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Supplemental Literature Searches

The National Academies’ Research Center conducted two supplemental literature searches to identify additional health outcomes and toxicity exposures related to fish and seafood consumption. A third supplemental literature search was conducted to identify modifying factors that may directly affect risk–benefit analysis for seafood consumption, including health equity, cultural practices, and underserved populations. Each literature search was conducted in multiple databases using controlled vocabulary terms. The search terms and results are provided in this appendix.

LITERATURE SEARCH: ADDITIONAL HEALTH OUTCOMES

Date: July 18, 2023

Database Searches:

Embase

- Provider: Ovid
- Date(s) Searched: July 18, 2023
- Date range searched: From January 1, 2010
- Search Terms:

Embase <1980 to 2023 Week 28>		
1	exp pregnancy/ or exp pregnant woman/ or exp lactation/ or exp breast feeding/ or exp maternal welfare/ or exp prenatal exposure/ or exp mother/ or exp perinatal period/ or exp maternal nutrition/ or exp infant/ or exp newborn/ or exp baby/ or exp fetus/ or exp child/ or exp childhood/ or exp preschool child/ or exp adolescent/ or exp pediatrics/	4561189
2	(pregnan* or lactation or breast feeding or prenatal exposure or pre pregnancy or prenatal or maternal or mother* or postpartum or perinatal or peri natal or pre conception or preconception or peri conception or periconceptional or	2764462

	peripartum or gestation* or natal or puerperium or infant or newborn* or childhood or baby or babies or fetus or child or preschool or adolescent or teen* or pediatric*).ti,ab.	
3	1 or 2	5218268
4	exp sea food/ or exp fish/ or exp fish consumption/ or exp fish protein/ or exp fish product/ or exp fish meal/ or exp shellfish/ or exp shellfish protein/ or exp mercurialism/ or exp methylmercury/ or exp shark/ or exp tuna/ or exp salmonine/ or exp sardine/ or exp gadiformes/ or exp flounder/ or exp atlantic cod/ or exp tilapia/ or exp shrimp/ or exp oyster/ or exp mya/ or exp bivalve/ or exp clam/ or exp scallop/ or exp brachyura/ or exp crab/ or exp perciformes/ or exp mackerel/ or exp catfish/ or exp lobster/ or exp decapodiformes/ or exp squid/ or exp halibut/ or exp crayfish/ or exp anchovy/ or exp herring/ or exp rockfish/ or exp omega 3 fatty acid/	345148
5	(seafood* or fish or fish consumption or fish protein* or fish product* or fish meal* or fatty fish or shellfish protein* or mercurialism or methylmercury or shark or swordfish or tuna or salmonine or salmon or sardine* or gadiformes or pollock or flounder or cod or tilapia or shrimp or oyster* or bivalve or mya or clam or clams or scallop* or crab or 152 perciformes or mackerel or catfish or trout or lobster or squid or decapodiformes or halibut or mahi mahi or crayfish or crawfish or achov* or herring or rockfish or marine product* or omega 3 fatty acid*).ti,ab.	370921
6	4 or 5	518211
7	exp allergy/ or exp immune function/ or exp immunity/ or exp cardiovascular disease/ or exp chronic disease/ or exp malignant neoplasm/	10069017
8	(chronic disease* or cardiovascular disease* or immune-system-phenomena or immune function or immune system phenomena or immunity or allergy or cancer).ti,ab.	3686171
9	7 or 8	10974405
10	3 and 6 and 9	13220
11	limit 10 to (english language and yr="2010 -Current")	9532
12	11 and (systematic review/ or meta analysis/) and humans/	152
13	12 not (conference abstract/ or conference review/ or conference paper/ or editorial/ or erratum/ or letter/ or note/)	109

PubMed

- Provider: U.S. National Library of Medicine
- Date(s) Searched: July 18, 2023
- Date range searched: From January 1, 2010
- Search Terms:

#1 - "Pregnancy"[Mesh] OR pregnancy[tiab] OR "Pregnant Women"[Mesh] OR "pregnant women"[tiab] OR pregnant[tiab] OR "Lactation"[Mesh] OR lactation OR "Breast Feeding"[Mesh] OR "breast feeding"[tiab] OR "Maternal Health"[Mesh] OR "maternal health"[tiab] OR "Prenatal Exposure Delayed Effects"[Mesh] OR "Maternal Exposure"[Mesh] OR pregnan*[tiab] OR pre-pregnancy[tiab] OR prenatal[tiab] OR maternal[tiab] OR mother*[tiab] OR postpartum[tiab] OR perinatal[tiab] OR perinatal[tiab] OR preconception[tiab] OR preconception[tiab] OR peri-conception[tiab] OR periconceptional[tiab] OR "Peripartum Period"[Mesh] OR peripartum[tiab] OR peri-partum[tiab] OR gestation*[tiab] OR natal[tiab] OR puerperium[tiab] OR "Maternal Nutritional Physiological

PRIVILEGED DRAFT: DO NOT CITE, QUOTE, OR CIRCULATE

Phenomena"[Mesh] OR "Infant"[Mesh] OR infant[tiab] OR "Infant, Newborn"[Mesh] OR newborn[tiab] OR baby[tiab] OR babies[tiab] OR "Fetus"[Mesh] OR fetus[tiab] OR "Child"[Mesh] OR toddler*[tiab] OR child[tiab] OR children[tiab] OR childhood[tiab] OR "Child, Preschool"[Mesh] OR preschool[tiab] OR teen*[tiab] OR "Adolescent"[Mesh] OR adolescent*[tiab] OR "Pediatrics"[Mesh] OR pediatric*[tiab]

#2 - Seafood[tiab] OR "Seafood"[Mesh] OR seafoods[tiab] OR sea-food[tiab] OR "sea food"[tiab] OR sea-foods[tiab] OR fish[tiab] OR "fish consumption"[tiab] OR "Fishes"[Mesh] OR fishes[tiab] OR "Fish Proteins"[Mesh] OR "fish proteins"[tiab] OR "fish products"[tiab] OR "fish flour"[tiab] OR "fatty fish"[tiab] OR shellfish[tiab] OR "shellfish proteins"[tiab] OR "mercury poisoning"[tiab] OR "Mercury Poisoning"[Mesh] OR methylmercury[tiab] OR "Sharks"[Mesh] OR sharks[tiab] OR swordfish[tiab] OR "Tuna"[Mesh] OR tuna[tiab] OR "Salmon"[Mesh] OR salmon[tiab] OR sardines[tiab] OR "Gadiformes"[Mesh] OR pollock[tiab] OR "Flounder"[Mesh] OR flounder[tiab] OR cod[tiab] OR "Tilapia"[Mesh] OR tilapia[tiab] OR shrimp[tiab] OR "Ostreidae"[Mesh] OR oysters[tiab] OR "Mya"[Mesh] OR "Bivalvia"[Mesh] OR clams[tiab] OR "Pectinidae"[Mesh] OR scallops[tiab] OR "Brachyura"[Mesh] OR crab[tiab] OR "Perciformes"[Mesh] OR mackerel[tiab] OR "Catfishes"[Mesh] OR catfishes[tiab] OR "Trout"[Mesh] OR trout[tiab] OR lobster[tiab] OR "Decapodiformes"[Mesh] OR squid[tiab] OR halibut[tiab] OR "mahi mahi"[tiab] OR crawfish[tiab] OR anchovy[tiab] OR herring[tiab] OR rockfish[tiab] OR marine product[tiab] OR "Fatty Acids, Omega-3"[Mesh]

#3 - "Allergy and Immunology"[Mesh] OR "Immunity"[Mesh] or "Immune System Phenomena"[Mesh] or "Cardiovascular Diseases"[Mesh] or "Chronic Disease"[Mesh] or "Neoplasms"[Mesh] or allergy[tiab] or immune-system-phenomena[tiab] or immune function[tiab] or immune system phenomena[tiab] or immunity[tiab] or cardiovascular disease*[tiab] or chronic disease*[tiab] or cancer[tiab]

#4 - (#1 AND #2 AND #3)

#5 - #4 NOT ("Animals"[Mesh] NOT ("Animals"[Mesh] AND "Humans"[Mesh])) NOT (editorial[ptyp] OR comment[ptyp] OR news[ptyp] OR letter[ptyp] or retracted publication[ptyp] OR retraction of publication[ptyp] OR retraction of publication[tiab] OR retraction notice[ti])

#6 - #5 and (systematic review[ptyp] OR systematic review[ti] OR meta-analysis[ptyp] OR meta-analysis[ti] OR meta-analyses[ti])

Filters: Publication date from 2010/01/01; English

Results: 73

LITERATURE SEARCH: ADDITIONAL TOXICITY EXPOSURES

Search Strategy

Date: July 21, 2023

Database Searches:

Embase

- Provider: Ovid
- Date(s) Searched: July 21, 2023
- Date range searched: From January 1, 2000

PRIVILEGED DRAFT: DO NOT CITE, QUOTE, OR CIRCULATE

- Search Terms:

Embase <1980 to 2023 Week 28>		
1	exp sea food/ or exp fish/ or exp fish consumption/ or exp fish protein/ or exp fish product/ or exp fish flour/ or exp shellfish/ or exp shellfish protein/ or exp mercurialism/ or exp methylmercury/ or exp shark/ or exp swordfish/ or exp tuna/ or exp salmonine/ or exp sardine/ or exp gadiformes/ or exp flounder/ or exp atlantic cod/ or exp cod/ or exp tilapia/ or exp shrimp/ or exp oyster/ or exp mya/ or exp bivalve/ or exp clam/ or exp scallop/ or exp brachyura/ or exp crab/ or exp perciformes/ or exp mackerel/ or exp lobster/ or exp decapodiformes/ or exp squid/ or exp halibut/ or exp crayfish/ or exp anchovy/ or exp herring/ or exp rockfish/ or exp cetacea/ or exp perch/ or exp bass/ or exp lake trout/ or exp catfish/ or exp sushi/ or exp salmo salar/ or exp salmonid/	316490
2	(seafood or sea foods or sea food or sea-food or sea-foods or fish consumption or fishes or fish protein or fish proteins or fish product or fish products or fish meal or fish flour or fatty fish or shellfish or shellfish proteins or mercurialism or mercury poisoning or methylmercury or sharks or swordfish or tuna or salmonine or salmon or sardine* or sardines or gadiformes or pollock or flounder or cod or tilapia or shrimp or oyster or oysters or clams or scallops or crab or crabs or perciformes or mackerel or catfishes or trout or lobster or decapodiformes or squid or halibut or mahi mahi or crayfish or crawfish or anchovy or herring or rockfish or marine product or marine products or marlin or orange roughly or tile fish or whales or perch or walleye fish or lake trout or salmonid or catfish or sushi or cerviche or sashimi or gravlax or tuna tartare or seafood crudo or fluke crudo or fluke or carpaccio or e-la-ota or poke or hinava or gohu ikan or esqueixada or kelaguen or namero or kilawin or stroganina or yusheng or koi pla or kokoda or kuai or lakerda or larb pla or ota ika or tiradito or xato or umai or salmo salar or atlantic salmon or salmonids).ti,ab,kw.	202324
3	or/1-2	404231
4	exp diet/ or exp dietary supplement/ or exp food/ or exp nutritional status/ or exp food analysis/ or exp nutritional value/ or exp iron/ or exp folic acid/ or exp calcium/ or exp zinc/ or exp phytate/ or exp phytic acid/ or exp polyphenol/ or exp omega 3 fatty acid/ or exp fatty acid/ or exp fish protein/ or exp mediterranean diet/ or exp fish consumption/ or exp eicosapentaenoic acid/ or exp docosapentaenoic acid/ or exp food intake/ or exp docosahexaenoic acid/ or exp meal/ or exp dietary intake/ or exp protein/ or exp vitamin D/ or exp choline/ or exp taurine/ or exp Iodine/ or exp selenium/ or exp drinking/ or exp eating/ or exp infant feeding/ or exp meat consumption/ or exp amino acid intake/ or exp dietary reference intake/ or exp fat intake/ or exp mineral intake/ or exp iodine intake/ or exp nutrient intake/ or exp protein intake/ or exp tolerable daily intake/ or exp vitamin intake/ or exp magnesium/	3827207
5	(diet or dietary supplement or dietary supplements or food or nutritional status or iron or folic acid or calcium or Zinc or phytate or phytic acid or polyphenol or polyphenols or fish species or fish tissue or fish intake or fish-rich diet or fatty acids or fatty acid or fish protein or mediterranean diet or omega-3 fatty acids or omega 3 fatty acids or omega-3 fatty acid or omega 3 fatty acid or fish consumption or eicosapentaenoic acid or docosahexaenoic acid or docosapentaenoic acid or meals or food intake or dietary intake or magnesium).ti,ab,kw.	2277637

6	or/4-5	4734494
7	exp aluminum/ or exp metalloids/ or (aluminum or metalloid*).ti,ab,kw.	175141
8	exp Mental Disease/ or exp Cognition/ or exp metacognition/ or exp Depression/ or exp Dementia/ or exp anxiety/ or exp Psychomotor Performance/ or exp motor performance/ or exp Executive Function/ or exp Child Behavior Disorder/ or exp developmental disorder/ or exp autism/ or exp language processing/ or exp language delay/ or exp Child Development/ or exp developmental delay/ or exp motor skill/ or exp Problem Solving/ or exp academic achievement/ or exp mental health/ or exp mental function/ or exp Congenital Disorder/ or exp congenital malformation/ or exp Mortality/ or exp Morbidity/ or exp chronic disease/ or exp environmental disease/ or exp child nutrition/ or exp low birth weight/ or exp Irritability/ or exp Shyness/ or exp Tremor/ or exp blindness/ or exp hearing impairment/ or exp Memory/ or exp Attention/ or exp verbal memory/ or exp Acrodynia/ or exp Kidney disease/ or exp Hypertension/ or exp tubular dysfunction/ or exp malignant neoplasm/ or exp gross motor/ or exp ataxia/ or exp fine motor/ or exp learning disorder/ or exp reading/ or exp peripheral neuropathy/ or exp neuropathy/ or exp weakness/ or exp areflexia/ or exp paresthesia/ or exp motor coordination/ or exp functional disability/ or exp visual impairment/ or exp behavior disorder/ or exp school readiness/ or exp sleep disorder/ or exp asperger syndrome/ or exp Cardiovascular disease/ or exp heart death/ or exp Neoplasm/ or exp Hypersensitivity/ or exp non insulin dependent diabetes mellitus/ or exp Asthma/ or exp allergy/ or exp atopy/ or exp Central nervous system/ or exp Immune function/ or exp cell proliferation/ or exp cell differentiation/ or exp apoptosis/ or exp Fracture/ or exp falling/ or exp thyroid gland/ or exp thyroxine/ or liothyronine/ or exp goiter/ or exp growth disorder/ or exp blood pressure/ or exp hypotension/ or exp muscle weakness/ or exp oxidative stress/ or exp immunity/ or exp health hazard/ or exp risk factor/ or exp risk assessment/ or exp outcome assessment/ or exp infection/ or exp sexual maturity/ or exp Sexual maturation/ or exp puberty/ or exp thyroid diseases/ or exp thyroid disease/ or exp prematurity/ or exp sensitization/ or exp Inflammation/ or exp Autoimmunity/ or exp Autoimmune Disease/ or exp Brain/ or exp attention deficit hyperactivity disorder/ or exp Alzheimer disease/ or exp behavior disorder/ or exp blindness/ or exp malignant neoplasm/ or exp heart death/ or exp congenital disorder/ or exp coronary artery disease/ or exp growth/ or exp child growth/ or exp "toxicity and intoxication"/ or exp biological marker/ or exp cholesterol/ or exp low density lipoprotein cholesterol/ or exp triacylglycerol/ or exp high density lipoprotein/ or exp failure to thrive/ or exp malnutrition/ or exp protein deficiency/ or exp dyslipidemia/	23904221
9	(mental disorder or mental disorders or cognitive or neurocognitive or neurodevelop* or neurological or Alzheimer* or senility or senile or presenile or motor skills or attention-deficit-disorder or attention-deficit-disorders or ADHD or Autism-Spectrum-Disorder or Asperger or academic performance or academic failure or academic success or mental process* or congenital abnormality or congenital abnormalities or birth defects or birth defect or chronic condition* or changes-in-vision or vision problem or changes-in-hearing or deafness or gastrointestinal or respiratory or obstruction-of-visual-field or pink disease or renal disease* or tubular injury or cancer or learning disabilit* or communication* or social-interactive-skills or functional disabilities or functional disability or sensorineural defect or sensorineural defects or vision loss or hearing loss or psychological disorder* or behavioral disorder* or Asperge* or coronary	12654002

	disease* or cardiac death or Growth-and-development or diabetes-mellitus-Type-2 or Metabolic outcome* or accidental fall* or thyroid* or triiodothyronine or mental-growth-retardation or immune-system-phenomena or hazardous substances or hazardous substance or risk factors or risk factor or risk-benefit or thyroid dysfunction or thyroid defect or thyroid defects or pre-term or neurodevelopmental disorder* or cardiovascular disease* or toenail biomarker or neurotoxicity syndrome* or academic achievement* or acrodynia or allergy or anxiety or apoptosis or areflexia or asthma or ataxia or atopy or attention or autism or autoimmune disease* or autoimmunity or blood pressure or cell differentiation or cell proliferation or central nervous system or child behavior disorder* or child behaviour disorder* or child development or child nutritional physiological phenomena or child nutritional physiological phenomena or chronic disease* or cognition or dementia or depression or developmental delay* or developmental disorder* or environmental disease or disorders-of-environmental-origin or executive function or fine motor or bone-fracture* or fractures-bone or goiter or gross motor or health hazard or hypersensitivity or hypertension or hypotension or immune function or immune system phenomena or immunity or inflammation or irritability or kidney disease or language delay* or language processing or low birth weight or memory or mental growth retardation or mental health or metacognition or morbidity or mortality or motor coordination or muscle weakness or neoplasms or neuropathy or outcome assessment or oxidative stress or paresthesia or prematurity or premature birth or problem solving or psychomotor performance or puberty or reading or risk assessment* or school readiness or sensitization or sexual maturation or sexual maturity or shyness or sleep disorder* or social interactive skill* or tremor or tubular dysfunction or tubular injury or verbal memory or vision loss or vision problem or weakness or 3-hydroxy-5-cholestene or 3beta-hydroxy-5-cholestene or 3beta-hydroxycholest-5-ene or 5-cholesten-3beta-ol or beta-cholesterol or cholest-5-en-3beta-ol or cholest-5-ene-3-ol or cholesterin or cholesterine or cholesterol-release or dythol or nsc-8798 or cholesterol-LDL- or LDL-cholesterol or lipoproteins-LDL-cholesterol or acylglycerol-tri or fatty-acid-triglyceride or triacyl-glyceride or triglyceride or triglycerides- or tryglyceride or alpha-7-lipoprotein or alpha-lipoprotein or HDL or high-density-lipoprotein-phospholipid or lipoprotein-alpha or lipoprotein-high-density or lipoproteins-hdl or pre-alpha-lipoprotein or very-high-density-lipoprotein or failure-to-thrive or deficient-nutrition or malnourishment or severe-acute-malnutrition- or underfeeding or undernourishment or undernutrition or deficiency-protein or dietary-protein-deficiency or dyslipaemia or dyslipemia or dyslipidaemia or dyslipidaemias or dyslipidemias- or lipidaemia-dys or lipidemia-dys).ti,ab,kw.	
10	or/8-9	25361865
11	3 and 6 and 7 and 9	1131
12	11 not ((exp animal/ or exp invertebrate/ or nonhuman/ or animal experiment/ or animal tissue/ or animal model/ or exp plant/ or exp fungus/) not (exp human/ or human tissue/))	523
13	limit 12 to (english language and yr="2000 -Current")	497
14	13 not (conference abstract/ or conference review/ or conference paper/ or editorial/ or erratum/ or letter/ or note/)	462
15	14 and (systematic review/ or meta analysis/)	17
16	exp Macaca/ or Haplorhini/ or Catarrhini/ or exp Platyrrhini/ or exp Gorilla/ or exp Pan paniscus/ or exp Pan troglodytes/ or hominid/ or exp chimpanzee/ or exp	129434

PRIVILEGED DRAFT: DO NOT CITE, QUOTE, OR CIRCULATE

	orangutan/ or exp Cercopithecidae/ or exp Hylobatidae/ or exp tarsiiform/ or exp prosimian/ or primate/	
17	(ape* or macaca* or macaque* or allenopithecus or allocebus or alouatta or alouattinae or angwantibo* or anthropoid or anthropoidea or anthropoids or aotes or aotidae or aotinae or aotus or ape or apes or arctocebus or ateles or atelidae or atelinae or avahi or aye-aye* or baboon or baboons or bonobo or bonobos or brachyteles or bushbabies or bushbaby or cacajao or callibella or callicebinae or callicebus or callimico or callitrichid* or callitrichinae or callitrix or callitrichid or callitrichidae or callitrichide or callitrichids or callitrichinae or capuchin or capuchins or carlito syrichta or catarhine* or catarhini or catarrhina or catarrhine* or catarrhini or cebid or cebidae or cebids or cebinae or ceboidea or cebuella or cebus or cephalopachus or cercocebus or cercopithecid* or cercopithecinae or cercopithecine* or cercopithecini or cercopithecoid or cercopithecoida or cercopithecoids or cercopithecus or cheirogaleidae or cheirogaleus or cheracebus or chimp or chimpanzee or chimpanzees or chimps or chiromyiformes or chiropotes or chlorocebus or colobidae or colobinae or colobine* or colobini or colobus* or cynomolgus or daubentonia or daubentoniidae or douc or doucs or erythrocebus or eulemur or euoticus or euprimate* or galagid* or galago or galagoides or galagonidae or galagos or gelada or geladas or gibbon or gibbons or gorilla or gorillas or grivet or grivets or guenon* or guereza* or hapalemur or haplorhine* or haplorhini or haplorrhine* or haplorrhini or hominid* or hominin or homininae or hominine or hominines or hominini or hominins or hominoidea or hoolock or howler* or hylobates or hylobatidae or indri or indridae or indriid* or indris or kipunji* or lagothrix or langur or langurs or lemur or lemurid* or lemuriform or lemuriformes or lemuriforms or lemuringae or lemuroidea or lemurs or leontideus or leontocebus or leontopithecus or lepilemur or lepilemurid* or lesula* or lophocebus or loriform or loriformes or lorinae or loris or lorises or lorisid* or lorisiform* or lorisinae or lorisoid* or lutung or lutungs or macaca or macaque's or macaque or macaques or malbrouck* or mandrill or mandrills or mandrillus or mangabey* or marmoset or marmosets or mico argentatus or mico chrysoleucos or mico emiliae or mico humilis or mico marcai or mico melanurus or mico rondoni or microcebus or miopithecus or mirza coquereli or mirza zaza or monkey or monkeys or muriqui* or nasalis larvatus or nomascus or nycticebus or oedipomidas or orang utan* or orang-utan* or orangutan* or oreonax or otolemur or pan paniscus or pan troglodytes or panin or panina or panins or papio or papionini or paragalago or perodicticinae or perodicticus or phaner or piliocolobus or pithecia or pithecidae or pitheciid* or pitheciinae or pithecinae or platyrrhine* or platyrrhini or platyrrhina or platyrrhine* or platyrrhini or plecturocebus or pongid* or ponginae or pongo or potto or pottos or presbytini or presbytis or primate or primates or procolobus or prolemur or propithecus or prosimian* or prosimii or pseudopotto or pygathrix or rhinopithecus or rungwecebus or saguinus or saimiri or saimiriinae or sapajus or sciurocheirus or semnopithecus or siamang or siamangs or sifaka or sifakas or simians or simias or simiiform* or strepsir* or surili* or symphalangus or talapoin* or tamarin or tamarins or tamarinus or tarsier or tarsiers or tarsiid* or tarsiiform* or tarsius or theropithecus or trachypithecus or uacari* or uakari or uakaris or varecia or vervet*).ti,ab,kw.	282486
18	or/16-17	300749
19	11 and 18	2
20	limit 19 to (english language and yr="2000 -Current")	2

21	20 not (conference abstract/ or conference review/ or conference paper/ or editorial/ or erratum/ or letter/ or note/)	2
22	21 and (systematic review/ or meta analysis/)	0

PubMed

- Provider: U.S. National Library of Medicine
- Date(s) Searched: July 21, 2023
- Date range searched: From January 1, 2000

Search Terms

#1 - "Brachyura"[Mesh] OR "Perciformes"[Mesh] OR "Decapodiformes"[Mesh] OR "Flounder"[Mesh] OR "Fish Flour"[Mesh] OR "Mya"[Mesh] OR "Bass"[Mesh] OR "Gadiformes"[Mesh] OR "Fish Proteins"[Mesh] OR "Fish Products"[Mesh] OR "Shellfish Proteins"[Mesh] OR "Salmo salar"[Mesh] OR "Tilapia"[Mesh] OR "Tuna"[Mesh] OR "Shellfish"[Mesh] OR "Methylmercury Compounds"[Mesh] OR "Cetacea"[Mesh] OR "Gadus morhua"[Mesh] OR "Bivalvia"[Mesh] OR "Seafood"[Mesh] OR "Catfishes"[Mesh] OR "Pectinidae"[Mesh] OR "Sharks"[Mesh] OR "Salmonidae"[Mesh] OR "Perches"[Mesh] OR "Ostreidae"[Mesh] OR "Astacoidea"[Mesh] OR "Fishes"[Mesh] OR "Fish Proteins, Dietary"[Mesh] OR "Mercury Poisoning"[Mesh] or seafood[tiab] or sea foods[tiab] or sea food[tiab] or sea-food[tiab] or sea-foods[tiab] or fish consumption[tiab] or fishes[tiab] or fish protein[tiab] or fish proteins[tiab] or fish product[tiab] or fish products[tiab] or fish meal[tiab] or fish flour[tiab] or fatty fish[tiab] or shellfish[tiab] or shellfish proteins[tiab] or mercurialism[tiab] or mercury poisoning[tiab] or methylmercury[tiab] or sharks[tiab] or swordfish[tiab] or tuna[tiab] or salmonine[tiab] or salmon[tiab] or sardine*[tiab] or sardines[tiab] or gadiformes[tiab] or pollock[tiab] or flounder[tiab] or cod[tiab] or tilapia[tiab] or shrimp[tiab] or oyster[tiab] or oysters[tiab] or clams[tiab] or scallops[tiab] or crab[tiab] or crabs[tiab] or perciformes[tiab] or mackerel[tiab] or catfishes[tiab] or trout[tiab] or lobster[tiab] or decapodiformes[tiab] or squid[tiab] or halibut[tiab] or mahi mahi[tiab] or crayfish[tiab] or crawfish[tiab] or anchovy[tiab] or herring[tiab] or rockfish[tiab] or marine product[tiab] or marine products[tiab] or marlin[tiab] or orange roughy[tiab] or tile fish[tiab] or whales[tiab] or perch[tiab] or walleye fish[tiab] or lake trout[tiab] or salmonid[tiab] or catfish[tiab] or sushi[tiab] or cerviche[tiab] or sashimi[tiab] or gravlax[tiab] or tuna tartare[tiab] or seafood crudo[tiab] or fluke crudo[tiab] or fluke[tiab] or carpaccio[tiab] or e-la-ota[tiab] or poke[tiab] or hinava[tiab] or gohu ikan[tiab] or esqueixada[tiab] or kelaguen[tiab] or namero[tiab] or kilawin[tiab] or stroganina[tiab] or yusheng[tiab] or koi pla[tiab] or kokoda[tiab] or kuai[tiab] or lakerda[tiab] or larb pla[tiab] or ota ika[tiab] or tiradito[tiab] or xato[tiab] or umai[tiab] or salmo salar[tiab] or atlantic salmon[tiab] or salmonids[tiab]

#2 - "Phytic Acid"[Mesh] OR "Food Analysis"[Mesh] OR "Diet, Mediterranean"[Mesh] OR "Taurine"[Mesh] OR "Folic Acid"[Mesh] OR "Eicosapentaenoic Acid"[Mesh] OR "Zinc"[Mesh] OR "Vitamin D"[Mesh] OR "Selenium"[Mesh] OR "Nutritional Status"[Mesh] OR "Iron"[Mesh] OR "Iodine"[Mesh] OR "Food"[Mesh] OR "Drinking"[Mesh] OR "Diet"[Mesh] OR "Choline"[Mesh] OR "Calcium"[Mesh] OR "Diet, Food, and Nutrition"[Mesh] OR "Fatty Acids, Omega-3"[Mesh] OR "Docosahexaenoic Acids"[Mesh] OR "Dietary Supplements"[Mesh] OR "Meals"[Mesh] OR "Fatty Acids"[Mesh] OR "Fish Proteins"[Mesh] OR "Proteins"[Mesh] OR "Nutritive Value"[Mesh] OR "Recommended Dietary Allowances"[Mesh] OR "Polyphenols"[Mesh] OR "Diet, Healthy"[Mesh] OR "Diet Records"[Mesh] OR "Infant Nutritional Physiological Phenomena"[Mesh] OR "Eating"[Mesh] or Magnesium[mh] or diet[tiab] or dietary supplement[tiab] or dietary supplements[tiab] or food[tiab] or nutritional status[tiab] or iron[tiab] or folic acid[tiab] or calcium[tiab] or Zinc[tiab] or phytate[tiab] or

PRIVILEGED DRAFT: DO NOT CITE, QUOTE, OR CIRCULATE

phytic acid[tiab] or polyphenol[tiab] or polyphenols[tiab] or fish species[tiab] or fish tissue[tiab] or fish intake[tiab] or fish-rich diet[tiab] or fatty acids[tiab] or fatty acid[tiab] or fish protein[tiab] or mediterranean diet[tiab] or omega-3 fatty acids[tiab] or omega 3 fatty acids[tiab] or omega-3 fatty acid[tiab] or omega 3 fatty acid[tiab] or fish consumption[tiab] or eicosapentaenoic acid[tiab] or docosahexaenoic acid[tiab] or docosapentaenoic acid[tiab] or meals[tiab] or food intake[tiab] or dietary intake[tiab] or magnesium[tiab]

#3 - "Metalloids"[Mesh] or "Aluminum"[Mesh] or metalloids[tiab] or aluminum[tiab]

#4 - "Blindness"[Mesh] OR "Neoplasms"[Mesh] OR "Mental Disorders"[Mesh] OR "Thyroid Diseases"[Mesh] OR "Hypersensitivity"[Mesh] OR "Mortality"[Mesh] OR "Psychomotor Performance"[Mesh] OR "Muscle Weakness"[Mesh] OR "Congenital, Hereditary, and Neonatal Diseases and Abnormalities"[Mesh] OR "Alzheimer Disease"[Mesh] OR "Language Development Disorders"[Mesh] OR "Ataxia"[Mesh] OR "Developmental Disabilities"[Mesh] OR "Attention Deficit Disorder with Hyperactivity"[Mesh] OR "Cell Proliferation"[Mesh] OR "Metacognition"[Mesh] OR "Motor Skills"[Mesh] OR "Cognition"[Mesh] OR "Hypotension"[Mesh] OR "Hypertension"[Mesh] OR "Growth Disorders"[Mesh] OR "Executive Function"[Mesh] OR "Growth and Development"[Mesh] OR "Asperger Syndrome"[Mesh] OR "Risk Assessment"[Mesh] OR "Oxidative Stress"[Mesh] OR "Apoptosis"[Mesh] OR "Outcome Assessment, Health Care"[Mesh] OR "Autoimmunity"[Mesh] OR "Tremor"[Mesh] OR "Thyroxine"[Mesh] OR "Thyroid Gland"[Mesh] OR "Shyness"[Mesh] OR "Sexual Maturation"[Mesh] OR "Reading"[Mesh] OR "Puberty"[Mesh] OR "Problem Solving"[Mesh] OR "Paresthesia"[Mesh] OR "Morbidity"[Mesh] OR "Mental Health"[Mesh] OR "Memory"[Mesh] OR "Inflammation"[Mesh] OR "Infant, Low Birth Weight"[Mesh] OR "Immunity"[Mesh] OR "Growth"[Mesh] OR "Goiter"[Mesh] OR "Depression"[Mesh] OR "Dementia"[Mesh] OR "Coronary Artery Disease"[Mesh] OR "Chronic Disease"[Mesh] OR "Child Development"[Mesh] OR "Central Nervous System"[Mesh] OR "Cell Differentiation"[Mesh] OR "Brain"[Mesh] OR "Blood Pressure"[Mesh] OR "Attention"[Mesh] OR "Asthma"[Mesh] OR "Anxiety"[Mesh] OR "Allergy and Immunology"[Mesh] OR "Acrodynia"[Mesh] OR "Memory and Learning Tests"[Mesh] OR "Central Nervous System Sensitization"[Mesh] OR "Child Behavior Disorders"[Mesh] OR "Fractures, Bone"[Mesh] OR "Risk Factors"[Mesh] OR "Depressive Disorder"[Mesh] OR "Autistic Disorder"[Mesh] OR "Vision Disorders"[Mesh] OR "Learning Disabilities"[Mesh] OR "Diabetes Mellitus, Type 2"[Mesh] OR "Child Nutritional Physiological Phenomena"[Mesh] OR "Frailty"[Mesh] OR "Hearing Loss"[Mesh] OR "Biomarkers"[Mesh] OR "Sleep Wake Disorders"[Mesh] OR "Kidney Diseases"[Mesh] OR "Cardiovascular Diseases"[Mesh] OR "Autoimmune Diseases"[Mesh] OR "Accidental Falls"[Mesh] OR "Academic Success"[Mesh] OR "Immune System Phenomena"[Mesh] OR "Vision, Low"[Mesh] OR "Irritable Mood"[Mesh] OR "Congenital Abnormalities"[Mesh] OR "Motor Skills Disorders"[Mesh] OR "Attention Deficit and Disruptive Behavior Disorders"[Mesh] OR "Central Nervous System Infections"[Mesh] OR "Brain Diseases"[Mesh] OR "Growth Charts"[Mesh] or Failure to Thrive[mh] or malnutrition[mh] or protein deficiency[mh] or Dyslipidemias[mh] or Cholesterol[mh] or "Cholesterol, LDL"[Mesh] or Triglycerides[mh] or "Lipoproteins, HDL"[Mesh] or mental disorder[tiab] or mental disorders[tiab] or cognitive[tiab] or neurocognitive[tiab] or neurodevelop*[tiab] or neurological[tiab] or Alzheimer*[tiab] or senility[tiab] or senile[tiab] or presenile[tiab] or motor skills[tiab] or attention-deficit-disorder[tiab] or attention-deficit-disorders[tiab] or ADHD[tiab] or Autism-Spectrum-Disorder[tiab] or Asperger[tiab] or academic performance[tiab] or academic failure[tiab] or academic success[tiab] or mental process*[tiab] or congenital abnormality[tiab] or congenital abnormalities[tiab] or birth defects[tiab] or birth defect[tiab] or chronic condition*[tiab] or changes-in-vision[tiab] or vision problem[tiab] or changes-in-hearing[tiab] or deafness[tiab] or gastrointestinal[tiab] or respiratory[tiab] or obstruction-of-visual-field[tiab] or pink disease[tiab] or renal disease*[tiab] or tubular injury[tiab] or

cancer[tiab] or learning disabilit*[tiab] or communication*[tiab] or social-interactive-skills[tiab] or functional disabilities[tiab] or functional disability[tiab] or sensorineural defect[tiab] or sensorineural defects[tiab] or vision loss[tiab] or hearing loss[tiab] or psychological disorder*[tiab] or behavioral disorder*[tiab] or Asperge*[tiab] or coronary disease*[tiab] or cardiac death[tiab] or Growth-and-development[tiab] or diabetes-mellitus-Type-2[tiab] or Metabolic outcome*[tiab] or accidental fall*[tiab] or thyroid*[tiab] or triiodothyronine[tiab] or mental-growth-retardation[tiab] or immune-system-phenomena[tiab] or hazardous substances[tiab] or hazardous substance[tiab] or risk factors[tiab] or risk factor[tiab] or risk-benefit[tiab] or thyroid dysfunction[tiab] or thyroid defect[tiab] or thyroid defects[tiab] or pre-term[tiab] or neurodevelopmental disorder*[tiab] or cardiovascular disease*[tiab] or toenail biomarker[tiab] or neurotoxicity syndrome*[tiab] or academic achievement*[tiab] or acrodynia[tiab] or allergy[tiab] or anxiety[tiab] or apoptosis[tiab] or areflexia[tiab] or asthma[tiab] or ataxia[tiab] or atopy[tiab] or attention[tiab] or autism[tiab] or autoimmune disease*[tiab] or autoimmunity[tiab] or blood pressure[tiab] or cell differentiation[tiab] or cell proliferation[tiab] or central nervous system[tiab] or child behavior disorder*[tiab] or child behaviour disorder*[tiab] or child development[tiab] or child nutritional physiological phenomena[tiab] or child nutritional physiological phenomena[tiab] or chronic disease*[tiab] or cognition[tiab] or dementia[tiab] or depression[tiab] or developmental delay*[tiab] or developmental disorder*[tiab] or environmental disease[tiab] or disorders-of-environmental-origin[tiab] or executive function[tiab] or fine motor[tiab] or bone-fracture*[tiab] or fractures-bone[tiab] or goiter[tiab] or gross motor[tiab] or health hazard[tiab] or hypersensitivity[tiab] or hypertension[tiab] or hypotension[tiab] or immune function[tiab] or immune system phenomena[tiab] or immunity[tiab] or inflammation[tiab] or irritability[tiab] or kidney disease[tiab] or language delay*[tiab] or language processing[tiab] or low birth weight[tiab] or memory[tiab] or mental growth retardation[tiab] or mental health[tiab] or metacognition[tiab] or morbidity[tiab] or mortality[tiab] or motor coordination[tiab] or muscle weakness[tiab] or neoplasms[tiab] or neuropathy[tiab] or outcome assessment[tiab] or oxidative stress[tiab] or paresthesia[tiab] or prematurity[tiab] or premature birth[tiab] or problem solving[tiab] or psychomotor performance[tiab] or puberty[tiab] or reading[tiab] or risk assessment*[tiab] or school readiness[tiab] or sensitization[tiab] or sexual maturation[tiab] or sexual maturity[tiab] or shyness[tiab] or sleep disorder*[tiab] or social interactive skill*[tiab] or tremor[tiab] or tubular dysfunction[tiab] or tubular injury[tiab] or verbal memory[tiab] or vision loss[tiab] or vision problem[tiab] or weakness[tiab] or Failure to thrive[tiab] or malnutrition[tiab] or protein deficiency[tiab] or Dyslipidemias[tiab] or cholesterol[tiab] or Low Density Lipoprotein Cholesterol[tiab] or beta-Lipoprotein Cholesterol[tiab] or Cholesterol beta-Lipoprotein[tiab] or beta Lipoprotein Cholesterol[tiab] or LDL Cholesterol[tiab] or Cholesteryl Linoleate LDL[tiab] or LDL Cholesteryl Linoleate[tiab] or triglycerides[tiab] or Triacylglycerols[tiab] or Triacylglycerol[tiab] or Triglyceride[tiab] or HDL Lipoproteins[tiab] or High-Density Lipoprotein[tiab] or Lipoprotein High-Density[tiab] or High-Density Lipoproteins[tiab] or High Density Lipoproteins[tiab] or Lipoproteins High-Density[tiab] or alpha-Lipoproteins[tiab] or alpha Lipoproteins[tiab] or Heavy Lipoproteins[tiab] or Lipoproteins Heavy[tiab] or High Density Lipoprotein[tiab] or Density Lipoprotein High[tiab] or Lipoprotein High Density[tiab] or alpha-Lipoprotein[tiab] or alpha Lipoprotein[tiab] or alpha-1 Lipoprotein[tiab]

#5 – (#1 AND #2 AND #3 AND #4)

#6 - #5 NOT ("Animals"[Mesh] NOT ("Animals"[Mesh] AND "Humans"[Mesh])) NOT (editorial[ptyp] OR comment[ptyp] OR news[ptyp] OR letter[ptyp] OR retracted publication[ptyp] OR retraction of publication[ptyp] OR retraction of publication[tiab] OR retraction notice[ti])

#7 - #6 AND (review[ptyp] OR systematic review[ptyp] OR systematic review[ti] OR meta-analysis[ptyp] OR meta-analysis[ti] OR meta-analyses[ti])

PRIVILEGED DRAFT: DO NOT CITE, QUOTE, OR CIRCULATE

Filters: Publication date from 2000/01/01; English

Results: 31

#8 - (catarrhini[mh:noexp] OR cercopithecidae[mh] OR gorilla gorilla[mh] OR haplorhini[mh:noexp] OR hominidae[mh:noexp] OR hylobatidae[mh] OR pan paniscus[mh] OR pan troglodytes[mh] OR platyrrhini[mh] OR pongo[mh] OR primates[mh:noexp] OR strepsirhini[mh] OR tarsii[mh] or Muridae[mh] or Murinae[mh] or Macaca[mh] or ape[tiab] apeas[tiab] or macaca[tiab] or macaque[tiab] or allenopithecus[tiab] OR allocebus[tiab] OR alouatta[tiab] OR alouattinae[tiab] OR angwantibo*[tiab] OR anthropoid[tiab] OR anthropoidea[tiab] OR anthropoids[tiab] OR aotes[tiab] OR aotidae[tiab] OR aotinae[tiab] OR aotus[tiab] OR ape[tiab] OR apes[tiab] OR arctocebus[tiab] OR ateles[tiab] OR atelidae[tiab] OR atelinae[tiab] OR avahi[tiab] OR aye-aye*[tiab] OR baboon[tiab] OR baboons[tiab] OR bonobo[tiab] OR bonobos[tiab] OR brachyteles[tiab] OR bushbabies[tiab] OR bushbaby[tiab] OR cacajao[tiab] OR callibella[tiab] OR callicebinae[tiab] OR callicebus[tiab] OR callimico[tiab] OR callithrichid*[tiab] OR callithrichinae[tiab] OR callithrix[tiab] OR callitrichid[tiab] OR callitrichidae[tiab] OR callitrichide[tiab] OR callitrichids[tiab] OR callitrichinae[tiab] OR capuchin[tiab] OR capuchins[tiab] OR carlito syricta[tiab] OR catarhine*[tiab] OR catarrhini[tiab] OR catarrhina[tiab] OR catarrhine*[tiab] OR catarrhini[tiab] OR cebid[tiab] OR cebidae[tiab] OR cebids[tiab] OR cebinae[tiab] OR ceboidea[tiab] OR cebuella[tiab] OR cebus[tiab] OR cephalopachus[tiab] OR cercocebus[tiab] OR cercopithecid*[tiab] OR cercopithecinae[tiab] OR cercopithecine*[tiab] OR cercopithecini[tiab] OR cercopithecoid[tiab] OR cercopithecoidae[tiab] OR cercopithecoids[tiab] OR cercopithecus[tiab] OR cheirogaleidae[tiab] OR cheirogaleus[tiab] OR cheracebus[tiab] OR chimp[tiab] OR chimpanzee[tiab] OR chimpanzees[tiab] OR chimps[tiab] OR chiromyiformes[tiab] OR chiropotes[tiab] OR chlorocebus[tiab] OR colobidae[tiab] OR colobinae[tiab] OR colobine*[tiab] OR colobini[tiab] OR colobus*[tiab] OR cynomolgus[tiab] OR daubentonia[tiab] OR daubentoniidae[tiab] OR douc[tiab] OR doucs[tiab] OR erythrocebus[tiab] OR eulemur[tiab] OR euoticus[tiab] OR euprimate*[tiab] OR galagid*[tiab] OR galago[tiab] OR galagoides[tiab] OR galagonidae[tiab] OR galagos[tiab] OR gelada[tiab] OR geladas[tiab] OR gibbon[tiab] OR gibbons[tiab] OR gorilla[tiab] OR gorillas[tiab] OR grivet[tiab] OR grivets[tiab] OR guenon*[tiab] OR guereza*[tiab] OR hapalemur[tiab] OR haplorhine*[tiab] OR haplorhini[tiab] OR haplorrhine*[tiab] OR haplorrhini[tiab] OR hominid*[tiab] OR hominin[tiab] OR homininae[tiab] OR hominine[tiab] OR hominines[tiab] OR hominini[tiab] OR hominins[tiab] OR hominoidea[tiab] OR hoolock[tiab] OR howler*[tiab] OR hylobates[tiab] OR hylobatidae[tiab] OR indri[tiab] OR indridae[tiab] OR indriid*[tiab] OR indris[tiab] OR kipunji*[tiab] OR lagothrix[tiab] OR langur[tiab] OR langurs[tiab] OR lemur[tiab] OR lemurid*[tiab] OR lemuriform[tiab] OR lemuriformes[tiab] OR lemuriforms[tiab] OR lemurinae[tiab] OR lemuroidea[tiab] OR lemurs[tiab] OR leontideus[tiab] OR leontocebus[tiab] OR leontopithecus[tiab] OR lepilemur[tiab] OR lepilemurid*[tiab] OR lesula*[tiab] OR lophocebus[tiab] OR loriform[tiab] OR loriformes[tiab] OR lorinae[tiab] OR loris[tiab] OR lorises[tiab] OR lorisid*[tiab] OR lorisiform*[tiab] OR lorisinae[tiab] OR lorisoid*[tiab] OR lutung[tiab] OR lutungs[tiab] OR macaca[tiab] OR macaque's[tiab] OR macaque[tiab] OR macaques[tiab] OR malbrouck*[tiab] OR mandrill[tiab] OR mandrills[tiab] OR mandrillus[tiab] OR mangabey*[tiab] OR marmoset[tiab] OR marmosets[tiab] OR mico argentatus[tiab] OR mico chrysoleucos[tiab] OR mico emiliae[tiab] OR mico humilis[tiab] OR mico marcai[tiab] OR mico melanurus[tiab] OR mico rondoni[tiab] OR microcebus[tiab] OR miopithecus[tiab] OR mirza coquereli[tiab] OR mirza zaza[tiab] OR monkey[tiab] OR monkeys[tiab] OR muriqui*[tiab] OR nasal larvatus[tiab] OR nomascus[tiab] OR nycticebus[tiab] OR oedipomidas[tiab] OR orang utan*[tiab] OR orang-utan*[tiab] OR orangutan*[tiab] OR oreonax[tiab] OR otolemur[tiab] OR pan paniscus[tiab] OR pan troglodytes[tiab] OR panin[tiab] OR panina[tiab] OR panins[tiab] OR papio[tiab] OR papionini[tiab] OR paragalago[tiab] OR perodicticinae[tiab] OR perodicticus[tiab] OR phaner[tiab] OR

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piliocolobus[tiab] OR pithecia[tiab] OR pitheciidae[tiab] OR pitheciid*[tiab] OR pitheciinae[tiab] OR pithecinae[tiab] OR platyrrhine*[tiab] OR platyrrhini[tiab] OR platyrrhina[tiab] OR platyrrhine*[tiab] OR platyrrhini[tiab] OR plecturocebus[tiab] OR pongid*[tiab] OR ponginae[tiab] OR pongo[tiab] OR potto[tiab] OR pottos[tiab] OR presbytini[tiab] OR presbytis[tiab] OR primate[tiab] OR primates[tiab] OR procolobus[tiab] OR prolemur[tiab] OR propithecus[tiab] OR prosimian*[tiab] OR prosimii[tiab] OR pseudopotto[tiab] OR pygathrix[tiab] OR rhinopithecus[tiab] OR rungwecebus[tiab] OR saguinus[tiab] OR saimiri[tiab] OR saimiriinae[tiab] OR sapajus[tiab] OR sciurocheirus[tiab] OR semnopithecus[tiab] OR siamang[tiab] OR siamangs[tiab] OR sifaka[tiab] OR sifakas[tiab] OR simians[tiab] OR simias[tiab] OR simiiform*[tiab] OR strepsir*[tiab] OR surili*[tiab] OR symphalangus[tiab] OR talapoin*[tiab] OR tamarin[tiab] OR tamarins[tiab] OR tamarinus[tiab] OR tarsier[tiab] OR tarsiers[tiab] OR tarsiid*[tiab] OR tarsiiform*[tiab] OR tarsius[tiab] OR theropithecus[tiab] OR trachypithecus[tiab] OR uacari*[tiab] OR uakari[tiab] OR uakaris[tiab] OR varecia[tiab] OR vervet*[tiab])

#9 - #5 AND #8

Results: 0

ADDITIONAL LITERATURE SEARCH: HEALTH EQUITY AND RISK BENEFIT ANALYSIS

Date: October 23, 2023

Database Searches:

Embase

- Provider: Ovid
- Date(s) Searched: October 23, 2023
- Date range searched: From January 1, 2001
- Search Terms:

Embase <1980 to 2023 Week 42>		
1	exp sea food/ or exp fish/ or exp fish consumption/ or exp fish protein/ or exp fish product/ or exp fish meal/ or exp shellfish/ or exp shellfish protein/ or exp mercurialism/ or exp methylmercury/ or exp shark/ or exp tuna/ or exp salmonine/ or exp sardine/ or exp gadiformes/ or exp flounder/ or exp atlantic cod/ or exp tilapia/ or exp shrimp/ or exp oyster/ or exp mya/ or exp bivalve/ or exp clam/ or exp scallop/ or exp brachyura/ or exp crab/ or exp perciformes/ or exp mackerel/ or exp catfish/ or exp lobster/ or exp decapodiformes/ or exp squid/ or exp halibut/ or exp crayfish/ or exp anchovy/ or exp herring/ or exp rockfish/ or exp omega 3 fatty acid/	350955
2	(seafood* or fish or fish consumption or fish protein* or fish product* or fish meal* or fatty fish or shellfish protein* or mercurialism or methylmercury or shark or swordfish or tuna or salmonine or salmon or sardine* or gadiformes or pollock or flounder or cod or tilapia or shrimp or oyster* or bivalve or mya or clam or clams or scallop* or crab or 152 perciformes or mackerel or catfish or trout or lobster or squid or decapodiformes or halibut or mahi mahi or crayfish or	376045

PRIVILEGED DRAFT: DO NOT CITE, QUOTE, OR CIRCULATE

	crawfish or achov* or herring or rockfish or marine product* or omega 3 fatty acid*).ti,ab.	
3	1 or 2	525900
4	exp diet/ or exp dietary supplement/ or exp food/ or exp nutritional status/ or exp food analysis/ or exp nutritional value/ or exp iron/ or exp folic acid/ or exp calcium/ or exp zinc/ or exp phytate/ or exp phytic acid/ or exp polyphenol/ or exp omega 3 fatty acid/ or exp fatty acid/ or exp fish protein/ or exp mediterranean diet/ or exp fish consumption/ or exp eicosapentaenoic acid/ or exp docosapentaenoic acid/ or exp food intake/ or exp docosahexaenoic acid/ or exp meal/ or exp dietary intake/ or exp protein/ or exp vitamin D/ or exp choline/ or exp taurine/ or exp Iodine/ or exp selenium/ or exp drinking/ or exp eating/ or exp infant feeding/ or exp meat consumption/ or exp amino acid intake/ or exp dietary reference intake/ or exp fat intake/ or exp mineral intake/ or exp iodine intake/ or exp nutrient intake/ or exp protein intake/ or exp tolerable daily intake/ or exp vitamin intake/ or exp magnesium/	3887584
5	(diet or dietary supplement or dietary supplements or food or nutritional status or iron or folic acid or calcium or Zinc or phytate or phytic acid or polyphenol or polyphenols or fish species or fish tissue or fish intake or fish-rich diet or fatty acids or fatty acid or fish protein or mediterranean diet or omega-3 fatty acids or omega 3 fatty acids or omega-3 fatty acid or omega 3 fatty acid or fish consumption or eicosapentaenoic acid or docosahexaenoic acid or docosapentaenoic acid or meals or food intake or dietary intake or magnesium).ti,ab,kw.	2317518
6	or/4-5	4808424
7	exp Mental Disease/ or exp Cognition/ or exp metacognition/ or exp Depression/ or exp Dementia/ or exp anxiety/ or exp Psychomotor Performance/ or exp motor performance/ or exp Executive Function/ or exp Child Behavior Disorder/ or exp developmental disorder/ or exp autism/ or exp language processing/ or exp language delay/ or exp Child Development/ or exp developmental delay/ or exp motor skill/ or exp Problem Solving/ or exp academic achievement/ or exp mental health/ or exp mental function/ or exp Congenital Disorder/ or exp congenital malformation/ or exp Mortality/ or exp Morbidity/ or exp chronic disease/ or exp environmental disease/ or exp child nutrition/ or exp low birth weight/ or exp Irritability/ or exp Shyness/ or exp Tremor/ or exp blindness/ or exp hearing impairment/ or exp Memory/ or exp Attention/ or exp verbal memory/ or exp Acrodynia/ or exp Kidney disease/ or exp Hypertension/ or exp tubular dysfunction/ or exp malignant neoplasm/ or exp gross motor/ or exp ataxia/ or exp fine motor/ or exp learning disorder/ or exp reading/ or exp peripheral neuropathy/ or exp neuropathy/ or exp weakness/ or exp areflexia/ or exp paresthesia/ or exp motor coordination/ or exp functional disability/ or exp visual impairment/ or exp behavior disorder/ or exp school readiness/ or exp sleep disorder/ or exp asperger syndrome/ or exp Cardiovascular disease/ or exp heart death/ or exp Neoplasm/ or exp Hypersensitivity/ or exp non insulin dependent diabetes mellitus/ or exp Asthma/ or exp allergy/ or exp atopy/ or exp Central nervous system/ or exp Immune function/ or exp cell proliferation/ or exp cell differentiation/ or exp apoptosis/ or exp Fracture/ or exp falling/ or exp thyroid gland/ or exp thyroxine/ or liothyronine/ or exp goiter/ or exp growth disorder/ or exp blood pressure/ or exp hypotension/ or exp muscle weakness/ or exp oxidative stress/ or exp immunity/ or exp health hazard/ or exp risk factor/ or exp risk assessment/ or exp outcome assessment/ or exp infection/ or exp sexual	24243354

	maturity/ or exp Sexual maturation/ or exp puberty/ or exp thyroid diseases/ or exp thyroid disease/ or exp prematurity/ or exp sensitization/ or exp Inflammation/ or exp Autoimmunity/ or exp Autoimmune Disease/ or exp Brain/ or exp attention deficit hyperactivity disorder/ or exp Alzheimer disease/ or exp behavior disorder/ or exp blindness/ or exp malignant neoplasm/ or exp heart death/ or exp congenital disorder/ or exp coronary artery disease/ or exp growth/ or exp child growth/ or exp "toxicity and intoxication"/ or exp biological marker/ or exp cholesterol/ or exp low density lipoprotein cholesterol/ or exp triacylglycerol/ or exp high density lipoprotein/ or exp failure to thrive/ or exp malnutrition/ or exp protein deficiency/ or exp dyslipidemia/	
8	(mental disorder or mental disorders or cognitive or neurocognitive or neurodevelop* or neurological or Alzheimer* or senility or senile or presenile or motor skills or attention-deficit-disorder or attention-deficit-disorders or ADHD or Autism-Spectrum-Disorder or Asperger or academic performance or academic failure or academic success or mental process* or congenital abnormality or congenital abnormalities or birth defects or birth defect or chronic condition* or changes-in-vision or vision problem or changes-in-hearing or deafness or gastrointestinal or respiratory or obstruction-of-visual-field or pink disease or renal disease* or tubular injury or cancer or learning disabilit* or communication* or social-interactive-skills or functional disabilities or functional disability or sensorineural defect or sensorineural defects or vision loss or hearing loss or psychological disorder* or behavioral disorder* or Asperge* or coronary disease* or cardiac death or Growth-and-development or diabetes-mellitus-Type-2 or Metabolic outcome* or accidental fall* or thyroid* or triiodothyronine or mental-growth-retardation or immune-system-phenomena or hazardous substances or hazardous substance or risk factors or risk factor or risk-benefit or thyroid dysfunction or thyroid defect or thyroid defects or pre-term or neurodevelopmental disorder* or cardiovascular disease* or toenail biomarker or neurotoxicity syndrome* or academic achievement* or acrodynia or allergy or anxiety or apoptosis or areflexia or asthma or ataxia or atopy or attention or autism or autoimmune disease* or autoimmunity or blood pressure or cell differentiation or cell proliferation or central nervous system or child behavior disorder* or child behaviour disorder* or child development or child nutritional physiological phenomena or child nutritional physiological phenomena or chronic disease* or cognition or dementia or depression or developmental delay* or developmental disorder* or environmental disease or disorders-of-environmental-origin or executive function or fine motor or bone-fracture* or fractures-bone or goiter or gross motor or health hazard or hypersensitivity or hypertension or hypotension or immune function or immune system phenomena or immunity or inflammation or irritability or kidney disease or language delay* or language processing or low birth weight or memory or mental growth retardation or mental health or metacognition or morbidity or mortality or motor coordination or muscle weakness or neoplasms or neuropathy or outcome assessment or oxidative stress or paresthesia or prematurity or premature birth or problem solving or psychomotor performance or puberty or reading or risk assessment* or school readiness or sensitization or sexual maturation or sexual maturity or shyness or sleep disorder* or social interactive skill* or tremor or tubular dysfunction or tubular injury or verbal memory or vision loss or vision problem or weakness or 3-hydroxy-5-cholestene or 3beta-hydroxy-5-cholestene or 3beta-hydroxycholest-5-ene or 5-cholesten-3beta-ol or beta-cholesterol or cholest-5-en-3beta-ol or cholest-5-ene-3-ol or cholesterin or	12866377

	cholesterine or cholesterol-release or dythol or nsc-8798 or cholesterol-LDL- or LDL-cholesterol or lipoproteins-LDL-cholesterol or acylglycerol-tri or fatty-acid-triglyceride or triacyl-glyceride or triglyceride or triglycerides- or tryglyceride or alpha-7-lipoprotein or alpha-lipoprotein or HDL or high-density-lipoprotein-phospholipid or lipoprotein-alpha or lipoprotein-high-density or lipoproteins-hdl or pre-alpha-lipoprotein or very-high-density-lipoprotein or failure-to-thrive or deficient-nutrition or malnourishment or severe-acute-malnutrition- or underfeeding or undernourishment or undernutrition or deficiency-protein or dietary-protein-deficiency or dyslipaemia or dyslipemia or dyslipidaemia or dyslipidaemias or dyslipidemias- or lipidaemia-dys or lipidemia-dys).ti,ab,kw.	
9	or/7-8	25721656
10	exp "social determinants of health"/ or exp geography/ or exp "population and population related phenomena"/ or exp food access/ or exp health care access/ or exp cultural factor/ or exp "ethnic or racial aspects"/ or exp ethnic difference/ or exp ethnicity/ or exp race/ or exp race difference/ or exp health equity/ or (social-determinant* or social-determining-factor* or social-factors-determining-health or social-health-determinant or geography or geographic-factor* or geographic-location* or population-related-phenomen* or epidemiologic-measurement* or food-access or access-to-food or health-care-access or access-to-health-care or health-services-accessibility or healthcare-access or foodway* or cultural-factor* or acculturation or cross-cultural-comparison or cultural-characteristics or factor-cultural or cultural-factor* or ethnic-aspect* or racial-aspect* or ethnic-distribution or ethnic-variation or ethnical-distribution or ethnologic-distribution or ethnological-distribution or variation-ethnic or ethnicity or race-factor* or racial-factor* or racial-stock* or racial-difference* or health-equity or equity-health).ti,ab,kw.	2300023
11	exp food preference/ or exp feeding behavior/ or (food-preference* or diet-selection* or alimentary-behavior* or alimentary-behaviour or behavior-alimentary or behavior-eating or behaviour-alimentary or behaviour-eating or eating-behavior or eating-behaviour or feeding-behaviour or feeding-habit or feeding-pattern or feeding-program or feeding-programme or feeding-time or food-habit* or meal-time* or nutrition-habit* or nutrition-pattern or nutritiona-habit* or phagotherapy).ti,ab,kw.	203347
12	exp ethnography/ or (ethnography or enthnogeography).ti,ab,kw.	6956
13	11 and 12	121
14	10 or 13	2300102
15	exp "cost benefit analysis"/ or exp risk benefit analysis/ or (cost-benefit-analysis or cost-analysis or cost-benefit or cost-benefit-assessment or cost-benefit-evaluation or cost-benefit-ratio or risk-benefit-analysis or analysis-risk-benefit).ti,ab,kw.	167864
16	exp vulnerable population/ or exp indigenous people/ or exp pregnancy/ or exp pregnant woman/ or exp lactation/ or exp breast feeding/ or exp maternal welfare/ or exp prenatal exposure/ or exp mother/ or exp perinatal period/ or exp maternal nutrition/ or exp infant/ or exp newborn/ or exp baby/ or exp fetus/ or exp child/ or exp childhood/ or exp preschool child/ or exp adolescent/ or exp pediatrics/ or (vulnerable-population* or "health disparity, minority and vulnerable populations" or socioeconomically-vulnerable-community or vulnerable-minorities or vulnerable-minority or vulnerable-minority-population or vulnerable-people or vulnerable-person* or indigenous-people* or aboriginal	5363015

	or aborigine* or native-born or native-people or natives or pregnan* or lactation or breast feeding or prenatal exposure or pre pregnancy or prenatal or maternal or mother* or postpartum or perinatal or peri natal or pre conception or preconception or peri conception or periconceptional or peripartum or gestation* or natal or puerperium or infant or newborn* or childhood or baby or babies or fetus or child or preschool or adolescent or teen* or pediatric*).ti,ab,kw.	
17	3 and 6 and 9 and 14 and 15 and 16	27
18	limit 17 to (human and english language and yr="2001 -Current")	25
19	18 and (article/ or article in press/)	12
20	19 not (conference abstract/ or conference review/ or conference paper/ or editorial/ or erratum/ or letter/ or note/ or review/ or systematic review/ or meta analysis/)	12

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- Provider: U.S. National Library of Medicine
- Date(s) Searched: October 23, 2023
- Date range searched: From January 1, 2001
- Search Terms:

#1 - "Brachyura"[Mesh] OR "Perciformes"[Mesh] OR "Decapodiformes"[Mesh] OR "Flounder"[Mesh] OR "Fish Flour"[Mesh] OR "Mya"[Mesh] OR "Bass"[Mesh] OR "Gadiformes"[Mesh] OR "Fish Proteins"[Mesh] OR "Fish Products"[Mesh] OR "Shellfish Proteins"[Mesh] OR "Salmo salar"[Mesh] OR "Tilapia"[Mesh] OR "Tuna"[Mesh] OR "Shellfish"[Mesh] OR "Methylmercury Compounds"[Mesh] OR "Cetacea"[Mesh] OR "Gadus morhua"[Mesh] OR "Bivalvia"[Mesh] OR "Seafood"[Mesh] OR "Catfishes"[Mesh] OR "Pectinidae"[Mesh] OR "Sharks"[Mesh] OR "Salmonidae"[Mesh] OR "Perches"[Mesh] OR "Ostreidae"[Mesh] OR "Astacoidea"[Mesh] OR "Fishes"[Mesh] OR "Fish Proteins, Dietary"[Mesh] OR "Mercury Poisoning"[Mesh] or seafood[tiab] or sea foods[tiab] or sea food[tiab] or sea-food[tiab] or sea-foods[tiab] or fish consumption[tiab] or fishes[tiab] or fish protein[tiab] or fish proteins[tiab] or fish product[tiab] or fish products[tiab] or fish meal[tiab] or fish flour[tiab] or fatty fish[tiab] or shellfish[tiab] or shellfish proteins[tiab] or mercurialism[tiab] or mercury poisoning[tiab] or methylmercury[tiab] or sharks[tiab] or swordfish[tiab] or tuna[tiab] or salmonine[tiab] or salmon[tiab] or sardine*[tiab] or sardines[tiab] or gadiformes[tiab] or pollock[tiab] or flounder[tiab] or cod[tiab] or tilapia[tiab] or shrimp[tiab] or oyster[tiab] or oysters[tiab] or clams[tiab] or scallops[tiab] or crab[tiab] or crabs[tiab] or perciformes[tiab] or mackerel[tiab] or catfishes[tiab] or trout[tiab] or lobster[tiab] or decapodiformes[tiab] or squid[tiab] or halibut[tiab] or mahi mahi[tiab] or crayfish[tiab] or crawfish[tiab] or anchovy[tiab] or herring[tiab] or rockfish[tiab] or marine product[tiab] or marine products[tiab] or marlin[tiab] or orange roughy[tiab] or tile fish[tiab] or whales[tiab] or perch[tiab] or walleye fish[tiab] or lake trout[tiab] or salmonid[tiab] or catfish[tiab] or sushi[tiab] or cerviche[tiab] or sashimi[tiab] or gravlax[tiab] or tuna tartare[tiab] or seafood crudo[tiab] or fluke crudo[tiab] or fluke[tiab] or carpaccio[tiab] or e-la-ota[tiab] or poke[tiab] or hinava[tiab] or gohu ikan[tiab] or esqueixada[tiab] or kelaguen[tiab] or namero[tiab] or kilawin[tiab] or stroganina[tiab] or yusheng[tiab] or koi pla[tiab] or kokoda[tiab] or kuai[tiab] or lakerda[tiab] or larb pla[tiab] or ota ika[tiab] or tiradito[tiab] or xato[tiab] or umai[tiab] or salmo salar[tiab] or atlantic salmon[tiab] or salmonids[tiab]

#2 - "Phytic Acid"[Mesh] OR "Food Analysis"[Mesh] OR "Diet, Mediterranean"[Mesh] OR "Taurine"[Mesh] OR "Folic Acid"[Mesh] OR "Eicosapentaenoic Acid"[Mesh] OR "Zinc"[Mesh] OR "Vitamin D"[Mesh] OR "Selenium"[Mesh] OR "Nutritional Status"[Mesh] OR "Iron"[Mesh] OR

PRIVILEGED DRAFT: DO NOT CITE, QUOTE, OR CIRCULATE

"Iodine"[Mesh] OR "Food"[Mesh] OR "Drinking"[Mesh] OR "Diet"[Mesh] OR "Choline"[Mesh] OR "Calcium"[Mesh] OR "Diet, Food, and Nutrition"[Mesh] OR "Fatty Acids, Omega-3"[Mesh] OR "Docosahexaenoic Acids"[Mesh] OR "Dietary Supplements"[Mesh] OR "Meals"[Mesh] OR "Fatty Acids"[Mesh] OR "Fish Proteins"[Mesh] OR "Proteins"[Mesh] OR "Nutritive Value"[Mesh] OR "Recommended Dietary Allowances"[Mesh] OR "Polyphenols"[Mesh] OR "Diet, Healthy"[Mesh] OR "Diet Records"[Mesh] OR "Infant Nutritional Physiological Phenomena"[Mesh] OR "Eating"[Mesh] or diet[tiab] or dietary supplement[tiab] or dietary supplements[tiab] or food[tiab] or nutritional status[tiab] or iron[tiab] or folic acid[tiab] or calcium[tiab] or Zinc[tiab] or phytate[tiab] or phytic acid[tiab] or polyphenol[tiab] or polyphenols[tiab] or fish species[tiab] or fish tissue[tiab] or fish intake[tiab] or fish-rich diet[tiab] or fatty acids[tiab] or fatty acid[tiab] or fish protein[tiab] or mediterranean diet[tiab] or omega-3 fatty acids[tiab] or omega 3 fatty acids[tiab] or omega-3 fatty acid[tiab] or omega 3 fatty acid[tiab] or fish consumption[tiab] or eicosapentaenoic acid[tiab] or docosahexaenoic acid[tiab] or docosapentaenoic acid[tiab] or meals[tiab] or food intake[tiab] or dietary intake[tiab]

#3 - "Blindness"[Mesh] OR "Neoplasms"[Mesh] OR "Mental Disorders"[Mesh] OR "Thyroid Diseases"[Mesh] OR "Hypersensitivity"[Mesh] OR "Mortality"[Mesh] OR "Psychomotor Performance"[Mesh] OR "Muscle Weakness"[Mesh] OR "Congenital, Hereditary, and Neonatal Diseases and Abnormalities"[Mesh] OR "Alzheimer Disease"[Mesh] OR "Language Development Disorders"[Mesh] OR "Ataxia"[Mesh] OR "Developmental Disabilities"[Mesh] OR "Attention Deficit Disorder with Hyperactivity"[Mesh] OR "Cell Proliferation"[Mesh] OR "Metacognition"[Mesh] OR "Motor Skills"[Mesh] OR "Cognition"[Mesh] OR "Hypotension"[Mesh] OR "Hypertension"[Mesh] OR "Growth Disorders"[Mesh] OR "Executive Function"[Mesh] OR "Growth and Development"[Mesh] OR "Asperger Syndrome"[Mesh] OR "Risk Assessment"[Mesh] OR "Oxidative Stress"[Mesh] OR "Apoptosis"[Mesh] OR "Outcome Assessment, Health Care"[Mesh] OR "Autoimmunity"[Mesh] OR "Tremor"[Mesh] OR "Thyroxine"[Mesh] OR "Thyroid Gland"[Mesh] OR "Shyness"[Mesh] OR "Sexual Maturation"[Mesh] OR "Reading"[Mesh] OR "Puberty"[Mesh] OR "Problem Solving"[Mesh] OR "Paresthesia"[Mesh] OR "Morbidity"[Mesh] OR "Mental Health"[Mesh] OR "Memory"[Mesh] OR "Inflammation"[Mesh] OR "Infant, Low Birth Weight"[Mesh] OR "Immunity"[Mesh] OR "Growth"[Mesh] OR "Goiter"[Mesh] OR "Depression"[Mesh] OR "Dementia"[Mesh] OR "Coronary Artery Disease"[Mesh] OR "Chronic Disease"[Mesh] OR "Child Development"[Mesh] OR "Central Nervous System"[Mesh] OR "Cell Differentiation"[Mesh] OR "Brain"[Mesh] OR "Blood Pressure"[Mesh] OR "Attention"[Mesh] OR "Asthma"[Mesh] OR "Anxiety"[Mesh] OR "Allergy and Immunology"[Mesh] OR "Acrodynia"[Mesh] OR "Memory and Learning Tests"[Mesh] OR "Central Nervous System Sensitization"[Mesh] OR "Child Behavior Disorders"[Mesh] OR "Fractures, Bone"[Mesh] OR "Risk Factors"[Mesh] OR "Depressive Disorder"[Mesh] OR "Autistic Disorder"[Mesh] OR "Vision Disorders"[Mesh] OR "Learning Disabilities"[Mesh] OR "Diabetes Mellitus, Type 2"[Mesh] OR "Child Nutritional Physiological Phenomena"[Mesh] OR "Frailty"[Mesh] OR "Hearing Loss"[Mesh] OR "Biomarkers"[Mesh] OR "Sleep Wake Disorders"[Mesh] OR "Kidney Diseases"[Mesh] OR "Cardiovascular Diseases"[Mesh] OR "Autoimmune Diseases"[Mesh] OR "Accidental Falls"[Mesh] OR "Academic Success"[Mesh] OR "Immune System Phenomena"[Mesh] OR "Vision, Low"[Mesh] OR "Irritable Mood"[Mesh] OR "Congenital Abnormalities"[Mesh] OR "Motor Skills Disorders"[Mesh] OR "Attention Deficit and Disruptive Behavior Disorders"[Mesh] OR "Central Nervous System Infections"[Mesh] OR "Brain Diseases"[Mesh] OR "Growth Charts"[Mesh] or mental disorder[tiab] or mental disorders[tiab] or cognitive[tiab] or neurocognitive[tiab] or neurodevelop*[tiab] or neurological[tiab] or Alzheimer*[tiab] or senility[tiab] or senile[tiab] or presenile[tiab] or motor skills[tiab] or attention-deficit-disorder[tiab] or attention-deficit-disorders[tiab] or ADHD[tiab] or Autism-Spectrum-Disorder[tiab] or Asperger[tiab] or academic performance[tiab] or academic failure[tiab] or

academic success[tiab] or mental process*[tiab] or congenital abnormality[tiab] or congenital abnormalities[tiab] or birth defects[tiab] or birth defect[tiab] or chronic condition*[tiab] or changes-in-vision[tiab] or vision problem[tiab] or changes-in-hearing[tiab] or deafness[tiab] or gastrointestinal[tiab] or respiratory[tiab] or obstruction-of-visual-field[tiab] or pink disease[tiab] or renal disease*[tiab] or tubular injury[tiab] or cancer[tiab] or learning disabilit*[tiab] or communication*[tiab] or social-interactive-skills[tiab] or functional disabilities[tiab] or functional disability[tiab] or sensorineural defect[tiab] or sensorineural defects[tiab] or vision loss[tiab] or hearing loss[tiab] or psychological disorder*[tiab] or behavioral disorder*[tiab] or Asperge*[tiab] or coronary disease*[tiab] or cardiac death[tiab] or Growth-and-development[tiab] or diabetes-mellitus-Type-2[tiab] or Metabolic outcome*[tiab] or accidental fall*[tiab] or thyroid*[tiab] or triiodothyronine[tiab] or mental-growth-retardation[tiab] or immune-system-phenomena[tiab] or hazardous substances[tiab] or hazardous substance[tiab] or risk factors[tiab] or risk factor[tiab] or risk-benefit[tiab] or thyroid dysfunction[tiab] or thyroid defect[tiab] or thyroid defects[tiab] or pre-term[tiab] or neurodevelopmental disorder*[tiab] or cardiovascular disease*[tiab] or toenail biomarker[tiab] or neurotoxicity syndrome*[tiab] or academic achievement*[tiab] or acrodynia[tiab] or allergy[tiab] or anxiety[tiab] or apoptosis[tiab] or areflexia[tiab] or asthma[tiab] or ataxia[tiab] or atopy[tiab] or attention[tiab] or autism[tiab] or autoimmune disease*[tiab] or autoimmunity[tiab] or blood pressure[tiab] or cell differentiation[tiab] or cell proliferation[tiab] or central nervous system[tiab] or child behavior disorder*[tiab] or child behaviour disorder*[tiab] or child development[tiab] or child nutritional physiological phenomena[tiab] or child nutritional physiological phenomena[tiab] or chronic disease*[tiab] or cognition[tiab] or dementia[tiab] or depression[tiab] or developmental delay*[tiab] or developmental disorder*[tiab] or environmental disease[tiab] or disorders-of-environmental-origin[tiab] or executive function[tiab] or fine motor[tiab] or bone-fracture*[tiab] or fractures-bone[tiab] or goiter[tiab] or gross motor[tiab] or health hazard[tiab] or hypersensitivity[tiab] or hypertension[tiab] or hypotension[tiab] or immune function[tiab] or immune system phenomena[tiab] or immunity[tiab] or inflammation[tiab] or irritability[tiab] or kidney disease[tiab] or language delay*[tiab] or language processing[tiab] or low birth weight[tiab] or memory[tiab] or mental growth retardation[tiab] or mental health[tiab] or metacognition[tiab] or morbidity[tiab] or mortality[tiab] or motor coordination[tiab] or muscle weakness[tiab] or neoplasms[tiab] or neuropathy[tiab] or outcome assessment[tiab] or oxidative stress[tiab] or paresthesia[tiab] or prematurity[tiab] or premature birth[tiab] or problem solving[tiab] or psychomotor performance[tiab] or puberty[tiab] or reading[tiab] or risk assessment*[tiab] or school readiness[tiab] or sensitization[tiab] or sexual maturation[tiab] or sexual maturity[tiab] or shyness[tiab] or sleep disorder*[tiab] or social interactive skill*[tiab] or tremor[tiab] or tubular dysfunction[tiab] or tubular injury[tiab] or verbal memory[tiab] or vision loss[tiab] or vision problem[tiab] or weakness[tiab]

#4 - "Pregnancy"[Mesh] OR pregnancy[tiab] OR "Pregnant Women"[Mesh] OR "pregnant women"[tiab] OR pregnant[tiab] OR "Lactation"[Mesh] OR lactation[tiab] OR "Breast Feeding"[Mesh] OR "breast feeding"[tiab] OR "Maternal Health"[Mesh] OR "maternal health"[tiab] OR "Prenatal Exposure Delayed Effects"[Mesh] OR "Maternal Exposure"[Mesh] OR pre-pregnancy[tiab] OR prenatal[tiab] OR maternal[tiab] OR mother*[tiab] OR postpartum[tiab] OR perinatal[tiab] OR peri-natal[tiab] OR preconception[tiab] OR preconception[tiab] OR peri-conception[tiab] OR periconceptional[tiab] OR "Peripartum Period"[Mesh] OR peripartum[tiab] OR peri-partum[tiab] OR gestation*[tiab] OR puerperium[tiab] OR "Maternal Nutritional Physiological Phenomena"[Mesh] OR "Infant"[Mesh] OR infant[tiab] OR "Infant, Newborn"[Mesh] OR newborn[tiab] OR baby[tiab] OR babies[tiab] OR "Fetus"[Mesh] OR fetus[tiab] OR "Child"[Mesh] OR toddler*[tiab] OR child[tiab] OR children[tiab] OR childhood[tiab] OR "Child, Preschool"[Mesh] OR preschool[tiab] OR teen*[tiab] OR "Adolescent"[Mesh] OR adolescent*[tiab] OR "Pediatrics"[Mesh] OR pediatric*[tiab] OR "Vulnerable

Populations"[Mesh] or "Health Disparate, Minority and Vulnerable Populations"[Mesh] or "Indigenous Peoples"[Mesh] or vulnerable-population*[tiab] or underserved-population*[tiab] or underserved-patient*[tiab] or disadvantaged-population*[tiab] or sensitive-population*[tiab] or indigenous-people*[tiab] or first-nation-people*[tiab] or native-people*[tiab] or native*[tiab] or native-born[tiab] or indigenous-population*[tiab] or tribe*[tiab]

#5 - "Social Determinants of Health"[Mesh] or Geography[Mesh] or "Access to Healthy Foods"[Mesh] OR "Food Deserts"[Mesh] OR "Food Security"[Mesh] or "Health Services Accessibility"[Mesh] or "Cross-Cultural Comparison"[Mesh] or Ethnicity[Mesh] or "Racial Groups"[Mesh] or "Race Factors"[Mesh] or "Cultural Characteristics"[Mesh] or "Health Equity"[Mesh] or "Feeding Behavior/ethnology"[Mesh] or "Food Preferences/ethnology"[Mesh] or (social-determinants-of-health[tiab] OR health-social-determinant*[tiab] OR structural-determinants-of-health[tiab] OR health-structural-determinant*[tiab] OR geography[tiab] OR geographic-factor*[tiab] OR factor-geographic[tiab] OR social-risk-factor*[tiab] OR factor-social-risk[tiab] OR health-correlate*[tiab] OR correlate-health[tiab] OR population-at-risk[tiab] OR populations-at-risk[tiab] OR access-to-healthy-food*[tiab] OR healthy-food-availability[tiab] OR availability-healthy-food[tiab] OR access-to-health-food[tiab] OR food-desert*[tiab] OR food-security[tiab] OR security-food[tiab] OR accessibilities-health-services[tiab] OR access-to-health-services[tiab] OR access-to-care*[tiab] OR accessibility-of-health-service*[tiab] OR access-to-health-care[tiab] OR health-service-geographic-accessibility[tiab] OR access-to-treatment*[tiab] OR access-to-medicine*[tiab] OR access-to-medication*[tiab] OR cross-cultural-comparison*[tiab] OR ethnicity[tiab] OR ethnic-group*[tiab] OR nationality[tiab] OR nationalities[tiab] OR racial-group*[tiab] OR race*[tiab] OR race-factor*[tiab] OR racial-factor*[tiab] OR cultural-characteristic*[tiab] OR health-equity[tiab] OR equity-health[tiab])

#6 - "Cost-Benefit Analysis"[Mesh] or cost-benefit-analysis[tiab] or cost-benefit-analyses[tiab] or cost-benefit[tiab] or cost-and-benefit[tiab] or benefit-and-cost[tiab] or marginal-analysis[tiab] or economic-evaluation*[tiab] or "Risk Assessment"[Mesh] or risk-assessment*[tiab] or risks-and-benefits[tiab] or benefits-and-risks[tiab] or risk-analysis[tiab]

#7 - #1 and #2 and #3 and #4 and #5 and #6

#8 - #7 NOT ("Animals"[Mesh] NOT ("Animals"[Mesh] AND "Humans"[Mesh])) NOT (editorial[ptyp] OR comment[ptyp] OR news[ptyp] OR letter[ptyp] OR review[ptyp] OR systematic review[ptyp] OR systematic review[ti] OR meta-analysis[ptyp] OR meta-analysis[ti] OR meta-analyses[ti] OR retracted publication[ptyp] OR retraction of publication[ptyp] OR retraction of publication[tiab] OR retraction notice[ti])

Filters: Publication date from 2019/01/01; English

Results: 39