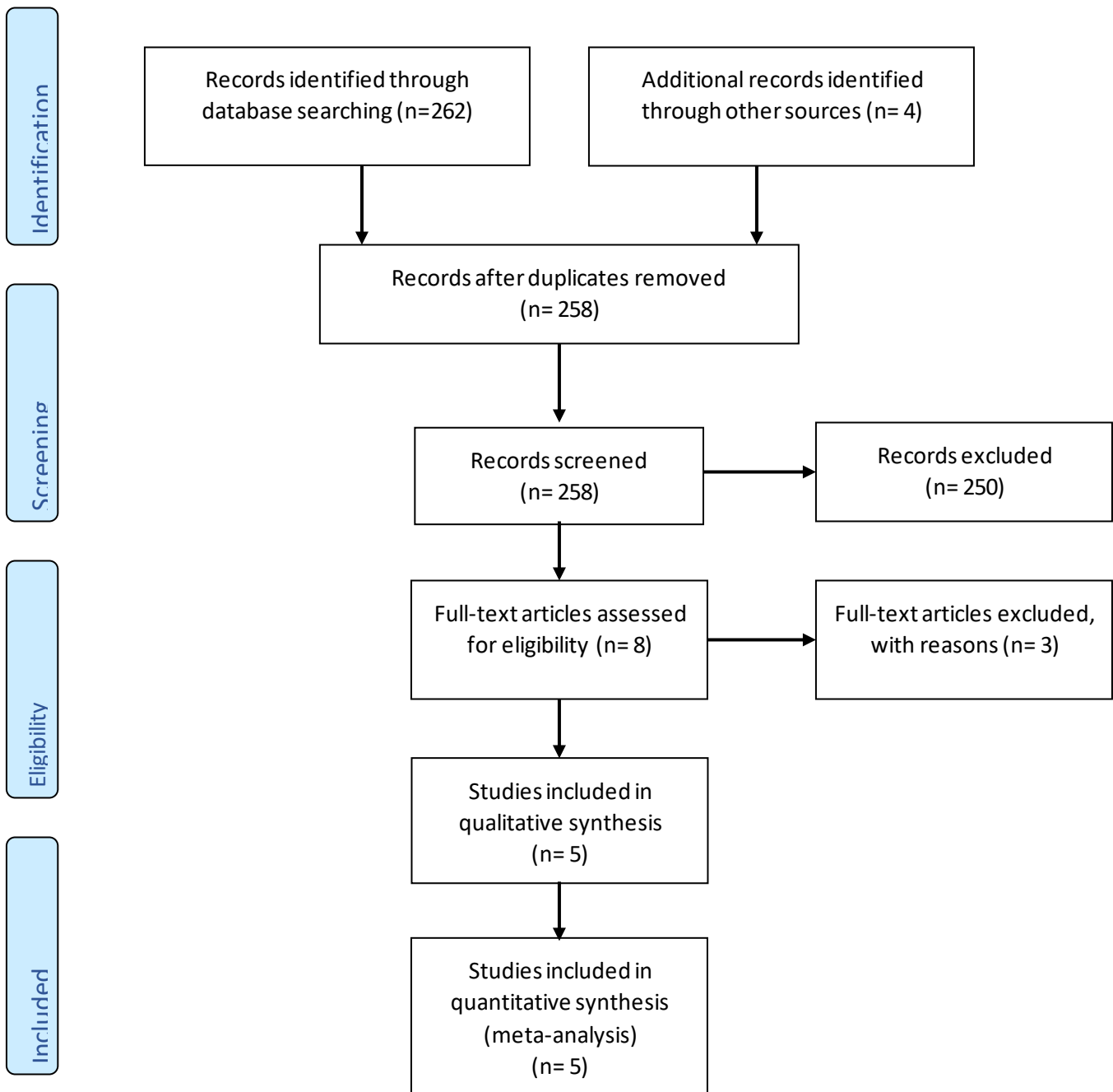


1. Electronic search strategy

Pubmed database

((("Lung Neoplasms"[Mesh]) OR (Lung Neoplasm[Title/Abstract]) OR (Lung Tumors[Title/Abstract]) OR (Lung Tumor[Title/Abstract]) OR (Lung Cancer[Title/Abstract]) OR (Lung Carcinoma[Title/Abstract]) OR (Lung Carcinomas[Title/Abstract]) OR (Lung Malignant Neoplasm[Title/Abstract]) OR (Lung Malignant Tumor[Title/Abstract]) OR (Pulmonary Neoplasm, Human[Title/Abstract]) OR (Pulmonary Neoplasms, Human[Title/Abstract]) OR (Pulmonary Carcinoma, Human[Title/Abstract]) OR (Pulmonary Carcinomas, Human[Title/Abstract]) OR (Pulmonary Cancer, Human[Title/Abstract]) OR (Pulmonary Cancers, Human[Title/Abstract])) AND ((Ipilimumab[Title/Abstract]) OR (Yervoy[Title/Abstract]) OR (Tremelimumab[Title/Abstract]) OR (Ticilimumab[Title/Abstract]) OR (Nivolumab[Title/Abstract]) OR (Opdivo[Title/Abstract]) OR (BMS-936558[Title/Abstract]) OR (MDX1106[Title/Abstract]) OR (Pembrolizumab[Title/Abstract]) OR (Keytruda[Title/Abstract]) OR (MK-3475[Title/Abstract]) OR (Lambrolizumab[Title/Abstract]) OR (Atezolizumab[Title/Abstract]) OR (Tecentriq[Title/Abstract]) OR (MPDL3280A[Title/Abstract]) OR (Durvalumab[Title/Abstract]) OR (MEDI4736[Title/Abstract]) OR (BMS936559[Title/Abstract]) OR (MDX-1105[Title/Abstract]) OR (Avelumab[Title/Abstract]) OR (MSB0010718C[Title/Abstract]) OR (Immune checkpoint inhibitor[Title/Abstract]) OR (PD-1 inhibitor[Title/Abstract]) OR (PD-1 antibody[Title/Abstract]) OR (PD-1[Title/Abstract]) OR (PD-L1 inhibitor[Title/Abstract]) OR (PD-L1 antibody[Title/Abstract]) OR (PDL1[Title/Abstract]) OR (CTLA-4 inhibitor[Title/Abstract]) OR (CTLA-4 antibody[Title/Abstract]) OR (CTLA-4[Title/Abstract]) OR ("Programmed Cell Death 1 Receptor"[Mesh])) AND (clinical trial) AND (randomized))

2. PRISMA Flow Diagram



Supplementary Figure 1. Funnel plot of overall survival SE, standard error

