

**Supplementary Table 4.** Excluded studies (order by year, cancer site, and author)

Cancer site	First author, date	Title	Reason for exclusion
Both sites	Gafa et al., 1991	Survival of patients with cancer of the stomach, colon and rectum, lung and breast in ragusa, sicily	No individual factor investigated
Colon/Colorectum	Slattery et al., 1995	The impact of family history of colon-cancer on survival after diagnosis with colon-cancer	Wrong age categories
Colon/Colorectum	Crocetti et al., 1996	Colorectal cancer survival - Population-based rates in the province of Florence	No individual factor investigated
Lung	Damhuis et al., 1996	Resection rates and postoperative mortality in 7,899 patients with lung cancer	No individual factor investigated
Colon/Colorectum	Monnet et al., 1998	Comparability of colorectal cancer survival data in three European population-based registries	No stratification by age
Both sites	Teppo et al., 1999	Cancer patient survival - Patterns, comparisons, trends - A population- based Cancer Registry study in Finland	More complete information in Dickman et al., 1999
Other cancer site	Lu-Yao et al., 1999	Effect of age and surgical approach on complications and short-term mortality after radical prostatectomy - A population-based study	Wrong topic
Lung	Kuo et al., 2000	Non-small cell lung cancer in very young and very old patients	No individual factor investigated
Both sites	Bradley et al., 2001	Disparities in cancer diagnosis and survival	No stratification by age
Colon/Colorectum	Faivre-Finn et al., 2002	Colon cancer in France: evidence for improvement in management and survival	No individual factor investigated
Lung	van Meerbeeck et al., 2002	High postoperative risk after pneumonectomy in elderly patients with right-sided lung cancer	Not population-based study
Colon/Colorectum	Folprecht et al., 2004	Efficacy of 5-fluorouracil-based chemotherapy in elderly patients with metastatic colorectal cancer: A pooled analysis of clinical trials	Not population-based study
Colon/Colorectum	O'Connell et al., 2004	Do young colon cancer patients have worse outcomes?	Wrong age categories
All cancer sites combined	Inghelmann et al., 2005	National estimates of cancer patients survival in Italy: A model-based method	Wrong cancer sites
Both sites	Janssen-Heijnen et al., 2005	Prognostic impact of increasing age and co-morbidity in cancer patients: a population-based approach	No individual factor investigated

Cancer site	First author, date	Title	Reason for exclusion
Colon/Colorectum	Iversen et al., 2005	Age and colorectal cancer with focus on the elderly: Trends in relative survival and initial treatment from a Danish Population-Based Study	No individual factor investigated
Colon/Colorectum	Milburn Jessup et al., 2005	Adjuvant chemotherapy for stage III colon cancer: Implications of race:ethnicity, age, and differentiation	Not population-based study
Colon/Colorectum	Mitry et al., 2005	Improvement in colorectal cancer survival: A population-based study	Wrong cancer sites
Colon/Colorectum	Scheiden et al., 2005	Colon cancer in Luxembourg: A national population-based data report, 1988-1998	No individual factor investigated
Both sites	Vercelli et al., 2006	Cancer survival in the elderly: effects of socio-economic factors and health care system features (ELDCARE project)	No individual factor investigated
Lung	Strand et al., 2006	Survival after resection for primary lung cancer: A population based study of 3211 resected patients	No individual factor investigated
Both sites	Gondos et al., 2007	Cancer survival in Germany and the United States at the beginning of the 21st century: An up-to-date comparison by period analysis	No individual factor investigated
Colon/Colorectum	Larsen et al., 2007	Survival after colorectal cancer in patients with Crohn's disease: A nationwide population-based Danish follow-up study	No individual factor investigated
Lung	Brokx et al., 2007	Surgical treatment for octogenarians with lung cancer: Results from a population-based series of 124 patients	Wrong age categories
Lung	Finlayson et al., 2007	Outcomes in Octogenarians Undergoing High-Risk Cancer Operation: A National Study	No individual factor investigated
Both sites	Micheli et al., 2009	The advantage of women in cancer survival: An analysis of EURO CARE-4 data	Wrong age categories
Lung	Koumariou et al., 2009	Non small cell lung cancer in the elderly: Clinico-pathologic, management and outcome characteristics in comparison to younger patients	Not population-based study
Both sites	Merrill et al., 2010	Conditional Survival Among Cancer Patients in the United States	No stratification by age
Colon/Colorectum	Dekker et al., 2011	Importance of the first postoperative year in the prognosis of elderly colorectal cancer patients	No individual factor investigated

Cancer site	First author, date	Title	Reason for exclusion
Colon/Colorectum	Phipps et al., 2011	Prediagnostic Smoking History, Alcohol Consumption, and Colorectal Cancer Survival The Seattle Colon Cancer Family Registry	Wrong age categories
Lung	Baunemann Ott et al., 2011	Survival and treatment patterns in elderly patients with advanced non-small-cell lung cancer in Manitoba	No individual factor investigated
Both sites	Syse et al., 2012	Cancer incidence, prevalence and survival in an aging Norwegian population	No individual factor investigated
Colon/Colorectum	Brenner et al., 2012	Progress in colorectal cancer survival in Europe from the late 1980s to the early 21st century: The EURO CARE study	No individual factor investigated
Lung	Cuffe et al., 2012	Adjuvant chemotherapy for non-small-cell lung cancer in the elderly: A population-based study in Ontario, Canada	No individual factor investigated
Lung	Janssen-Heijnen et al., 2012	Treatment and survival of patients with small-cell lung cancer: small steps forward, but not for patients > 80	Not enough information to see if potential effect of extent of disease on age difference
Lung	Paripati et al., 2012	Multimodality therapy improves survival in elderly patients with locally advanced non-small cell lung cancer-A retrospective analysis	Not population-based study
Other cancer site	Schildberg et al., 2012	Differences in the treatment of young gastric cancer patients: Patients under 50 years have better 5-year survival than older patients	Wrong cancer sites
Colon/Colorectum	Abraham et al., 2013	Adjuvant chemotherapy for stage III colon cancer in the oldest old: Results beyond clinical guidelines	Wrong age categories
Colon/Colorectum	Allemani et al., 2013	Colorectal cancer survival in the USA and Europe: A CONCORD high-resolution study	No individual factor investigated
Colon/Colorectum	Mitry et al., 2013	Improvement in survival of metastatic colorectal cancer: Are the benefits of clinical trials reproduced in population-based studies?	No individual factor investigated
Colon/Colorectum	van den Broek et al., 2013	Time trends in chemotherapy (administration and costs) and relative survival in stage III colon cancer patients - a large population-based study from 1990 to 2008	No stratification by age

Cancer site	First author, date	Title	Reason for exclusion
Colon/Colorectum	Van Gestel et al., 2013	Influence of comorbidity and age on 1-, 2-, and 3-month postoperative mortality rates in gastrointestinal cancer patients	No individual factor investigated
Colon/Colorectum	Wallace et al., 2013	Racial disparities in advanced-stage colorectal cancer survival	Wrong age categories
Colon/Colorectum	Hamaker et al., 2014	Improved survival for older patients undergoing surgery for colorectal cancer between 2008 and 2011	No individual factor investigated
Colon/Colorectum	Li et al., 2014	Better long-term survival in young patients with non-metastatic colorectal cancer after surgery, an analysis of 69,835 patients in SEER database	Wrong age categories
Colon/Colorectum	McKay et al., 2014	Does young age influence the prognosis of colorectal cancer: a population-based analysis	No individual factor investigated
Colon/Colorectum	Ortiz-Ortiz et al., 2014	Effects of Type of Health Insurance Coverage on Colorectal Cancer Survival in Puerto Rico: A Population-Based Study	No stratification by age
Colon/Colorectum	Sankaranarayanan et al., 2014	A registry study of the association of patient's residence and age with colorectal cancer survival	No individual factor investigated
Colon/Colorectum	Slavicek et al., 2014	Efficacy and safety of bevacizumab in elderly patients with metastatic colorectal cancer: Results from the Czech population-based registry	No individual factor investigated
Lung	Huang et al., 2014	Factors associated with lung cancer patients refusing treatment and their survival: A national cohort study under a universal health insurance in Taiwan	No individual factor investigated
Colon/Colorectum	Booth et al., 2015	Management and Outcome of Colorectal Cancer Liver Metastases in Elderly Patients: A Population-Based Study	No individual factor investigated
Colon/Colorectum	Khan et al., 2015	Surgical management of metastatic colon cancer: A population-based analysis	No individual factor investigated
Colon/Colorectum	Kotake et al., 2015	Tumour characteristics, treatment patterns and survival of patients aged	Not population-based study
Colon/Colorectum	Parakh et al., 2015	Patterns of care and outcomes for elderly patients with metastatic colorectal cancer in Australia	Not population-based study

Cancer site	First author, date	Title	Reason for exclusion
Colon/Colorectum	Wang et al., 2015	Clinicopathological Features and Survival Outcomes of Colorectal Cancer in Young Versus Elderly A Population-Based Cohort Study of SEER 9 Registries Data (1988-2011)	Wrong age categories
Colon/Colorectum	Zhang et al., 2015	Effects of Health Insurance on Tumor Stage, Treatment, and Survival in Large Cohorts of Patients with Breast and Colorectal Cancer	No individual factor investigated
Lung	Speicher et al., 2015	Outcomes after treatment of 17 378 patients with locally advanced (T3N0-2) non-small-cell lung cancer	No individual factor investigated
Other cancer site	Damhuis et al., 2015	Treatment patterns and survival analysis in 9014 patients with malignant pleural mesothelioma from Belgium, the Netherlands and England	Wrong cancer sites
Colon/Colorectum	Jiang et al., 2016	Effect of age on survival outcome in operated and non-operated patients with colon cancer: A population-based study	Wrong age categories
Colon/Colorectum	Maffei et al., 2016	Clinical features of colorectal cancer patients in advanced age: a population-based approach	No individual factor investigated
Colon/Colorectum	Yeo et al., 2016	Surgical oncology outcomes in the aging US population	Not population-based study
Both sites	Chen et al., 2017	Cancer survival in Qidong between 1972 and 2011: A population-based analysis	No individual factor investigated
Both sites	Kwak et al., 2017	Disparities by Age, Sex, Tumor Stage, Diagnosis Path, and Area-level Socioeconomic Status in Survival Time for Major Cancers: Results from the Busan Cancer Registry	No individual factor investigated
Colon/Colorectum	Chou et al., 2017	The impact of young age on the prognosis for colorectal cancer: A population-based study in Taiwan	Wrong cancer sites
Colon/Colorectum	Flemming et al., 2017	Association between the time to surgery and survival among patients with colon cancer: A population-based study	No individual factor investigated
Colon/Colorectum	Merchant et al., 2017	Management of stage III colon cancer in the elderly: Practice patterns and outcomes in the general population	No stratification by age
Colon/Colorectum	Schlesinger-Raab et al., 2017	Age and Outcome in Gastrointestinal Cancers: A Population-Based Evaluation of Oesophageal, Gastric and Colorectal Cancer	Wrong cancer sites

Cancer site	First author, date	Title	Reason for exclusion
Colon/Colorectum	Wallace et al., 2017	Racial Differences in Stage IV Colorectal Cancer Survival in Younger and Older Patients	Wrong age categories
Colon/Colorectum	Wan Kim et al., 2017	The impact of delayed commencement of adjuvant chemotherapy (eight or more weeks) on survival in stage II and III colon cancer: a national population-based cohort study	No individual factor investigated
Colon/Colorectum	Wu et al., 2017	Survival outcomes and surgical intervention of small intestinal neuroendocrine tumors: A population based retrospective study	Wrong age categories
Colon/Colorectum	Zhuang et al., 2017	Age-related disparity in patients with colorectal cancer: A population-based study from SEER program	No individual factor investigated
Both sites	Li et al., 2018	Has cancer survival improved for older people as for younger people? New South Wales, 1980-2012	No individual factor investigated
Colon/Colorectum	Babaei et al., 2018	Administration of adjuvant chemotherapy for stage II-III colon cancer patients: An European population-based study	No individual factor investigated
Colon/Colorectum	Breugom et al., 2018	Decrease in 30-day and one-year mortality over time in patients aged $\geq 75$ years with stage I-III colon cancer: A population-based study	No individual factor investigated
Lung	Dalwadi et al., 2018	Practice Patterns and Outcomes in Elderly Stage I Non-Small-cell Lung Cancer: A 2004 to 2012 SEER Analysis	No individual factor investigated
Lung	Damhuis et al., 2018	Usage of Prophylactic Cranial Irradiation in Elderly Patients With Small-cell Lung Cancer	No individual factor investigated
Lung	Damhuis et al., 2018	Population-based Results of Chemoradiotherapy for Limited Stage Small Cell Lung Cancer in The Netherlands	No individual factor investigated
Both sites	Alawadhi Eet al.,2019	Cancer survival trends in Kuwait, 2000-2013: A population-based study.	No response from authors
Both sites	Alawadhi et al.,2019	Cancer survival by stage at diagnosis in Kuwait: A population-based study	No stratification by age
Both sites	Arnold M. et al.,2019	Progress in cancer survival, mortality, and incidence in seven high-income countries 1995-2014 (ICBP SURVMARK-2): a population-based study	No individual factor investigated

Cancer site	First author, date	Title	Reason for exclusion
Both sites	Baglia et al.,2019	Diabetes Medication Use in Association with Survival among Patients of Breast, Colorectal, Lung, or Gastric Cancer	No individual factor investigated
Both sites	Cui et al.,2019	Use of Antihypertensive Medications and Survival Rates for Breast, Colorectal, Lung, or Stomach Cancer	No stratification by age
Both sites	Jang et al., 2019	Socioeconomic status and survival outcomes in elderly cancer patients: A national health insurance service-elderly sample cohort study	Wrong cancer sites
Both sites	Morishima et al.,2019	Impact of comorbidities on survival in gastric, colorectal, and lung cancer patients	No stratification by age
Colon/Colorectum	Adam et al.,2019	The association of cancer-related fatigue with all-cause mortality of colorectal and endometrial cancer survivors: Results from the population-based PROFILES registry	Wrong population
Colon/Colorectum	Ahl et al.,2019	Effect of beta-blocker therapy on early mortality after emergency colonic cancer surgery	No stratification by age
Colon/Colorectum	Alshareef et al.,2019	Association between race and cancer-related mortality among patients with colorectal cancer in the united states: A retrospective cohort study	No stratification by age
Colon/Colorectum	Andersen et al.,2019	Association of Race and Socioeconomic Status With Colorectal Cancer Screening, Colorectal Cancer Risk, and Mortality in Southern US Adults	No stratification by age
Colon/Colorectum	Arkenbosch et al.,2019	The association between body mass index and postoperative complications, 30-day mortality and long-term survival in Dutch patients with colorectal cancer	No stratification by age
Colon/Colorectum	Amarson et al.,2019	Postoperative complications following colonic resection for cancer are associated with impaired long-term survival	No stratification by age
Colon/Colorectum	Behman et al.,2019	Surgery for adhesive small-bowel obstruction is associated with improved long-term survival mediated through recurrence prevention: A population-based, propensity-matched analysis	Wrong cancer sites

Cancer site	First author, date	Title	Reason for exclusion
Colon/Colorectum	Benitez Majano et al.,2019	Surgical treatment and survival from colorectal cancer in Denmark, England, Norway, and Sweden: a population-based study	No stratification by age
Colon/Colorectum	Bergvall et al.,2019	Better survival for patients with colon cancer operated on by specialized colorectal surgeons - a nationwide population-based study in Sweden 2007-2010	No stratification by age
Colon/Colorectum	Bishnoiet al.,2019	Dipeptidyl peptidase 4 inhibitors as novel agents in improving survival in diabetic patients with colorectal cancer and lung cancer: A Surveillance Epidemiology and Endpoint Research Medicare study	No individual factor investigated
Colon/Colorectum	Bogach et al.,2019	1-Age-related survival differences in patients with inflammatory bowel disease-associated colorectal cancer: A population- based cohort study	Wrong cancer sites
Colon/Colorectum	Bos et al., 2019	Postoperative mortality in elderly patients with colorectal cancer: The impact of age, time-trends and competing risks of dying	No individual factor investigated
Colon/Colorectum	Brouwer et al., 2019	The gap in postoperative outcome between older and younger patients with stage I-III colorectal cancer has been bridged	No individual factor investigated
Colon/Colorectum	Callahan et al.,2019	Low colorectal cancer survival in the Mountain West state of Nevada: A population-based analysis	No stratification by age
Colon/Colorectum	Carroll et al.,2019	Trends in Colorectal Cancer Incidence and Survival in Iowa SEER Data: The Timing of It All	Wrong age categories
Colon/Colorectum	Cheung et al.,2019	Epidemiology, characteristics, and survival of post-colonoscopy colorectal cancer in Asia: A population-based study	No stratification by age
Colon/Colorectum	Degett et al.,2019	Mortality after emergency treatment of colorectal cancer and associated risk factors, Åa nationwide cohort study	No stratification by age
Colon/Colorectum	Drouillard et al.,2019	Net survival in recurrence-free colon cancer patients	No individual factor investigated
Colon/Colorectum	Dulskas et al.,2019	Metformin increases cancer specific survival in colorectal cancer patients-National cohort study	No stratification by age
Colon/Colorectum	Feng et al.,2019	Increasing age-related survival gap among patients with colorectal cancer: a population-based retrospective study	Wrong cancer sites



Cancer site	First author, date	Title	Reason for exclusion
Colon/Colorectum	Gan et al.,2019	Impact of the Affordable Care Act on Colorectal Cancer Screening, Incidence, and Survival in Kentucky	No stratification by age
Colon/Colorectum	Giesen et al.,2019	Inter-hospital variation in resection rates of colon cancer in the Netherlands: A nationwide study	No individual factor investigated
Colon/Colorectum	He et al.,2019	A Comprehensive Study of the Effect on Colorectal Cancer Survival of Common Germline Genetic Variation Previously Linked with Cancer Prognosis	No stratification by age
Colon/Colorectum	Heet al.,2019	Effects of common genetic variants associated with colorectal cancer risk on survival outcomes after diagnosis: A large population-based cohort study	No stratification by age
Colon/Colorectum	Hines et al.,2019	The association between post-treatment surveillance testing and survival in stage II and III colon cancer patients: An observational comparative effectiveness study	No stratification by age
Colon/Colorectum	Joachim et al., 2019	Overall survival of colorectal cancer by stage at diagnosis Data from the Martinique Cancer Registry	Wrong cancer sites
Colon/Colorectum	Kanemitsu et al.,2019	Nomograms predicting survival and recurrence in colonic cancer in the era of complete mesocolic excision	Wrong topic
Colon/Colorectum	Kocian et al.,2019	Is colorectal cancer a more aggressive disease in young patients? A population-based study from the Czech Republic	Wrong cancer sites
Colon/Colorectum	Lang et al.,2019	Extended Molecular Profiling Improves Stratification and Prediction of Survival After Resection of Colorectal Liver Metastases	Wrong population
Colon/Colorectum	Lee et al.,2019	Effect of length of time from diagnosis to treatment on colorectal cancer survival: A population-based study	No individual factor investigated
Colon/Colorectum	Li et al., 2019	Effects of surgery on survival of elderly patients with stage I small-cell lung cancer: analysis of the SEER database	Wrong age categories
Colon/Colorectum	Lloyd et al.,2019	Mental health disorders are more common in colorectal cancer survivors and associated with decreased overall survival	Wrong population

Cancer site	First author, date	Title	Reason for exclusion
Colon/Colorectum	Lycke et al.,2019	Preadmission use of antidepressants and risk of complications and death after colorectal cancer surgery: a nationwide population-based cohort study	Wrong cancer sites
Colon/Colorectum	Mendis et al.,2019	Right versus left sided metastatic colorectal cancer: Teasing out clinicopathologic drivers of disparity in survival	No stratification by age
Colon/Colorectum	Negri et al.,2019	Impact of laterality and mucinous histology on relapse-free and overall survival in a registry-based colon cancer series	No stratification by age
Colon/Colorectum	Phimha et al.,2019	Health Insurance and Colorectal Cancer Survival in Khon Kaen, Thailand.	No stratification by age
Colon/Colorectum	Pule et al.,2019	The effects of comorbidity on colorectal cancer mortality in an Australian cancer population	No stratification by age
Colon/Colorectum	Raouf et al.,2019	Liver Resection Improves Survival in Colorectal Cancer Patients: Causal-effects From Population-level Instrumental Variable Analysis	No stratification by age
Colon/Colorectum	Shi et al.,2019	Chemotherapy is associated with increased survival from colorectal signet ring cell carcinoma with distant metastasis: A Surveillance, Epidemiology, and End Results database analysis	No stratification by age
Colon/Colorectum	Shulman et al.,2019	Compliance with Cancer Quality Measures Over Time and Their Association with Survival Outcomes: The Commission on Cancer's Experience with the Quality Measure Requiring at Least 12 Regional Lymph Nodes to be Removed and Analyzed with Colon Cancer Resections	No stratification by age
Colon/Colorectum	Storli et al.,2019	Impact of increased resection rates and a liver parenchyma sparing strategy on long-term survival after surgery for colorectal liver metastases. A population-based study	No stratification by age
Colon/Colorectum	Sun et al.,2019	Impact of Insurance Status on Stage, Treatment, and Survival in Patients with Colorectal Cancer: A Population-Based Analysis	Wrong cancer sites
Colon/Colorectum	Syse et al.,2019	Short-term survival after colorectal cancer in a screened versus unscreened population	No stratification by age

Cancer site	First author, date	Title	Reason for exclusion
Colon/Colorectum	Te Marveldeet et al.,2019	Alignment with Indices of A Care Pathway Is Associated with Improved Survival: An Observational Population-based Study in Colon Cancer Patients.	No stratification by age
Colon/Colorectum	Ulanja et al.,2019	Colon Cancer Sidedness, Presentation, and Survival at Different Stages	No stratification by age
Colon/Colorectum	Vallance et al., 2019	The impact of advancing age on incidence of hepatectomy and post-operative outcomes in patients with colorectal cancer liver metastases: a population-based cohort study	Wrong cancer sites
Colon/Colorectum	Van Abbema et al., 2019	Trends in overall survival and treatment patterns in two large population-based cohorts of patients with breast and colorectal cancer	No individual factor investigated
Colon/Colorectum	Wang et al.,2019	Impact of Tumor Location and Variables Associated With Overall Survival in Patients With Colorectal Cancer: A Mayo Clinic Colon and Rectal Cancer Registry Study	Not population-based study
Colon/Colorectum	Wang et al.,2019	Association between Primary Tumor Location and Prognostic Survival in Synchronous Colorectal Liver Metastases after Surgical Treatment: A Retrospective Analysis of SEER Data	No individual factor investigated
Colon/Colorectum	Xu et al.,2019	Treatments for Stage IV Colon Cancer and Overall Survival	Not population-based study
Colon/Colorectum	Yu et al.,2019	The long-term survival characteristics of a cohort of colorectal cancer patients and baseline variables associated with survival outcomes with or without time-varying effects	No stratification by age
Colon/Colorectum	Zhou et al.,2019	Prognostic nomograms for predicting cause-specific survival and overall survival of stage I-III colon cancer patients: a large population-based study	Wrong topic
Lung	Arffman et al.,2019	The impact of severe mental illness on lung cancer mortality of patients with lung cancer in Finland in 1990-2013: a register-based cohort study	No stratification by age
lung	Cao et al.,2019	Clinicopathological characteristics, treatment and survival of pulmonary large cell neuroendocrine carcinoma: A SEER population-based study	No individual factor investigated

Cancer site	First author, date	Title	Reason for exclusion
Lung	Christensen et al.,2019	Treatment, no treatment and early death in Danish stage I lung cancer patients	No stratification by age
Lung	Dalwadi et al.,2019	A matter of comprehensive informed consent: Short-term mortality rates with definitive treatment options in elderly stage I NSCLC	No individual factor investigated
Lung	Duggan et al.,2019	Palliative care and psychosocial care in metastatic non-small cell lung cancer: factors affecting utilisation of services and impact on patient survival	No stratification by age
Lung	Gedvilaitė et al., 2019	Lung Cancer Survival in Lithuania: Changes by Histology, Age, and Sex From 2003-2007 to 2008-2012	No individual factor investigated
Lung	Gibson et al.,2019	Factors associated with early mortality in non-small cell lung cancer patients following systemic anti-cancer therapy: A 10 year population-based study	No stratification by age
Lung	He et al.,2019	Prognostic nomogram predicts overall survival in pulmonary large cell neuroendocrine carcinoma	Wrong topic
Lung	Heilbroner et al.,2019	Impact of estrogen monotherapy on survival in women with stage III-IV non-small cell lung cancer	No stratification by age
Lung	Hong et al.,2019	Increasing PET use in small cell lung cancer: Survival improvement and stage migration in the VA central cancer registry	No stratification by age
Lung	Klugman et al.,2019	Race/ethnicity and lung cancer survival in the United States: a meta-analysis	Wrong design
Lung	Lee et al.,2019	Are heart doses associated with survival in patients with non-small cell lung cancer who received post-operative thoracic radiotherapy? A national population-based study	No stratification by age
Lung	Li et al.,2019	Poor survival of non-small-cell lung cancer patients with main bronchus tumor: a large population-based study	No response from authors
Lung	Liao et al.,2019	A nomogram for the prediction of overall survival in patients with stage II and III non-small cell lung cancer using a population-based study	Wrong topic

Cancer site	First author, date	Title	Reason for exclusion
Lung	Liu et al.,2019	Cause-specific death assessment of patients with stage i small-cell lung cancer: A competing risk analysis	Wrong topic
Lung	Lofling et al.,2019	Clinical characteristics and survival in non-small cell lung cancer patients by smoking history: a population-based cohort study	No stratification by age
Lung	Moore et al.,2019	Survival Implications of de Novo Versus Recurrent Metastatic Non-Small Cell Lung Cancer	No response from authors
Lung	Nelson et al.,2019	Persistent opioid use is associated with worse survival after lobectomy for stage i non-small cell lung cancer	No stratification by age
Lung	Ostheimer et al.,2019	Mortality after radiotherapy or surgery in the treatment of early stage non-small-cell lung cancer: a population-based study on recent developments	No stratification by age
Lung	Radkiewicz et al.,2019	Sex and survival in non-small cell lung cancer: A nationwide cohort study	No stratification by age
Lung	Schillemans et al.,2019	Association between surgical volume and post-operative mortality and survival after surgical resection in lung cancer in Belgium: A population-based study	No stratification by age
Lung	Shah et al.,2019	Survival associated with chronic obstructive pulmonary disease among SEER-medicare beneficiaries with non-small-cell lung cancer	No stratification by age
Lung	Shaoet al.,2019	Chemotherapy treatments, costs of care, and survival for patients diagnosed with small cell lung cancer: A SEER-Medicare study	No stratification by age
Lung	Smeltzer et al.,2019	Survival Before and After Direct Surgical Quality Feedback in a Population-Based Lung Cancer Cohort	No stratification by age
Lung	Solberg et al.,2019	Increase in curative treatment and survival of lung cancer in Norway 2001-2016	No stratification by age
Lung	Song et al.,2019	Impact of the homogeneous and heterogeneous risk factors on the incidence and survival outcome of bone metastasis in NSCLC patients	No individual factor investigated
Lung	Souza et al.,2019	Lung cancer mortality trends in different urban settings in Brazil, 2000-2015	No stratification by age

Cancer site	First author, date	Title	Reason for exclusion
Lung	Sun et al.,2019	Effects of primary tumor resection on the survival of patients with stage IV extrathoracic metastatic non-small cell lung cancer: A population-based study	No stratification by age
Lung	Tran et al.,2019	Reintervention and Survival After Limited Lung Resection for Lung Cancer Treatment in Australia	No stratification by age
Lung	Vyfhuis et al.,2019	Patterns of Care and Survival in Stage III NSCLC Among Black and Latino Patients Compared With White Patients	Not population-based study
Lung	Wang et al.,2019	Survival nomogram for patients with initially diagnosed metastatic non-small-cell lung cancer: A SEER-based study	Wrong topic
Lung	Yan et al.,2019	Stereotactic body radiation therapy with higher biologically effective dose is associated with improved survival in stage II non-small cell lung cancer	Not population-based study
Lung	Zheng et al.,2019	Nomograms to Predict Survival in Patients with Lung Squamous Cell Cancer: A Population-Based Study	Wrong topic
Other cancer site	Wang et al.,2019	Metastatic pattern discriminates survival benefit of primary surgery for de novo stage IV breast cancer: A real-world observational study	Wrong cancer sites
	Ahl et al.,2019	The Relationship Between Severe Complications, Beta-Blocker Therapy and Long-Term Survival Following Emergency Surgery for Colon Cancer	No stratification by age
	Hallowell et al.,2019	Cancer mortality rates among US and foreign-born individuals: United States 2005-2014	No survival or mortality data
	Merie et al.,2019	Radiotherapy underutilisation and its impact on local control and survival in New South Wales, Australia	No survival or mortality data
Both sites	Forjaz et al.,2020	Measuring progress against cancer in the Azores, Portugal: Incidence, survival, and mortality trends and projections to 2025.	No stratification by age
Both sites	Grundmann et al.,2020	Trends in cancer incidence and survival in the Augsburg study region-results from the Augsburg cancer registry	No stratification by age
Both sites	Lam et al.,2020	Medicaid Expansion and Mortality Among Patients With Breast, Lung, and Colorectal Cancer	No stratification by age

Cancer site	First author, date	Title	Reason for exclusion
Both sites	Okawa et al.,2020	Hospital volume and postoperative 5-year survival for five different cancer sites: A population-based study in Japan	No stratification by age
Colon/Colorectum	Luque-Fernandez et al.,2020	Socioeconomic Inequalities in Colorectal Cancer Survival in Southern Spain: A Multilevel Population-Based Cohort Study	Wrong cancer sites
Colon/Colorectum	Aguiar Junior .et al.,2020	Survival of patients with colorectal cancer in a cancer center	Not population-based study
Colon/Colorectum	Akhtar-Danesh N. et al.,2020	Uptake of minimally invasive surgery for early stage colorectal cancer and its effect on survival: A population-based study: MIS for Colorectal Cancer	No stratification by age
Colon/Colorectum	Alabdalyet al.,2020	Colorectal cancer in Nineveh: Five years survival rate	No individual factor investigated
Colon/Colorectum	Alwers et al.,2020	Microsatellite instability and survival after adjuvant chemotherapy among stage II and III colon cancer patients: results from a population-based study	No stratification by age
Colon/Colorectum	Azzam et al.,2020	Predictors of Survival Among Colorectal Cancer Patients in a Low Incidence Area	Not population-based study
Colon/Colorectum	Bingmer et al.,2020	Primary tumor location impacts survival in colorectal cancer patients after resection of liver metastases	No individual factor investigated
Colon/Colorectum	Blackmore et al.,2020	The characteristics and outcomes of patients with colorectal cancer in New Zealand, analysed by Cancer Network	Wrong cancer sites
Colon/Colorectum	Boakye et al.,2020	Magnitude of the age-advancement effect of comorbidities in colorectal cancer prognosis	No stratification by age
Colon/Colorectum	Bouteret al.,2020	It's contrary, Comorbidity does not affect survival of South Africans with colorectal cancer: An analysis from the Colorectal Cancer in South Africa cohort	No stratification by age
Colon/Colorectum	Breugomet al.,2020	Treatment strategies and overall survival for incurable metastatic colorectal cancer - A EURECCA international comparison including 21,196 patients from the Netherlands and Norway	No individual factor investigated
Colon/Colorectum	Brown et al.,2020	The Association of Abdominal Adiposity With Mortality in Patients With Stage I-III Colorectal Cancer	No stratification by age

Cancer site	First author, date	Title	Reason for exclusion
Colon/Colorectum	Cai et al.,2020	Association of age and cause-special mortality in patients with stage I/II colon cancer: A population-based competing risk analysis	No individual factor investigated
Colon/Colorectum	Chow et al.,2020	Nonadherence to Standard of Care for Locally Advanced Colon Cancer as a Contributory Factor for High Mortality Rates in Kentucky	No stratification by age
Colon/Colorectum	Degett et al.,2020	Nationwide cohort study of the impact of education, income and social isolation on survival after acute colorectal cancer surgery	No individual factor investigated
Colon/Colorectum	Elshenawy et al.,2020	Survival benefit of surgical resection after first-line triplet chemotherapy and bevacizumab in patients with initially unresectable metastatic colorectal cancer	Not population-based study
Colon/Colorectum	Enofe et al.,2020	Receipt of Adjuvant Chemotherapy in Stage II Colon Cancer and Overall Survival: A National Cancer Database Study	No individual factor investigated
Colon/Colorectum	Feng et al.,2020	Increasing age-related survival gap among patients with colorectal cancer: a population-based retrospective study	No individual factor investigated
Colon/Colorectum	Feng et al.,2020	Marital status and survival of patients with colorectal signet ring cell carcinoma: a population-based study	No stratification by age
Colon/Colorectum	Finke et al.,2020	Educational inequalities and regional variation in colorectal cancer survival in Finland.	No stratification by age
Colon/Colorectum	Frankenfeld et al.,2020	Racial disparities in colorectal cancer time-to-treatment and survival time in relation to diagnosing hospital cancer-related diagnostic and treatment capabilities	No stratification by age
Colon/Colorectum	Freeman et al.,2020	Spatial access to primary care providers and colorectal cancer-specific survival in Cook County, Illinois	No stratification by age
Colon/Colorectum	Giorli et al.,2020	Prediagnostic use of low-dose aspirin and risk of incident metastasis and all-cause mortality among patients with colorectal cancer	No stratification by age
Colon/Colorectum	Gleason et al.,2020	Early Elective Surgery After Colon Cancer Diagnosis has Higher Risk of Readmission and Death.	No individual factor investigated



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Colon/Colorectum	Han et al.,2020	Nomogram to predict the risk and survival of synchronous bone metastasis in colorectal cancer: a population-based real-world analysis	Wrong topic
Colon/Colorectum	Hineset al.,2020	Surveillance Colonoscopy in Older Stage i Colon Cancer Patients and the Association with Colon Cancer-Specific Mortality	No stratification by age
Colon/Colorectum	Huang et al.,2020	Postdiagnostic metformin use and survival of patients with colorectal cancer: A Nationwide cohort study	No stratification by age
Colon/Colorectum	Jansen et al.,2020	Area-Based Socioeconomic Inequalities in Colorectal Cancer Survival in Germany: Investigation Based on Population-Based Clinical Cancer Registration	Wrong cancer sites
Colon/Colorectum	Kumari et al.,2020	Resection of colorectal cancer liver metastases in older patients	Not population-based study
Colon/Colorectum	Leonget al.,2020	Survival rates and associated factors of colorectal cancer patients in Brunei Darussalam	No individual factor investigated
Colon/Colorectum	Luque-Fernandez et al.,2020	Multimorbidity and short-term overall mortality among colorectal cancer patients in Spain: A population-based cohort study	No stratification by age
Colon/Colorectum	Macek et al.,2020	Changes in survival of colorectal cancer patients in ≈öwifôtokrzyskie province (Southern Poland) from the second half of the 1990s to the early 21st century ,Äi a population-based study	No individual factor investigated
Colon/Colorectum	Micu et al.,2020	Evaluation of prognostic factors for 5 year-survival after surgery for colorectal cancer	No response from authors
Colon/Colorectum	Niemel√sinen.et al.,2020	Risk factors of short-term survival in the aged in elective colon cancer surgery: a population-based study	Wrong age categories
Colon/Colorectum	Niemelainen et al.,2020	Long-term survival following elective colon cancer surgery in the aged. A population-based cohort study	Wrong age categories
Colon/Colorectum	Noepel-Duennebacke et al., 2020	High microsatellite instability (MSI-H) is associated with distinct clinical and molecular characteristics and an improved survival in early Colon cancer (CC)	Wrong design
Colon/Colorectum	Oh et al.,2020	Changes in Colorectal Cancer 5-Year Survival Disparities in California, 1997-2014	No individual factor investigated

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Colon/Colorectum	Paszat et al.,2020	Morbidity and mortality following major large bowel resection for colorectal cancer detected by a population-based screening program	Wrong cancer sites
Colon/Colorectum	Pesola et al.,2020	Family history of colorectal cancer and survival: a Swedish population-based study	No stratification by age
Colon/Colorectum	Qiang et al.,2020	Impact of diabetes on colorectal cancer stage and mortality risk: a population-based cohort study	No stratification by age
Colon/Colorectum	Rogers et al.,2020	Rural, Åiurban disparities in colorectal cancer survival and risk among men in Utah: a statewide population-based study	No stratification by age
Colon/Colorectum	Saraste et al.,2020	Population-based analysis of outcomes with early-age colorectal cancer	Wrong cancer sites
Colon/Colorectum	Scherman et al.,2020	Influence of primary tumour and patient factors on survival in patients undergoing curative resection and treatment for liver metastases from colorectal cancer	No individual factor investigated
Colon/Colorectum	Scherman et al.,2020	Impact of patient, primary tumor and metastatic pattern including tumor location on survival in patients undergoing ablation or resection for colorectal liver metastases: A population-based national cohort study.	No individual factor investigated
Colon/Colorectum	Shirdel et al.,2020	Body composition measured by computed tomography is associated with colorectal cancer survival, also in early-stage disease	No individual factor investigated
Colon/Colorectum	Sjostrom et al.,2020	Travel time to care does not affect survival for patients with colorectal cancer in northern Sweden: A data linkage study from the Risk North database	No stratification by age
Colon/Colorectum	Taylor et al.,2020	Association Between Inflammatory Bowel Disease and Colorectal Cancer Stage of Disease and Survival	No stratification by age
Colon/Colorectum	Thiessen et al.,2020	An Examination of Lymph Node Sampling as a Predictor of Survival in Resected Node-Negative Small Bowel Adenocarcinoma: a SEER Database Analysis	Wrong cancer sites

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Colon/Colorectum	Wang et al.,2020	Metastatic patterns and survival outcomes in patients with stage IV colon cancer: A population-based analysis	No individual factor investigated
Colon/Colorectum	Wang et al.,2020	Insurance status is related to overall survival in patients with small intestine adenocarcinoma: A population-based study	Wrong cancer sites
Colon/Colorectum	Wieszczy et al.,2020	Colorectal Cancer Incidence and Mortality After Removal of Adenomas During Screening Colonoscopies	Wrong topic
Colon/Colorectum	Xiao et al.,2020	Association of Low Muscle Mass and Low Muscle Radiodensity With Morbidity and Mortality for Colon Cancer Surgery	No stratification by age
Colon/Colorectum	Xiaochuan et al.,2020	Clinical characteristics and prognosis of pulmonary large cell carcinoma: A population-based retrospective study using SEER data	No stratification by age
Colon/Colorectum	Yang et al.,2020	The association between the composite quality measure "textbook outcome" and long term survival in operated colon cancer	No individual factor investigated
Colon/Colorectum	Yang et al.,2020	Clinicopathological characteristics and survival in colorectal signet ring cell carcinoma: a population-based study	No individual factor investigated
Colon/Colorectum	Yang et al.,2020	Increased blood lipid level is associated with cancer-specific mortality and all-cause mortality in patients with colorectal cancer (>65 years): A population-based prospective cohort study	No survival or mortality data
Colon/Colorectum	Yezefski et al.,2020	Comparison of Treatment, Cost, and Survival in Patients With Metastatic Colorectal Cancer in Western Washington, United States, and British Columbia, Canada	No stratification by age
Lung	Ayeet al.,2020	Factors associated with overall survival in a population-based cohort of non- squamous NSCLC patients from northern New Zealand: A comparative analysis by EGFR mutation status	No individual factor investigated
Lung	Barquin et al.,2020	Sex is a strong prognostic factor in stage IV non-small-cell lung cancer patients and should be considered in survival rate estimation	Not population-based study
Lung	Breitlinget al.,2020	Recent Survival Trends in High-Grade Neuroendocrine Neoplasms and Lung Cancer	No response from authors

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Lung	Chen et al.,2020	Marital status independently predicts non-small cell lung cancer survival: a propensity-adjusted SEER database analysis	No stratification by age
Lung	Christensen et al.,2020	Comorbidity and early death in Danish stage I lung cancer patients - an individualised approach	No survival or mortality data
Lung	Danh Pham et al.,2020	NSCLC patient "migration" for treatment: A retrospective analysis of patient characteristics, travel patterns, and survival differences	Not population-based study
Lung	Danila et al.,2020	A cohort study of exposure to antihyperglycemic therapy and survival in patients with lung cancer	No stratification by age
Lung	de Ruiter et al.,2020	Centralization of lung cancer surgery in the Netherlands: differences in care and survival of patients with stage I non-small cell lung cancer between hospitals with and without in-house lung cancer surgery	No stratification by age
Lung	Hao et al.,2020	Survival Following Segmentectomy or Lobectomy in Patients With Stage IB Non-small-cell Lung Cancer	No stratification by age
Lung	He et al.,2020	Survival, Chemotherapy Treatments, and Health Care Utilization Among Patients with Advanced Small Cell Lung Cancer: An Observational Study	No stratification by age
Lung	Lee et al.,2020	State-Level Disparity in Lung Cancer Survival in the United States	No stratification by age
Lung	Lin et al.,2020	Epidemiology and survival outcomes of lung cancer: A population-based study	No stratification by age
Lung	Mar et al.,2020	Changes in lung cancer survival by TNM stage in the Basque country from 2003 to 2014 according to period of diagnosis	Not population-based study
Lung	Marushima et al.,2020	Survival outcomes of adjuvant chemotherapy with modified weekly nab-paclitaxel and carboplatin for completely resected nonsmall cell lung cancer: FAST-nab	Not population-based study
Lung	Sachs et al.,2020	Household disposable income and long-term survival after pulmonary resections for lung cancer	No stratification by age

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Lung	Schmid et al.,2020	Does progress achieved in the treatment of patients with metastatic non-small-cell lung cancer reach the elderly population? A cohort study from a cancer centre from Eastern Switzerland	No individual factor investigated
Lung	Shah et al.,2020	Socioeconomic disparity trends in diagnostic imaging, treatments, and survival for nonsmall cell lung cancer: 2007-2016	No stratification by age
Lung	Shang et al.,2020	A Novel Nomogram including AJCC Stages Could Better Predict Survival for NSCLC Patients Who Underwent Surgery: A Large Population-Based Study	Wrong topic
Lung	Shang et al.,2020	Radiotherapy may improve survival of ES-SCLC with distant metastasis only for patients with one metastatic site: A population-based study	No stratification by age
Lung	Steindl et al.,2020	Neurological symptom burden impacts survival prognosis in patients with newly diagnosed non-small cell lung cancer brain metastases	No stratification by age
Lung	Svaton et al.,2020	Thyroid transcription factor 1 and p63 expression is associated with survival outcome in patients with non-small cell lung cancer treated with erlotinib	No individual factor investigated
Lung	Udumyan et al.,2020	Beta-Blocker Use and Lung Cancer Mortality in a Nationwide Cohort Study of Patients with Primary Non-Small Cell Lung Cancer	No stratification by age
Lung	Williams et al.,2020	Racial differences in treatment and survival among veterans and non-veterans with stage I NSCLC: An evaluation of veterans affairs and Seer-medicare populations	No stratification by age
Lung	Yoo et al.,2020	Conditional relative survival and competing mortality in patients who underwent surgery for lung cancer: A nationwide cohort study	No individual factor investigated
Lung	Youn et al.,2020	Real-world use and survival outcomes of immune checkpoint inhibitors in older adults with non-small cell lung cancer	No stratification by age

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	Afshar et al.,2020	Differences in cancer survival by area-level socio-economic disadvantage: A population-based study using cancer registry data	No stratification by age
	Afshar et al.,2020	Differences in cancer survival by remoteness of residence: an analysis of data from a population-based cancer registry	No stratification by age
Colon/Colorectum	Li et al.,2020	Nomograms predicting overall survival and cancerspecific survival for synchronous colorectal liver-limited metastasis	Wrong topic