

Table S1 MEDLINE complete (EbscoHOST) search terms and results for biomarkers in LCS

#	Query	Limiters/expanders	Results
S10	S3 AND S6 AND S9	Limiters—English language; expanders—apply related words, apply equivalent subjects; search modes—find all my search terms	569
S9	S7 OR S8	Expanders—apply related words, apply equivalent subjects; search modes—find all my search terms	580,144
S8	TI (((“computed tomography” OR “ct” OR cat) N2 (screen* OR imag* OR scan*)) OR “pet*ct”) OR AB (((“computed tomography” OR “ct” OR cat) N2 (screen* OR imag* OR scan*)) OR “pet*ct”)	Expanders—apply related words, apply equivalent subjects; search modes—find all my search terms	217,001
S7	(MH “Tomography Scanners, X-Ray Computed”) OR (MH “Tomography, X-Ray Computed+”)	Expanders—apply related words, apply equivalent subjects; search modes—find all my search terms	481,270
S6	S4 OR S5	Expanders—apply related words, apply equivalent subjects; search modes—find all my search terms	872,063
S5	TI (marker* OR biomarker* OR genom*)	Expanders—apply related words, apply equivalent subjects; search modes—find all my search terms	427,584
S4	(MM “Biomarkers, Tumor”) OR (MM “Genome+”) OR (MM “Whole Genome Sequencing+”) OR (MM “Genome-Wide Association Study”)	Expanders—apply related words, apply equivalent subjects; search modes—find all my search terms	562,561
S3	S1 OR S2	Expanders—apply related words, apply equivalent subjects; search modes—find all my search terms	263,304
S2	TI (((lung OR pulmonary OR bronch*) N2 (cancer* OR tumor* OR tumour* OR lymphoma* OR sarcoma* OR neoplasm* OR carcinoma* OR adenocarcinoma* OR adenoma* OR blastoma* OR malignanc*)) OR mesothelioma)	Expanders—apply related words, apply equivalent subjects; search modes—find all my search terms	194,619
S1	(MM “Lung Neoplasms+”)	Expanders—apply related words, apply equivalent subjects; search modes—find all my search terms	213,399

Table S2 MEDLINE Complete (EbscoHOST) search terms and results for biomarkers in never-smokers

#	Query	Limiters/expanders	Results
S11	S3 AND S6 AND S9	Limiters—English language; expanders—apply related words, apply equivalent subjects; search modes—find all my search terms	457
S10	S3 AND S6 AND S9	Expanders—apply related words, apply equivalent subjects; search modes—find all my search terms	479
S9	S7 OR S8	Expanders—apply related words, apply equivalent subjects; search modes—find all my search terms	41,445
S8	TI (nonsmoker* or “non-smoker*” or “never smoker*”) OR AB (nonsmoker* or “non-smoker*” or “never smoker*”)	Expanders—apply related words, apply equivalent subjects; search modes—find all my search terms	41,346
S7	(MH “Non-Smokers”)	Expanders—apply related words, apply equivalent subjects; search modes—find all my search terms	634
S6	S4 OR S5	Expanders—apply related words, apply equivalent subjects; search modes—find all my search terms	871,839
S5	TI (marker* OR biomarker* OR genom*)	Expanders—apply related words, apply equivalent subjects; search modes—find all my search terms	427,393
S4	(MM “Biomarkers, Tumor”) OR (MM “Genome+”) OR (MM “Whole Genome Sequencing+”) OR (MM “Genome-Wide Association Study”)	Expanders—apply related words, apply equivalent subjects; search modes—find all my search terms	562,504
S3	S1 OR S2	Expanders—apply related words, apply equivalent subjects; search modes—find all my search terms	263,179
S2	TI (((lung OR pulmonary OR branch*) N2 (cancer* OR tumor* OR tumour* OR lymphoma* OR sarcoma* OR neoplasm* OR carcinoma* OR adenocarcinoma* OR adenoma* OR blastoma* OR malignance*)) OR mesothelioma)	Expanders—apply related words, apply equivalent subjects; search modes—find all my search terms	194,532
S1	(MM “Lung Neoplasms+”)	Expanders—apply related words, apply equivalent subjects; search modes—find all my search terms	213,269

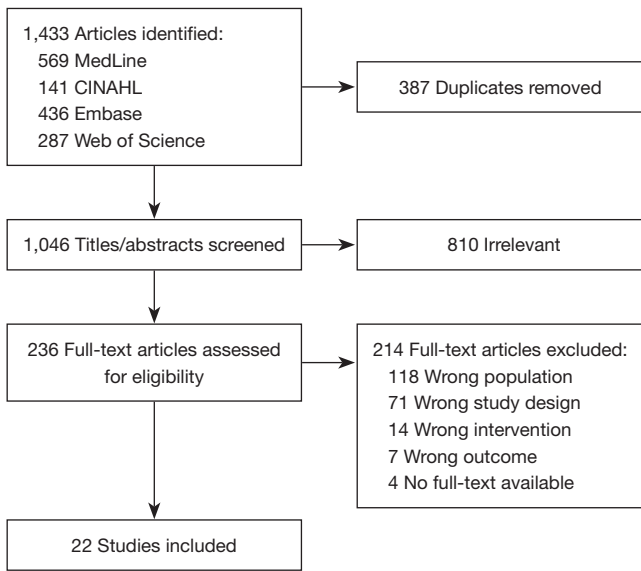


Figure S1 Flow chart indicating lung cancer screening article inclusion and exclusion with reasons for exclusion.

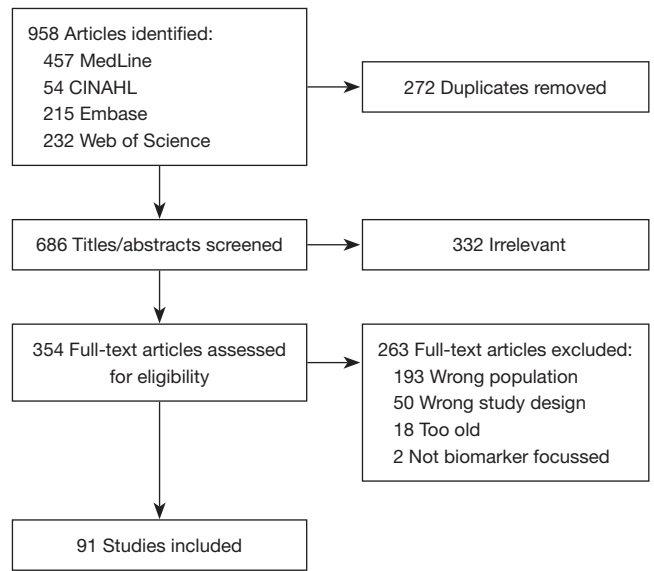


Figure S2 Flow chart indicating lung cancer in never-smoker article inclusion and exclusion with reasons for exclusion.