central Africa\*" OR Chad\* OR China\* OR Chinese\* OR Colombia\* OR Comoro\* OR Congo\* OR "Costa Rica\*" OR "Cote d'Ivoire\*" OR Cuba\* OR Dominica\* OR Djibouti\* OR "East Africa\*" OR "Eastern Africa\*" OR Ecuador\* OR Egypt\* OR "El Salvador\*" OR "Equatorial Guinea\*" OR Eritre\* OR Ethiopia\* OR Gabon\* OR Gambia\* OR Gaza\* OR Ghan\* OR Georgia\* OR Grenada\* OR Guatemal\* OR Guinea\* OR Guyana\* OR Haiti\* OR Hondur\* OR India\* OR Indones\* OR Iran\* OR Iraq\* OR Jamaica\* OR Jordan\* OR "Ivory Coast\*" OR Kazakhstan\* OR Kenya\* OR Kiribati\* OR Kosovo\* OR Kyrgyz\* OR "Lao PDR\*" OR Lesotho\* OR Lebanon\* OR Libya\* OR Liberia\* OR Macedonia\* OR Madagascar\* OR Malaw\* OR Mali OR Mauritan\* OR Malaysia\* OR Maldive\* OR Marshall\* OR Micronesi\* OR Mexic\* OR Moldov\* OR Mongolia\* OR Monteneg\* OR Morocc\* OR Mozambiqu\* OR Myanmar\* OR Namibia\* OR Nepal\* OR Nicaragua\* OR Niger\* OR "northern Korea" OR Pakistan\* OR "Papua New Guinea\*" OR Paraguay\* OR Peru\* OR Philippine\* OR Principe\* OR "Republic of korea\*" OR Russia\* OR Rwanda\* OR Samoa\* OR Serbia\* OR

"Sao Tome\*" OR Senegal\* OR "Sierra Leone\*" OR "Solomon Islands\*" OR Somalia\* OR "South Africa\*" OR "St. Lucia" OR "St. Vincent and the Grenadines" OR Surinam\* OR "South Sudan\*" OR "Southern Africa\*" OR "Sri Lanka\*" OR "sub Saharan Africa\*" OR "subSaharan Africa\*" OR "sub-Saharan Africa\*" OR Sudan\* OR Swaziland\* OR Eswatini\* OR Syria\* OR Tajikist\* OR Tanzan\* OR Thai\* OR Timor\* OR Togo\* OR Tonga\* OR Tunis\* OR Turk\* OR Tuvalu\* OR Ugand\* OR Ukrain\* OR Uzbekistan\* OR Vanuatu\* OR Venezuel\* OR Vietnam\* OR "West Africa\*" OR "West Bank\*" OR "Western Africa\*" OR Yemen\* OR Zaire\* OR Zambia\* OR Zimbabw\*))

#7      TI=("physical activit\*") OR AB=("physical activit\*") OR AK=("physical activit\*")

**#1 AND (#2 OR #3 OR #4 OR #5) AND #6 AND #7**

## CINAHL, AfricaWide, and SPORTdiscus (EBSCOhost)

#1 TI ( "Thematic analys\*" OR "content analys\*" OR "focus group" \* OR ethnograph\* OR ethnograf\* OR etnograf\* OR "field stud\*" OR phenomenolog\* OR narration\* OR narrative OR "qualitative stud\*" OR "qualitative analys\*" OR "qualitative research\*" OR "qualitative method\*" OR multimethodolog\* OR "mixed method\*" OR "grounded theory" OR "audio recording\*" OR "tape recording\*" OR audiotape\* OR ( ( semi-structured OR semistructured OR unstructured OR informal OR in-depth OR indepth OR face-to-face OR structured OR guide\* ) AND ( interview\* OR discussion\* ) ) ) OR AB ( "Thematic analys\*" OR "content analys\*" OR "focus group" \* OR ethnograph\* OR ethnograf\* OR etnograf\* OR "field stud\*" OR phenomenolog\* OR narration\* OR narrative OR "qualitative stud\*" OR "qualitative analys\*" OR "qualitative research\*" OR "qualitative method\*" OR multimethodolog\* OR "mixed method\*" OR "grounded theory" OR "audio recording\*" OR "tape recording\*" OR audiotape\* OR ( ( semi-structured OR semistructured OR unstructured OR informal OR in-depth OR indepth OR face-to-face OR structured OR guide\* ) AND ( interview\* OR discussion\* ) ) ) OR SU ( "Thematic analys\*" OR "content analys\*" OR "focus group" \* OR ethnograph\* OR ethnograf\* OR etnograf\* OR "field stud\*" OR phenomenolog\* OR narration\* OR narrative OR "qualitative stud\*" OR "qualitative analys\*" OR "qualitative research\*" OR "qualitative method\*" OR multimethodolog\* OR "mixed method\*" OR "grounded theory" OR "audio recording\*" OR "tape recording\*" OR audiotape\* OR ( ( semi-structured OR semistructured OR unstructured OR informal OR in-depth OR indepth OR face-to-face OR structured OR guide\* ) AND ( interview\* OR discussion\* ) ) )

#2 TI ( insulin AND (resistancy OR resistance OR resistant OR sensitivity) ) OR AB ( insulin AND (resistancy OR resistance OR resistant OR sensitivity) ) OR SU ( insulin AND (resistancy OR resistance OR resistant OR sensitivity) )

#3 TI ( (((diabetes OR diabetic\*) AND ("non insulin depend\*" OR "noninsulin depend\*" OR noninsulindepend\* OR "non insulindepend\*" OR "maturity onset\*" OR "adult onset\*" OR "slow onset\*")) OR dm2 OR niddm OR "dm 2" OR t2d\* OR "dm type 2" OR "type 2 diabet\*" OR "dm type II" OR "type two diabet\*" OR "type II diabet\*" OR "dm type II") ) OR AB ( (((diabetes OR diabetic\*) AND ("non insulin depend\*" OR "noninsulin depend\*" OR noninsulindepend\* OR "non insulindepend\*" OR "maturity onset\*" OR "adult onset\*" OR "slow onset\*")) OR dm2 OR niddm OR "dm 2" OR t2d\* OR "dm type 2" OR "type 2 diabet\*" OR "dm type II" OR "type two diabet\*" OR "type II diabet\*" OR "dm type II") ) OR SU ( (((diabetes OR diabetic\*) AND ("non insulin depend\*" OR "noninsulin depend\*" OR noninsulindepend\* OR "non insulindepend\*" OR "maturity onset\*" OR "adult onset\*" OR "slow onset\*")) OR dm2 OR niddm OR "dm 2" OR t2d\* OR "dm type 2" OR "type 2 diabet\*" OR "dm type II" OR "type two diabet\*" OR "type II diabet\*" OR "dm type II") )

#4 TI ( ("metabolic syndrome" OR "glucose intoleran\*" OR "glucose toleran\*" OR "glucose dysregulation" OR "igt" OR "blood glucose" OR "blood sugar" OR "plasma glucose" OR "glucose level\*" OR "glucose blood" OR "fasting glucose" OR "hyperglycem\*" OR "hyperglycaem\*" OR "Hb A1c" OR "HbA1c" OR "Hemoglobin A1c" OR "homa-ir" OR "homa2" OR "hyperinsulin\*" OR "prediabet\*" OR "blood pressure" OR "diastolic pressure" OR "systolic pressure" OR "pulse pressure" OR "arterial pressure" OR "aortic pressure" OR "hypertensi\*" OR "triglyceride\*" OR "triacylglycerol\*" OR "triacylglycerol" OR "triacytlglycerol" OR "trielaidin" OR "trioleoylglycerol" OR "trioleoyl glycerol" OR "glycerol trioleate" OR "trioleate-glycerin" OR "hypertriglyceridemi\*" OR "cholesterol" OR "hdl" OR

"ldl" OR "vldl" OR "idl" OR "density lipoprotein\*" OR "hdl lipoprotein\*" OR "low density lipoprotein\*" OR "high density lipoprotein\*" OR "very low lipoprotein\*" OR "obesit\*" OR "obese\*" OR "body mass index" OR "bmi" OR "body weight" OR "body fat\*" OR "adiposit\*" OR "waist hip ratio\*" OR "waist to hip\*" OR "waist hip ratio\*" OR "waist circumference\*" OR "weight change\*" OR "weight gain\*" OR "weight loss\*" OR "weight reduction\*" OR "dyslipem\*" OR "dyslipidem\*" OR "dyslipaem\*" OR "dyslipidaem\*" OR "dyslipoprotein\*" OR "hyperlipemi\*" OR "hyperlipid\*" OR "lipidemi\*" OR "lipidaemi\*" OR "lipemi\*" OR "hypercholesterolemi\*" OR "hypercholesteremi\*" OR "hyperlipoproteinemi\*" OR "hypoprebetalipoproteinemi\*") ) OR AB ( ("metabolic syndrome" OR "glucose intoleran\*" OR "glucose toleran\*" OR "glucose dysregulation" OR "igt" OR "blood glucose" OR "blood sugar" OR "plasma glucose" OR "glucose level\*" OR "glucose blood" OR "fasting glucose" OR "hyperglycem\*" OR "hyperglycaem\*" OR "Hb A1c" OR "HbA1c" OR "Hemoglobin A1c" OR "homa-ir" OR "homa2" OR "hyperinsulin\*" OR "prediabet\*" OR "blood pressure" OR "diastolic pressure" OR "systolic pressure" OR "pulse pressure" OR "arterial pressure" OR "aortic pressure" OR "hypertensi\*" OR "triglyceride\*" OR "triacylglycerol\*" OR "triacylglycerol" OR "triacytl-glycerol" OR "trielaidd" OR "trioleoylglycerol" OR "trioleyl glycerol" OR "glycerol trioate" OR "trioate-glycerin" OR "hypertriglyceridemi\*" OR "cholesterol" OR "hdl" OR "ldl" OR "vldl" OR "idl" OR "density lipoprotein\*" OR "hdl lipoprotein\*" OR "low density lipoprotein\*" OR "high density lipoprotein\*" OR "very low lipoprotein\*" OR "obesit\*" OR "obese\*" OR "body mass index" OR "bmi" OR "body weight" OR "body fat\*" OR "adiposit\*" OR "waist hip ratio\*" OR "waist to hip\*" OR "waist hip ratio\*" OR "waist circumference\*" OR "weight change\*" OR "weight gain\*" OR "weight loss\*" OR "weight reduction\*" OR "dyslipem\*" OR "dyslipidem\*" OR "dyslipaem\*" OR "dyslipidaem\*" OR "dyslipoprotein\*" OR "hyperlipemi\*" OR "hyperlipid\*" OR "lipidemi\*" OR "lipidaemi\*" OR "lipemi\*" OR "hypercholesterolemi\*" OR "hypercholesteremi\*" OR "hyperlipoproteinemi\*" OR "hypoprebetalipoproteinemi\*") ) OR SU ( ("metabolic syndrome" OR "glucose intoleran\*" OR "glucose toleran\*" OR "glucose dysregulation" OR "igt" OR "blood glucose" OR "blood sugar" OR "plasma glucose" OR "glucose level\*" OR "glucose blood" OR "fasting glucose" OR "hyperglycem\*" OR "hyperglycaem\*" OR "Hb A1c" OR "HbA1c" OR "Hemoglobin A1c" OR "homa-ir" OR "homa2" OR "hyperinsulin\*" OR "prediabet\*" OR "blood pressure" OR "diastolic pressure" OR "systolic pressure" OR "pulse pressure" OR "arterial pressure" OR "aortic pressure" OR "hypertensi\*" OR "triglyceride\*" OR "triacylglycerol\*" OR "triacylglycerol" OR "triacytl-glycerol" OR "trielaidd" OR "trioleoylglycerol" OR "trioleyl glycerol" OR "glycerol trioate" OR "trioate-glycerin" OR "hypertriglyceridemi\*" OR "cholesterol" OR "hdl" OR "ldl" OR "vldl" OR "idl" OR "density lipoprotein\*" OR "hdl lipoprotein\*" OR "low density lipoprotein\*" OR "high density lipoprotein\*" OR "very low lipoprotein\*" OR "obesit\*" OR "obese\*" OR "body mass index" OR "bmi" OR "body weight" OR "body fat\*" OR "adiposit\*" OR "waist hip ratio\*" OR "waist to hip\*" OR "waist hip ratio\*" OR "waist circumference\*" OR "weight change\*" OR "weight gain\*" OR "weight loss\*" OR "weight reduction\*" OR "dyslipem\*" OR "dyslipidem\*" OR "dyslipaem\*" OR "dyslipidaem\*" OR "dyslipoprotein\*" OR "hyperlipemi\*" OR "hyperlipid\*" OR "lipidemi\*" OR "lipidaemi\*" OR "lipemi\*" OR "hypercholesterolemi\*" OR "hypercholesteremi\*" OR "hyperlipoproteinemi\*" OR "hypoprebetalipoproteinemi\*") )

#5 TI ( ("cardiovascular disease\*" OR cvd OR "coronary disease\*" OR "heart disease\*" OR atherosclerosis OR arteriosclerosis OR hypertension OR "blood pressure" OR cholesterol OR stroke\* OR "peripheral vascular disease\*" OR "peripheral arterial disease\*") ) OR AB ( ("cardiovascular disease\*" OR cvd OR "coronary disease\*" OR "heart disease\*" OR

atherosclerosis OR arteriosclerosis OR hypertension OR "blood pressure" OR cholesterol OR stroke\* OR "peripheral vascular disease\*" OR "peripheral arterial disease\*") ) OR SU ( ("cardiovascular disease\*" OR cvd OR "coronary disease\*" OR "heart disease\*" OR atherosclerosis OR arteriosclerosis OR hypertension OR "blood pressure" OR cholesterol OR stroke\* OR "peripheral vascular disease\*" OR "peripheral arterial disease\*") )

#6 TI ( ("south east asia\*" OR "middle east\*" OR Afghan\* OR Angola\* OR Algeria\* OR Albania\* OR Armenia\* OR Argentina\* OR Azerbaijan\* OR Bangladesh\* OR Belarus\* OR Benin\* OR Bhutan\* OR birma\* OR Boliv\* OR Botswan\* OR Bosnia\* OR Brazil\* OR Bulgaria\* OR "Burkina Faso\*" OR Burundi\* OR "Cabo Verde\*" OR Cambod\* OR Cameroon\* OR "Cape Verd\*" OR "Central Africa\*" OR Chad\* OR China\* OR Chinese\* OR Colombia\* OR Comoro\* OR Congo\* OR "Costa Rica\*" OR "Cote d'Ivoire\*" OR Cuba\* OR Dominica\* OR Djibouti\* OR "East Africa\*" OR "Eastern Africa\*" OR Ecuador\* OR Egypt\* OR "El Salvador\*" OR "Equatorial Guinea\*" OR Eritre\* OR Ethiopia\* OR Gabon\* OR Gambia\* OR Gaza\* OR Ghan\* OR Georgia\* OR Grenada\* OR Guatemal\* OR Guinea\* OR Guyana\* OR Haiti\* OR Hondur\* OR India\* OR Indones\* OR Iran\* OR Iraq\* OR Jamaica\* OR Jordan\* OR "Ivory Coast\*" OR Kazakhstan\* OR Kenya\* OR Kiribati\* OR Kosovo\* OR Kyrgyz\* OR "Lao PDR\*" OR Lesotho\* OR Lebanon\* OR Libya\* OR Liberia\* OR Macedonia\* OR Madagascar\* OR Malaw\* OR Mali OR Mauritan\* OR Malaysia\* OR Maldive\* OR Marshall\* OR Micronesi\* OR Mexic\* OR Moldov\* OR Mongolia\* OR Montenegr\* OR Morocc\* OR Mozambiqu\* OR Myanmar\* OR Namibia\* OR Nepal\* OR Nicaragua\* OR Niger\* OR "northern Korea" OR Pakistan\* OR "Papua New Guinea\*" OR Paraguay\* OR Peru\* OR Philippine\* OR Principe\* OR "Republic of korea\*" OR Russia\* OR Rwanda\* OR Samoa\* OR Serbia\* OR "Sao Tome\*" OR Senegal\* OR "Sierra Leone\*" OR "Solomon Islands\*" OR Somalia\* OR "South Africa\*" OR "St. Lucia" OR "St. Vincent and the Grenadines" OR Surinam\* OR "South Sudan\*" OR "Southern Africa\*" OR "Sri Lanka\*" OR "sub Saharan Africa\*" OR "subSaharan Africa\*" OR "sub-Saharan Africa\*" OR Sudan\* OR Swaziland\* OR Eswatini\* OR Syria\* OR Tajikist\* OR Tanzan\* OR Thai\* OR Timor\* OR Togo\* OR Tonga\* OR Tunis\* OR Turk\* OR Tuvalu\* OR Ugand\* OR Ukrain\* OR Uzbekistan\* OR Vanuatu\* OR Venezuel\* OR Vietnam\* OR "West Africa\*" OR "West Bank\*" OR "Western Africa\*" OR Yemen\* OR Zaire\* OR Zambia\* OR Zimbabw\*) ) OR AB ( ("south east asia\*" OR "middle east\*" OR Afghan\* OR Angola\* OR Algeria\* OR Albania\* OR Armenia\* OR Argentina\* OR Azerbaijan\* OR Bangladesh\* OR Belarus\* OR Benin\* OR Bhutan\* OR birma\* OR Boliv\* OR Botswan\* OR Bosnia\* OR Brazil\* OR Bulgaria\* OR "Burkina Faso\*" OR Burundi\* OR "Cabo Verde\*" OR Cambod\* OR Cameroon\* OR "Cape Verd\*" OR "Central Africa\*" OR Chad\* OR China\* OR Chinese\* OR Colombia\* OR Comoro\* OR Congo\* OR "Costa Rica\*" OR "Cote d'Ivoire\*" OR Cuba\* OR Dominica\* OR Djibouti\* OR "East Africa\*" OR "Eastern Africa\*" OR Ecuador\* OR Egypt\* OR "El Salvador\*" OR "Equatorial Guinea\*" OR Eritre\* OR Ethiopia\* OR Gabon\* OR Gambia\* OR Gaza\* OR Ghan\* OR Georgia\* OR Grenada\* OR Guatemal\* OR Guinea\* OR Guyana\* OR Haiti\* OR Hondur\* OR India\* OR Indones\* OR Iran\* OR Iraq\* OR Jamaica\* OR Jordan\* OR "Ivory Coast\*" OR Kazakhstan\* OR Kenya\* OR Kiribati\* OR Kosovo\* OR Kyrgyz\* OR "Lao PDR\*" OR Lesotho\* OR Lebanon\* OR Libya\* OR Liberia\* OR Macedonia\* OR Madagascar\* OR Malaw\* OR Mali OR Mauritan\* OR Malaysia\* OR Maldive\* OR Marshall\* OR Micronesi\* OR Mexic\* OR Moldov\* OR Mongolia\* OR Montenegr\* OR Morocc\* OR Mozambiqu\* OR Myanmar\* OR Namibia\* OR Nepal\* OR Nicaragua\* OR Niger\* OR "northern Korea" OR Pakistan\* OR "Papua New Guinea\*" OR Paraguay\* OR Peru\* OR Philippine\* OR Principe\* OR "Republic of korea\*" OR Russia\* OR Rwanda\* OR Samoa\* OR Serbia\* OR "Sao Tome\*" OR Senegal\* OR "Sierra Leone\*" OR "Solomon Islands\*" OR Somalia\* OR "South Africa\*" OR "St. Lucia" OR "St. Vincent

and the Grenadines" OR Surinam\* OR "South Sudan\*" OR "Southern Africa\*" OR "Sri Lanka\*" OR "sub Saharan Africa\*" OR "subSaharan Africa\*" OR "sub-Saharan Africa\*" OR Sudan\* OR Swaziland\* OR Eswatini\* OR Syria\* OR Tajikist\* OR Tanzan\* OR Thai\* OR Timor\* OR Togo\* OR Tonga\* OR Tunis\* OR Turk\* OR Tuvalu\* OR Ugand\* OR Ukrain\* OR Uzbekistan\* OR Vanuatu\* OR Venezuel\* OR Vietnam\* OR "West Africa\*" OR "West Bank\*" OR "Western Africa\*" OR Yemen\* OR Zaire\* OR Zambia\* OR Zimbabw\*) ) OR SU ( ("south east asia\*" OR "middle east\*" OR Afghan\* OR Angola\* OR Algeria\* OR Albania\* OR Armenia\* OR Argentina\* OR Azerbaijan\* OR Bangladesh\* OR Belarus\* OR Benin\* OR Bhutan\* OR birma\* OR Boliv\* OR Botswan\* OR Bosnia\* OR Brazil\* OR Bulgaria\* OR "Burkina Faso\*" OR Burundi\* OR "Cabo Verde\*" OR Cambod\* OR Cameroon\* OR "Cape Verd\*" OR "Central Africa\*" OR Chad\* OR China\* OR Chinese\* OR Colombia\* OR Comoro\* OR Congo\* OR "Costa Rica\*" OR "Cote d'Ivoire\*" OR Cuba\* OR Dominica\* OR Djibouti\* OR "East Africa\*" OR "Eastern Africa\*" OR Ecuador\* OR Egypt\* OR "El Salvador\*" OR "Equatorial Guinea\*" OR Eritre\* OR Ethiopia\* OR Gabon\* OR Gambia\* OR Gaza\* OR Ghan\* OR Georgia\* OR Grenada\* OR Guatemal\* OR Guinea\* OR Guyana\* OR Haiti\* OR Hondur\* OR India\* OR Indones\* OR Iran\* OR Iraq\* OR Jamaica\* OR Jordan\* OR "Ivory Coast\*" OR Kazakhstan\* OR Kenya\* OR Kiribati\* OR Kosovo\* OR Kyrgyz\* OR "Lao PDR\*" OR Lesotho\* OR Lebanon\* OR Libya\* OR Liberia\* OR Macedonia\* OR Madagascar\* OR Malaw\* OR Mali OR Mauritan\* OR Malaysia\* OR Maldive\* OR Marshall\* OR Micronesi\* OR Mexic\* OR Moldov\* OR Mongolia\* OR Montenegr\* OR Morocc\* OR Mozambiqu\* OR Myanmar\* OR Namibia\* OR Nepal\* OR Nicaragua\* OR Niger\* OR "northern Korea" OR Pakistan\* OR "Papua New Guinea\*" OR Paraguay\* OR Peru\* OR Philippine\* OR Principe\* OR "Republic of korea\*" OR Russia\* OR Rwanda\* OR Samoa\* OR Serbia\* OR "Sao Tome\*" OR Senegal\* OR "Sierra Leone\*" OR "Solomon Islands\*" OR Somalia\* OR "South Africa\*" OR "St. Lucia" OR "St. Vincent and the Grenadines" OR Surinam\* OR "South Sudan\*" OR "Southern Africa\*" OR "Sri Lanka\*" OR "sub Saharan Africa\*" OR "subSaharan Africa\*" OR "sub-Saharan Africa\*" OR Sudan\* OR Swaziland\* OR Eswatini\* OR Syria\* OR Tajikist\* OR Tanzan\* OR Thai\* OR Timor\* OR Togo\* OR Tonga\* OR Tunis\* OR Turk\* OR Tuvalu\* OR Ugand\* OR Ukrain\* OR Uzbekistan\* OR Vanuatu\* OR Venezuel\* OR Vietnam\* OR "West Africa\*" OR "West Bank\*" OR "Western Africa\*" OR Yemen\* OR Zaire\* OR Zambia\* OR Zimbabw\*) )

#7 TI ("physical activit\*") OR AB ("physical activit\*") OR SU ("physical activit\*")

**#1 AND (#2 OR #3 OR #4 OR #5) AND #6 AND #7**