

Supplementary Table 1. Search Strategy for scoping review.			
Search	Concept	Query	Records Retrieved
#1	Cancer (humans)	(((((("Neoplasms"[MeSH Terms] OR "Neoplasm"[All Fields] OR "Neoplasia"[All Fields] OR "Neoplasias"[All Fields] OR "Tumors"[All Fields] OR "Tumor"[All Fields] OR "Tumoral"[All Fields] OR "Tumour"[All Fields] OR "Tumours"[All Fields] OR "Cancers"[All Fields] OR "Cancer"[All Fields] OR "Malignant Neoplasm"[All Fields] OR "Malignant Neoplasms"[All Fields] OR "neoplasm malignant"[All Fields] OR "neoplasms malignant"[All Fields] OR "Malignant"[All Fields] OR "Malignancy"[All Fields] OR "Malignancies"[All Fields] OR "Malignant Tumor"[All Fields] OR "Malignant Tumours"[All Fields] OR "tumor malignant"[All Fields] OR "tumor s"[All Fields] OR "Tumoral"[All Fields] OR "tumorous"[All Fields] OR "Tumour"[All Fields] OR "Neoplasms"[MeSH Terms] OR "Neoplasms"[All Fields] OR "Tumor"[All Fields] OR "tumour s"[All Fields] OR "tumoural"[All Fields] OR "tumourous"[All Fields] OR "Tumours"[All Fields] OR "Tumors"[All Fields]) AND ("malign"[All Fields] OR "malignance"[All Fields] OR "malignances"[All Fields] OR "Malignant"[All Fields] OR "malignants"[All Fields] OR "malignities"[All Fields] OR "malignity"[All Fields] OR "malignization"[All Fields] OR "malignized"[All Fields] OR "maligns"[All Fields] OR "Neoplasms"[MeSH Terms] OR "Neoplasms"[All Fields] OR "Malignancies"[All Fields] OR "Malignancy"[All Fields])) OR "Oncology"[All Fields] OR "Medical oncology"[MeSH Terms]) AND "humans"[MeSH Terms]) AND (humans[Filter])	3,920,224

#2	Genetics and/or genomics research (humans)	((("genetic research"[MeSH Terms] OR "research genetic"[All Fields] OR "genomic research"[All Fields] OR "genetics research"[All Fields] OR "genomics research"[All Fields] OR "genetic testing"[MeSH Terms] OR "genetics testing"[All Fields] OR "genetic profiling"[All Fields] OR "genomic profiling"[All Fields] OR "genomics profiling"[All Fields] OR "genome testing"[All Fields] OR "genomic testing"[All Fields] OR "genomics testing"[All Fields] OR "Whole-genome sequence"[All Fields] OR "exome sequencing"[All Fields] OR "exomic sequencing"[All Fields] OR "sequence analysis dna"[All Fields] OR "genome sequencing"[All Fields] OR "genomic sequencing"[All Fields] OR "genomics sequencing"[All Fields] OR "genomic sequence"[All Fields] OR "genetic sequencing"[All Fields] OR "genetics sequencing"[All Fields] OR "genetic sequence"[All Fields] OR "clinical sequencing"[All Fields] OR "genetic carrier screening"[All Fields] OR "carrier screening"[All Fields] OR "genetic screening"[All Fields] OR "genetic susceptibility testing"[All Fields] OR "genomic risk profiling"[All Fields] OR "genome based testing"[All Fields] OR "genomic medicine"[All Fields] OR "genetic counseling"[All Fields] OR "genetic information"[All Fields] OR "genetic diagnosis"[All Fields] OR "genomic diagnosis"[All Fields] OR "genetic diagnoses"[All Fields] OR "genomic diagnoses"[All Fields] OR "precision medicine"[All Fields] OR "individual genetic"[All Fields] OR "individual genomic"[All Fields] OR "individual genomics"[All Fields] OR "individual genome"[All Fields]) AND "humans"[MeSH Terms]) AND (humans[Filter])	280,114
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#3	Declination/refusal to participate (humans)	((("patient participation"[MeSH Terms] OR "refusal to participate"[MeSH Terms] OR "decision making"[MeSH Terms] OR "patient decision making"[All Fields] OR "patients decision making"[All Fields] OR "participant decision making"[All Fields] OR "participants decision making"[All Fields] OR "participation factors"[All Fields] OR ("reason"[All Fields] OR "reasonable"[All Fields] OR "reasonably"[All Fields] OR "reasons"[All Fields]) AND ("decline"[All Fields] OR "declined"[All Fields] OR "decliner"[All Fields] OR "decliners"[All Fields] OR "declines"[All Fields] OR "declining"[All Fields])) OR "reasons for participation"[All Fields] OR "enrollment barriers"[All Fields] OR "enrollment"[All Fields] OR "participate"[All Fields] OR "decline"[All Fields] OR "declining"[All Fields] OR "declining to participate"[All Fields] OR "risk perception"[All Fields] OR "participation factors"[All Fields] OR "decisional preferences"[All Fields] OR "participant preferences"[All Fields] OR "concern"[All Fields] OR "concerns"[All Fields] OR "barriers"[All Fields] OR "cancer worry"[All Fields] OR "genetic discrimination"[All Fields] OR "trial participation"[All Fields] OR "recruitment"[All Fields] OR "facilitators"[All Fields] OR "return of results"[All Fields]) AND "humans"[MeSH Terms]) AND (humans[Filter])	1,108,448
#4		#1 AND #2 AND #3	4,656
Search developed for MEDLINE (Pubmed), conducted on July 19 th , 2024. Filters: Species, Humans			

Supplementary Table 2. Data extraction instrument.					
Publication Details	Study characteristics	Study Methods	Study participants sociodemographic characteristics	Study participants clinical characteristics	Study Results
1.- Paper ID (Covidence ID) 2.- Publication source (database) 3.-Year of publication. 4.- First author (last name, name) 5.- Senior author (last name, name) 6.- Academic affiliation first author (industry, academic, foundation, government). 7.- Academic affiliation corresponding author (industry, academic, foundation, government)	1- Study design (cross-sectional, cohort study, case-control, clinical trial, review, qualitative, mix methods). 2.- Study aims. 3.-Study setting/location. 4.-Study sponsor/funding source (industry, academia, foundation, government). 5.- Period under study.	1.- Sampling method (i.e., method of participant identification/inclusion). 2.- Incentive of participation. 3.- Inclusion criteria. 4.- Exclusion criteria. 5.- Primary vs. secondary data analysis. 6.- Sequencing platform/technology. 7.- Time commitment. 8.- Study activities (surveys, interviews, specimen donation). 9.- Method of recruitment (electronic/digital, phone, phase-to-phase contact, mail, etc).	1.- Sample size. 2.- Racial and ethnic composition. 3.- Gender distribution. 4.- Age and/or age range. 5.- Socioeconomic status. 6.- Income level. 7.- Nativity (US-born vs. non-US-born). 8.- Region of origin. 9.- Insurance. 10.- Marital status. 11.- Level of education.	1.- Tumor site. 2.-Tumor type. 3.- Tumor stage at diagnosis. 4.- Tumor grade at diagnosis. 5.- Primary vs. secondary vs. recurrence. 6.- Treatment phase (pre-, during-, post-treatment) 7.- Family history of cancer (positive vs. negative first degree relative). 8.- Time since diagnosis to treatment. 9.- Time since diagnosis to study recruitment.	1.- Decline participation (i.e., participation rate). 2.- Reasons for declining participation. 3.- Characteristics of decliners (i.e., sociodemographic and clinical characteristics) 4.- Strategies to increase participation (i.e., enhance participation rate).