**Document S1.** Search strategy

*PubMed:*

("Neoplasms"[Mesh] OR cancer[tiab] OR oncol\*[tiab]) AND (((home based[tiab] OR home-based[tiab] OR community-based[tiab] OR community based[tiab] OR counseling[tiab]) AND ("Exercise"[Mesh] OR activit\*[tiab] OR exercise\*[tiab])) OR "Walking"[Mesh] OR "Leisure Activities"[Mesh] OR walking[tiab] OR "Activities of Daily Living"[Mesh:NoExp] OR activities of daily living[tiab] OR ADL[tiab] OR low-intens\*[tiab] OR low intens\*[tiab] OR moderate-intens\*[tiab] OR moderate intens\*[tiab]) AND("Fatigue"[Mesh] OR "Depression"[Mesh] OR "Depressive Disorder"[Mesh] OR "Anxiety"[Mesh] OR "Anxiety Disorders"[Mesh] OR fatigue[tiab] OR tired\*[tiab] OR depress\*[tiab] OR anxiety[tiab] OR "Mental Health"[Mesh] OR "Stress, Psychological"[Mesh] OR stress[tiab] OR mental health[tiab] OR mental problem\*[tiab] OR mental symptom\*[tiab] OR "Quality of Life"[Mesh] OR quality of life[tiab] OR QoL[tiab]) AND (randomized controlled trial[pt] OR controlled clinical trial[pt] OR randomized[tiab] OR clinical trials as topic[mesh:noexp] OR randomly[tiab] OR trial[ti] NOT (animals[mh] NOT humans [mh]))

*CINAHL:*

( (MH "Neoplasms+") OR ( TI (cancer OR oncol\*) OR AB (Cancer OR oncol\*) ) ) AND ( (home based OR home-based OR community-based OR community based OR counseling) ) AND ( ( MH "Exercise+" OR activit\* OR exercise\* OR MH "Leisure Activities+" OR MH "Walking+" OR MH "Activities of Daily Living" OR walking OR activities of daily living OR ADL OR low-intens\* OR low intens\* OR moderate intens\* OR moderate-intens\*) ) AND ( (MH "Fatigue+" OR MH "Depression+" OR MH "Anxiety+" OR MH "Anxiety Disorders+" OR MH "Stress, Psychological" OR MH "Mental Health" OR MH "Quality of Life+" OR fatigue OR tired\* OR depress\* OR anxiety OR stress OR mental health OR mental problem\* OR mental symptom\* OR quality of life OR QoL ) ) AND (PT “Randomized controlled trial” OR randomized OR randomly OR TI trial\*)

*PsycINFO:*

(DE "Neoplasms" OR DE "Benign Neoplasms" OR DE "Breast Neoplasms" OR DE "Endocrine Neoplasms" OR DE "Leukemias" OR DE "Melanoma" OR DE "Metastasis" OR DE "Nervous System Neoplasms" OR DE "Terminal Cancer" OR ( TI (cancer OR oncol\*) OR AB (cancer OR oncol\*) )) AND (home based OR home-based OR community-based OR community based OR counseling) AND (( DE "Exercise" OR DE "Aerobic Exercise" OR DE "Weightlifting" OR DE "Yoga" OR DE "Walking" OR DE "Activities of Daily Living" ) OR ( TI (exercise OR walking OR activities of daily living OR ADL OR low-intens\* OR low intens\* OR moderate-intens\* OR moderate intens\*) ) OR ( AB (exercise OR walking OR activities of daily living OR ADL OR low-intens\* OR low intens\* OR moderate-intens\* OR moderate intens\*) ) ) AND (( DE "Major Depression" OR DE "Anaclitic Depression" OR DE "Dysthymic Disorder" OR DE "Endogenous Depression" OR DE "Late Life Depression" OR DE "Postpartum Depression" OR DE "Reactive Depression" OR DE "Recurrent Depression" OR DE "Treatment Resistant Depression" OR DE "Depression (Emotion)" OR DE "Anxiety" OR DE "Anxiety Sensitivity" OR DE "Computer Anxiety" OR DE "Health Anxiety" OR DE "Mathematics Anxiety" OR DE "Performance Anxiety" OR DE "Social Anxiety" OR DE "Speech Anxiety" OR DE "Test Anxiety" OR DE "Anxiety Disorders" OR DE "Castration Anxiety" OR DE "Death Anxiety" OR DE "Generalized Anxiety Disorder" OR DE "Obsessive Compulsive Disorder" OR DE "Panic Attack" OR DE "Panic Disorder" OR DE "Phobias" OR DE "Separation Anxiety Disorder" OR DE "Trichotillomania" OR DE "Stress" OR DE "Academic Stress" OR DE "Caregiver Burden" OR DE "Chronic Stress" OR DE "Environmental Stress" OR DE "Financial Strain" OR DE "Minority Stress" OR DE "Occupational Stress" OR DE "Physiological Stress" OR DE "Post-Traumatic Stress" OR DE "Psychological Stress" OR DE "Social Stress" OR DE "Stress Reactions" OR DE "Psychological Stress" OR DE "Mental Health" OR DE "Mental Status" OR DE "Quality of Life" OR DE "Health Related Quality of Life" OR DE "Quality of Work Life" ) AND ( TI (fatigue OR tired\* OR depress\* OR anxiety OR stress OR mental health OR mental problem\* OR mental symptom\* OR quality of life OR QoL ) ) OR ( AB (fatigue OR tired\* OR depress\* OR anxiety OR stress OR mental health OR mental problem\* OR mental symptom\* OR quality of life OR QoL ) )) AND (DE "Randomized Controlled Trials" OR DE "Randomized Clinical Trials" OR DE "Clinical Trials" OR randomized OR randomly OR TI trial\* )

*Web of Science:*

TS=(cancer OR oncol\*) AND TS=("home based" OR home-based OR community-based OR "community based" OR counseling) AND TS=(exercise OR activ\* OR walking OR "activities of daily living" OR ADL OR "low intens\*" OR low-intens\* OR "moderate intens\*" OR moderate-intens\*) AND TS=(fatigue OR tired\* OR depress\* OR anxiety OR stress OR "mental health" OR "mental problem\*" OR "mental symptom\*" OR "quality of life" OR QoL) AND (TS=(randomized OR randomly) OR TI=trial\*)