

Supplementary Table 2. Supplementary search strategy implemented in EMBASE

1	exp colon cancer/
2	exp lung cancer/
3	((colon* or colorect* or colo-rect* or colorrect* or intestin* or bowel or lung* or pulmon* or respirat* or bronch*) adj5 (cancer* or neoplas* or carcinom* or adenocarcinom* or sarcom* or malignan* or tumor* or tumour*)).tw.
4	1 or 2 or 3
5	exp survival/
6	mortality/ or all cause mortality/ or cancer mortality/ or hospital mortality/ or exp mortality rate/ or standardized mortality ratio/ or surgical mortality/
7	(survival or surviving or survive* or mortalit* or death* or "hazard rate*" or "hazard ratio*").tw.
8	5 or 6 or 7
9	4 and 8
10	(elder* or "oldest old" or "older adult*" or "old age" or "older patients" or aging or geriatr* or geronto* or octogenarian* or septuagenarian* or nonagenarian*).ti,ab.
11	9 and 10
12	limit 11 to english
13	limit 12 to (clinical trial or randomized controlled trial or controlled clinical trial or multicenter study or phase 1 clinical trial or phase 2 clinical trial or phase 3 clinical trial or phase 4 clinical trial)
14	12 not 13
15	limit 14 to (article or article in press or letter)
16	"cancer registr*".tw.
17	"population-based".tw.
18	17 or 16
19	15 and 18