**Appendix**

**PubMed Search String - PCC 1**

( ( ((racial[tiab] OR ethnic[tiab]) AND minorit\*[tiab] AND (america\*[tiab] OR united states[tiab] OR US[ti] OR “u.s.”[ti])) OR ((undocumented[tiab] OR immigrant\*[tiab] OR migrant\*[tiab]) AND (america\*[tiab] OR united states[tiab] OR US[ti] OR “u.s.”[ti])) ) OR ( "Indians, North American"[Mesh] OR "native american\*"[tiab] OR "north american amerind\*"[tiab] OR "american indian\*"[tiab] OR ((Cherokee[tiab] OR Chippewa[tiab] OR Navajo[tiab] OR Sioux[tiab] OR Choctaw[tiab]) AND (adult\*[tiab] OR american\*[tiab] OR ancestry[tiab] OR citizen\*[tiab] OR communit\*[tiab] OR ethnic[tiab] OR heritage[tiab] OR indian\*[tiab] OR indigenous[tiab] OR individual\*[tiab] OR men[tiab] OR minorit\*[tiab] OR nation\*[tiab] OR native\*[tiab] OR participant\*[tiab] OR patient\*[tiab] OR population\*[tiab] OR racial[tiab] OR reservation\*[tiab] OR resident\*[tiab] OR tribal[tiab] OR tribe\*[tiab] OR "u.s."[tiab] OR "united states"[tiab] OR us[tiab] OR women[tiab])) OR ((apache[tiab] OR Chippewa[tiab] OR blackfeet[tiab] OR Iroquois[tiab] OR Pueblo[tiab]) AND (tribe\*[tiab] OR tribal[tiab] OR heritage[tiab] OR reservation[tiab] OR nation[tiab])) OR "chippewa indian\*"[tiab] OR "apache indian\*"[tiab] OR "blackfeet indian\*"[tiab] OR "iroquois indian\*"[tiab] OR "pueblo indian\*"[tiab] ) OR ( "Alaska Natives"[Mesh] OR ((alaska[tiab] OR Alaskan[tiab]) AND (athabascan\*[tiab] OR ethnic[tiab] OR indigenous[tiab] OR native\*[tiab] OR tribal[tiab] OR tribe\*[tiab] OR inuit\*[tiab])) ) OR ( "Asian Americans"[Mesh] OR ((asian\*[tiab] OR chinese\*[tiab] OR filipino\*[tiab] OR indian[tiab] OR indians[tiab] OR japanese\*[tiab] OR korean\*[tiab] OR philippino\*[tiab] OR pilipino\*[tiab] OR vietnamese\*[tiab] OR pakistani[tiab] OR Bangladeshi[tiab]) AND (american[tiab] OR americans[tiab] OR "united states"[ti] OR “u.s.”[ti])) ) OR ( "African Americans"[Mesh] OR "african american\*"[tiab] OR ((black[tiab] OR blacks[tiab] OR afro-caribbean[tiab] OR afro-latin\*[tiab]) AND (us[tiab] OR "u.s."[tiab] OR "united states"[tiab] OR american\*[tiab] OR population\*[tiab] OR minorit\*[tiab] OR patient\*[tiab] OR adult\*[tiab] OR individual\*[tiab] OR men[tiab] OR women[tiab] OR participant\*[tiab] OR racial[tiab] OR resident\*)) OR ((ethiopian\*[tiab] OR nigerian\*[tiab] OR kenyan\*[tiab]) AND (american\*[tiab] OR america[ti] OR united states[ti] OR us[ti] OR “u.s.”[ti])) ) OR ( "Hispanic Americans"[Mesh] OR hispanic\*[tiab] OR latino\*[tiab] OR latina\*[tiab] OR latinx[tiab] OR "puerto rican\*"[tiab] OR "mexican american\*" [tiab] OR "cuban american\*" [tiab] ) OR ( "Oceanic Ancestry Group"[Mesh] OR guamanian\*[tiab] OR "hawaiian native\*"[tiab] OR "native hawaiian\*"[tiab] OR ((chamorro\*[tiab] OR "pacific islander\*"[tiab] OR polynesian\*[tiab] OR samoan\*[tiab]) AND (american[tiab] OR americans[tiab])) ) OR ( "Blindness"[Mesh] OR (vision[tiab] AND (impair\*[tiab] OR blind\*[tiab])) OR low vision[tiab] OR blindness[tiab] OR vision impair\*[tiab] OR vision difficult\*[tiab] OR difficulty seeing[tiab] OR vision loss[tiab] OR visually impaired[tiab] OR "Self Care"[Mesh] OR self care[tiab] OR self-caring[tiab] OR self manag\*[tiab] OR self-monitor\*[tiab] OR self-maintenance[tiab] OR self-efficacy[tiab] OR difficulty bathing[tiab] OR difficulty dressing[tiab] OR bathing disability[tiab] OR difficulty grooming[tiab] OR difficulty washing[tiab] OR "Mobility Limitation"[Mesh] OR Wheelchair\*[tiab] OR Difficulty walking[ti] OR “physical disabilit\*”[ti] OR (walker[ti] AND (disabl\*[ti] OR impair\*[tiab] OR frail\*[tiab] OR gait[tiab])) OR ((gait[tiab] OR Ambulation[tiab] OR ambulatory[tiab] OR mobility[tiab]) AND (disturbance\*[tiab] OR impair\*[tiab] OR disorder\*[tiab] OR disabilit\*[tiab] OR problem\*[tiab])) OR "Independent Living"[Mesh] OR independent living[tiab] OR living independently[tiab] OR aging in place[tiab] OR ageing in place[tiab] OR ((aging[ti] OR ageing[ti]) AND independence[ti]) OR ((errand\*[tiab] OR shopping[tiab] OR tasks[ti]) AND independence[tiab]) OR ((daily living[ti] OR activities[ti] OR tasks[ti]) AND independence[ti]) OR (("Activities of Daily Living"[Majr] OR "activities of daily living"[ti]) AND impair\*[ti]) OR "functional impair\*"[tiab] OR "Persons With Hearing Impairments"[Mesh] OR (hearing[ti] AND (impair\*[tiab] OR disabled[ti] OR disabilit\*[ti] OR loss[ti])) OR deaf[tiab] OR deafness[ti] OR "Hard of Hearing"[tiab] OR "Auditory processing disorder\*"[tiab] OR "Cognitive Dysfunction"[Majr:NoExp] OR "Dementia"[Majr] OR "Intellectual Disability"[Majr] OR "Neurocognitive Disorders"[Majr:NoExp] OR "intellectual disabilit\*"[tiab] OR "Cognitive disabilit\*"[tiab] OR "Cognitive impairment\*"[tiab] OR "Cognitive Dysfunction\*"[tiab] OR "Neurocognitive Disorder\*"[tiab] OR "Cognitive Decline"[tiab] OR "Mental Deterioration"[tiab] OR Dementia[tiab] OR "Neurological impairment\*"[tiab] OR "difficulty concentrating"[tiab] OR "difficulty remembering"[tiab] OR "difficulty making decisions"[tiab] OR "organic brain syndrome\*"[tiab] ) OR ( "Pregnancy"[Mesh] OR "Perinatal Care"[Mesh] OR antenatal[tiab] OR ante-natal[tiab] OR antepartum[tiab] OR ante-partum[tiab] OR fetus[tiab] OR fetal[tiab] OR gestational[tiab] OR "in utero" [tiab] OR labor[tiab] OR labour[tiab] OR perinatal[tiab] OR pregnan\*[tiab] OR prenatal[tiab] OR pre-natal[tiab] OR postpartum[tiab] OR expectant mother\*[tiab]) OR ("Adolescent"[Majr] OR "Child"[Majr] OR "Infant"[Majr] OR adolescen\*[ti] OR babies[ti] OR baby[ti] OR boy[ti] OR boys[ti] OR boyhood[ti] OR girlhood[ti] OR child\*[ti] OR girl[ti] OR girls[ti] OR infan\*[ti] OR juvenil\*[ti] OR kid[ti] OR kids[ti] OR minors[ti] OR newborn\*[ti] OR new-born\*[ti] OR paediatric\*[ti] OR peadiatric\*[ti] OR pediatric\*[ti] OR preschool\*[ti] OR puber\*[ti] OR pubescen\*[ti] OR teen\*[ti] OR toddler\*[ti] OR underage\*[ti] OR under-age\*[ti] OR youth[ti] OR youths[ti] OR tots[ti] OR preteen[ti] OR school-age\*[ti] OR preadolescen\*[ti] OR offspring[ti] OR postpartum[ti] OR postnatal[ti] OR peripartum[ti] OR neonat\*[ti] OR neo-nat\*[ti] OR perinat\*[ti]) OR ("Aged"[Mesh] OR "Geriatrics"[Majr] OR "person with dementia"[tiab] OR Grandparent\*[tiab] OR Grandchildren[ti] OR Grandfamil\*[tiab] OR centarian\*[tiab] OR centenarian\*[tiab] OR elder\*[tiab] OR eldest[tiab] OR frail\*[tiab] OR geriatri\*[tiab] OR nonagenarian\*[tiab] OR octagenarian\*[tiab] OR octogenarian\*[tiab] OR old age\*[tiab] OR older adult\*[tiab] OR older age\*[tiab] OR older female\*[tiab] OR older male\*[tiab] OR older man[tiab] OR older men[tiab] OR older patient\*[tiab] OR older people[tiab] OR older person\*[tiab] OR older population[tiab] OR older subject\*[tiab] OR older woman[tiab] OR older women[tiab] OR oldest old\*[tiab] OR senior\*[tiab] OR senium[tiab] OR septuagenarian\*[tiab] OR supercentenarian\*[tiab] OR very old\*[tiab]) OR ( "Homosexuality"[Mesh] OR "Bisexuality"[Mesh] OR "Transgender Persons"[Mesh] OR bisexual\*[tiab] OR gay[tiab] OR gender minorit\*[tiab] OR homosexual\*[tiab] OR lesbian\*[tiab] OR LGBT\*[tiab] OR queer[tiab] OR sexual and gender minorit\*[tiab] OR sexual minorit\*[tiab] OR transgender\*[tiab] OR transsexual\*[tiab] OR transexual[tiab] OR "men who have sex with men"[tiab] OR "women who have sex with women"[tiab] OR (questioning[tiab] AND sexual\*[tiab]) ))

AND

("Patient Dropouts"[Majr] OR (("Community Participation"[Majr] OR Stakeholder\*[ti]) AND (research[ti] OR study[ti] OR studies[ti] OR trial\*[ti])) OR ((patient\*[tiab] OR participant\*[tiab] OR subject[tiab] OR subjects[tiab]) AND (study[tiab] OR studies[tiab] OR trial\*[tiab] OR research[tiab]) AND (attrition[ti] OR retention[ti] OR dropout\*[tiab] OR drop-out[tiab] OR withdrawal[tiab] OR recruit\*[ti] OR recruitment[tiab] OR incentiv\*[tiab] OR nonparticipation[tiab] OR engagement[ti] OR participation[tiab])) OR “patient-centered research”[tiab] OR “community-Based Research”[tiab] OR (("community participation"[tiab] OR "community engagement"[tiab] OR "consumer participation"[tiab] OR "consumer engagement"[tiab] OR "public participation"[tiab] OR "public engagement"[tiab] OR “policy maker\*”[tiab] OR “community partnership\*”[tiab]) AND (study[ti] OR studies[ti] OR trial\*[ti] OR research[ti])) )

AND

( ( "Research Design"[Majr:NoExp] OR "Patient Selection"[Majr] OR "Research Design\*"[tiab] OR "Study design\*"[tiab] OR "trial design\*"[tiab] OR “selection bias”[ti] OR ((Patient\*[tiab] OR subject\*[tiab] OR participant\*[tiab] OR volunteer\*[tiab] OR population\*[tiab]) AND (selection[tiab] OR recruit\*[tiab] OR criteria[tiab])) OR "selection for treatment\*"[tiab] OR ((selection[tiab] OR inclusion[tiab] OR exclusion[tiab]) AND criteria[tiab]) ) OR ( "Architectural Accessibility"[Majr] OR ((access\*[tiab]) AND (site\*[tiab] OR location[tiab] OR facility\*[tiab] OR place[tiab] OR building\*[tiab] OR hospital[tiab] OR hospitals[tiab] OR transportation[tiab] OR neighborhood\*[tiab] OR physical[ti])) OR ((travel[tiab] OR transportation[tiab] OR access\*[tiab] OR transit[tiab]) AND (problem\*[tiab] OR issue\*[tiab] OR barrier\*[tiab])) ) OR ( "Socioeconomic Factors"[Mesh] OR Employment[tiab] OR employed[ti] OR labor[ti] OR labor force[tiab] OR underemploy\*[tiab] OR unemploy\*[tiab] OR work[ti] OR working[ti] OR job[ti] OR employee\*[tiab] OR employer\*[tiab] OR economic[tiab] OR socioeconomic\*[tiab] OR workplace\*[tiab] OR “household income”[tiab] OR low-wage[tiab] OR debt[tiab] OR family income[tiab] OR financial strain[tiab] OR "Poverty"[Mesh] OR Medicaid[tiab] OR (low-income[tiab] NOT (country[tiab] OR countries[tiab] OR nation\*[tiab])) OR indigen\*[tiab] ) OR ( "Education"[Mesh] OR "Students"[Majr:NoExp] OR "Student Dropouts"[Mesh] OR education\*[tiab] OR “higher ed”[tiab] OR college\*[tiab] OR universit\*[tiab] OR high school[tiab] OR school\*[ti] OR classroom\*[ti] OR student\*[tiab] OR elementary education[tiab] OR middle school[tiab] OR preschool[tiab] OR "Language"[Majr] OR language\*[ti] OR literacy[tiab] OR dialect\*[tiab] OR english learner\*[tiab] OR ESL[tiab] OR english as a second language[tiab] OR non-english speaker\*[tiab] ) OR ( "Social Determinants of Health"[Mesh] OR "Social Norms"[Mesh] OR "Social Values"[Mesh] OR social determinants of health[tiab] OR SDOH[tiab] OR social gradient\*[tiab] OR social status[tiab] OR social[ti] OR (Social Determinant\*[tiab] AND health\*[ti]) OR ((Disparit\*[tiab] OR equity[tiab] OR inequalit\*[tiab] OR adverse[ti]) AND social[tiab] AND health[ti] AND (determinant\*[tiab] OR factor\*[ti] OR barrier\*[tiab] OR risk\*[ti])) OR ("Socioeconomic Factors"[Mesh] AND (determinant\*[tiab] OR factor\*[ti] OR barrier\*[tiab] OR risk\*[ti]) AND ("Health Status Disparities"[Mesh] OR health[ti])) ) OR ( "Health Services Accessibility"[Majr:NoExp] OR health care access\*[tiab] OR healthcare access\*[tiab] OR “access to health care”[tiab] OR “access to healthcare”[tiab] OR (access\*[ti] AND (care[ti] OR health[ti] OR healthcare[ti] OR services[ti])) OR ("Health Services Accessibility"[Majr:NoExp] OR health care access\*[tiab] OR healthcare access\*[tiab] OR “access to health care”[tiab] OR “access to healthcare”[tiab] OR (access\*[ti] AND (care[ti] OR health[ti] OR healthcare[ti] OR services[ti]))) AND ("Primary Health Care"[Majr:NoExp] OR primary care[tiab] OR primary healthcare[tiab] OR (primary[ti] AND (care[ti] OR health\*[ti]))) OR "Insurance"[Mesh] OR insurance[tiab] OR uninsured[tiab] OR "Health Literacy"[Majr] OR health literacy[tiab] OR health understanding[tiab] OR health knowledge[ti] OR "understanding of health"[tiab] OR "knowledge of health"[tiab] OR health awareness[tiab] ) OR ( ("Housing"[Majr] OR Housing[tiab] OR lodging\*[tiab] OR apartment\*[tiab] OR home[ti] OR homes[tiab] OR ghetto\*[tiab] OR residence\*[ti] OR homeless\*[tiab] OR neighborhood\*[tiab] OR dwelling\*[tiab] OR evict\*[tiab] OR rent[tiab] OR home ownership[tiab] OR shelter\*[tiab] OR household[tiab] OR gentrif\*[tiab] OR urban\*[ti] OR landlord\*[tiab] OR tenant\*[ti]) OR ("Food Supply"[Majr:NoExp] OR "food access"[tiab] OR “food accessibility”[tiab] OR "access to food"[tiab] OR food desert\*[tiab] OR food swamp\*[tiab] OR food insecurity[tiab] OR food bank\*[tiab] OR grocery store\*[tiab] OR food security[tiab] OR (("Vegetables"[Mesh] OR "Fruit"[Mesh] OR fruit\*[tiab] OR vegetable\*[tiab] OR "healthy eating"[tiab] OR "eating health\*"[tiab] OR health food\*[tiab] OR food[tiab]) AND access\*[tiab])) OR ("Internet Access"[Mesh] OR (access[tiab] AND (broadband[tiab] OR Wifi[tiab] OR wi-fi[tiab] OR internet[tiab]))) OR ("Crime"[Majr] OR crime[tiab] OR violence[tiab] OR murder\*[tiab] OR gun[tiab] OR guns[tiab]) OR (air quality[tiab] OR parks[tiab] OR playground\*[tiab] OR public trans\*[tiab] OR rural[ti] OR nonmetropolitan[tiab] OR trash[ti] OR litter[tiab] OR transportation[ti] OR traffic[tiab] OR car ownership[tiab] OR water quality[tiab] OR plumbing[ti] OR electricity[ti] OR sewer[ti] OR septic tank[ti] OR metropolitan[ti] OR pollution[tiab] OR pollutant\*[tiab] OR urban\*[ti] OR (environment\*[ti] AND (walk\*[ti] OR safe\*[ti] OR noise\* OR play[ti] OR worship[ti] OR learn\*[ti] OR live[ti] OR born[ti]))) ) OR ( "Political Activism"[Mesh] OR “civic participat\*”[tiab] OR “civic engag\*”[tiab] OR “civic activit\*”[tiab] OR “civic involv\*”[tiab] OR voting[tiab] OR vote[tiab] OR activist\*[tiab] OR “political participation\*”[tiab] OR “political involve\*”[tiab] OR “political engag\*”[tiab] OR “political participat\*”[tiab] OR civic[ti] OR political[ti] OR "Social Discrimination"[Mesh] OR Discrimination\*[tiab] OR bias[ti] OR racism[tiab] OR racist\*[tiab] OR prejudice\*[tiab] OR harassment[tiab] OR stigma[tiab] OR ostracism[tiab] OR racial profiling[tiab] OR sexism[tiab] OR "Prisons"[Mesh] OR prison\*[tiab] OR incarceration\*[tiab] OR incarcerate\*[tiab] OR imprison\*[tiab] OR jail\*[tiab] OR “detention center\*”[tiab] OR inmate\*[tiab] OR justice[tiab] OR "Social Support"[Mesh] OR "Interpersonal Relations"[Mesh] OR "Religion"[Mesh] OR neighbor[tiab] OR neighbors[tiab] OR interpersonal[tiab] OR person-to-person[tiab] OR community[ti] OR norms[tiab] OR bystander\*[tiab] OR gender[ti] OR religion[tiab] OR religious[tiab] OR (community[tiab] AND (connect\*[tiab] OR liaison\*[tiab] OR context[tiab])) OR “social agency”[tiab] OR “social cohesion”[tiab] OR “social context\*”[tiab] OR “social control”[tiab] OR “social exclusion”[tiab] OR “social inclusion”[tiab] OR “social integrat\*”[tiab] OR “social support\*”[tiab] OR Accultur\*[tiab] ) OR (( "Research Design"[Majr:NoExp] OR research design\*[tiab] OR trial design[tiab] OR study design[tiab] OR study report\*[tiab] OR research report\*[tiab] OR trial report\*[tiab] OR design[ti] OR report\*[ti]) AND ("Clinical Trials as Topic"[Majr] OR subject\*[tiab] OR participant\*[tiab] OR volunteer\*[tiab] OR patient\*[tiab] OR baseline[ti]) AND (characteristic\*[tiab] OR descript\*[tiab] OR demograph\*[tiab] OR inclusiv\*[tiab]) AND (age[tiab] OR race[tiab] OR ethnicity[tiab] OR sex[tiab] OR gender[tiab] ) ) OR ("Cultural Diversity"[Mesh] OR diversity[tiab] OR multicultural\*[tiab] OR cultural competen\*[tiab] OR linguistic competen\*[tiab]) )

AND

(( "case control studies"[Mesh] OR "cohort studies"[Mesh] OR "Follow-Up Studies"[Mesh] OR "Longitudinal Studies"[Mesh] OR "Prospective Studies"[Mesh] OR "Epidemiologic studies"[Mesh:NoExp] OR "Cross-sectional studies"[Mesh:NoExp] OR cohort[tiab] OR longitudinal[tiab] OR prospective[tiab] OR "Case control"[tiab] OR Retrospective[tiab] OR "Cross sectional"[tiab] OR (("Follow up"[tiab] OR observational[tiab]) AND (study[tiab] OR studies[tiab] OR research[ti])) NOT ("animals"[MeSH Terms] NOT "humans"[MeSH Terms]) ))

**PubMed Search String - PCC 2**

(research[ti] OR study[ti] OR trial\*[ti] OR patient\*[tiab] OR research participants[tiab])

AND

(( transgeneration\*[tiab] OR multi-generation\*[tiab] OR (longitudinal[ti] AND (trend\*[ti] OR population[ti] OR research[ti] OR study[ti])) OR lifecourse[tiab] OR life-course[tiab] OR lifespan\*[tiab] OR throughout life[tiab] OR life history[tiab] OR ((birth[tiab] OR newborn\*[tiab] OR new born[tiab] OR fetal[tiab] OR baby[tiab] OR babies[tiab] OR infancy[tiab] OR infant\*[tiab] OR youth[tiab] OR youths[tiab] OR early life[tiab]) AND child\*[tiab] AND (mother[tiab] OR father[tiab] OR maternal[tiab] OR paternal[tiab] OR adult\*[tiab]) AND (senior citizen\*[tiab] OR elderly[tiab] OR old age[tiab])) )

AND

( ((racial[tiab] OR ethnic[tiab]) AND minorit\*[tiab] AND (america\*[tiab] OR united states[tiab] OR US[ti] OR "u.s."[ti])) OR ((undocumented[tiab] OR immigrant\*[tiab] OR migrant\*[tiab]) AND (america\*[tiab] OR united states[tiab] OR US[ti] OR "u.s."[ti])) ) OR ( "Indians, North American"[Mesh] OR "native american\*"[tiab] OR "north american amerind\*"[tiab] OR "american indian\*"[tiab] OR ((Cherokee[tiab] OR Chippewa[tiab] OR Navajo[tiab] OR Sioux[tiab] OR Choctaw[tiab]) AND (adult\*[tiab] OR american\*[tiab] OR ancestry[tiab] OR citizen\*[tiab] OR communit\*[tiab] OR ethnic[tiab] OR heritage[tiab] OR indian\*[tiab] OR indigenous[tiab] OR individual\*[tiab] OR men[tiab] OR minorit\*[tiab] OR nation\*[tiab] OR native\*[tiab] OR participant\*[tiab] OR patient\*[tiab] OR population\*[tiab] OR racial[tiab] OR reservation\*[tiab] OR resident\*[tiab] OR tribal[tiab] OR tribe\*[tiab] OR "u.s."[tiab] OR "united states"[tiab] OR us[tiab] OR women[tiab])) OR ((apache[tiab] OR Chippewa[tiab] OR blackfeet[tiab] OR Iroquois[tiab] OR Pueblo[tiab]) AND (tribe\*[tiab] OR tribal[tiab] OR heritage[tiab] OR reservation[tiab] OR nation[tiab])) OR "chippewa indian\*"[tiab] OR "apache indian\*"[tiab] OR "blackfeet indian\*"[tiab] OR "iroquois indian\*"[tiab] OR "pueblo indian\*"[tiab] ) OR ( "Alaska Natives"[Mesh] OR ((alaska[tiab] OR Alaskan[tiab]) AND (athabascan\*[tiab] OR ethnic[tiab] OR indigenous[tiab] OR native\*[tiab] OR tribal[tiab] OR tribe\*[tiab] OR inuit\*[tiab])) ) OR ( "Asian Americans"[Mesh] OR ((asian\*[tiab] OR chinese\*[tiab] OR filipino\*[tiab] OR indian[tiab] OR indians[tiab] OR japanese\*[tiab] OR korean\*[tiab] OR philippino\*[tiab] OR pilipino\*[tiab] OR vietnamese\*[tiab] OR pakistani[tiab] OR Bangladeshi[tiab]) AND (american[tiab] OR americans[tiab] OR "united states"[ti] OR "u.s."[ti])) ) OR ( "African Americans"[Mesh] OR "african american\*"[tiab] OR ((black[tiab] OR blacks[tiab] OR afro-caribbean[tiab] OR afro-latin\*[tiab]) AND (us[tiab] OR "u.s."[tiab] OR "united states"[tiab] OR american\*[tiab] OR population\*[tiab] OR minorit\*[tiab] OR patient\*[tiab] OR adult\*[tiab] OR individual\*[tiab] OR men[tiab] OR women[tiab] OR participant\*[tiab] OR racial[tiab] OR resident\*)) OR ((ethiopian\*[tiab] OR nigerian\*[tiab] OR kenyan\*[tiab]) AND (american\*[tiab] OR america[ti] OR united states[ti] OR us[ti] OR "u.s."[ti])) ) OR ( "Hispanic Americans"[Mesh] OR hispanic\*[tiab] OR latino\*[tiab] OR latina\*[tiab] OR latinx[tiab] OR "puerto rican\*"[tiab] OR "mexican american\*" [tiab] OR "cuban american\*" [tiab] ) OR ( "Oceanic Ancestry Group"[Mesh] OR guamanian\*[tiab] OR "hawaiian native\*"[tiab] OR "native hawaiian\*"[tiab] OR ((chamorro\*[tiab] OR "pacific islander\*"[tiab] OR polynesian\*[tiab] OR samoan\*[tiab]) AND (american[tiab] OR americans[tiab])) ) OR ( "Blindness"[Mesh] OR (vision[tiab] AND (impair\*[tiab] OR blind\*[tiab])) OR low vision[tiab] OR blindness[tiab] OR vision impair\*[tiab] OR vision difficult\*[tiab] OR difficulty seeing[tiab] OR vision loss[tiab] OR visually impaired[tiab] OR "Self Care"[Mesh] OR self care[tiab] OR self-caring[tiab] OR self manag\*[tiab] OR self-monitor\*[tiab] OR self-maintenance[tiab] OR self-efficacy[tiab] OR difficulty bathing[tiab] OR difficulty dressing[tiab] OR bathing disability[tiab] OR difficulty grooming[tiab] OR difficulty washing[tiab] OR "Mobility Limitation"[Mesh] OR Wheelchair\*[tiab] OR Difficulty walking[ti] OR "physical disabilit\*"[ti] OR (walker[ti] AND (disabl\*[ti] OR impair\*[tiab] OR frail\*[tiab] OR gait[tiab])) OR ((gait[tiab] OR Ambulation[tiab] OR ambulatory[tiab] OR mobility[tiab]) AND (disturbance\*[tiab] OR impair\*[tiab] OR disorder\*[tiab] OR disabilit\*[tiab] OR problem\*[tiab])) OR "Independent Living"[Mesh] OR independent living[tiab] OR living independently[tiab] OR aging in place[tiab] OR ageing in place[tiab] OR ((aging[ti] OR ageing[ti]) AND independence[ti]) OR ((errand\*[tiab] OR shopping[tiab] OR tasks[ti]) AND independence[tiab]) OR ((daily living[ti] OR activities[ti] OR tasks[ti]) AND independence[ti]) OR (("Activities of Daily Living"[Majr] OR "activities of daily living"[ti]) AND impair\*[ti]) OR "functional impair\*"[tiab] OR "Persons With Hearing Impairments"[Mesh] OR (hearing[ti] AND (impair\*[tiab] OR disabled[ti] OR disabilit\*[ti] OR loss[ti])) OR deaf[tiab] OR deafness[ti] OR "Hard of Hearing"[tiab] OR "Auditory processing disorder\*"[tiab] OR "Cognitive Dysfunction"[Majr:NoExp] OR "Dementia"[Majr] OR "Intellectual Disability"[Majr] OR "Neurocognitive Disorders"[Majr:NoExp] OR "intellectual disabilit\*"[tiab] OR "Cognitive disabilit\*"[tiab] OR "Cognitive impairment\*"[tiab] OR "Cognitive Dysfunction\*"[tiab] OR "Neurocognitive Disorder\*"[tiab] OR "Cognitive Decline"[tiab] OR "Mental Deterioration"[tiab] OR Dementia[tiab] OR "Neurological impairment\*"[tiab] OR "difficulty concentrating"[tiab] OR "difficulty remembering"[tiab] OR "difficulty making decisions"[tiab] OR "organic brain syndrome\*"[tiab] ) OR ( "Pregnancy"[Mesh] OR "Perinatal Care"[Mesh] OR antenatal[tiab] OR ante-natal[tiab] OR antepartum[tiab] OR ante-partum[tiab] OR fetus[tiab] OR fetal[tiab] OR gestational[tiab] OR "in utero" [tiab] OR labor[tiab] OR labour[tiab] OR perinatal[tiab] OR pregnan\*[tiab] OR prenatal[tiab] OR pre-natal[tiab] OR postpartum[tiab] OR expectant mother\*[tiab]) OR ("Adolescent"[Majr] OR "Child"[Majr] OR "Infant"[Majr] OR adolescen\*[ti] OR babies[ti] OR baby[ti] OR boy[ti] OR boys[ti] OR boyhood[ti] OR girlhood[ti] OR child\*[ti] OR girl[ti] OR girls[ti] OR infan\*[ti] OR juvenil\*[ti] OR kid[ti] OR kids[ti] OR minors[ti] OR newborn\*[ti] OR new-born\*[ti] OR paediatric\*[ti] OR peadiatric\*[ti] OR pediatric\*[ti] OR preschool\*[ti] OR puber\*[ti] OR pubescen\*[ti] OR teen\*[ti] OR toddler\*[ti] OR underage\*[ti] OR under-age\*[ti] OR youth[ti] OR youths[ti] OR tots[ti] OR preteen[ti] OR school-age\*[ti] OR preadolescen\*[ti] OR offspring[ti] OR postpartum[ti] OR postnatal[ti] OR peripartum[ti] OR neonat\*[ti] OR neo-nat\*[ti] OR perinat\*[ti]) OR ("Aged"[Mesh] OR "Geriatrics"[Majr] OR "person with dementia"[tiab] OR Grandparent\*[tiab] OR Grandchildren[ti] OR Grandfamil\*[tiab] OR centarian\*[tiab] OR centenarian\*[tiab] OR elder\*[tiab] OR eldest[tiab] OR frail\*[tiab] OR geriatri\*[tiab] OR nonagenarian\*[tiab] OR octagenarian\*[tiab] OR octogenarian\*[tiab] OR old age\*[tiab] OR older adult\*[tiab] OR older age\*[tiab] OR older female\*[tiab] OR older male\*[tiab] OR older man[tiab] OR older men[tiab] OR older patient\*[tiab] OR older people[tiab] OR older person\*[tiab] OR older population[tiab] OR older subject\*[tiab] OR older woman[tiab] OR older women[tiab] OR oldest old\*[tiab] OR senior\*[tiab] OR senium[tiab] OR septuagenarian\*[tiab] OR supercentenarian\*[tiab] OR very old\*[tiab]) OR ( "Homosexuality"[Mesh] OR "Bisexuality"[Mesh] OR "Transgender Persons"[Mesh] OR bisexual\*[tiab] OR gay[tiab] OR gender minorit\*[tiab] OR homosexual\*[tiab] OR lesbian\*[tiab] OR LGBT\*[tiab] OR queer[tiab] OR sexual and gender minorit\*[tiab] OR sexual minorit\*[tiab] OR transgender\*[tiab] OR transsexual\*[tiab] OR transexual[tiab] OR "men who have sex with men"[tiab] OR "women who have sex with women"[tiab] OR (questioning[tiab] AND sexual\*[tiab]) )

AND

( "Records"[Majr] OR "Demography"[Majr] OR data[tiab] OR information[tiab] OR demographics[tiab] OR demography[tiab] OR (population[tiab] AND (traits[tiab] OR characteristics[tiab] OR composition[tiab])) OR "electronic health records"[tiab] OR ehr[tiab] OR records[ti] OR ((data[ti] OR information[ti] OR record[ti] OR records[ti] OR demograph\*[ti]) AND (procurement[tiab] OR analysis[tiab] OR reporting[tiab] OR analytic\*[ti])) OR ((reporting[tiab] OR race[tiab] OR racial[tiab] OR gender[tiab] OR age[tiab]) AND (methods[tiab] OR demographics[tiab])) )

AND

( "Patient Dropouts"[Majr] OR ("Patient Selection"[Majr] AND (recruit\*[ti] OR attrition[ti] OR retention[ti] OR dropout\*[tiab] OR incentiv\*[tiab])) OR ((recruit\*[ti] OR attrition[ti] OR retention[ti] OR dropout\*[tiab] OR drop-out\*[tiab] OR integrat\*[tiab]) AND (study[ti] OR trial\*[ti] OR research[ti]) AND (participant\*[tiab] OR subject[tiab] OR subjects[tiab] OR patient\*[ti])) OR underrepresent\*[ti] OR exclusion[ti] ))

AND

((diversity[ti] OR representation[ti] OR overrepresent\*[ti] OR underrepresent\*[ti] OR over-represent\*[ti] OR under-represent\*[ti] OR (research[ti] AND exclusion[ti]) OR (criteria[ti] AND (inclusion[ti] OR exclusion[ti])) )

AND

(english[Filter])) NOT (student\*[ti] OR author\*[ti] OR academic[ti] OR physician[ti] OR faculty[ti] OR graduate[ti] OR resident[ti])

**Covid-19 Search String**

 ((((racial[tiab] OR ethnic[tiab]) AND minorit\*[tiab] AND (america\*[tiab] OR united states[tiab] OR US[ti] OR “u.s.”[ti])) OR ((undocumented[tiab] OR immigrant\*[tiab] OR migrant\*[tiab]) AND (america\*[tiab] OR united states[tiab] OR US[ti] OR “u.s.”[ti]))) OR ("Indians, North American"[Mesh] OR "native american\*"[tiab] OR "north american amerind\*"[tiab] OR "american indian\*"[tiab] OR ((Cherokee[tiab] OR Chippewa[tiab] OR Navajo[tiab] OR Sioux[tiab] OR Choctaw[tiab]) AND (adult\*[tiab] OR american\*[tiab] OR ancestry[tiab] OR citizen\*[tiab] OR communit\*[tiab] OR ethnic[tiab] OR heritage[tiab] OR indian\*[tiab] OR indigenous[tiab] OR individual\*[tiab] OR men[tiab] OR minorit\*[tiab] OR nation\*[tiab] OR native\*[tiab] OR participant\*[tiab] OR patient\*[tiab] OR population\*[tiab] OR racial[tiab] OR reservation\*[tiab] OR resident\*[tiab] OR tribal[tiab] OR tribe\*[tiab] OR "u.s."[tiab] OR "united states"[tiab] OR us[tiab] OR women[tiab])) OR ((apache[tiab] OR Chippewa[tiab] OR blackfeet[tiab] OR Iroquois[tiab] OR Pueblo[tiab]) AND (tribe\*[tiab] OR tribal[tiab] OR heritage[tiab] OR reservation[tiab] OR nation[tiab])) OR "chippewa indian\*"[tiab] OR "apache indian\*"[tiab] OR "blackfeet indian\*"[tiab] OR "iroquois indian\*"[tiab] OR "pueblo indian\*"[tiab]) OR ("Alaska Natives"[Mesh] OR ((alaska[tiab] OR Alaskan[tiab]) AND (athabascan\*[tiab] OR ethnic[tiab] OR indigenous[tiab] OR native\*[tiab] OR tribal[tiab] OR tribe\*[tiab] OR inuit\*[tiab]))) OR ("Asian Americans"[Mesh] OR ((asian\*[tiab] OR chinese\*[tiab] OR filipino\*[tiab] OR indian[tiab] OR indians[tiab] OR japanese\*[tiab] OR korean\*[tiab] OR philippino\*[tiab] OR pilipino\*[tiab] OR vietnamese\*[tiab] OR pakistani[tiab] OR Bangladeshi[tiab]) AND (american[tiab] OR americans[tiab] OR "united states"[ti] OR “u.s.”[ti]))) OR ("African Americans"[Mesh] OR "african american\*"[tiab] OR ((black[tiab] OR blacks[tiab] OR afro-caribbean[tiab] OR afro-latin\*[tiab]) AND (us[tiab] OR "u.s."[tiab] OR "united states"[tiab] OR american\*[tiab] OR population\*[tiab] OR minorit\*[tiab] OR patient\*[tiab] OR adult\*[tiab] OR individual\*[tiab] OR men[tiab] OR women[tiab] OR participant\*[tiab] OR racial[tiab] OR resident\*)) OR ((ethiopian\*[tiab] OR nigerian\*[tiab] OR kenyan\*[tiab]) AND (american\*[tiab] OR america[ti] OR united states[ti] OR us[ti] OR “u.s.”[ti]))) OR ("Hispanic Americans"[Mesh] OR hispanic\*[tiab] OR latino\*[tiab] OR latina\*[tiab] OR latinx[tiab] OR "puerto rican\*"[tiab] OR "mexican american\*" [tiab] OR "cuban american\*" [tiab]) OR ("Oceanic Ancestry Group"[Mesh] OR guamanian\*[tiab] OR "hawaiian native\*"[tiab] OR "native hawaiian\*"[tiab] OR ((chamorro\*[tiab] OR "pacific islander\*"[tiab] OR polynesian\*[tiab] OR samoan\*[tiab]) AND (american[tiab] OR americans[tiab]))) OR ("Blindness"[Mesh] OR (vision[tiab] AND (impair\*[tiab] OR blind\*[tiab])) OR low vision[tiab] OR blindness[tiab] OR vision impair\*[tiab] OR vision difficult\*[tiab] OR difficulty seeing[tiab] OR vision loss[tiab] OR visually impaired[tiab] OR "Self Care"[Mesh] OR self care[tiab] OR self-caring[tiab] OR self manag\*[tiab] OR self-monitor\*[tiab] OR self-maintenance[tiab] OR self-efficacy[tiab] OR difficulty bathing[tiab] OR difficulty dressing[tiab] OR bathing disability[tiab] OR difficulty grooming[tiab] OR difficulty washing[tiab] OR "Mobility Limitation"[Mesh] OR Wheelchair\*[tiab] OR Difficulty walking[ti] OR “physical disabilit\*”[ti] OR (walker[ti] AND (disabl\*[ti] OR impair\*[tiab] OR frail\*[tiab] OR gait[tiab])) OR ((gait[tiab] OR Ambulation[tiab] OR ambulatory[tiab] OR mobility[tiab]) AND (disturbance\*[tiab] OR impair\*[tiab] OR disorder\*[tiab] OR disabilit\*[tiab] OR problem\*[tiab])) OR "Independent Living"[Mesh] OR independent living[tiab] OR living independently[tiab] OR aging in place[tiab] OR ageing in place[tiab] OR ((aging[ti] OR ageing[ti]) AND independence[ti]) OR ((errand\*[tiab] OR shopping[tiab] OR tasks[ti]) AND independence[tiab]) OR ((daily living[ti] OR activities[ti] OR tasks[ti]) AND independence[ti]) OR (("Activities of Daily Living"[Majr] OR "activities of daily living"[ti]) AND impair\*[ti]) OR "functional impair\*"[tiab] OR "Persons With Hearing Impairments"[Mesh] OR (hearing[ti] AND (impair\*[tiab] OR disabled[ti] OR disabilit\*[ti] OR loss[ti])) OR deaf[tiab] OR deafness[ti] OR "Hard of Hearing"[tiab] OR "Auditory processing disorder\*"[tiab] OR "Cognitive Dysfunction"[Majr:NoExp] OR "Dementia"[Majr] OR "Intellectual Disability"[Majr] OR "Neurocognitive Disorders"[Majr:NoExp] OR "intellectual disabilit\*"[tiab] OR "Cognitive disabilit\*"[tiab] OR "Cognitive impairment\*"[tiab] OR "Cognitive Dysfunction\*"[tiab] OR "Neurocognitive Disorder\*"[tiab] OR "Cognitive Decline"[tiab] OR "Mental Deterioration"[tiab] OR Dementia[tiab] OR "Neurological impairment\*"[tiab] OR "difficulty concentrating"[tiab] OR "difficulty remembering"[tiab] OR "difficulty making decisions"[tiab] OR "organic brain syndrome\*"[tiab]) OR ("Pregnancy"[Mesh] OR "Perinatal Care"[Mesh] OR antenatal[tiab] OR ante-natal[tiab] OR antepartum[tiab] OR ante-partum[tiab] OR fetus[tiab] OR fetal[tiab] OR gestational[tiab] OR "in utero" [tiab] OR labor[tiab] OR labour[tiab] OR perinatal[tiab] OR pregnan\*[tiab] OR prenatal[tiab] OR pre-natal[tiab] OR postpartum[tiab] OR expectant mother\*[tiab]) OR ("Adolescent"[Majr] OR "Child"[Majr] OR "Infant"[Majr] OR adolescen\*[ti] OR babies[ti] OR baby[ti] OR boy[ti] OR boys[ti] OR boyhood[ti] OR girlhood[ti] OR child\*[ti] OR girl[ti] OR girls[ti] OR infan\*[ti] OR juvenil\*[ti] OR kid[ti] OR kids[ti] OR minors[ti] OR newborn[ti] OR new-born[ti] OR newborns[ti] OR new-borns[ti] OR paediatric\*[ti] OR peadiatric\*[ti] OR pediatric\*[ti] OR preschool\*[ti] OR puber\*[ti] OR pubescen\*[ti] OR teen\*[ti] OR toddler\*[ti] OR underage\*[ti] OR under-age\*[ti] OR youth[ti] OR youths[ti] OR tots[ti] OR preteen[ti] OR school-age\*[ti] OR preadolescen\*[ti] OR offspring[ti] OR postpartum[ti] OR postnatal[ti] OR peripartum[ti] OR neonat\*[ti] OR neo-nat\*[ti] OR perinat\*[ti]) OR ("Aged"[Mesh] OR "Geriatrics"[Majr] OR "person with dementia"[tiab] OR Grandparent\*[tiab] OR Grandchildren[ti] OR Grandfamil\*[tiab] OR centarian\*[tiab] OR centenarian\*[tiab] OR elder\*[tiab] OR eldest[tiab] OR frail\*[tiab] OR geriatri\*[tiab] OR nonagenarian\*[tiab] OR octagenarian\*[tiab] OR octogenarian\*[tiab] OR old age\*[tiab] OR older adult\*[tiab] OR older age\*[tiab] OR older female\*[tiab] OR older male\*[tiab] OR older man[tiab] OR older men[tiab] OR older patient[tiab] OR older patients[tiab] OR older people[tiab] OR older person\*[tiab] OR older population[tiab] OR older subject\*[tiab] OR older woman[tiab] OR older women[tiab] OR oldest old\*[tiab] OR senior[tiab] OR seniors[tiab] OR senium[tiab] OR septuagenarian\*[tiab] OR supercentenarian\*[tiab] OR very old\*[tiab]) OR ("Homosexuality"[Mesh] OR "Bisexuality"[Mesh] OR "Transgender Persons"[Mesh] OR bisexual\*[tiab] OR gay[tiab] OR gender minorit\*[tiab] OR homosexual\*[tiab] OR lesbian\*[tiab] OR LGBT\*[tiab] OR queer[tiab] OR sexual and gender minorit\*[tiab] OR sexual minorit\*[tiab] OR transgender\*[tiab] OR transsexual\*[tiab] OR transexual[tiab] OR "men who have sex with men"[tiab] OR "women who have sex with women"[tiab] OR (questioning[tiab] AND sexual\*[tiab]))) AND ("Patient Dropouts"[Majr] OR (("Community Participation"[Majr] OR Stakeholder\*[ti]) AND (research[ti] OR study[ti] OR studies[ti] OR trial\*[ti])) OR ((patient\*[tiab] OR participant\*[tiab] OR subject[tiab] OR subjects[tiab]) AND (study[tiab] OR studies[tiab] OR trial\*[tiab] OR research[tiab]) AND (attrition[ti] OR retention[ti] OR dropout[tiab] OR drop-out[tiab] OR dropouts[tiab] OR drop-outs[tiab] OR withdrawal[tiab] OR recruit\*[ti] OR recruitment[tiab] OR incentiv\*[tiab] OR nonparticipation[tiab] OR engagement[ti] OR participation[tiab])) OR “patient-centered research”[tiab] OR “community-Based Research”[tiab] OR (("community participation"[tiab] OR "community engagement"[tiab] OR "consumer participation"[tiab] OR "consumer engagement"[tiab] OR "public participation"[tiab] OR "public engagement"[tiab] OR “policy maker\*”[tiab] OR “community partnership\*”[tiab]) AND (study[ti] OR studies[ti] OR trial\*[ti] OR research[ti]))) OR ("Research Design"[Majr:NoExp] OR "Patient Selection"[Majr] OR "Research Design\*"[tiab] OR "Study design\*"[tiab] OR "trial design\*"[tiab] OR “selection bias”[ti] OR ((Patient\*[tiab] OR subject\*[tiab] OR participant\*[tiab] OR volunteer\*[tiab] OR population\*[tiab]) AND (selection[tiab] OR recruit\*[tiab] OR criteria[tiab])) OR "selection for treatment\*"[tiab] OR ((selection[tiab] OR inclusion[tiab] OR exclusion[tiab]) AND criteria[tiab]) OR ("Patient Selection"[Majr] AND (recruit\*[ti] OR attrition[ti] OR retention[ti] OR dropout\*[tiab] OR incentiv\*[tiab])) OR ((recruit\*[ti] OR attrition[ti] OR retention[ti] OR dropout\*[tiab] OR drop-out\*[tiab] OR integrat\*[tiab]) AND (study[ti] OR trial\*[ti] OR research[ti]) AND (participant\*[tiab] OR subject[tiab] OR subjects[tiab] OR patient\*[ti]))) AND (underrepresent\*[ti] OR exclusion[ti] OR diversity[ti] OR representation[ti] OR overrepresent\*[ti] OR underrepresent\*[ti] OR over-represent\*[ti] OR under-represent\*[ti] OR (research[ti] AND exclusion[ti]) OR (criteria[ti] AND (inclusion[ti] OR exclusion[ti])) OR "Patient Selection"[Majr] OR inclusiv\*[tiab] OR diversity[tiab] OR bias[ti] OR biases[ti]) AND ("COVID-19" OR "COVID-19"[MeSH Terms] OR "COVID-19 Vaccines" OR "COVID-19 Vaccines"[MeSH Terms] OR "COVID-19 serotherapy" OR "COVID-19 serotherapy"[Supplementary Concept] OR "COVID-19 Nucleic Acid Testing" OR "covid-19 nucleic acid testing"[MeSH Terms] OR "COVID-19 Serological Testing" OR "covid-19 serological testing"[MeSH Terms] OR "COVID-19 Testing" OR "covid-19 testing"[MeSH Terms] OR "SARS-CoV-2" OR "sars-cov-2"[MeSH Terms] OR "Severe Acute Respiratory Syndrome Coronavirus 2" OR "NCOV" OR "2019 NCOV" OR (("coronavirus"[MeSH Terms] OR "coronavirus" OR "COV") AND 2019/11/01[PDAT] : 3000/12/31[PDAT]))