Search strategies for: "*Climate action for health and wellbeing in cities: a protocol for the systematic development of a database of peer-reviewed studies using machine learning methods*"

Description

The search strategies were constructed for the development of a database of peer-reviewed studies on climate change mitigation and adaptation actions implemented in cities for human health and wellbeing. The development of the database followed a systematic process assisted by the use of machine learning methods for article classification to allow capturing a broad landscape of relevant literature across many disciplines and sectors. The search strategies are tailored to this purpose, and therefore, cover both explicit and implicit terms of relevance to climate change mitigation and adaptation.

There are two separate sets of search terms, one capturing climate change mitigation actions (Table 1) and one climate change adaptation actions (Table 2). Each set is comprised of three blocks of search terms. For mitigation the blocks of terms are: (climate terms OR energy terms) AND (explicit mitigation and mitigation policy terms OR sector-specific mitigation terms) AND (health terms OR wellbeing terms). For adaptation the terms are: (climate terms) AND (explicit adaptation terms including resilience OR action-specific adaptation terms) AND (health terms OR wellbeing terms). Here we present the search strategies for Medline (accessed via Web of Science). These was also translated for the Web of Science Core Collections (consisting of SCI-EXPANDED, SSCI, A&HCI, CPCI-S, CPCI-SSH, and ESCI) and Scopus. The bibliographic databases were searched in January/February 2021.

Further details on the development of the search strategy are available in the study protocol (see the associated papers).

Table 1. Mitigation search strategy for the Medline (access via Web of Science)

Set	Sub-set	Terms
1: climate or energy	1. climate or energy	(TS=(("climat*" NEAR/3 ("change*" OR "changing" OR "disrupt*" OR "hazard*" OR "impact*" OR "vulnerab*" OR "function*" OR "extreme*" OR "catastroph*" OR "emergenc*" OR "shift*" OR "variab*" OR "dynamic*" OR "sensitiv*")) OR (("global*" OR "planet*" OR "world" OR "climat*" OR "earth" OR "worldwide" OR "world-wide") NEAR/1 ("heating" OR "warming")) OR "greenhouse effect*" OR (("energy*" OR "fuel*") NEAR/3 ("efficien*" OR "reduc*" OR "renewable*" OR "save*" OR "saving" OR "clean*")) OR (("fossil fuel*" OR "coal" OR "oil" OR "gas" OR "carbon") NEAR/3 ("phas* out" OR "exit*" OR "transition*" OR "transform*" OR "clos*" OR "shift*" OR "decommission*" OR "shut* down" OR "displac*" OR "low*" OR "net-zero" OR "netzero" OR "neutral*")) OR "just transition*") OR MH:EXP=("climate change" OR "global warming" OR "greenhouse effect" OR "conservation of energy resources" OR "fossil fuels" OR "renewable energy" OR "coal" OR "greenhouse gases" OR "carbon dioxide" OR "carbon" OR "hydrogen"))
2: mitigation	2.1. explicit mitigation and mitigation policy terms	(TS=((("climat*" OR "emission*" OR "global warming" OR "carbon" OR "CO2" OR "GHG" OR "greenhouse gas*" OR "greenhouse effect" OR "CH4" OR "methane" OR "N2O" OR "nitro* oxide*" OR "non-methane volatile organic compound*" OR "NMVOC*" OR "sulphur dioxide*" OR "ozone" OR "O3" OR "fluorinated gase*" OR "F-Gas*" OR "hydrofluorocarbon*" OR "HFCs" OR "perfluorocarbon*" OR "PFCs" OR "sulfur hexafluoride*" OR "sulphur hexafluoride*" OR "SF6" OR "chlorofluorocarbon*" OR "CFCs" OR "hydrochlorofluorocarbon*" OR "HCFCs" OR "halos" OR "air pollut*" OR "aerosol*" OR (("short-lived" OR "shortlived") NEAR/3 "pollutant*") OR "SLCP*") NEAR/3 ("mitigat*" OR "reduc*" OR "sav*" OR "tackl*" OR "address*" OR "halt*" OR "stop*" OR "abat*" OR "remission*" OR "moderat*" OR

			"modif*" OR "control*" OR "zero" OR "diminish*" OR "decreas*" OR "eliminat*" OR "declin*" OR "sink*" OR "sequester*" OR "neutral" OR "offset" OR "storage" OR "store" OR "storing" OR "captur*" OR "perform*" OR "efficien*" OR "use*" OR "usage" OR "using" OR "low" OR "saving*" OR "conservation")
			)
			OR "decarboni*" OR "policy" OR "policies" OR "politics" OR "polity" OR "governance" OR "govern" OR "governing" OR "tax*" OR "emission trad*" OR "pric*" OR "tariff*" OR "subsid*" OR "regulat*" OR "command and control" OR "instrument*" OR "incentiv*" OR "standard*" OR "offset*" OR "plan*" OR "information" OR "label*" OR "certific*" OR "education" OR "cooperat*" OR "procurement*" OR "investment*" OR "credit*" OR "bond$" OR "ban*" OR "moratori*" OR "loan$" OR "certificate*" OR "monitoring" OR "verification" OR "campaign*" OR "financ*" OR "intervention*" OR "instrument*" OR "nudg*" OR (("behavior*" OR "behaviour*") NEAR/3 "chang*") OR "Kyoto Protocol" OR "Paris agreement" OR "cap and trade" OR "grant*" OR "complian*" OR "zoning" OR "budget*" OR "market*" OR "participatory" OR "public awareness" OR "cooperation" OR "cooperate" OR "label*")
			OR
			MH:EXP=("fiscal policy" OR "health policy" OR "environmental policy" OR "social control policies" OR "nutrition policy" OR "policy making" OR "politics" OR "taxes" OR "fees and charges" OR "financing" OR "rate setting and review" OR "budgets" OR "capital financing" OR "financial support" OR "financing, organized" OR "financing, personal" OR "financing, government" OR "investments" OR "public expenditures" OR "taxes" OR "cost-benefit analysis" OR "financing, government" OR "government regulation" OR "law enforcement" OR "mandatory programs" OR "social control, informal" OR "certification" OR "food labelling" OR "education" OR "international cooperation" OR "environmental monitoring" OR "motivation" OR "health promotion" OR "choice behavior" OR "decision making" OR "habits" OR "health knowledge, attitudes, practice" OR "international cooperation" OR "sustainable growth"
			)
			)
2: mitigation	**2.2. mitigation in transport sector**	(TS=(	("public" NEAR/3 ("transit" OR "transport*")) OR (("mass" OR "rapid") NEAR/3 "transit") OR ("active" NEAR/3 ("travel" OR "transport*")) OR (("bus*" OR "metro" OR "subway" OR "underground" OR "train*" OR "light rail" OR "heavy rail" OR "tram*" OR "railway*" OR "ferry" OR "ferries") NEAR/3 ("transport*" OR "traffic" OR "commut*" OR "travel*")) OR "modal shift*" OR "park and ride*" OR "car sharing" OR "car share" OR "bicycle sharing" OR "bicycle share" OR "cycle sharing" OR "cycle share" OR "active travel" OR "telecommut*" OR "mobility" OR ("intermodal" AND ("travel" OR "transport*")) OR (("electric" OR "hybrid") NEAR/1 ("car*" OR "vehicle*" OR "taxi*" OR "cycling" OR "cycle*" OR "bike*" OR "bicycle*" OR "motorbike*" OR "three-wheeler*" OR "rickshaw*" OR "scooter*")) OR "e-bike*" OR "e-bicycle*" OR "ebike*" OR "ebicycle*" OR

"cycle*"
OR (

    ("bicycle*" OR "pedestrian*" OR "walking" OR "walkable" OR "cycling" OR "scooter*" OR "rickshaw*")
    NEAR/2
    ("infrastructure*" OR "path" OR "paths" OR "trail*" OR "network*" OR "route*" OR "corridor*" OR "lane*" OR "sidewalk*" OR "pavement*")

)
OR (

    ("congestion*" OR "parking" OR "road*" OR "fuel*")
    NEAR/3 ("charg*" OR "tax" OR "taxes" OR "pric*" OR "policy" OR "policies" OR "restrict*")
    AND ("transport*" OR "traffic" OR "vehicle*" OR "car*" OR "travel*" OR "urban")

)
OR (

    ("regulation*" OR "subsidy" OR "subsidies" OR "travel demand*" OR "travel choice*" OR "driving")
    NEAR/3 ("pric*" OR "policy" OR "policies" OR "strateg*" OR "management")
    AND ("transport*" OR "traffic" OR "vehicle*" OR "car*" OR "travel")

)
OR (

    ("fuel efficienc*")
    NEAR/2
    ("car*" OR "vehicle*" OR "taxi*" OR "cycling" OR "cycle*" OR "bike*" OR "motorbike*" OR "three-wheeler*" OR "threewheeler*" OR "rickshaw*" OR "scooter*")

)
OR (

    ("biodiesel" OR "biofuel*" OR "ethanol" OR "flex fuel*" OR "hydrogen" OR "decarbonising fuel*")
    NEAR/2
    ("car*" OR "vehicle*" OR "taxi*" OR "cycling" OR "cycle*" OR "bike*" OR "motorbike*" OR "three-wheeler*" OR "threewheeler*" OR "rickshaw*" OR "scooter*")

)
OR (

    ("reduc*" OR "prevent*" OR "minimi*" OR "prohibit*")
    NEAR/3
    ("noise" OR "traffic" OR "congestion*")

)
)
OR
MH:EXP=(
"transportation" OR "motor vehicles" OR "railroads" OR "walking" OR "bicycling" OR "ships" OR "vehicle emissions" OR "automobile driving" OR "automobiles" OR "travel" OR "pedestrians" OR "parking facilities" OR "gasoline" OR "bioelectric energy sources" OR "fuel oils" OR "biofuels" OR "traffic-related pollution" OR "hydrogen" OR "noise, transportation"
)
)

| 2: mitigation | 2.3. mitigation in buildings sector | (
 TS=(
 "cool roof*" OR "green roof*" OR "passive house*" OR "green building*" OR "ecohome*" OR "eco-home*" OR "LEED" OR "BREEAM" OR "DGNB" OR "CASBEE" OR "STAR" OR "vernacular architecture" OR "white roof*" OR (("architectur*" OR "design*") NEAR/3 ("climatic" OR "responsive" OR "environmental"))
      OR (
           ("building*" OR "occupant*" OR "dwelling*" OR "built environment*" OR "house*" OR "housing" OR "home*" OR "household*" OR ("resident*" NEAR/3 "propert*") OR "dwelling" OR "domestic" OR "non-domestic" OR "care setting*" OR "shelter*" OR "accommodation*" OR "office*" OR "school*" OR "built environment*" OR "residence*" OR "accommodation*" OR "shelter*" OR "slum*" OR "commercial" OR "industrial" OR "hospital*" OR "roof*")
           AND
           (
            (
              ("certification*" OR "standard*" OR "regulation*" OR "code*" OR "rating tool*" OR "assessment tool*") NEAR/3 ("sustainabil*" OR "carbon" OR "efficien*" OR "energy")
) OR "tightness" OR "insulat*" OR "natural ventilation" OR "zero energy" OR "low carbon" OR "retrofit$" OR "zero emissions" OR "green design*" OR "sustainable design*" OR "low embodied carbon" OR "renewable*" OR "microgeneration" OR "decentralized energy system*" OR "combined heat and power" OR "bioenergy*" OR "energy demand management" OR "solar panel*" OR "photovoltaic*" OR "renewable*" OR "shad*" OR "greening" OR "resource* efficiency" OR "embodied energy" OR "energy efficiency" OR "zero carbon" OR "smart meter*" OR "ecodesign*" OR "eco-design*" OR "SAP" OR "EPC" OR "FIT" OR "HIT" OR "Heat Incentive Tarrif*" OR "Financial Incentive Tarrif*" OR "green deal*" OR "passive house*" OR "efficiency rating*" OR "low energy" OR "energy efficient" OR "low embodied construction*" OR "sustainable" OR "air tightness" OR "air exchange*" OR "ventilat*" OR "efficiency measure*" OR "upgrad*" OR "renovat*" or "improv*" or "albedo" OR "net zero" OR "zero energy" OR "green design*" OR "climatic layout*" OR "grey water" OR "water recycling"
            OR (
              ("lighting" OR "appliance*" OR "refrigerat*" OR "cooking" OR "electrical device*" OR "energy service*" OR "energy consumption" OR "electricity" OR "heat pump*" OR "air condition*" OR "ventilat*" OR "air exchange*" OR "thermostat*" OR "HVAC*" OR "boiler*" OR "heating" OR "heat" OR "cooling" OR "thermal comfort" OR "thermal stress" OR "humidity" OR "dehumidif*")
              NEAR/5
              ("efficien*" OR "upgrade*" OR "renewable" OR "saving" OR "saved" OR "save" OR "clean" OR "perform*" OR "green" OR "zero carbon" OR |

			"retrofit*" OR "low energy" OR "reduc*" OR "low consumption" OR "efficiency rating*"))))) OR MH:EXP=("ventilation" OR "air conditioning" OR "heating" OR "lighting" OR Architecture/cl, st [Classification, Standards] OR Housing/cl, st [Classification, Standards] OR "environment design" OR "conservation of energy resources" OR "facility design and construction" OR "non-medical public and private facilities" OR "building codes"))

2: mitigation	**2.4. mitigation in urban form and land use**		(
			TS=(
			"smart city" OR "smart cities" OR "smart growth" OR "smart-grid" OR "smartgrid" OR "eco-city" OR "ecocity" OR "green-city" OR "greencity" OR "sustain* city" OR "low carbon city" OR "eco-cities" OR "eco cities" OR "green-cities" OR "greencities" OR "sustain* cities" OR "low carbon cities" OR "green infrastructure" OR "compact city" OR "compact cities" OR "densif*" OR "connectivity" OR "transit-oriented development" OR "TOD" OR "walkability" OR "albedo" OR "low traffic neighbourhood*" OR "low traffic neighborhood*"
			    OR (
			        ("low-carbon" OR "lowcarbon" OR "green" OR "sustainable" OR "zero-carbon" OR "zerocarbon" OR "decarboni*" OR "integrated" OR "connectivity")
			        AND
			        ("integrated land use and transport planning" OR "integrated land use planning" OR "urban infrastructure"
			            OR (
			                ("urban" OR "city" OR "cities" OR "metropol*" OR "municipal*" OR "settlement*" OR "town*" OR "village*" OR "neighborhood*" OR "neighbourhood*")
			                NEAR/2
			                ("transition*" OR "form*" OR "design*" OR "land-use*" OR "landuse*" OR "density" OR "plan*" OR "masterplan*" OR "vision*" OR "strategy" or "footprint*")
			            )
			        )
			    )
			    OR (
			        ("urban" OR "city" OR "cities" OR "metropol*" OR "municipal*" OR "neighborhood*" OR "neighbourhood*" OR "settlement*" OR "town*" OR "village*")
			        AND
			        ("park" or "parks" OR "parkland" OR "forest*" OR "wood*" OR "tree*" OR "tree canopy" OR "tree canopies" OR "roof*" OR "garden*" OR "replant*" OR "vegetation" OR "revegetat*" OR "re-vegetat*" OR "rewild*" OR "landscap*" OR "green*" OR "natur*" OR "biodiversity" OR "biodiverse" OR "ecosystem service*" OR "ecolog* restoration" OR "rehabilitation" OR "carbon sequest*" OR "carbon storage" OR "carbon agreement*"

2: mitigation			OR "air filtration" OR "air pollution" OR "air quality" OR "micro climate regulation" OR "temperature*" OR "plant*" OR "wetland*" OR "watershed*" OR "mangrove*" OR "delta*" OR "water reserve*" OR "blue-space" OR "bluespace" OR "water bod*" OR "lake*" OR "river*" OR "reservoir*" OR "canal*" OR "stream*" OR "pond*" OR "coast*" OR "shore*" OR "waterfront*" OR "waterscape*" or "overflow*" OR "water management")) OR (("urban" OR "city" OR "cities" OR "metropol*" OR "municipal*" OR "neighbo$rhood*" OR "neighbourhood*" OR "settlement*" OR "town*" OR "village*") AND ("design code*" OR "design standard*" OR "zoning" OR "guidance*" OR "management" OR "green factor*" OR "renewal" OR "regeneration" OR "redevelopment" OR "refurbishment" OR "sprawl" OR "sector blocks" OR "retrofitting")) OR (("urbanism") AND ("tactical" OR "DIY" OR "guerilla" OR "pop-up" OR "popup" OR "repair" OR "urban acupuncture" OR "urban prototyping"))) OR MH:EXP=("city planning" OR "urbanization" OR "urban renewal" OR "social planning" OR "environmental design" OR "cities" OR "urban health" OR "residence characteristics" OR "parks, recreational" OR "forests" OR "gardens" OR "nature" OR "biodiversity" OR "wetlands" OR "grasslands" OR "rivers" OR "lakes" OR "ponds" OR "stream" OR "saline waters"))
	2.5. mitigation in urban food and agriculture sector		(TS=((("urban" OR "city" OR "cities" OR "periurban" OR "peri-urban" OR "sustainable") NEAR/5 ("farming" OR "agriculture" OR "food production")) OR (("diet" OR "nutri*" OR "meat" OR "vegetarian*" OR "vegan*" OR "plant-based" OR "sustainable diet*" OR "diet* pattern*" OR "diet* choice*" OR "diet* change*" OR "diet* recommendation*" OR "diet* guideline*" OR "diet* scenario*" OR "diet* type*" OR "Mediterranean diet*" OR "food choice*" OR "food consumption" OR "health* diet*" OR "health* eat*" OR "food waste") AND ("greenhouse" OR "GHG" OR "sustain*" OR "environment* sustain*" OR "global warming" OR "climat*" OR "environment* impact*" OR "footprint*")

2: mitigation			)) OR MH:EXP=("agriculture" OR "food supply" OR "food handling" OR "diet" OR "diet, food, and nutrition" OR "diet" OR "eating" OR "food" OR "nutrition policy"))

	2.6. mitigation in waste sector		(
			TS=(
			("circular economy" OR "bio-economy" OR "bioeconomy" OR "green economy"
			OR "resource efficiency" OR "reuse" OR "re-use" OR "reusing" OR "re-using"
			OR "zero waste" OR "product re-design*" OR "product redesign*" OR "green
			innovation*" OR "bio-gasificat*" OR "biogasificat*" OR "microbial degradation"
			OR "biodegradationor*" OR "bio-degradationor*" OR "gas-to-energy" OR
			"waste-to-energy" OR "anaerobic digest*" OR "pyrolysis" OR "biochar*" OR
			"biological treatment*" OR "product life extension*" OR "remanufacturing" OR
			"design-out" OR "waste hierarch*" OR "closed circular system*" OR "cradle-to-
			cradle" OR "blue economy" OR "sharing economy" OR "regenerative" OR
			"sanitary landfill*" OR "biodigester*"
			OR (
			    ("captur*" OR "flar*" OR "use*" OR "utili*" OR "recover*")
			    NEAR/2 ("biogas" OR "methane" OR "gas" OR "CH4")
			)
			    OR ("biomass" NEAR/3 ("combust*" OR "flar*"))
			    OR ("landfill" NEAR/2 "gas")
			    OR ("energy" NEAR/2 "recover*")
			    OR ("organic" NEAR/2 "landfill")
			OR (("waste" OR "packaging") NEAR/2 "tax")
			OR "sludge" NEAR/2 ("treat*" OR "stabili*")
			    OR (
			        (
			          ("household*" OR "residential" OR "business*" OR
			          "municipal" OR "council" OR "metropolitan")
			          NEAR/3 ("recycl*" OR "compost*")
			        ) NOT ("revenue recycl*")
			      )
			     OR (
			        ("waste" OR "landfill")
			        NEAR/3 ("management" OR "handling")
			      )
			OR (
			    ("reduc*" OR "prevent*" OR "minimi*" OR "prohibit*" OR "efficient
			    use" OR "shift*")
			    NEAR/2 ("waste" OR "material*" OR "product*" OR "carbon content"
			    OR "consum*" OR "dispos*" OR "landfill" OR "throughput"
			        OR ("open"
			        NEAR/2 ("burn*" OR "dump*" OR "resource*")
			        )
			      )
			    )
			  )
			  )
			OR
			MH:EXP=(

		"waste products" OR "recycling" OR "waste management" OR "sanitary engineering" OR "composting" OR "equipment reuse" OR "incineration" OR "solid waste" OR "waste disposal, fluid" OR "pyrolysis" OR "biodegradation, environmental" OR "bioreactors" OR "waste disposal facilities" OR "water purification" OR "composting" OR "biodegradation, environmental"))

2: mitigation	**2.7. groundwork activities**	(
		TS=(
		    "workshop*" OR "meeting*" OR "educat*" OR "inform*" OR "train*" OR "outreach*" OR "disseminat*" OR "campaign*" OR "advoca*" OR "behavior change*" OR
		        (
		            ("local" OR "traditional" OR "indigenous")
		            NEAR/3 ("know*" OR "manag*")
		        ) OR
		    ("know*" NEAR/3 "shar*") OR
		    (
		        ("model*" OR "scenario*" OR "tool*")
		        NEAR/3
		        ("decision*" OR "polic*" OR "plan*" OR "strategy*" OR "communicat*" OR "choice*")
		    ) OR
		    (
		        ("develop*" OR "strengthen*" OR "establish*" OR "expand*" OR "increase*" OR "creat*" OR "build*" OR "mobiliz*" OR "mobilis*" or "reduc*" or "diminish*" or "weaken*" or "contract*" or "lessen*"
		        ) NEAR/3
		        ("resource*" OR "commun*" OR "capabil*" OR "capac*" OR "skill*" OR "personnel*" OR "staff" OR "workforce" OR "know*" OR "understand*" OR "aware*" OR "social capital*" OR "cohesi*" OR "collaborat*" OR "research*" OR "network*" OR "partnership*" OR "coalition*" OR "cooperat*" OR "recommend*" OR "statement*" OR "framework*" OR "goal*")
		    )
		    )
		OR
		MH:EXP=(
		"education" OR "consumer health information" OR "health information systems" OR "information dissemination" OR "information centers" OR "information literacy" OR "inservice training" OR "information dissemination" OR "health promotion" OR "knowledge" OR "capacity building" OR "intersectoral collaboration" OR "community-institutional relations" OR "interdepartmental relations" OR "interinstitutional relations" OR "social capital" OR "interdisciplinary communication" OR "research"
		    )
		)

3: health	**3.1. general health terms**	(TS=("health*" OR "ill" OR "illness*" OR "disease*" OR "syndrome*" OR "infect*" OR "virus*" OR "medical*" OR "DALY*" OR "life year*" OR "burden of disease*" OR "QALY*" OR "mortality" OR "morbidit*" OR "survival*" OR

		"death*" OR "hospital*" OR "emergency" OR "doctor*" OR "GP" OR "general practitioner*" OR "prevalen*" OR "incidenc*" OR "syndrom*"
		    )
		OR
		MH:EXP=(
		"health status" OR "health" OR "adolescent health" OR "child health" OR "family health" OR "global health" OR "infant health" OR "minority health" OR "occupational health" OR "one health" OR "population health" OR "public health" OR "social determinants of health" OR "women's health" OR "disease" OR "Quality-Adjusted Life Years" OR "mortality" OR "morbidity" OR "death" OR "hospitalization"
		    )
		)

3.2. nutritional		(
		TS=(
		"obes*" OR "over-weight" OR "overweight" OR "under-weight" OR "underweight" OR "hunger" OR "stunting" OR "wasting" OR "undernourish*" OR "undernutrition" OR "anthropometr*" OR "malnutrition" OR "malnour*" OR "anemia" OR "anaemia" OR "micronutrient*" OR "micro-nutrient*" OR "vitamin deficienc*" OR "BMI" OR "body mass index" OR "cholesterol" OR "nutritional disease*" OR "hypoalimentation"
		    )
		OR
		MH:EXP=(
		"nutrition disorders" OR "body weights and measures" OR "nutritional status" OR "hunger" OR "cholesterol"
		    )
		)

3.3. cardio- and cerebro- vascular		(
		TS=(
		"hypertensi*" OR "blood pressure" OR "stroke*" OR "renovascular" OR "cardiovascular" OR "cerebrovascular" OR ("CVD" NOT ("vapor" OR "vapour")) OR "heart disease*" OR "ischemic" OR "ischaemic" OR "cardiovascular" OR "cardio-vascular" OR "heart attack*" OR "coronary" OR "CHD" OR "cardiorespiratory" OR "cardio-respiratory" OR "cerebrovascular" OR "cerebro-vascular" OR "arrhythmia*" OR "heart failure*" OR "MI" OR "myocardial infarction*" OR "AMI" OR "IHD*" OR "angina*" OR "atheroscleros*" OR "vascular" OR "aneurysm*" OR "thrombos*" OR "embolism*" OR "atheroscleros*" OR "headache*"
		    )
		OR
		MH:EXP=(
		"heart diseases" OR "vascular diseases" OR "cerebrovascular disorders" OR "headache disorders"
		    )
		)

3.4. respiratory		(TS=("respiratory" OR "lung*" OR "asthma*" OR "bronchi*" OR "cough*" OR "pulmonary*" OR "COPD" OR "chronic obstructive pulmonary disease" OR "rhinitis" OR "wheez*" OR "tuberculosis" OR "TB" OR "URTI*" OR "RTI*" OR "LRI*" OR "ALRI*" OR "emphysema*" OR "flu" OR "influenza" OR "coronavirus*" OR "COVID*" OR "SARS*" OR "severe acute respiratory syndrom*" OR "steptococ*" OR "staphylococ*" OR "pneumonia*" OR "emphysema*")

		OR MH:EXP=("respiratory tract diseases" OR "respiratory tract infections"))
3.5. renal		(TS=("CKD" OR "chronic kidney disease*" OR "renal" OR "kidney stone*" OR "renal calcul*" OR "kidney disease of nontraditinal origin" OR "kidney disease of non-traditinal origin" OR "CKDnt" OR "proteinuria*" OR "acute renal failure") OR MH:EXP=("renal insufficiency" OR "kidney calculi"))

3.6. thermal effects		(
		TS=(
		"thermal stress" OR "hypertherm*" OR "hypotherm*" OR "dehydrat*" OR "heat exhaust*" OR "electrolyte imbalance*" OR "labour productiv*" OR "thermal comfort" OR
		    ("heat"
		    NEAR/2 ("stress*" OR "strain*" OR "stroke*" OR "exhaustion" OR "cramp*")
		    )
		    )
		OR
		MH:EXP=(
		"heat-shock response" OR "heat stress disorders" OR "hypothermia" OR "dehydration" OR "water-electrolyte imbalance" OR "heat stress disorders"
		)
		)

3.7. other non-communicable diseases		(TS=("blood glucose" OR "diabet*" OR "hyperlipidemia" OR "dementia*" OR "Alzheimer*" OR "Parkinson*" OR "NCD*" OR "non-communicable" OR "noncommunicable" OR "hypoglycaemi*" OR "metabolic") OR MH:EXP=("metabolic diseases" OR "blood glucose" OR "diabetes mellitus" OR "dyslipidemias" OR "hypoglycemia" OR "dementia" OR "Alzheimer disease" OR "Parkinson disease"))
3.8. allergies		(TS=("allerg*" OR "hayfever*") OR MH:EXP=("hypersensitivity" OR "rhinitis, allergic"))

	3.9. birth-related	(TS=("preterm" OR "pre-term" OR "stillbirth*" OR "still-birth*" OR "stillborn*" OR "still-born*" OR "miscarriage*" OR "spontaneous abort*" OR "birth defect*" OR "birthweight" OR "birth-weight" OR "LBW" OR "pre-eclamp*" OR "preeclamp*" OR "chromosomal abnormalit*" 　　　) OR MH:EXP=("stillbirth" OR "premature birth" OR "infant, premature" OR "infant, low birth weight" OR "congenital abnormalities" OR "abortion, spontaneous" OR "birth weight" OR "pre-eclampsia" 　　　))
	3.10. developmental	(TS=("education* attainment*" OR "mental retard*" OR "intellectual disability" OR "autism" OR "autistic" OR "asperger*" OR ("child*" NEAR/2 "develop*") OR "neurodevelop*" 　　　) OR MH:EXP=("educational status" OR "intellectual disability" OR "autism spectrum disorder" OR "human development" 　　　))
	3.11. accidents, injury, violence	(TS=("disabil*" OR "drowning" OR "burn*" OR "ED visit*" OR "ER visit*" OR "accident*" OR "injur*" OR "violen*" OR "conflict*" OR "war$" OR "homicide*" OR "murder*" OR "attack*" OR "warfare$" OR "fight*" OR "bloodshed$" 　　　) OR MH:EXP=("wounds and injuries" OR "accidents" OR "burns" OR "emergency service, hospital" OR "violence" OR "warfare and armed conflicts" OR "homicide" OR "sex offenses" OR "war crimes" OR "combat disorders" 　　　))
	3.12. vector-borne	(TS=("malaria*" OR "dengue*" OR "mosquito*" OR "chikungunya" OR "leishmaniasis" OR "encephalit*" OR "vector-borne" OR "vectorborne" OR "zika*" OR "west nile" OR "rift valley" OR "o'nyong-nyong" OR "o'nyong nyong" OR "onchocercias*" OR "filarias*" OR "schistosomias*" OR "lyme" OR "hantavirus" OR "tick-borne" OR "tickborne" OR "mosquito-borne" OR "mosquitoborne" OR "arthropod-borne" OR "arthropodborne" OR "sandfl*" OR "lassa" OR "typhus" OR "haemorrhagic fever" OR "rickettsios*" OR "African trypanosomias*" OR "bilharzias*" OR "fluke infection*" OR "plague*" OR "trypanosomias*" OR "Chagas" OR "yellow fever" 　　　) OR MH:EXP=(

		"malaria" OR "dengue" OR "flavivirus" OR "Culicidae" OR "chikungunya fever" OR "chikungunya virus" OR "o'nyong-nyong virus" OR "leishmaniasis" OR "trypanosomiasis" OR "infectious encephalitis" OR "disease vectors" OR "rift valley fever virus" OR "rift valley fever" OR "insect vectors" OR "onchocerciasis" OR "simuliidae" OR "filariasis" OR "filarioidea" OR "schistosomiasis" OR "lyme disease" OR "lyme neuroborreliosis" OR "hantavirus infections" OR "hantavirus" OR "tick-borne diseases" OR "encephalitis viruses, tick-borne" OR "ehrlichiosis" OR "babesiosis" OR "encephalitis, tick-borne" OR "arbovirus infections" OR "dengue" OR "flavivirus" OR "arboviruses" OR "vector borne diseases" OR "phlebovirus" OR "bunyaviridae infections" OR "meningitis, viral" OR "hemorrhagic fever, american" OR "lassa fever" OR "spotted fever group rickettsiosis" OR "typhus, endemic flea-borne" OR "typhus, epidemic louse-borne" OR "scrub typhus" OR "rickettsiaceae infections" OR "rickettsia infections" OR "schistosomiasis" OR "schistosomatidae" OR "trematode infections" OR "trematoda" OR "plague" OR "yellow fever" OR "filarioidea" OR "filariasis"))

3.13. helminthic		(
		TS=(
		"helmint*" OR "cestod*" OR "hookworm" OR "ascarias*" OR "trichuriasis" OR "nematod*"
		    )
		OR
		MH:EXP=(
		"helminthiasis" OR "helminths"
		    )
		)

3.14. water-/food-related		(
		TS=(
		"waterborne" OR "water-borne" OR "diarrhoeal" OR "diarrheal" OR "Escherichia coli" OR "E* coli" OR "colitis" OR "campylobacter*" OR "yersinia*" OR "clostridium*" OR "botulism*" OR "vibrio*" OR "dysenter*" OR "amoebi*" OR "gastro*" OR "enteric" OR "enteritis" OR "vibrio bacteria*" OR "cyanobacteria*" OR "parasit*" OR "borrelia*" OR "neurotoxi*" OR "rotavirus*" OR "norovirus*" OR "hantavirus*" OR "choler*" OR "protozoa*" OR "salmonella*" OR "typhoid*" OR "giardia*" OR "shigella*" OR "campylobacter*" OR "food-borne" OR "foodborne" OR "aflatoxin*" OR "food poisoning" OR "ciguatera*" OR "leptospir*" OR "shellfish poisoning" OR "rotavirus"
		    )
		OR
		MH:EXP=(
		"waterborne diseases" OR "intestinal diseases, parasitic" OR "escherichia coli" OR "rotavirus infections" OR "escherichia coli infections" OR "clostridium infections" OR "gastroenteritis" OR "colitis" OR "dysentery" OR "enteritis" OR "gastritis/" OR "campylobacter" OR "campylobacter infections" OR "yersinia" OR "yersinia infections" OR "vibrio infections" OR "vibrio" OR "amebiasis" OR "entamoeba histolytica" OR "cyanobacteria" OR "borrelia" OR "borrelia infections" OR "gastrointestinal diseases" OR "norovirus" OR "caliciviridae" OR "caliciviridae infections" OR "hantavirus infections" OR "hantavirus" OR "protozoan infections" OR "salmonella" OR "salmonella infections" OR "giardia" OR "giardiasis" OR "shigella" OR "dysentery, bacillary" OR "foodborne diseases" OR "aflatoxins"
		    )
		)

3.15. other infectious diseases	(TS=("mening*" OR "hepatitis" OR "Kawasaki syndrom*" OR "Kawasaki diasease" OR "skin infections") OR MH:EXP=("encephalitis, viral" OR "meningitis, viral" OR "hepatitis, viral, human" OR "mucocutaneous lymph node syndrome" OR "skin diseases, infectious" OR "skin diseases, bacterial"))	
3.16. health behaviours	(TS=("walk*" OR "cycl*" OR "diet*" OR ("physical*" NEAR/1 "activ*") OR "sedentary") OR MH:EXP=("walking" OR "exercise" OR "bicycling" OR "diet, vegetarian" OR "diet, healthy" OR "sedentary behavior"))	
3.17. mental disorders	(TS=("schizophreni*" OR "schizoid*" OR "depress*" OR "anxious*" OR "anxiety" OR "traumatic" OR "post-trauma*" OR "posttrauma*" OR "pre-trauma*" OR "pretrauma*" OR "PTSD*" OR "psychotrauma*" OR "psychological trauma*" OR "stress*" OR "psycho*" OR "suicid*" OR "self-injur*" OR "selfinjur*" OR "panic*" OR "phobi*" OR "psychiatric" OR "distress" OR "affective symptom*" OR "affective disorder" OR "sleep" OR "insomnia*" OR "dyssomnia*" OR "somatization" OR "somatisation") OR MH:EXP=("mental health" OR "anxiety disorders" OR "mood disorders" OR "schizoid personality disorder" OR "schizotypal personality disorder" OR "affective disorders, psychotic" OR "schizophrenia" OR "sleep wake disorders" OR "somatoform disorders" OR "trauma and stressor related disorders" OR "depression" OR "self-injurious behavior" OR "stress, psychological" OR "anxiety" or "panic" OR "anxiety disorders" OR "psychological distress" OR "suicide"))	
3.18. other	(TS=("neurolog*" OR "endocrin*" OR "thyro*" OR "estrogen*" OR "androgen*" OR "progesteron*" OR "hygiene" OR "neurotoxi*" OR "osteoporos*" OR "hearing" OR "hormon*" OR "non-Hodgkin* lymphoma*" OR "Hodgkin* lymphoma*" OR "injur*" OR "acciden*" OR "epileps*" OR "neurobehaviour*" OR "neuro-behaviour*") OR MH:EXP=(	

		"endocrine disruptors" OR "estrogens" OR "thyroid hormones" OR "androgens" OR "progesterone" OR "hygiene" OR "autonomic nervous system diseases" OR "osteoporosis" OR "hearing" OR "hearing disorders" OR "lymphoma, non-hodgkin" OR "epilepsy, post-traumatic"))

4: wellbeing	**4.1. general wellbeing terms**	(
		TS=(
		"well-being" OR "wellbeing" OR ("life" NEAR/2 "satisf*") OR "wellness" OR "quality of life" OR "QOL" OR "Short Form Health Survey" OR "SF-36" OR "EQ50" OR "General Health Questionnaire*" OR "GHQ*" OR "WHOQOL" OR "hedonic" OR "eudemonic"
		    )
		OR
		MH:EXP=(
		"quality of life" OR "personal satisfaction"
		    )
		)

	4.2. emotions	(
		TS=(
		"emotion*" OR "aggressi*" OR "anger" OR "rage" OR "catastrophi?ing" OR "apathy" OR "apathic" OR "bereavement" OR "grief" OR "grieving" OR "boredom" OR "bored" OR "courage*" OR "disgust*" OR "fear*" OR "forgiveness" OR "frustration" OR "frustrated" OR "guilt" OR "shame" OR "happiness" OR "happy" OR "hate" OR "hostility" OR "jealous*" OR "lonel*" OR "love" OR "pleasure" OR "pleased" OR "sadness" OR "sad" OR "neurotic*" OR "negativism" OR "emotional* adjust*" OR "compassion*" OR "empath*" OR "apath*" OR "altruis*" OR "self-interest*" OR "selfinterest*" OR "selfacceptance" OR "self-acceptance" OR "self-esteem" OR "self?esteem" OR "vitality" OR "confidence" OR "self-worth" OR "selfworth" OR "fatigue*" OR "tiredness" OR "tired" OR "helplessness" OR "mindful*" OR "relationship*" OR "social problem*" OR "personal autonomy" OR "emotional" OR ("optimis*" not "optimi?ation") OR "pessimis*" OR "mood*" OR "emotion*" OR "calm" OR "calmness" OR "worry*" OR "sostalgi*" OR
		      (
		                ("meaning" OR "purpose" OR "worthless" OR "guilt*" OR "unworthy*" OR "worthy*" OR "engagement" OR "engaged" OR "curious*" OR "independen*" OR "dependen*" OR "resilien*" OR "cop*" OR "fragil*" OR "competence" OR "competent" OR "capab*" OR "incompeten*" OR "incapab*" OR "tension" OR "tense" OR "irritab*" OR "irritat*" OR "empath*" OR "apath*" OR "hope*" OR "apprehensi*" OR "content*" OR "respect*" OR "autonomy" OR "independence" OR "dependence" OR "dependent" OR "independent" OR "energetic" OR "helpless*")
		                NEAR/2
		                ("sense" OR "sensing" OR "feel*" OR "perceiv*" OR "psycholog*" OR "mental" OR "emotional" OR "personal")
		      )
		    )
		OR
		MH:EXP=(
		"emotions" OR "bonding, human-pet" OR "affect" OR "attitude" OR "defence mechanisms" OR "motivation" OR "mood disorders" OR "personality" OR "social behaviour" OR "mental processes" OR "behavioural symptoms" OR "child behaviour" OR "exploratory behaviour" OR "dangerous behaviour"

		))

	4.3. cognitive	(
		TS=(
		"attention deficit" OR "sense of coherence" OR "comprehension" OR "consciousness" OR "ruminat*" OR "metacognition" OR "imaginati*" OR "intuition" OR "perception" OR "awareness" OR "procrastination" OR "creativity" OR "problem solving" OR "decision making" OR "judgement" OR "concept formation" OR "creativity" OR "habituation" OR "deja vu" OR "clear thinking" OR "delusion*" OR "mental fatigue" OR "amnesia" OR "delirium" OR "burnout" OR "burn-out" OR "mental" OR "cognit*" OR "volition" OR "attentiveness" OR "wakefulness" OR "cognitive" OR "cognition"
		    (
		        ("attention" OR "mental concentration")
		        NEAR/2
		        ("problem*" OR "reduce*" OR "poor" OR "low" OR "good" OR "better" OR "improv*" OR "ability")
		    )
		    )
		OR
		MH:EXP=(
		"neurodevelopmental disorders" OR "neurocognitive disorders" OR "arousal" OR "mental processes" OR "mental fatigue" OR "neurobehavioral manifestations" OR "psychophysiology" OR "human development" OR "mental competency" OR "cognitive dysfunction"
		    )
		)

	4.4. social psychology	(
		TS=(
		    "psychosocial" OR "psycho-social" OR "problem* behaviour*" OR
		    (
		        ("relationship*" OR "relation*" OR "bonding" OR "bond" OR "bonds")
		        NEAR/2
		        ("social" OR "personal" OR "community" OR "family" OR "work")
		    )
		    OR (
		        ("connected*" OR "belonging" OR "includ*")
		        NEAR/3
		        ("sense" OR "sensing" OR "feel*" OR "perceiv*" OR "psycholog*")
		    )
		    )
		OR
		MH:EXP=(
		"psychosocial deprivation" OR "psychosocial support systems" OR "behavioural symptoms" OR "interpersonal relations" OR "social behaviour" OR "family relations" OR "psychology, social" OR "communication"
		    )
		)

2: all mitigation		2.1. OR 2.2. OR 2.3. OR 2.4. OR 2.5. OR 2.6.
3: all health		3.1. OR 3.2. OR 3.3. OR 3.4. OR 3.5. OR 3.6. OR 3.7. OR 3.8. OR 3.9. OR 3.10. OR 3.11. OR 3.12. OR 3.13. OR 3.14.
4: all wellbeing		4.1. OR 4.2. OR 4.3. OR 4.4.
5: health & wellbeing		3 OR 4

6: full	1 AND 2 AND 5 AND LANGUAGE:(English) AND DOCUMENT TYPES: (Adaptive Clinical Trial OR Case Reports OR Classical Article OR Clinical Trial OR Collected Works OR Comparative Study OR Controlled Clinical Trial OR Corrected And Republished Article OR Dataset OR Evaluation Studies OR Government Publications OR Journal Article OR Letter OR Multicenter Study OR Observational Study OR Pragmatic Clinical Trial OR Randomized Controlled Trial) AND PY=(1990-2020)

6: full	1 AND 2 AND 5 AND LANGUAGE:(English) AND DOCUMENT TYPES: (Adaptive Clinical Trial OR Case Reports OR Classical Article OR Clinical Trial OR Collected Works OR Comparative Study OR Controlled Clinical Trial OR Corrected And Republished Article OR Dataset OR Evaluation Studies OR Government Publications OR Journal Article OR Letter OR Multicenter Study OR Observational Study OR Pragmatic Clinical Trial OR Randomized Controlled Trial) AND PY=(1990-2020)

Table 2. Adaptation search strategy for the Medline (access via Web of Science)

Set	Sub-set	Terms

1: climate	**1. climate**	(
		TS=(
		      ("climat*"
		      NEAR/3 ("change*" OR "changing" OR "disrupt*" OR "hazard*" OR "impact*" OR "vulnerab*" OR "function*" OR "extreme*" OR "catastroph*" OR "emergenc*" OR "shift*" OR "variab*" OR "dynamic*" OR "sensitiv*")
		) OR
		(
		      ("global" OR "planet*" OR "world" OR "climate" OR "earth" OR "world-wide" OR "worldwide")
		      NEAR/1 ("heating" OR "warming")
		) OR
		"greenhouse effect" OR "greenhouse gas*" OR "Kyoto Protocol" OR "Paris agreement" OR "warming climat*" OR "changing climat*" OR "climat* warm*" OR "extreme weather" OR "natural hazard$" OR "global tipping point$" OR "thermal threshold$" OR "thermal stratification" OR "heatwave$" OR "heat-wave$" OR "coldwave$" OR "cold-wave$" OR "flood*" OR "water stress" OR "drought$" OR "tropical cyclone$" OR "hurricane$" OR "storm$" OR "windstorm$" OR "landslide$" OR "wildfire$" OR "wild-fire$" OR
		(
		      ("temperature$" OR "cold" OR "heat" OR "hot")
		      NEAR/4 ("extreme*" OR "elevate*" OR "irregular" OR "intense" OR "reduced")
		) OR
		(
		      ("arctic" OR "antarctic" OR "pack-ice" OR "ice-sheet" OR "glaci*" OR "snow*")
		      NEAR/3 ("shrink*" OR "decrease*" OR "melt*")
		) OR
		(
		      ("sea-level" OR "sealevel")
		      NEAR/5 ("rise$" OR "rising" OR "change$" OR "changing")
		) OR
		(
		      ("rain*" OR "precipitation")
		      NEAR/4 ("extreme$" OR "elevate$" OR "elevating" OR "irregular" OR "intense" OR "reduced" OR "pattern*")
		) OR
		(
		      ("tide" OR "tidal")
		      NEAR/2 ("surge" OR "surges")
		)
		)
		OR
		MH:EXP=(
		"climate change" OR "global warming" OR "sea level rise" OR "greenhouse effect" OR "natural disasters" OR "extreme weather" OR "hot temperature" OR "cold temperature" OR "sea level rise"
		)
		)

	2.1. explicit adaptation terms and their synonyms	(TS= ("adapt*" OR "mal-adapt*" OR "maladapt*" OR "cope*" OR "coping" OR "climate-proof*" OR "respond" OR "responded" OR "responding" OR "response*" OR "resilien*" OR "safeguard*" OR "sustain" OR "prepar*" OR (("reduc*" OR "minimi?*" OR "mitigat*" OR "moderat*" OR "lower*" OR "diminish*" OR "decreas*" OR "attenuat*" OR "manag*" OR "handl*" OR "abat*" OR "address*" OR "adjust*" OR "relief*" OR "reliev*" OR "stabil*" OR "aware*" OR "outreach" OR "learn*" OR "educ*" OR "control*" OR "protect*" OR "tackl*" OR "alleviat*" OR "monitor*" OR "index*" OR "indices" OR "indicator*" OR "prevent*" OR "communic*" OR "inform*" OR "shelter*" OR "guard" OR "guards" OR "guarding" OR "alert*" OR "defen*" OR "action*" OR "act" OR "map*" OR "assess*" OR "apprais*" OR "evaluate" OR "evaluation" OR "evaluated" OR "plan*" OR "policy" OR "policies" OR "finance*" OR "fund*" OR "taskforce*" OR "department*" OR "working group*" OR "guideline*") NEAR/3 ("impact*" OR "risk*" OR "sensitiv*" OR "danger*" OR "hazard*" OR "threat*" OR "effect*" OR "influenc*" OR "consequence*" OR "outcome*" OR "stress*" OR "vulnerab*" OR "drought*" OR "landslide*" OR "wind*" OR "downpour*" OR "flood*" OR "erosion*" OR "erode" OR "eroding" OR "inundat*" OR "cyclone$" OR "hurricane$" OR "storm$" OR "tornado*" OR "whirlwind*" OR "disaster*" OR "disrupt*" OR "extreme*" OR "heat*" OR "hot" OR "dehydrat*" OR "cold*" OR "blackout" OR "black-out" OR "power failure" OR "grid failure" OR "emergenc*" OR "crisis" OR "catastroph*" OR "fire*" OR "wild-fire*" OR "wildfire*" OR (("tide" OR "tidal") NEAR/3 "surge$") OR (("rain*" OR "precipitation") NEAR/3 ("extreme*" OR "elevate$" OR "elevating" OR "irregular" OR "intense" OR "reduced" OR "pattern*")) OR ("water" NEAR/3 ("scarcity" OR "poverty" OR "poor" OR "stress"))))) OR MH:EXP=("adaptation, physiological" OR "adaptation, psychological" OR "environmental monitoring" OR "disaster planning" OR "risk management"))
2: adaptation		

2: adaptation	2.2. adaptation to vector-borne and other infectious diseases (incl., food- and water-borne infections, allergies)	(TS=("surveil*" OR "vaccin*" OR (("disease*" OR "infect*" OR "epidemic*" OR "vector*" OR "condit*" OR "ill*" OR "sick*" OR "death*" OR "mortality" OR "morbidit*" OR "virus*" OR "viral" OR "symptom*" OR "syndrom*" OR "outbreak*" OR "mosquito*" OR "malaria" OR "dengue" OR "tick$" OR "encephalitis" OR "TBE" OR "lyme" OR "Hanta" OR "zoono*" OR "fever*" OR "plague" OR "chikungunya" OR "vibrio" OR (("food" OR "water") NEAR/3 ("pathogen*" OR "infect*")) OR "cholera" OR "parasite*" OR "bacteria" OR "salmonella" OR "campylobacter" OR "poisoning" OR "algal bloom*" OR "ciguatera" OR "shellfish" OR "diatom*" OR "microcyst*" OR "toxic" OR "diarrhoea*" OR "diarrhea*" OR "allerg*" OR "pollen" OR "eczema") NEAR/3 ("monitor*" OR "identif*" OR "notif*" OR "screen*" OR "report*" OR "watch*" OR "prepar*" OR "treat*" OR "map*" OR "test*" OR "surveil*" OR "address*" OR "manag*" OR "guard" OR "guards" OR "guarding" OR "adjust*" OR "relief*" OR "reliev*" OR "aware*" OR "outreach*" OR "learn*" OR "educ*" OR "control*" OR "protect*" OR "preserv*" OR "tackl*" OR "alleviat*" OR "prevent*" OR "alert*" OR "action*" OR "act" OR "interven*" OR "guideline*" OR "standard*" OR "finance*" OR "fund*" OR "invest*" OR "taskforce*" OR "department*" OR "working group*" OR "detect*" OR "regulat*" OR "modif*"))) OR MH:EXP=("health surveys" OR "nutrition surveys" OR "contact tracing" OR "disease notification" OR "epidemiological monitoring" OR "sentinel surveillance" OR "communicable disease control" OR "infection control" OR "guideline" OR "guideline adherence" OR "social control, formal" OR "health workforce"))

| 2: adaptation | 2.3. general health sector adaptation | (
 TS=(
 "forecast*" OR "warn*" OR "health insur*" OR "health coverage" OR "UHC" OR "medic* insur*" OR "medic* supply" OR "medic* supplies" OR
   (
      ("emergency" OR "health" OR "medical")
      NEAR/3 ("service*" OR "assist*" OR "help*" OR "care")
) OR
   "public awareness" OR "outreach" OR "sanit*" OR "hygien*"
)
OR
MH:EXP=(
"health impact assessment" OR "insurance, health" OR "forecasting" OR "universal health insurance" OR "delivery of healthcare" OR "health services accessibility" OR "health services" OR "health knowledge, attitudes, practice" OR "sanitation" OR "hygiene" OR "health education" OR "patient care" OR "health communication" OR "health facilities"
)
) |
| 2: adaptation | 2.4. adaptation to extreme weather events and disasters (incl., heat- and cold-related impacts, floods, storms, UV) | (
 TS=(
  "coastal protect*" OR "beach nourish*" OR "dam" OR "dams" OR "barrage*" OR "dyke*" OR "dike*" OR "embankment*" OR "levee*" OR "pump*" OR "flood-barrier*" OR "flood barrier*" OR "fortif*" OR "seawall*" OR "sea-wall*" OR "dune*" OR "shade*" OR "shading" OR "sand relemplish*" OR "window screen*" OR "UV protect*" OR "cool*" OR "air condition*" OR "rehydrat*" OR "evacuat*" OR "safe" OR "safety" OR
    ("river"
      NEAR/3 ("stabil*" OR "monitor*" OR "manag*")
) OR
    ("assist*"
      NEAR/3 ("migr*" OR "transloc*" OR "displac*")
) OR
    (
      ("improv*" OR "increas*" OR "better" OR "enhance*" OR "greater")
      NEAR/1 ("drain*" OR "permeab*" OR "run-off*" OR "runoff*" OR "infiltrat*")
)
)
OR
MH:EXP=(
"conservation of natural resources" OR "air conditioning"
)
) |

2: adaptation	2.5. adaptation for water and food security (incl., nutrition)	(TS=("irriga*" OR (("water" OR "waste-water" OR "wastewater" OR "storm-water" OR "stormwater" OR "rain-water" OR "rainwater") NEAR/3 ("effective*" OR "efficien*" OR "harvest*" OR "manag*" OR "stor*" OR "reus*" OR "capture" OR "treat*" OR "retention" OR "retain*" OR "access*" OR "use\$" OR "purif*")) OR ("crop switch*" OR "food stor*" OR "seed bank*" OR "food-bank*" OR "foodbank*" OR ("genet*" NEAR/3 "techn*") OR "food security" OR "nutrition* security" OR ("food" NEAR/3 "access") OR "crop insur*" OR (("high yield*" OR "early matur*" OR "faster grow*") NEAR/3 ("crop*" OR "animal*" OR "cattle\$" OR "seed*")))) OR MH:EXP=("agricultural irrigation" OR "conservation of water resources" OR "food storage" OR "seed bank" OR "food supply" OR "food assistance" OR "plants, genetically modified" OR "biotechnology" OR "nutritive value"))

2: adaptation	2.6. adaptation though bio-diversity	(TS=(("conserv*" OR (("biodiv*" OR "species" OR "nature" OR "habitat*" OR "ecosystem service$") NEAR/3 ("stabil*" OR "protect*" OR "preserv*" OR "secur*" OR "monitor*" OR "manag*" OR "access*" OR "aware*" OR "outreach" OR "maintain*" OR "restor*"))) AND ("health" OR "wellbeing" OR "well-being" OR "disease*" OR "illness*")) OR MH:EXP=("conservation of natural resources" OR "biodiversity" OR "environmental monitoring"))
2: adaptation	2.7. adaptation though green and blue space	(TS=(("tree*" NOT "decision tree") OR "green-space*" OR "greenspace*" OR "green wall*" OR "green roof*" OR "green infrastructure" OR "greenness" OR "greenery" OR "green land*" OR "greenway*" OR "greenbelt$" OR "urban green*" OR "urban wood*" OR "urban forest*" OR "agroforest*" OR "agro-forest*" OR "urban woodland*" OR "park" OR "parks" OR "parkland*" OR "garden*" OR "replant*" OR "vegetation" OR "revegetation" OR "re-vegetation" OR "rewild*" OR "natur*" OR "wetland*" OR "watershed*" OR "mangrove*" OR "delta*" OR "water reserve*" OR "revegetat*" OR "ecolog* restoration" OR "blue-space*" OR "bluespace*" OR "water bod*" OR "lake*" OR "river*" OR "reservoir*" OR "canal*" OR "stream*" OR "pond*" OR "coast*" OR "shore*" OR "waterfront*" OR "waterscape*" OR "overflow*" OR "water management" OR "green corridor*" OR "urban ventilation" OR "evapotranspiration" OR "sponge-city" OR "sponge-cities" OR "run-off" OR "ecosystem service*" OR "urban agriculture" (("land" OR "nature" OR "ecosystem*" OR "water*" OR "soil*") NEAR/3 ("restor*" OR "regenerat*"))) OR MH:EXP=("parks, recreational" OR "trees" OR "plants" OR "forests" OR "grassland" OR "wetlands" OR "ponds" OR "gardens" OR "nature" OR "biodiversity" OR "rivers" OR "lakes" OR "stream" OR "saline waters"))

| 2: adaptation | **2.8. adaptation though buildings and urban form** | (TS=("infrastr*" OR "insul*" OR "restor*" OR "regenerat*" OR "reconstr*" OR "re-buil*" OR "rebuil*" OR "ventilat*" OR "rehabilitat*" OR "revitaliz*" OR "upgrad*" OR "greenfill*" OR "greenfield*" OR "brownfield*" OR "cool* street*" OR "cool* pavement*" OR "green building*" OR "cool roof*" OR "green roof*" OR "white roof*" OR "eco-home*" OR "ecohome*" OR (("architecture" OR "design*") NEAR/3 ("climatic" OR "responsive" OR "environmental")) OR ("land" NEAR/1 "zon*") OR "zoning" OR "plan" OR "plans" OR "planning" OR "planned" OR "reflectiv*" OR "divers* development*" OR "mixed-use development*" OR "albedo" OR

    (

        ("building*" OR "occupant*" OR "dwelling*" OR "built environment*" OR "house*" OR "housing" OR "home*" OR "household*" OR ("resident*" NEAR/3 "propert*") OR "dwelling" OR "domestic" OR "nondomestic" OR "non-domestic" OR "care setting*" OR "shelter" OR "accommodation*" OR "office*" OR "school*" OR "built environment*" OR "residence*" OR "accommodation*" OR "shelter*" OR "slum*" OR "commercial" OR "industrial" OR "hospital")
        AND
        (
            (
                ("certification*" OR "standard*" OR "regulation*" OR "code*" OR "rating tool*" OR "assessment tool*")
                NEAR/3
                ("sustainabil*" OR "carbon" OR "efficien*" OR "energy")
) OR
        "insulat*" OR "natural ventilation" OR "green design*" OR "sustainable design*" OR "ecodesign" OR "eco-design" OR "shading" OR "greening" OR "passiv*" OR "air tightness" OR "air exchange" OR "efficiency measure*" OR "upgrad*" OR "renovat*" OR "improv*" OR "high albedo" OR "climatic layout*" OR "retrofit*" OR "energy efficien*" OR "shutters" OR "thermal capacit*" OR "thermal mass*" OR "compact*"
)
)
)
OR
MH:EXP=(
"ventilation" OR "air conditioning" OR "heating" OR "lighting" OR Architecture/cl, st [Classification, Standards] OR Housing/cl, st [Classification, Standards] or "environment design" OR "conservation of energy resources" OR "facility design and construction" OR "non-medical public and private facilities" OR "building codes" OR "city planning" OR "urbanization" OR "urban renewal" OR "social planning" OR "environmental design" OR "cities" OR "urban health" OR "residence characteristics" OR "environmental restoration and remediation"
)
) |

2: adaptation	2.9. adaptation through energy sector	(
		 TS=(
		     "standby power" OR "microgrid*" OR "micro-grid*" OR
		     (
		         ("backup" OR "back-up")
		         NEAR/3 ("generator*" OR "pump*" OR "batter*")
		     ) OR
		     (
		         ("energy*" OR "electricity" OR "power")
		         NEAR/3 ("secur*" OR "stabil*" OR "access*" OR "availab*" OR "suppl*")
		     )
		)
		 OR
		 MH:EXP=(
		 "electric power supplies"
		     )
		)

2: adaptation	2.10. adaptation through transport sector	(
		 TS=(
		     ("infrastr*" OR "facilit*" OR "design*" OR "buil*" OR "restor*" OR "regenerat*" OR "reconstr*" OR "re-buil*" OR "rebuil*" OR "drainage*" OR "rehabilitat*" OR "revitaliz*" OR "upgrad*" OR "intelligent transport system*" OR "congestion pric*" OR "congestion charge$" OR "congestion fee$" OR "road pric* fare" OR "fuel emission standard$" OR "pedestrian-friend*" OR "carsharing" OR "car-sharing" OR "ridesourcing" OR "ride-sourcing" OR "transport-oriented development*" OR "TOD" OR "connectivity" OR "network*")
		     NEAR/3
		     ("bridge$" OR "tunnel$" OR "railway line$" OR "road$" OR "airport$" OR "seaport$" OR "bicycle lane$" OR "sidewalk$" OR "bus lane$" OR "mass rapid transit$" OR "public transit$" OR "public vehicle$" OR "bicycle$" OR "walking" OR "foot" OR "pedestrian$" OR "active transport*" OR "ridership*" OR "beltway$" OR "transit access" OR "parking")
		     )
		 OR
		 MH:EXP=(
		 "transportation" OR "motor vehicles" OR "railroads" OR "walking" OR "bicycling" OR "ships" OR "vehicle emissions" OR "automobile driving" OR "automobiles" OR "travel" OR "pedestrians" OR "parking facilities" OR "gasoline" OR "bioelectric energy sources" OR "fuel oils" OR "biofuels" OR "traffic-related pollution" OR "hydrogen" OR "noise, transportation" OR "transportation facilities"
		     )
		)

2: adaptation	**2.11. adaptation through other sectors and services**	(
		TS=(
		"technolog*" OR
		    (
		        ("municipal" OR "climat*" OR "water" OR "wast*" OR "sewage*" OR "sewer*" OR "industr*" OR "social*" OR "commun*") NEAR/3 ("servic*" OR "manag*" OR "treat*")
		    )
		  )
		OR
		MH:EXP=(
		"technology" OR "water supply" OR "waste management" OR "water purification" OR "recycling" OR "social welfare" OR "social work"
		    )
		)

2: adaptation	**2.12. ground-work activities**	(
		TS=(
		    "workshop$" OR "meeting$" OR "educat*" OR "inform*" OR "train*" OR "outreach*" OR "disseminat*" OR "campaign*" OR "advoca*" OR "behavior chang*" OR
		    (
		        ("vulnerab*" OR "impact*" OR "risk")
		        NEAR/3 ("assess*" OR "map*" OR "model*")
		    ) OR
		    (
		        ("local" OR "traditional" OR "indigenous")
		        NEAR/3 ("know*" OR "manag*")
		    ) OR
		    ("know*" NEAR/3 "shar*") OR
		    (
		        ("model*" OR "scenario*" OR "tool*")
		        NEAR/3
		        ("decision*" OR "polic*" OR "plan*" OR "strategy*" OR "communicat*" OR "choice$" OR "choos*")
		    ) OR
		    (
		        ("develop*" OR "strengthen*" OR "establish*" OR "expand*" OR "increase*" OR "create$" OR "creating" OR "build*" OR "mobiliz*" OR "mobilis*")
		        NEAR/3 ("resource*" OR "commun*" OR "capabil*" OR "capac*" OR "skill*" OR "personnel*" OR "staff" OR "workforce*" OR "know*" OR "understand*" OR "aware*" OR "social capital*" OR "cohesi*" OR "collaborat*" OR "research*" OR "network*" OR "partnership*" OR "coalition*" OR "cooperat*" OR "recommend*" OR "statement*" OR "framework*" OR "goal*")
		    )
		    )
		OR
		MH:EXP=(
		"education" OR "consumer health information" OR "health information systems" OR "information dissemination" OR "information centers" OR "information literacy" OR "inservice training" OR "information dissemination" OR "health promotion" OR "knowledge" OR "capacity building" OR "intersectoral collaboration" OR "community-institutional relations" OR "interdepartmental relations" OR "interinstitutional relations" OR "social capital" OR "interdisciplinary communication" OR "research"
		    )
		)

		3.1. general health terms	(TS=("health*" OR "ill" OR "illness*" OR "disease*" OR "syndrome*" OR "infect*" OR "virus*" OR "medical*" OR "DALY*" OR "life year*" OR "burden of disease*" OR "QALY*" OR "mortality" OR "morbidit*" OR "survival*" OR "death*" OR "hospital*" OR "emergency" OR "doctor*" OR "GP" OR "general practitioner*" OR "prevalen*" OR "incidenc*" OR "syndrom*") OR MH:EXP=("health status" OR "health" OR "adolescent health" OR "child health" OR "family health" OR "global health" OR "infant health" OR "minority health" OR "occupational health" OR "one health" OR "population health" OR "public health" OR "social determinants of health" OR "women's health" OR "disease" OR "Quality-Adjusted Life Years" OR "mortality" OR "morbidity" OR "death" OR "hospitalization"))
3: health	**3.2. nutritional**		(TS=("obes*" OR "over-weight" OR "overweight" OR "under-weight" OR "underweight" OR "hunger" OR "stunting" OR "wasting" OR "undernourish*" OR "undernutrition" OR "anthropometr*" OR "malnutrition" OR "malnour*" OR "anemia" OR "anaemia" OR "micronutrient*" OR "micro-nutrient*" OR "vitamin deficienc*" OR "BMI" OR "body mass index" OR "cholesterol" OR "nutritional disease*" OR "hypoalimentation") OR MH:EXP=("nutrition disorders" OR "body weights and measures" OR "nutritional status" OR "hunger" OR "cholesterol"))
	3.3. cardio- and cerebro- vascular		(TS=("hypertensi*" OR "blood pressure" OR "stroke*" OR "renovascular" OR "cardiovascular" OR "cerebrovascular" OR ("CVD" NOT ("vapor" OR "vapour")) OR "heart disease*" OR "ischemic" OR "ischaemic" OR "cardiovascular" OR "cardio-vascular" OR "heart attack*" OR "coronary" OR "CHD" OR "cardiorespiratory" OR "cardio-respiratory" OR "cerebrovascular" OR "cerebro-vascular" OR "arrhythmia*" OR "heart failure*" OR "MI" OR "myocardial infarction*" OR "AMI" OR "IHD*" OR "angina*" OR "atheroscleros*" OR "vascular" OR "aneurysm*" OR "thrombos*" OR "embolism*" OR "atheroscleros*" OR "headache*") OR MH:EXP=("heart diseases" OR "vascular diseases" OR "cerebrovascular disorders" OR "headache disorders"))

	3.4. respiratory	(
		TS=(
		"respiratory" OR "lung*" OR "asthma*" OR "bronchi*" OR "cough*" OR "pulmonary*" OR "COPD" OR "chronic obstructive pulmonary disease" OR "rhinitis" OR "wheez*" OR "tuberculosis" OR "TB" OR "URTI*" OR "RTI*" OR "LRI*" OR "ALRI*" OR "emphysema*" OR "flu" OR "influenza" OR "coronavirus*" OR "COVID*" OR "SARS*" OR "severe acute respiratory syndrom*" OR "steptococ*" OR "staphylococ*" OR "pneumonia*" OR "emphysema*"
		    )
		OR
		MH:EXP=(
		"respiratory tract diseases" OR "respiratory tract infections"
		    )
		)

	3.5. renal	(
		TS=(
		"CKD" OR "chronic kidney disease*" OR "renal" OR "kidney stone*" OR "renal calcul*" OR "kidney disease of nontraditinal origin" OR "kidney disease of non-traditinal origin" OR "CKDnt" OR "proteinuria*" OR "acute renal failure"
		    )
		OR
		MH:EXP=(
		"renal insufficiency" OR "kidney calculi"
		    )
		)

	3.6. thermal effects	(
		TS=(
		"thermal stress" OR "hypertherm*" OR "hypotherm*" OR "dehydrat*" OR "heat exhaust*" OR "electrolyte imbalance*" OR "labour productiv*" OR "thermal comfort" OR
		      ("heat
		      NEAR/2 ("stress*" OR "strain*" OR "stroke*" OR "exhaustion" OR "cramp*")
		      )
		    )
		OR
		MH:EXP=(
		"heat-shock response" OR "heat stress disorders" OR "hypothermia" OR "dehydration" OR "water-electrolyte imbalance" OR "heat stress disorders"
		    )
		)

	3.7. other non-communicable diseases	(
		TS=(
		"blood glucose" OR "diabet*" OR "hyperlipidemia" OR "dementia*" OR "Alzheimer*" OR "Parkinson*" OR "NCD*" OR "non-communicable" OR "noncommunicable" OR "hypoglycaemi*" OR "metabolic"
		    )
		OR
		MH:EXP=(
		"metabolic diseases" OR "blood glucose" OR "diabetes mellitus" OR "dyslipidemias" OR "hypoglycemia" OR "dementia" OR "Alzheimer disease" OR "Parkinson disease"
		    )
		)

	3.8. allergies	(TS=("allerg*" OR "hayfever*") OR MH:EXP=("hypersensitivity" OR "rhinitis, allergic"))
	3.9. birth-related	(TS=("preterm" OR "pre-term" OR "stillbirth*" OR "still-birth*" OR "stillborn*" OR "still-born*" OR "miscarriage*" OR "spontaneous abort*" OR "birth defect*" OR "birthweight" OR "birth-weight" OR "LBW" OR "pre-eclamp*" OR "preeclamp*" OR "chromosomal abnormalit*") OR MH:EXP=("stillbirth" OR "premature birth" OR "infant, premature" OR "infant, low birth weight" OR "congenital abnormalities" OR "abortion, spontaneous" OR "birth weight" OR "pre-eclampsia"))
	3.10. developmental	(TS=("education* attainment*" OR "mental retard*" OR "intellectual disability" OR "autism" OR "autistic" OR "asperger*" OR ("child*" NEAR/2 "develop*") OR "neurodevelop*") OR MH:EXP=("educational status" OR "intellectual disability" OR "autism spectrum disorder" OR "human development"))
	3.11. accidents, injury, violence	(TS=("disabil*" OR "drowning" OR "burn*" OR "ED visit*" OR "ER visit*" OR "accident*" OR "injur*" OR "violen*" OR "conflict*" OR "war$" OR "homicide*" OR "murder*" OR "attack*" OR "warfare$" OR "fight*" OR "bloodshed$") OR MH:EXP=("wounds and injuries" OR "accidents" OR "burns" OR "emergency service, hospital" OR "violence" OR "warfare and armed conflicts" OR "homicide" OR "sex offenses" OR "war crimes" OR "combat disorders"))

3.12. vector-borne	(TS=("malaria*" OR "dengue*" OR "mosquito*" OR "chikungunya" OR "leishmaniasis" OR "encephalit*" OR "vector-borne" OR "vectorborne" OR "zika*" OR "west nile" OR "rift valley" OR "o'nyong-nyong" OR "o'nyong nyong" OR "onchocercias*" OR "filarias*" OR "schistosomias*" OR "lyme" OR "hantavirus" OR "tick-borne" OR "tickborne" OR "mosquito-borne" OR "mosquitoborne" OR "arthropod-borne" OR "arthropodborne" OR "sandfl*" OR "lassa" OR "typhus" OR "haemorrhagic fever" OR "rickettsios*" OR "African trypanosomias*" OR "bilharzias*" OR "fluke infection*" OR "plague*" OR "trypanosomias*" OR "Chagas" OR "yellow fever" 　　　) OR MH:EXP=("malaria" OR "dengue" OR "flavivirus" OR "Culicidae" OR "chikungunya fever" OR "chikungunya virus" OR "o'nyong-nyong virus" OR "leishmaniasis" OR "trypanosomiasis" OR "infectious encephalitis" OR "disease vectors" OR "rift valley fever virus" OR "rift valley fever" OR "insect vectors" OR "onchocerciasis" OR "simuliidae" OR "filariasis" OR "filarioidea" OR "schistosomiasis" OR "lyme disease" OR "lyme neuroborreliosis" OR "hantavirus infections" OR "hantavirus" OR "tick-borne diseases" OR "encephalitis viruses, tick-borne" OR "ehrlichiosis" OR "babesiosis" OR "encephalitis, tick-borne" OR "arbovirus infections" OR "dengue" OR "flavivirus" OR "arboviruses" OR "vector borne diseases" OR "phlebovirus" OR "bunyaviridae infections" OR "meningitis, viral" OR "hemorrhagic fever, american" OR "lassa fever" OR "spotted fever group rickettsiosis" OR "typhus, endemic flea-borne" OR "typhus, epidemic louse-borne" OR "scrub typhus" OR "rickettsiaceae infections" OR "rickettsia infections" OR "schistosomiasis" OR "schistosomatidae" OR "trematode infections" OR "trematoda" OR "plague" OR "yellow fever" OR "filarioidea" OR "filariasis" 　　　))	
3.13. helminthic	(TS=("helmint*" OR "cestod*" OR "hookworm" OR "ascarias*" OR "trichuriasis" OR "nematod*" 　　　) OR MH:EXP=("helminthiasis" OR "helminths" 　　　))	

	3.14. water-/food-related	(
		TS=(
		"waterborne" OR "water-borne" OR "diarrhoeal" OR "diarrheal" OR "Escherichia coli" OR "E* coli" OR "colitis" OR "campylobacter*" OR "yersinia*" OR "clostridium*" OR "botulism*" OR "vibrio*" OR "dysenter*" OR "amoebi*" OR "gastro*" OR "enteric" OR "enteritis" OR "vibrio bacteria*" OR "cyanobacteria*" OR "parasit*" OR "borrelia*" OR "neurotoxi*" OR "rotavirus*" OR "norovirus*" OR "hantavirus*" OR "choler*" OR "protozoa*" OR "salmonella*" OR "typhoid*" OR "giardia*" OR "shigella*" OR "campylobacter*" OR "food-borne" OR "foodborne" OR "aflatoxin*" OR "food poisoning" OR "ciguatera*" OR "leptospir*" OR "shellfish poisoning" OR "rotavirus"
		     )
		OR
		MH:EXP=(
		"waterborne diseases" OR "intestinal diseases, parasitic" OR "escherichia coli" OR "rotavirus infections" OR "escherichia coli infections" OR "clostridium infections" OR "gastroenteritis" OR "colitis" OR "dysentery" OR "enteritis" OR "gastritis/" OR "campylobacter" OR "campylobacter infections" OR "yersinia" OR "yersinia infections" OR "vibrio infections" OR "vibrio" OR "amebiasis" OR "entamoeba histolytica" OR "cyanobacteria" OR "borrelia" OR "borrelia infections" OR "gastrointestinal diseases" OR "norovirus" OR "caliciviridae" OR "caliciviridae infections" OR "hantavirus infections" OR "hantavirus" OR "protozoan infections" OR "salmonella" OR "salmonella infections" OR "giardia" OR "giardiasis" OR "shigella" OR "dysentery, bacillary" OR "foodborne diseases" OR "aflatoxins"
		     )
		)

	3.15. other infectious diseases	(
		TS=(
		"mening*" OR "hepatitis" OR "Kawasaki syndrom*" OR "Kawasaki diasease" OR "skin infections"
		     )
		OR
		MH:EXP=(
		"encephalitis, viral" OR "meningitis, viral" OR "hepatitis, viral, human" OR "mucocutaneous lymph node syndrome" OR "skin diseases, infectious" OR "skin diseases, bacterial"
		     )
		)

	3.16. health behaviours	(
		TS=(
		"walk*" OR "cycl*" OR "diet*" OR ("physical*" NEAR/1 "activ*") OR "sedentary"
		     )
		OR
		MH:EXP=(
		"walking" OR "exercise" OR "bicycling" OR "diet, vegetarian" OR "diet, healthy" OR "sedentary behavior"
		     )
		)

	3.17. mental disorders	(TS=("schizophreni*" OR "schizoid*" OR "depress*" OR "anxious*" OR "anxiety" OR "traumatic" OR "post-trauma*" OR "posttrauma*" OR "pre-trauma*" OR "pretrauma*" OR "PTSD*" OR "psychotrauma*" OR "psychological trauma*" OR "stress*" OR "psycho*" OR "suicid*" OR "self-injur*" OR "selfinjur*" OR "panic*" OR "phobi*" OR "psychiatric" OR "distress" OR "affective symptom*" OR "affective disorder" OR "sleep" OR "insomnia*" OR "dyssomnia*" OR "somatization" OR "somatisation") OR MH:EXP=("mental health" OR "anxiety disorders" OR "mood disorders" OR "schizoid personality disorder" OR "schizotypal personality disorder" OR "affective disorders, psychotic" OR "schizophrenia" OR "sleep wake disorders" OR "somatoform disorders" OR "trauma and stressor related disorders" OR "depression" OR "self-injurious behavior" OR "stress, psychological" OR "anxiety" or "panic" OR "anxiety disorders" OR "psychological distress" OR "suicide"))
	3.18. other	(TS=("neurolog*" OR "endocrin*" OR "thyro*" OR "estrogen*" OR "androgen*" OR "progesteron*" OR "hygiene" OR "neurotoxi*" OR "osteoporos*" OR "hearing" OR "hormon*" OR "non-Hodgkin* lymphoma*" OR "Hodgkin* lymphoma*" OR "injur*" OR "acciden*" OR "epileps*" OR "neurobehaviour*" OR "neuro-behaviour*") OR MH:EXP=("endocrine disruptors" OR "estrogens" OR "thyroid hormones" OR "androgens" OR "progesterone" OR "hygiene" OR "autonomic nervous system diseases" OR "osteoporosis" OR "hearing" OR "hearing disorders" OR "lymphoma, non-hodgkin" OR "epilepsy, post-traumatic"))
4: wellbeing	**4.1. general wellbeing terms**	(TS=("well-being" OR "wellbeing" OR ("life" NEAR/2 "satisf*") OR "wellness" OR "quality of life" OR "QOL" OR "Short Form Health Survey" OR "SF-36" OR "EQ50" OR "General Health Questionnaire*" OR "GHQ*" OR "WHOQOL" OR "hedonic" OR "eudemonic") OR MH:EXP=("quality of life" OR "personal satisfaction"))

	4.2. emotions	(
		 TS=(
		 "emotion*" OR "aggressi*" OR "anger" OR "rage" OR "catastrophi?ing" OR "apathy" OR "apathic" OR "bereavement" OR "grief" OR "grieving" OR "boredom" OR "bored" OR "courage*" OR "disgust*" OR "fear*" OR "forgiveness" OR "frustration" OR "frustrated" OR "guilt" OR "shame" OR "happiness" OR "happy" OR "hate" OR "hostility" OR "jealous*" OR "lonel*" OR "love" OR "pleasure" OR "pleased" OR "sadness" OR "sad" OR "neurotic*" OR "negativism" OR "emotional* adjust*" OR "compassion*" OR "empath*" OR "apath*" OR "altruis*" OR "self-interest*" OR "selfinterest*" OR "selfacceptance" OR "self-acceptance" OR "self-esteem" OR "self?esteem" OR "vitality" OR "confidence" OR "self-worth" OR "selfworth" OR "fatigue*" OR "tiredness" OR "tired" OR "helplessness" OR "mindful*" OR "relationship*" OR "social problem*" OR "personal autonomy" OR "emotional" OR ("optimis*" not "optimi?ation") OR "pessimis*" OR "mood*" OR "emotion*" OR "calm" OR "calmness" OR "worry*" OR "sostalgi*" OR
		
		    (
		           ("meaning" OR "purpose" OR "worthless" OR "guilt*" OR "unworthy*" OR "worthy*" OR "engagement" OR "engaged" OR "curious*" OR "independen*" OR "dependen*" OR "resilien*" OR "cop*" OR "fragil*" OR "competence" OR "competent" OR "capab*" OR "incompeten*" OR "incapab*" OR "tension" OR "tense" OR "irritab*" OR "irritat*" OR "empath*" OR "apath*" OR "hope*" OR "apprehensi*" OR "content*" OR "respect*" OR "autonomy" OR "independence" OR "dependence" OR "dependent" OR "independent" OR "energetic" OR "helpless*")
		           NEAR/2
		           ("sense" OR "sensing" OR "feel*" OR "perceiv*" OR "psycholog*" OR "mental" OR "emotional" OR "personal")
		    )
		  )
		 OR
		 MH:EXP=(
		 "emotions" OR "bonding, human-pet" OR "affect" OR "attitude" OR "defence mechanisms" OR "motivation" OR "mood disorders" OR "personality" OR "social behaviour" OR "mental processes" OR "behavioural symptoms" OR "child behaviour" OR "exploratory behaviour" OR "dangerous behaviour"
		    )
		)

	4.3. cognitive	(
		TS=(
		"attention deficit" OR "sense of coherence" OR "comprehension" OR "consciousness" OR "ruminat*" OR "metacognition" OR "imaginati*" OR "intuition" OR "perception" OR "awareness" OR "procrastination" OR "creativity" OR "problem solving" OR "decision making" OR "judgement" OR "concept formation" OR "creativity" OR "habituation" OR "deja vu" OR "clear thinking" OR "delusion*" OR "mental fatigue" OR "amnesia" OR "delirium" OR "burnout" OR "burn-out" OR "mental" OR "cognit*" OR "volition" OR "attentiveness" OR "wakefulness" OR "cognitive" OR "cognition"
		
		 (
		  ("attention" OR "mental concentration")
		  NEAR/2
		  ("problem*" OR "reduce*" OR "poor" OR "low" OR "good" OR "better" OR "improv*" OR "ability")
		)
		)
		OR
		MH:EXP=(
		"neurodevelopmental disorders" OR "neurocognitive disorders" OR "arousal" OR "mental processes" OR "mental fatigue" OR "neurobehavioral manifestations" OR "psychophysiology" OR "human development" OR "mental competency" OR "cognitive dysfunction"
		)
		)

	4.4. social psychology	(
		TS=(
		 "psychosocial" OR "psycho-social" OR "problem* behaviour*" OR
		 (
		  ("relationship*" OR "relation*" OR "bonding" OR "bond" OR "bonds")
		  NEAR/2
		  ("social" OR "personal" OR "community" OR "family" OR "work")
		)
		 OR (
		  ("connected*" OR "belonging" OR "includ*")
		  NEAR/3
		  ("sense" OR "sensing" OR "feel*" OR "perceiv*" OR "psycholog*")
		)
		)
		OR
		MH:EXP=(
		"psychosocial deprivation" OR "psychosocial support systems" OR "behavioural symptoms" OR "interpersonal relations" OR "social behaviour" OR "family relations" OR "psychology, social" OR "communication"
		)
		)

2: all adaptation		2.1. OR 2.2. OR 2.3. OR 2.4. OR 2.5. OR 2.6 OR 2.7. OR 2.8. OR 2.9. OR 2.10. OR 2.11.
3: all health		3.1. OR 3.2. OR 3.3. OR 3.4. OR 3.5. OR 3.6. OR 3.7. OR 3.8. OR 3.9. OR 3.10. OR 3.11. OR 3.12. OR 3.13. OR 3.14.
4: all wellbeing		4.1. OR 4.2. OR 4.3. OR 4.4.
5: health & wellbeing		3 OR 4

6: full	1 AND 2 AND 5 AND LANGUAGE:(English) AND DOCUMENT TYPES: (Adaptive Clinical Trial OR Case Reports OR Classical Article OR Clinical Trial OR Collected Works OR Comparative Study OR Controlled Clinical Trial OR Corrected And Republished Article OR Dataset OR Evaluation Studies OR Government Publications OR Journal Article OR Letter OR Multicenter Study OR Observational Study OR Pragmatic Clinical Trial OR Randomized Controlled Trial) AND PY=(1990-2020)

Acknowledgements and sources

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