

Supplementary Table 1: Literature Search Strategy

Databases Searched	PubMed Web of Science Ovid-Medline
Search Keywords	("clinical trial accrual" OR "clinical trial enrollment" OR "clinical trial enrollment barriers" OR "enrollment in clinical trials" OR "patient participation in clinical trials" OR "patient decision making" OR "participation factors") AND cancer
Date Range Used	Jan 1, 2000 - Jan 1, 2020
No. of Results Returned	Total (n = 4,073) <ul style="list-style-type: none">▪ PubMed (n = 2,465)▪ Web of Science (n = 1,215)▪ Ovid-Medline (n = 393)
Results Included in 2 or More Databases	n = 830
Results with Mischaracterized Publication Year	n = 2
Titles and/or Abstracts Screened	n = 3,241
Non-relevant Results (Other Topics)	n = 3,181
Full Papers Reviewed (Including Published Abstracts)	n = 60
Articles and Abstracts Not Meeting Inclusion Criteria	n = 25
Included in Final Analysis	n = 35

Note: Two articles showed 2000 as the publication year but these articles were published in 1999 and were therefore excluded here.

Supplementary Table 2: List of articles assessed for inclusion in the analysis but excluded

Author/ Year	Title	Reason for exclusion
Brown, 2001	Recruitment and retention of minority women in cancer screening, prevention, and treatment trials.	Assesses intention to participate only.
Cox, 2002	Informed consent and decision-making: patients' experiences of the process of recruitment to phases I and II anti-cancer drug trials.	Study conducted in a non-US setting
Chang, 2002	Clinical trial participation among patients enrolled in the Glioma Outcomes Project.	Trial offer/availability not documented; study setting includes all of North America so may include non-US patients
Harter, 2005	Non-enrolment of ovarian cancer patients in clinical trials: reasons and background.	Study conducted in a non-US setting
Kaas, 2005	The impact of the physician on the accrual to randomized clinical trials in patients with primary operable breast cancer.	Study conducted in a non-US setting
Du, 2005	Predictors of enrollment in lung cancer clinical trials.	Trial offer/ availability and actual eligibility not documented
Ford, 2005	A randomized trial of recruitment methods for older African American men in the Prostate, Lung, Colorectal and Ovarian (PLCO) Cancer Screening Trial.	Intervention study to improve recruitment to screening study
Avis, 2006	Factors Associated With Participation in Breast Cancer Treatment Clinical Trials	Intervention study to increase accrual to clinical trials
Movsas, 2007	Who enrolls onto clinical oncology trials? A radiation Patterns Of Care Study analysis.	Trial offer/availability is not documented.
Du, 2008	An educational video to increase clinical trials enrollment among lung cancer patients.	Intervention study to increase accrual to clinical trials.
Du, 2009	An educational video to increase clinical trials enrollment among breast cancer patients.	Intervention study to increase accrual to clinical trials.
Guadagnolo, 2009	Involving American Indians and medically underserved rural populations in cancer clinical trials	Uses patient navigator system to increase clinical trial accrual
Holmes, 2011	Increasing minority patient participation in cancer clinical trials using oncology nurse navigation.	Enrollment enhanced through access to a nurse navigator.
Lien, 2011	Poor Accrual in Palliative Research Studies: An Update From the Rapid Response Radiotherapy Program.	Study conducted in a non-US setting
Proctor, 2011	A Screening Tool to Enhance Clinical Trial Participation at a Community Center Involved in a Radiation Oncology Disparities Program	Uses screening program to enhance enrollment
Green, 2012	Nonparticipation in a Population-Based Trial to Increase Colorectal Cancer Screening	Study of non-cancer patients
Jimenez, 2013	Clinical trial participation among ethnic/racial minority and majority patients with advanced cancer: what factors most influence enrollment?	Trial offer/availability is not documented; only documents if patient is on a trial from chart review
St. Germaine, 2013	Use of the National Cancer Institute Community Cancer Centers Program Screening and Accrual Log to Address Cancer Clinical Trial Accrual	Uses same database as Langford, 2014; excluded to avoid double counting
LeBlanc, 2013	Overcoming recruitment challenges in palliative care clinical trials.	Study conducted in a non-US setting
Madsen, 2014	Impact of a Clinical Trial Initiative on Clinical Trial Enrollment in a Multidisciplinary Prostate Cancer Clinic	No way to determine denominators of patients offered participation in a treatment vs. non-treatment trials
Stone, 2014	Factors affecting recruitment to an observational multicentre palliative care study.	Study conducted in a non-US setting
Fouad, 2016	Patient Navigation As a Model to Increase Participation of African Americans in Cancer Clinical Trials.	Utilizes patient navigator to improve rates of trial participation.
Roick, 2017	Factors associated with non-participation and dropout among cancer patients in a cluster-randomised controlled trial.	Study conducted in a non-US setting
Garrett, 2019	Before Consent: Qualitative Analysis of Deliberations of Patients With Advanced Cancer About Early-Phase Clinical Trials.	Patient interest is gauged before a trial is offered so examining decision based on offer is difficult
Harrison, 2019	Clinical trial participation of patients with glioblastoma at The University of Texas MD Anderson Cancer Center.	Trial offer is not clearly documented; eligibility seems to have been determined retrospectively in some cases