Changes in esophageal cancer survival: a global review of survival analysis from cancer registration data over past three decades

Supplementary materials:

Supplementary Table S1 PRISMA checklist

Section and Topic	Item #	Checklist item	Location where item is reported
TITLE			
Title	1	Identify the report as a systematic review.	Page 1
ABSTRACT			
Abstract	2	See the PRISMA 2020 for Abstracts checklist.	Page 3
INTRODUCTIO	ON		
Rationale	3 Describe the rationale for the review in the context of existing knowledge.		Page 3-4
Objectives	4	Provide an explicit statement of the objective(s) or question(s) the review addresses.	Page 4
METHODS			
Eligibility criteria	5	Specify the inclusion and exclusion criteria for the review and how studies were grouped for the syntheses.	Page 4
Information sources	6	Specify all databases, registers, websites, organisations, reference lists and other sources searched or consulted to identify studies. Specify the date when each source was last searched or consulted.	Page 3
Search strategy	7	Present the full search strategies for all databases, registers and websites, including any filters and limits used.	Page 4
Selection	8	Specify the methods used to decide whether a study met the inclusion criteria of the review, including how many reviewers screened each record and each report retrieved, whether they worked independently, and if	Page 4

Section and Topic	Item #	Checklist item	Location where item is reported
process		applicable, details of automation tools used in the process.	
Data collection process	9	Specify the methods used to collect data from reports, including how many reviewers collected data from each report, whether they worked independently, any processes for obtaining or confirming data from study investigators, and if applicable, details of automation tools used in the process.	Page 4
Data items	List and define all outcomes for which data were sought. Specify whether all results that were compatible with each outcome domain in each study were sought (e.g. for all measures, time points, analyses), and if not, the methods used to decide which results to collect.		Page 5
	10b	List and define all other variables for which data were sought (e.g. participant and intervention characteristics, funding sources). Describe any assumptions made about any missing or unclear information.	Page 5
Study risk of bias assessment	11	Specify the methods used to assess risk of bias in the included studies, including details of the tool(s) used, how many reviewers assessed each study and whether they worked independently, and if applicable, details of automation tools used in the process.	Not applicable
Effect measures	12	Specify for each outcome the effect measure(s) (e.g. risk ratio, mean difference) used in the synthesis or presentation of results.	Not applicable
Synthesis methods	13a	Describe the processes used to decide which studies were eligible for each synthesis (e.g. tabulating the study intervention characteristics and comparing against the planned groups for each synthesis (item #5)).	Not applicable
	13b	Describe any methods required to prepare the data for presentation or synthesis, such as handling of missing summary statistics, or data conversions.	Not applicable
	13c	Describe any methods used to tabulate or visually display results of individual studies and syntheses.	Not applicable
	13d	Describe any methods used to synthesize results and provide a rationale for the choice(s). If meta-analysis	Not applicable

Section and Topic	Item #	Checklist item	Location where item is reported
		was performed, describe the model(s), method(s) to identify the presence and extent of statistical heterogeneity, and software package(s) used.	
	13e	Describe any methods used to explore possible causes of heterogeneity among study results (e.g. subgroup analysis, meta-regression).	Page 5
	13f	Describe any sensitivity analyses conducted to assess robustness of the synthesized results.	Not applicable
Reporting bias assessment	14	Describe any methods used to assess risk of bias due to missing results in a synthesis (arising from reporting biases).	Not applicable
Certainty assessment	15	Describe any methods used to assess certainty (or confidence) in the body of evidence for an outcome.	Not applicable
RESULTS			
Study selection	16a	Describe the results of the search and selection process, from the number of records identified in the search to the number of studies included in the review, ideally using a flow diagram.	Page 4
	16b	Cite studies that might appear to meet the inclusion criteria, but which were excluded, and explain why they were excluded.	Supplementary materials: Table A.11
Study characteristics	17	Cite each included study and present its characteristics.	Supplementary materials: Table A.10
Risk of bias in studies	18	Present assessments of risk of bias for each included study.	Not applicable
Results of individual	19	For all outcomes, present, for each study: (a) summary statistics for each group (where appropriate) and (b) an effect estimate and its precision (e.g. confidence/credible interval), ideally using structured tables or	Table 1-3

Section and Topic	Item #	Checklist item	Location where item is reported
studies		plots.	
Results of	20a	For each synthesis, briefly summarise the characteristics and risk of bias among contributing studies.	Not applicable
syntheses	20b	Present results of all statistical syntheses conducted. If meta-analysis was done, present for each the summary estimate and its precision (e.g. confidence/credible interval) and measures of statistical heterogeneity. If comparing groups, describe the direction of the effect.	Not applicable
	20c	Present results of all investigations of possible causes of heterogeneity among study results.	Table 2-3, Supplementary file: Table A.2-7
	20d	Present results of all sensitivity analyses conducted to assess the robustness of the synthesized results.	Not applicable
Reporting biases	21	Present assessments of risk of bias due to missing results (arising from reporting biases) for each synthesis assessed.	Not applicable
Certainty of evidence	22	Present assessments of certainty (or confidence) in the body of evidence for each outcome assessed.	Not applicable
DISCUSSION			
Discussion	23a	Provide a general interpretation of the results in the context of other evidence.	Page 5-10
	23b	Discuss any limitations of the evidence included in the review.	Page 12
	23c	Discuss any limitations of the review processes used.	Page 12
	23d	Discuss implications of the results for practice, policy, and future research.	Page 10-12

Section and Topic	Item #	Checklist item	Location where item is reported				
OTHER INFOR	OTHER INFORMATION						
Registration and protocol			None				
	24b Indicate where the review protocol can be accessed, or state that a protocol was not prepared.		None				
	24c	Describe and explain any amendments to information provided at registration or in the protocol.	None				
Support	25	Describe sources of financial or non-financial support for the review, and the role of the funders or sponsors in the review.	Page 12				
Competing interests	26	Declare any competing interests of review authors.	Page 12				
Availability of data, code and other materials	27	Report which of the following are publicly available and where they can be found: template data collection forms; data extracted from included studies; data used for all analyses; analytic code; any other materials used in the review.	Page 12				

Supplementary Table S2 Search strategy

Databases	Search terms				
PubMed	(("Esophageal Neoplasms"[MeSH Terms]) OR ("Oesophageal Neoplasms"[MeSH Terms]) OR ("Esophageal				
	Neoplasm"[Title/Abstract]) OR ("Oesophageal Neoplasm"[Title/Abstract]) OR ("Esophageal				
	Cancers"[Title/Abstract]) OR ("Oesophageal Cancers"[Title/Abstract]) OR ("Esophageal Cancer"[Title/Abstract])				
	OR ("Oesophageal Cancer"[Title/Abstract]) OR ("Esophageal Carcinomas"[Title/Abstract]) OR ("Oesophageal				
	Carcinomas"[Title/Abstract]) OR ("Esophageal Carcinoma"[Title/Abstract]) OR ("Oesophageal				
	Carcinoma"[Title/Abstract])) AND (("Survival Rate"[MeSH Terms]) OR ("Survival Rates"[Title/Abstract])) AND				
	(("cancer registry"[Title/Abstract]) OR ("cancer registries"[Title/Abstract]) OR				
	("population-based"[Title/Abstract]) OR ("population based"[Title/Abstract]))				
Embase	('esophageal cancer'/exp OR 'oesophageal cancer'/exp OR 'esophageal neoplasms':ab,ti OR 'oesophageal				
	neoplasms':ab,ti OR 'esophageal neoplasm':ab,ti OR 'oesophageal neoplasm':ab,ti OR 'esophageal cancers':ab,ti OR				
	'oesophageal cancers':ab,ti OR 'esophageal carcinoma':ab,ti OR 'oesophageal carcinoma':ab,ti OR 'esophageal				
	carcinomas':ab,ti OR 'oesophageal carcinomas':ab,ti)				
	AND ('survival rate'/exp OR 'survival rates':ab,ti) AND ('cancer registry':ab,ti OR 'cancer registries':ab,ti OR				
	'population-based':ab,ti OR 'population based':ab,ti)				
Web of science	(TS=("Esophageal Neoplasms") OR TS=("Oesophageal Neoplasms") OR TS=("Esophageal Neoplasm") OR				
	TS=("Oesophageal Neoplasm") OR TS=("Esophageal Cancers") OR TS=("Oesophageal Cancers") OR				
	TS=("Esophageal Cancer") OR TS=("Oesophageal Cancer") OR TS=("Esophageal Carcinomas") OR				
	TS=("Oesophageal Carcinomas") OR TS=("Esophageal Carcinoma") OR TS=("Oesophageal Carcinoma")) AND				
	TS=("survival rate") AND (TS=("cancer registry") OR TS=("population-based"))				
SinoMed	"esophageal Cancer" [Mesh/Title/Abstract: smart] AND "survival rate" [Mesh/Title/Abstract: smart] AND ("cancer				
	registry" [Mesh/Title/Abstract: smart] OR "population-based" [Mesh/Title/Abstract: smart]) [in Chinese]				
	Chinese version: "食管癌"[常用字段:智能] AND "生存率"[常用字段:智能] AND ("肿瘤登记"[常用字段:智能]				
	OR "人群"[常用字段:智能])				

Supplementary Table S3 Overall and age-standardized 1- and 5-year relative/net survival rates (%) of esophageal cancer in selected countries and regions

Continue	C	Destru		D. J. J.	Ovei	all:	Age-standa rdized	
Continent	Country	Region		Period	1-year	5-ye ar	1-ye ar	5-ye ar
Africa								
	Algeria ^[1]			2005-2009	-	55.4	-	-
				2010-2014	-	-	-	37.3
	Mauritius ^{[1}			2010 2014		20.1		
]			2010-2014	-	28.1	-	-
	South			2000-2004	_	12.1		
	Africa ^[1]			2000-2004	-	12.1	-	-
				2005-2009	-	-	-	19.2
				2010-2014	-	-	-	18.0
Asia								
East	China			2000-2004 [1]	-	-	-	22.9
				2003-2005 [2]	-	-	-	20.9
				2005-2009 [1]	-	-	-	27.1
				2010-2014 [1]	-	-	-	29.7
				2015-2017 [1]	-	-	-	33.4
		Jiangsu	Qidong ^[4]	1992-1996	17.2	5.4	18.0	5.3
				1997-2001	23.7	7.6	24.4	7.9
				2002-2006	26.7	10.5	28.0	10.5
				2007-2011	35.1	15.2	37.5	16.7
				2012-2016	45.0	17.9	49.9	20.5
			Huai'an ^[5]	2010	72.0	26.8	-	-
			Jiangyin ^[6]	2012-2013	-	42.0	-	-
		Shanghai	Nanhui ^[7]	2002-2004	18.7	10.2	-	-
			Pudong ^[8]	2002-2006	26.5	18.2	-	-
		Guangdong	Zhongshan ^{[9}	2010-2013	-	-	-	11.7
			Guangzhou [10]	2007-2009	-	15.5	-	-
		Hebei	Cixian ^[11]	2000-2002	42.0	21.7	-	-
		Henan	Linzhou ^[12]	1990-1994	-	28.2	-	-
				1995-1999	-	35.2	-	-
				2000-2004	-	40.8	-	-
		Zhejiang	Haining and Jiashan ^[13]	2003-2006	-	15.7	-	17.3
				2007-2010	_	15.4	-	18.5
				2011-2014	_	18.1	-	18.5
		Fujian ^[14]		2012-2014	-	20.5	-	19.0
			Dalian ^[15]	2015	_	_	42.5	11.9

		Taiwan ^[1]	2000-2004	-	-	-	13.0
			2005-2009	-	-	-	13.2
			2010-2014	-	-	-	15.5
	South Korea		1993-1995 [16]	-	12.8	-	-
	Korca		1996-2000 [16]	-	15.4	_	_
			2000-2004 [1]	_	_	-	18.6
			2001-2005 [16]	_	21.1	-	
			2005-2009 [1]	-	-	-	26.9
			2006-2008 [16]	55.4	28.5	-	
			2009-2013 [16]	60.6	33.4	-	
			2010-2014 [1]	-	-	-	31.3
			2013-2017 [17]	-	38.0	-	
	Japan ^[1]		2000-2004	-	-	-	27.7
			2005-2009	-	-	-	33.3
			2010-2014	-	-	-	36.0
South	India ^[1]		2000-2004	-	2.9	-	
			2005-2009	-	-	-	3.4
			2010-2014	-	-	-	4.
		Mumbai ^[18]	1992-1994	34.0	11.8	-	11.0
Southeast	Malaysia	Penang ^[1]	2005-2009	-	-	-	13.2
			2010-2014	-	13.7	-	
	Singapore [[]		2000-2004	-	-	-	9.0
			2005-2009	-	-	-	10.5
			2010-2014	-	-	-	14.8
	Thailand ^[1]		2000-2004	-	-	-	8.8
			2005-2009	-	-	-	7.3
			2010-2014	-	-	-	7.
West	Iran ^[1]		2005-2009	-	-	-	7.4
		Ardabil ^[19]	2004	-	-	17.0	
	Turkey ^[1]		2000-2004	-	-	-	14.8
			2005-2009	-	-	-	14.7
			2010-2014	-	-	-	19.0
	Cyprus ^[1]		2005-2009	-	47.2	-	
			2010-2014	-	39.0	-	
	Israel ^[1]		2000-2004	-	-	-	17.9
			2005-2009	-	-	-	22.4
			2010-2014	-	-	-	25.
	Jordan ^[1]		2000-2004	-	-	-	52.0
			2005-2009	-	-	-	53.
			2010-2014	-	-	-	41.
	Kuwait ^[1]		2000-2004	-	17.6	-	
			2005-2009	_	9.5	_	

			2010-2014	-	25.4	-	-
	Qatar ^[1]		2000-2004	-	36.1	-	-
			2005-2009	-	33.4	-	-
			2010-2014	-	42.2	-	-
America							
North	Canada		1995-1999[20]	-	-	38.4	13.5
			2000 2004			39.7	14.5
			2000-2004	-	-	[20]	[1]
			$2004-2006^{[21]}$	-	13.0	-	-
			2005 2000			40.7	14.7
			2005-2009	-	-	[20]	[1]
			2010 2014			43.5	16.1
			2010-2014	-	-	[20]	[1]
		British Columbia	2004 ^[19]	-	-	33.0	-
			1995-1999[20]	-	-	37.3	12.1
			$2000-2004^{[20]}$	-	-	37.6	13.2
			$2005-2009^{[20]}$	-	-	42.3	16.2
			$2010 - 2014^{[20]}$	-	-	46.5	19.1
		Alberta ^[20]	1995-1999	-	-	36.0	10.9
			2000-2004	-	-	36.7	13.4
			2005-2009	-	-	37.7	11.4
			2010-2014	-	-	41.1	16.6
		Manitoba ^[20]	1995-1999	-	-	38.9	12.9
			2000-2004	-	-	33.8	8.9
			2005-2009	-	-	39.2	9.5
			2010-2014	-	-	37.5	14.4
		New Brunswick ^[20]	1995-1999	-	-	32.8	9.7
			2000-2004	-	-	39.3	12.5
			2005-2009	-	-	38.6	12.5
			2010-2014	-	-	46.7	15.0
		Nova Scotia ^[20]	1995-1999	-	-	36.7	10.9
			2000-2004	-	-	30.5	8.7
			2005-2009	-	-	40.3	13.6
			2010-2014	-	-	41.5	13.7
		Ontario [20]	1995-1999	-	-	40.6	15.3
			2000-2004	_	_	43.0	16.2
			2005-2009	_	_	41.8	16.2
			2010-2014	-	-	44.3	16.5
		Prince Edward Isl. ^[20]	1995-1999	-	-	27.0	3.5
			2000-2004	_	_	30.1	16.9

			2005-2009	_	_	29.6	10.0
			2010-2014	_	_	36.8	19.1
		Saskatchewan [[]	1995-1999	-	-	27.4	8.7
			2000-2004	_	_	32.9	10.5
			2005-2009	-	-	32.7	10.6
			2010-2014	-	-	41.3	10.2
		Burgundy ^[22]	2004-2013	45.0	14.0	-	-
	United States		1975-1977 ^[23]	-	5.0	-	-
	States		1997-2006 ^[24]	-	_	-	17.3
			$2000-2004^{[1]}$	-	-	-	16.5
			2005-2009[1]	-	-	-	18.7
			$2006 - 2008^{[16]}$	55.4	28.5	-	-
			$2009 - 2013^{[16]}$	60.6	33.4	-	-
			$2010 - 2014^{[1]}$	-	-	-	20.0
			2014-2020 ^[25]	-	21.6	-	-
Central	Costa Rica ^[1]		2000-2004	-	-	-	35.7
			2005-2009	-	-	-	19.2
			2010-2014	-	-	-	20.9
South	$Brazil^{[1]}$		2000-2004	-	-	-	10.7
			2005-2009	-	-	-	12.5
			2010-2014	-	-	-	9.7
		S ao Paulo State ^[26]	2000-2018	-	-	26.3	5.6
	Argentina [[]		2000-2004	-	-	-	18.7
			2005-2009	-	-	-	15.0
			2010-2014	-	-	-	16.4
	Chile ^[1]		2000-2004	-	-	-	7.0
			2005-2009	-	-	-	10.8
			2010-2014	-	-	-	8.7
	Colombia ^{[1}		2000-2004	-	-	-	10.7
			2005-2009	-	-	-	9.5
			2010-2014	-	-	-	10.5
	Puerto Rico ^[1]		2000-2004	-	-	-	10.9
			2005-2009	-	-	-	13.0
			2010-2014	-	-	-	20.4
	Uruguay ^[1]		2005-2009	-	-	-	12.0
			2010-2014	-	-	-	8.0
	Guadeloup		2005-2009	-	0.0	-	-

	$e^{[1]}$						
	Martinique		••••				
	[1]		2000-2004	-	4.2	-	-
			2005-2009	-	-	-	4.9
			2010-2014	-	4.0	-	-
	Ecuador ^[1]		2000-2004	-	20.9	-	-
			2005-2009	-	-	-	7.7
			2010-2014	-	-	-	12.7
Oceania	Australia		1995-1999 ^[20]	-	-	42.6	18.3
			2000 2004			43.7	18.0
			2000-2004	-	-	[20]	[1]
			2005 2000			47.5	19.9
			2005-2009	-	-	[20]	[1]
			2010 2014			52.0	23.7
			2010-2014	-	-	[20]	[1]
		Western	1005 1000			40.5	16.2
		Australia ^[20]	1995-1999	-	-	40.3	10.2
			2000-2004	-	-	44.6	14.9
			2005-2009	-	-	51.7	18.3
			2010-2014	-	-	56.7	25.2
		New South	1995-1999	_	_	42.8	19.3
		Wales ^[20]	1993-1999	-	-	42.0	19.3
			2000-2004	-	-	41.6	18.1
			2005-2009	-	-	44.5	17.4
			2010-2014	-	-	46.5	19.1
		Victoria ^[20]	1995-1999	-	-	43.1	17.7
			2000-2004	-	-	46.3	18.6
			2005-2009	-	-	50.0	20.0
			2010-2014	-	-	53.4	26.4
	New		1995-1999 ^[20]	_	_	29.5	13.6
	Zealand		1775-1777			27.5	13.0
			2000-2004	_	_	35.0	11.5
			2000-2004			[20]	[1]
			2005-2009	_		40.1	14.5
			2003-2007	_		[20]	[1]
			2010-2014	_	_	44.1	15.3
			2010 2011			[20]	[1]
Europe							
East	Estonia ^[1]		2000-2004	-	-	-	5.7
			2005-2009	-	-	-	6.0
			2010-2014	-	-	-	5.4
	Lithuania ^{[1}		2000-2004	-	-	-	4.7
			2005-2009	_	_	_	6.2

		2010-2014		_		5.6
	Russia ^[1]	2000-2004	_	_	-	10.9
	Kussia	2005-2009		_	_	8.6
		2010-2014	_	_	_	8.6
	Romania Cluj ^[1]	2005-2009	_	_	_	10.2
	Romania Ciaj	2010-2014	_	0.0	_	10.2
North	Finland	1993-1997 ^[27]	_	9.4	_	_
TVOTUI	1 mana	2000-2004 ^[1]	_	-	_	11.8
		2005-2009 ^[1]	_	_	_	12.8
		2010-2014 ^[1]	_	_	_	12.4
	Norway	1995-1999 ^[20]	_	_	27.9	8.7
	Norway	1773 1777			33.5	9.0
		2000-2004	-	-	[20]	[1]
		2005-2009	-	-	41.0	13.3
		2010-2014	-	-	47.3 [20]	16.5
	Denmark	1995-1999 [20]	-	-	27.1	5.1
		2000-2004	-	-	29.6	8.4
		2005-2009	-	-	33.6 [20]	10.4
		2010-2014	-	-	44.4 [20]	13.7
	Sweden [1]	2000-2004	-	-	-	11.4
		2005-2009	-	-	-	13.1
		2010-2014	-	-	-	14.8
	Iceland [1]	2000-2004	-	13.1	-	-
		2005-2009	-	19.1	-	-
		2010-2014	-	17.7	-	-
West	Netherland s	2000-2004	-	12.0	-	12.1
		2005-2009	-	16.0 [28]	-	16.8
		2010-2014	-	22.0	-	21.0
	Ireland	$1995 - 1999^{[20]}$	-	-	30.8	10.9
		2000-2004	_	_	36.6	12.9
		2005-2009	-	-	[20] 43.5 [20]	[1] 17.2
		2010-2014	-	-	49.9	20.3
	France	1992 ^[29]	_	_	39.0	9.0

			$1996^{[29]}$	-	-	41.0	10.0
			2000-2004	_	_	45.0	13.0
			2000 2001			[29]	[1]
			2005-2009	_	_	_	14.9
			2003 2003				[1]
			2010-2014	_	_	_	12.9
			2010 2011				[1]
	Belgium		2000-2004	_	_	50.0	16.6
	Deigiain		2000-2004	_		[29]	[1
			$2005-2009^{[1]}$	-	-	-	23.2
			$2010-2014^{[1]}$	-	-	-	23.6
	Latvia ^[1]		2000-2004	-	-	-	6.9
			2005-2009	-	-	-	10.8
			2010-2014	-	-	-	6.1
	United		1995-1999 ^[20]			29.8	8.6
	Kingdom		1993-1999(20)	-	-	29.8	8.0
			2000 2004			36.5	11.5
			2000-2004	-	-	[20]	[1
			••••			41.4	14.0
			2005-2009	-	-	[20]	[1
						46.4	15.
			2010-2014	-	-	[20]	[1
		England ^[20]	1995-1999	-	_	29.6	8.2
			2000-2004	-	_	36.4	11.5
			2005-2009	-	_	41.5	14.0
			2010-2014	-	_	46.6	16.5
		Scotland ^[20]	1995-1999	-	_	31.4	9.5
			2000-2004	-	_	37.2	10.1
			2005-2009	_	_	40.3	12.2
			2010-2014	_	_	44.9	13.7
		Northern					
		Ireland ^[20]	1995-1999	-	-	35.2	11.2
			2000-2004	_	_	33.3	12.5
			2005-2009	_	_	41.6	17.3
			2010-2014	_	_	48.5	19.1
		Wales ^[20]	1995-1999	_	_	29.2	11.4
		Wales	2000-2004	_	_	38.0	12.0
			2005-2009	_	_	41.2	12.0
			2010-2014	_	_	46.4	14.9
South	Spain		1992 [29]	-	-	32.0	7.0
Jouill	Spaill		1992 ^[29]	-	-	34.0	8.0
			1370 - 3	-	-		
			2000-2004	-	-	36.0 [29]	8.9
						[-/]	[1

						[1]
						13.0
		2010-2014	-	-	-	[1]
	Italy	1992 ^[29]	_	_	32.0	8.0
	•	1996 ^[29]	_	-	38.0	11.0
		2000 2004			39.0	11.5
		2000-2004	-	-	[29]	[1]
		2005-2009[1]	-	-	-	12.9
		2010-2014 ^[1]	-	-	-	13.8
	Portugal	2000-2004			33.0	10.2
	Portugal	2000-2004	-	-	[29]	[1]
		$2005-2009^{[1]}$	-	-	-	12.5
		$2010-2014^{[1]}$	-	-	-	16.1
	Malta [1]	2000-2004	-	7.8	-	-
		2005-2009	-	6.1	-	-
		2010-2014	-	11.2	-	-
Central	Poland	$2000-2004^{[1]}$	-	-	-	7.2
		$2005-2009^{[1]}$	-	-	-	8.9
		$2010-2014^{[1]}$	-	-	-	9.1
		$2015-2019^{[30]}$	-	-	-	11.4
	Switzerlan d	1996 ^[29]	-	-	42.0	-
		2000 2004			48.0	16.1
		2000-2004	-	-	[29]	[1]
		2005-2009				20.6
		2003-2009	-	-	-	[1]
		2010-2014				23.9
		2010-2014	_			[1]
	Slovakia [1]	2000-2004	-	-	-	5.8
		2005-2009	-	-	-	6.4
		2010-2014	-	-	-	6.4
	Czech	2000-2004	_	8.0	_	7.3
	Republic			[31]		[1]
		$2005-2008^{[31]}$	-	11.5	-	-
		$2005-2009^{[1]}$	-	-	-	9.0
		$2010-2014^{[1]}$	-	-	-	9.8
	Germany	1997-2006 ^[32]	-	23.2	-	18.3
		2000-2004 ^[1]	-	-	-	16.6
		2005-2009 ^[1]	-	-	-	19.7
		2010-2014 ^[1]	-	-	-	20.8
	Saarland ^[33]	1990-1992	-	8.7	-	-
		2000-2002	-	24.3	-	-
	Munich ^[34]	1998-2014	-	24.0	-	-
	East ^[35]	1997-2006	-	-	-	16.3

West ^[35]	1997-2006	-	-	-	19.3
Austria ^[1]	2000-2004	-	-	-	16.2
	2005-2009	-	-	-	16.8
	2010-2014	-	-	-	18.6
Croatia ^[1]	2000-2004	-	-	-	6.8
	2005-2009	-	-	-	9.1
	2010-2014	-	-	-	8.7
Slovenia ^[1]	2000-2004	-	-	-	8.2
	2005-2009	-	-	-	9.3
	2010-2014	-	-	-	8.6

Note. - no figures or reports in original publications

Supplementary Table S4 Age-specific 5-year relative/net survival rates (%) of esophageal cancer in selected countries and regions

Continent	Country	Region	Period	15-44	45-54	55-64	65-74	≥ 75
Asia								
East	China	Jiangsu, Qidong ^[36]	2001-2007	-	19.1	19.4	11.1	12.0
	India	Mumbai ^[18]	1992-1994	-	14.1	6.1	6.9	8.3
America								
North	United States		1997-2006 ^{[24,} 32]	21.5	18.0	18.2	20.2	12.6
			2014-2020 [25]	-	-	-	23.1	16.5
	Canada ^[21]		2004-2006	18.0	16.0	16.0	14.0	10.0
Europe								
West	Netherlands ^[37]		2004-2008	-	-	-	-	8.0
			2009-2013	-	-	-	-	12.0
			2014-2018	-	-	-	-	15.0
Central	Germany ^[24,32]		1997-2006	21.8	19.8	19.7	19.6	14.5

Note. - no figures or reports in original publications

Supplementary Table S5 Age-specific 1- and 5-year relative/net survival rates (%) of esophageal cancer in European countries

		1 0		1						
C	C	D J		1-year			5-year			
Continent	Country	Period	15-54	55-74	75-84	15-54	55-74	75-84		
Europe										
West	France ^[29]	2000-2004	54	48	36	20	15	8		
	Belgium ^[29]	2000-2004	65	53	39	27	23	14		
South	Italy ^[29]	2000-2004	52	43	25	19	13	4		
	Spain ^[29]	2000-2004	39	41	26	11	11	4		
	Portugal ^[29]	2000-2004	37	35	27	11	11	8		
Central	Switzerland ^[29]	2000-2004	54	52	40	25	19	14		

Table A6 Age-specific 1- and 5-year age-standardized relative/net survival rates (%) of esophageal cancer in in selected countries and regions

Continent	Country	Davia d	1-yea	ar	5-year		
Continent	Country	Period -	< 75	≥ 75	< 75	≥ 75	
Oceania							
	Australia ^[20]	1995-1999	47.5	30.6	21.4	10.9	
		2000-2004	48.1	33.1	21.1	9.8	
		2005-2009	52.4	35.8	21.5	11.1	
		2010-2014	56.5	40.7	26.9	14.8	
	New Zealand ^[20]	1995-1999	32.5	22.1	15.6	8.5	
		2000-2004	40.4	21.9	15.0	3.4	
		2005-2009	44.9	28.3	17.8	5.7	
		2010-2014	48.9	32.1	20.9	6.7	
America							
	Canada ^[20]	1995-1999	42.3	28.7	15.4	8.8	
		2000-2004	44.1	28.8	16.5	8.6	
		2005-2009	44.7	30.9	16.9	9.6	
		2010-2014	48.5	31.4	18.4	10.9	
Europe							
North	Denmark ^[20]	1995-1999	29.7	20.6	6.6	1.5	
		2000-2004	33.2	20.8	10.4	4.1	
		2005-2009	38.7	21.2	13.2	3.8	
		2010-2014	49.2	32.8	17.3	8.4	
	Norway ^[20]	1995-1999	30.7	21.0	10.0	5.4	
		2000-2004	37.6	23.4	11.3	3.4	
		2005-2009	46.5	27.6	17.0	3.7	
		2010-2014	53.3	32.2	24.4	6.0	
West	Ireland ^[20]	1995-1999	35.6	18.9	12.9	6.0	
		2000-2004	42.3	22.6	15.7	5.7	
		2005-2009	49.7	28.3	20.8	8.4	
		2010-2014	57.2	32.5	27.0	9.4	
	United Kingdom ^[20]	1995-1999	34.6	18.2	10.7	3.4	
		2000-2004	42.0	23.0	14.2	4.4	
		2005-2009	47.1	27.3	17.1	5.6	
		2010-2014	52.4	31.7	19.6	7.5	

Supplementary Table S7 Pathology-specific overall and age-standardized 5-year relative/net survival rates (%) of esophageal cancer in selected countries and regions

Continent	Country	Region	Period	Squamous cell carcinoma	Adenocarcinoma	Other specified	Unspecific
Asia							
	China ^[1]		2008-2009*	29.9	29.6	26.9	25.4
			2010-2011*	31.8	35.2	30.8	26.9
			2012-2014*	36.7	34.5	28.3	27.8
			2015-2017*	36.9	34.9	28.3	26.7
		Hebei, Cixian ^[11]	2000-2002	23.5	5.6	-	9.7
	South Korea ^[16]		1993-1995	12.1	15.7	14.7	14.7
			1996-2000	15.8	18.7	11.9	1.9
			2001-2005	22.0	19.3	14.4	14.4
			2006-2010	30.9	26.0	11.8	11.8
			2009-2013	34.6	29.6	10.9	10.9
America							
	United States		2008-2009*[1]	13.7	19.5	13.2	12.4
			2010-2011*[1]	17.9	20.7	14.3	11.9
			2012-2014*[1]	17.5	20.9	19.7	4.1
			2015-2017*[1]	18.5	22.3	17.1	7.0
			$2014-2020^{[25]}$	20.5	22.6	-	-
Europe							
North	Sweden ^[38]		1990-1999	10.5	12.5	-	-
			2000-2008	10.3	14.6	-	-
West	France	Calvados ^[39]	1997-2004	13.7	8.4	-	-

	Burgundy ^[22]	2004-2013	19.0	22.0	-	
Netherlands ^[28]		1995-1999*	10.0	11.0	-	-
		2000-2004*	11.0	13.0	-	-
		2005-2009*	15.0	18.0	-	-
		2010-2014*	20.0	23.0	-	

Note. *Age-standardized 5-year relative/net survival rates; - no figures or reports in original publications.

Supplementary Table S8 Stage-specific overall and age-standardized 5-year relative/net survival rates (%) of esophageal cancer in selected countries and regions

Continent	Country	Period	Local	Regional	Distant	Unknown
Asia	South Korea ^[16]	2006-2008	49.5	25.3	7.3	20.1
		2009-2013	58.8	29.2	7.3	20.8
America	United States ^[40]	2006-2012	41.0	23.0	5.0	-
Europe	Germany ^[32]	1997-2006*	44.4	16.7	6.3	17.6

Note. *Age-standardized 5-year relative/net survival rates; - no figures or reports in original publications.

Supplementary Table S9 Sex-specific overall 1-, 3-, and 5-year observed survival rates (%) of esophageal cancer in some areas of China

C 4*4	C	n		n		Male			Female	
Continent	Country	Region		Period	1-year	3-year	5-year	1-year	3-year	5-year
Asia										
East	China ^[2]			2003-2005	52.8	24.7	17.5	56.4	27.3	20.3
		Jiangsu	Qidong ^[4]	1992-1996	-	-	3.8	-	-	4.1
				1997-2001	-	-	5.5	-	-	5.8
				2002-2006	-	-	7.7	-	-	7.6
				2007-2011	-	-	10.7	-	-	11.7
				2012-2016	-	-	13.6	-	-	13.6
			Huai'an ^[5]	2010	57.5	28.3	21.7	58.3	32.5	24.1
			Jiangyin ^[6]	2012-2013	-	-	19.0	-	-	24.0
		Shanghai	Nanhui ^[7]	2002-2004	17.2	7.1	6.6	13.9	12.3	10.8
			Yangpu ^[41]	2002-2012	44.3	21.8	16.8	48.0	23.8	20.4
			Jiading ^[42]	1998-2007	35.2	13.0	7.4	-	-	-
		Guangzhou	Sihui ^[10]	1997-2006	-	-	2.6	-	-	9.8
				2007-2009	-	-	9.0	-	-	29.4
		Hebei	Cixian ^[11]	2000-2002	37.4	21.9	15.1	35.7	28.8	21.9
		Henan	Linzhou ^[12]	1990-1994	-	-	13.7	-	-	15.6
				1995-1999	-	-	18.1	-	-	19.3
				2000-2004	-	-	22.5	-	-	28.0
		Taiwan ^[43]		2008-2014	-	-	16.4	-	-	23.1
		Hubei	Wuhan ^[44]	2006-2011	57.9	38.7	36.5	63.5	47.0	45.2

Note. - no figures or reports in original publications.

Supplementary Table S10 Characteristics of esophageal cancer survival analyses from population-based cancer registries included in the systematic review

Author	Yea	Country	Cancer re	gistry	Study	Coding criteria	Cases, n	Age	DCO	Year at			Age
	r				period			rang	exclude	end of	Calculation	Calculation	standardizatio
								e	d	follow-up	of OSR	of RSR	n method
Allemani et	201	60	290	cancer	2000-201	ICD-O-3		15-9	Yes	2014	Life table		International
al. ^[1]	8	countries	registries i	in	4		734428	9				Pohar-Perme	Cancer Survival
			CONCORI	D-3									Standard, Age
													Group 1
													(ICSS-1)
Zhang et al ^[2]	201	China	17	cancer	2003-200	ICD-10	16019	No	Yes	2010	Life table	Ederer II	ICSS-1
	6		registries		5			limit					
An et al.[1]	202	China	64	cancer	2008-201	ICD-O-3	129962	15-9	Yes	2017	Life table	Ederer II	ICSS-1
	2		registries		5			9					
		United	18-SEER	cancer	2008-201		-	15-9	Yes	2017	Life table	Ederer II	
		States	registries		5			9					
Wang et al.[4]	202	China	Qidong	cancer	1972-201	ICD-10	5112	No	No	2021	Life table	Hakulinen	ICSS-1
	2		registry		6			limit					
Sun et al. ^[5]	201	China	Huai'an	cancer	2010	ICD-10	3018	No	Yes	2015	Life table	Ederer II	-
	7		registry					limit					
Li et al. ^[6]	202	China	Jiangyin o	cancer	2012-201	ICD-O-3	571	No	No	2018	Life table	Ederer II	-
	0		registry		3			limit					
Fu et al. ^[7]	200	China	Nanhui o	cancer	2002-200	ICD-10	263	No	No	2007	Life table	-	-
	9		registry		4			limit			and KM		
Li et al. ^[8]	201	China	Pudong	New	2002-200	-	1608	35-7	No	2012	Life table	Ederer II	-

	3		Area	cancer	6			4			and KM			· /	删除[Ye Zhuojun]:
Wei et al. ^[9]	202	China	registry Zhongsh	an	2003-201	ICD-O-3	3622	0-99	Yes	2014	_	Pohar-Perme	ICSS-1		设置格式[Ye Zhuojun]: 上标
_	0		cancer 1	egistry	3										│ │设置格式[Ye Zhuojun]: 上标
Li et al [10]	201	China	Sihui	cancer	1987-200	ICD-O-3/ICD-10	_	No	No	2014	Life table	_	-		STERROUS Enterplands I I I I
	7		registry		9			limit							删除[Ye Zhuojun]:
He et al [11]	201	China	Cixian	cancer	2000-200	_	2042	No	No	2010	KM	_	_	(│ │设置格式[Ye Zhuojun]: 上标
	1		registry		2			limit							
Ma et al [12]	200	China	Linzhou	cancer	1988-200	ICD-9/ ICD-10	12409	No	Yes	2007	Life table	Ederer II	_	/	删除[Ye Zhuojun]:
	9		registry		4			limit							设置格式[Ye Zhuojun]: 上标
Li et al [13]	202	China	Haining		2013	ICD-O-3/ICD-10	1500	No	Yes	2016	Life table	Ederer II	ICSS-1	/ //	
	0			cancer				limit							删除[Ye Zhuojun]:
5.0			registry												设置格式[Ye Zhuojun]: 上标
Zhou et al.[14]	202	China	8		2012-201	ICD-O-3/ICD-10	31989	No	Yes	2019	Life table	Ederer II	ICSS-1	/ /	
	1		populat		4			limit							删除[Ye Zhuojun]:
			_	stries in											设置格式[Ye Zhuojun]: 上标
			Fujian Provinc											//	notat
Fu et al.[15]	202	China		e Cancer	2015	ICD-O-3/ICD-10	188	No	Yes	2020	Life table	Ederer II	ICSS-1	\	删除[Ye Zhuojun]:
Fu et al	3	Cnina	Registry		2013	ICD-O-3/ICD-10	188	limit	Yes	2020	Life table	Ederer II	1055-1		设置格式[Ye Zhuojun]: 上标
		United	17	cancer	2014		2929		No	2019					│ │删除[Ye Zhuojun]:
		States	registric	es from										\	
			SEER												设置格式[Ye Zhuojun]: 上标
Shin et al [16]	201	Korea	Korea	Central	1993-201	ICD-O-3	34905	No	No	2013	Life table	Ederer II	_		删除[Ye Zhuojun]:
	8		cancer 1	egistry	3			limit							
															设置格式[Ye Zhuojun]: 上标

Hong et al.[17]	202	Korea	Korea	Central	2013-201	ICD-O-3/ICD-10	-	No	No	2018	Life table	Ederer II	_
	0		cancer r	registry	7			limit					
Yeole et al [18]	200	India	Mumbai	cancer	1992-199	_	2018	No	Yes	1996	Life table	Hakulinen	Direct
	4		registry		4			limit					standardization
													(1985 global
													cancer
													incidence,
													Sankaranarayan
													an et al., 1998)
Bashash et	201	Canada	British		2004	ICD-O-3	232	No	No	2005	Life table	-	-
al. ^[19]	1		Columbia	a cancer				limit					
			registry										
		Iran	Ardabil	cancer			124						-
			registry										
Arnold et al. [20]	201	7	19	cancer	1995-201	ICD-10	215492	15-9	Yes	2015	-		ICSS-1
	9	countries	registries	in	4			9				Pohar-Perme	
			SURVM	ARK-2									
Otterstatter et	201	Canada	Canadian	cancer	1986-200	ICD-O-3	4388	15-9	Yes	2016	Life table	Ederer II	-
al [^{21]}	2		registry		6			9					
looste et al. [22]	201	France	Digestive	e cancer	2004-201	ICD-10	723	No	No	2017	_	Pohar-Perme	-
	8		registry	of	3			limit					
			Burgund	y									
Jemal et al [23]	201	United	9-SEER	cancer	2006-201	ICD-O-3	-	0-99	Yes	2013	-	-	_
	7	States	registries		2								
Hiripi et al [24]	201	Germany	11	cancer	1997-200	ICD-O-3/ICD-10	14532	≥15	Yes	2006	Life table	Ederer II	ICSS-1

删除[Ye Zhuojun]:

设置格式[Ye Zhuojun]: 上标

	2		registries	6									
Mafra et al.[26]	202	Brazil	Barretos	2000-201	ICD-10	375	15-9	Yes	2019	-	Pohar-Perme	ICSS-1	IIIII IIIA D./ - フト・・・・・・・・・・・・・・・・・・・・・・・・・・・・・・・・・・・
	3		cancer registry	8			9						删除[Ye Zhuojun]:
Brenner et	200	Finland	Nationwide	1993-199	-	-	≥15	No	2002	-	Hakulinen	-	
al. ^[27]	6		Finnish cancer	7									副於Na Zhuaius]。
			registry										删除[Ye Zhuojun]:
van Putten et	201	Netherlan	Netherlands	1989-201	ICD-O	35670	No	No	2017	KM	Ederer II	-	
al [28]	8	ds	cancer registry	4			limit						删除[Ye Zhuojun]:
Launoy et al [29]	201	6	51 cancer	1992-200	ICD-O-3	26266	≥15	Yes	2009,	_	Pohar-Perme	ICSS-1	加脉(Ye Zhuojun):
	7	countries	registries	4					except in				删除[Ye Zhuojun]:
									France				
									(2008)				
Caetano et	202	Poland	Polish national	2000-201	ICD-10	24043	≥15	No	2019	KM	Pohar-Perme	ICSS-1	
al.[30]	3		cancer registry	9									删除[Ye Zhuojun]:
Pavlík et al.[31]	201	The Czech	Czech national	1995-200	ICD-O-3	3370	≥15	Yes	2008	_	Hakulinen	ICSS-1	が表して Znaojanj.
	4	Republic	cancer registry	8									删除[Ye Zhuojun]:
Hiripi et al. [32]	201	Germany	11 cancer	1997-200	ICD-10	14532	≥15	Yes	2006	Life table	Ederer II	_	删除 [Vo 7 boi.up]
	2		registries	6									删除[Ye Zhuojun]:
		United	13-SEER cancer	1997-200		16000						-	
		States	registries	6									
Brenner et	200	Germany	Saarland cancer	1990–200	ICD-9	777	≥15	Yes	2002	-	Hakulinen	-	
al.[33]	5		registry	2									删除[Ye Zhuojun]:
Schlesinger-Ra	201	Germany	Munich cancer	1998-201	-	3186	No	Yes	2014	KM	-	-	
ab et al [34]	7		registry	4			limit						删除[Ye Zhuojun]:
Jansen et al.[35]	201	Germany	11 cancer	1997–200	ICD-10	14532	≥15	No	2006	Life table	Ederer II	ICSS-1	删除[Ye Zhuojun]:

Qidong cancer	2001-200									· ·
		-	916	≥15	Yes	2009	Life table	Hakulinen	_	則於[Vo 7buojun]:
registry	7									删除[Ye Zhuojun]:
n National	1989-201	ICD-O	59584	No	No	2018	-	Pohar-Perme	-	
Netherlands	8			limit						 删除[Ye Zhuojun]:
cancer registry										加脉[Ye Zhuojun]:
Swedish cancer	1961-200	ICD-7	13338	No	No	2009	Life table	-	-	
registry	9			limit						脚路Vo Zhuojus]
Calvados	1997-200	ICD-O-3	629	No	No cases	2007	-	_	_	删除[Ye Zhuojun]:
digestive cancer	4			limit	are					删除[Ye Zhuojun]:
registry					registere					
					d					
					through					
					death					
					certificat					
					e alone.					
18-SEER cancer	2006-201	ICD/ICD-O	_	No	No	2013	_	_	-	删除[Ye Zhuojun]:
registries	2			limit						加姆[Te Zhuojunj.
Vanonii cancer	2002-201	ICD-O-2	1184	No	No	2012	KM	_	_	
			1101		110	2012	10171			删除[Ye Zhuojun]:
		ICD-O-3/ICD-10	_		No	2012	_	_	_	
		102 0 3/102 10			110	2012				删除[Ye Zhuojun]:
		ICD-10	14394		No	2015	KM	_	_	
_		102-10	17377		110	2013	TZIVI			删除[Ye Zhuojun]:
h	cancer registry h Swedish cancer registry Calvados digestive cancer registry 18-SEER cancer registries Yangpu cancer registry Shanghai cancer registry Taiwan society	cancer registry Swedish cancer 1961-200 registry 9 Calvados 1997-200 digestive cancer 4 registry 18-SEER cancer 2006-201 registries 2 Yangpu cancer 2002-201 registry 2 Shanghai cancer 1998-200 registry 7 Taiwan society 2008-201	cancer registry h Swedish cancer 1961-200 ICD-7 registry 9 Calvados 1997-200 ICD-O-3 digestive cancer 4 registry 18-SEER cancer 2006-201 ICD/ICD-O registries 2 Yangpu cancer 2002-201 ICD-O-2 registry 2 Shanghai cancer 1998-200 ICD-O-3/ICD-10 registry 7 Taiwan society 2008-201 ICD-10	cancer registry h Swedish cancer 1961-200 ICD-7 13338 registry 9 Calvados 1997-200 ICD-O-3 629 digestive cancer 4 registry 18-SEER cancer 2006-201 ICD/ICD-O - registries 2 Yangpu cancer 2002-201 ICD-O-2 1184 registry 2 Shanghai cancer 1998-200 ICD-O-3/ICD-10 - registry 7 Taiwan society 2008-201 ICD-10 14394	Cancer registry Swedish cancer 1961-200 ICD-7 13338 No registry 9 limit	Cancer registry Swedish cancer 1961-200 ICD-7 13338 No No No registry 9 Ilimit	Cancer registry Swedish cancer 1961-200 ICD-7 13338 No No 2009 registry 9 limit	Calvados 1997-200 ICD-0-3 629 No No Cases 2007 -	Cancer registry	cancer registry h Swedish cancer 1961-200 ICD-7 13338 No No No 2009 Life table registry 9 limit Calvados 1997-200 ICD-O-3 629 No No cases 2007 digestive cancer 4 limit are registry registry d through death certificat e alone. 18-SEER cancer 2006-201 ICD/ICD-O - No No 2013 registries 2 limit Yangpu cancer 2002-201 ICD-O-2 1184 No No 2012 KM registry 2 Shanghai cancer 1998-200 ICD-O-3/ICD-10 - No No 2012

			registry										
Cheng et al. [44]	201	China	cancer registry	2006-201	ICD-10	-	No	No	2016	-	-		删除[Ye Zhuojun]:
	9		of Jiang'an	1			limit						加沃[Te Zhuojun].
			district in										
			Wuhan										
		United	9-SEER cancer						-			-	
		States	registries										
Faivre et al. [45]	199	17	EUROCARE	1978-198	ICD-9	20231	≥15	Yes	-	-	Hakulinen	Direct	则尽 (, 7),
	8	countries		9								standardization	删除[Ye Zhuojun]:
												to the age	
												distribution of	
												the European	
												sample	
Sun et al. [46]	201	China	Lianyungang	2011	-	-	No	No	2013	-	-	-	
	4		cancer registry				limit						
Hua et al. [47]	201	China	Yangzhong	1991-201	ICD-10	6493	No	No	2015	KM	-		删除[Ye Zhuojun]:
	7		cancer registry	3			limit						励脉[Ye Zhuojun]:
Liu et al [48]	201	China	Linzhou cancer	2003-201	ICD-10	8229	No	No	-	KM	-	_	
	7		registry	2			limit						删除[Ye Zhuojun]:
He et al [49]	202	China	China cancer	2014-201	ICD-O-3/ICD-10	323	No	No	2020	Life table	-		mil/\(\rangle \rangle \rangl
	3		registry platform	6			limit						删除[Ye Zhuojun]:
Liu et al. [50]	202	China	China cancer	2016-202	_	446	No	No	2021	Life table	_	_	milk D/ ZI : 3
	3		registry platform	0			limit						删除[Ye Zhuojun]:

Swaminathan	200	India	Dindigul	2003-200	ICD-10	53	No	Yes	2008	Life table	-	-	
et al. [51]	9		Ambilikkai	6			limit						M/// 71
			cancer registry										删除[Ye Zhuojun]:
Wang et al [52]	202	United	18-SEER cancer	2010-201	ICD-O-3	8916	No	Yes	2016	KM	-	-	mit A a v = v = v
	2	States	registries	6			limit						删除[Ye Zhuojun]:
Bashash et	200	Canada	British	1990-199	ICD-O-2	1741	No	Yes	Five years	KM	-	-	
al. [53]	8		Columbia cancer	9			limit		of				
			registry						follow-up				删除[Ye Zhuojun]:
									informatio				
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									available				
									for each				
1 [54]	•••	ert !	a	••••	10D 0 4	1510			patient.	710 . 11			
Zhang et al.[54]	201	China	Shanghai cancer	2002-200	ICD-O-3	1718	No	No	2009	Life table	_	-	删除[Ye Zhuojun]:
	5		registries	6			limit						
		United	SEER			1624						-	I
		States	limited-use										
		22	database										
Zeng et al. [55]	201	China	The National	2003-201	ICD-O-3/ICD-10	63506	0-99	Yes	2015	Life table	Ederer II	-	
	8		Central cancer										删除[Ye Zhuojun]:
			registry (17										
			cancer										
			CuilCCI										

Afshar et al [56]	201	Australia	Victorian cance	r 1982-201	ICD-10	8070	15-9	Yes	2015	-	Pohar-Perme	_	删除[Ye Zhuojun]:
	8		registry	5			9						删除[fe Zhuojun].
Gavin et al [57]	201	23	EUROCARE-4	1995-199	ICD-9/ICD-10/ICD	51499	15-9	Yes	2003	-	Hakulinen	-	则於No Zhuoius]
	2	European	(66 cance	r 9	-O		9						删除[Ye Zhuojun]:
		countries	registries)										
Chen et al [58]	199	China	Qidong cance	r 1982-199	ICD-9	150	No	Yes	1994	KM	_	_	删除[Ye Zhuojun]:
	8		registry	1			limit						测脉[Te Zhuojun].
Hemminki et	202	4	Nordic cancer	1970-201	ICD-10	-	<90	Yes	2019	Life table	Pohar-Perme	-	
al [^[59]	3	European	registries	9									删除(Va Zhuaiua).
		countries											删除[Ye Zhuojun]:

Note. DCO, death certificate only; OSR, observed survival rate; RSR, relative survival rate; KM, Kaplan-meier; SEER, Surveillance, Epidemiology, and End Results. -, no report or non-available in the original articles.

Supplementary Table S11 Studies reviewed in full text for eligibility (excluded reasons for systematic review)

No.	Results from full text review	Reasons for exclusion
1	Cancer survival in urban Beijing	Study period not within the
2	A 1 ' C 1'	focus timeframe (before 1990) Data not from cancer
2	Analysis of malignant neoplasm survival rates in Yuexiu district, Guangzhou City, 1996-1999	registries
3	Investigation of epidemic characteristics and treatment status of esophageal cancer in Huai'an area	Lack of specific survival rates
4	Long-term trend of survival rate of malignant tumors in the elderly over sixty years old	Includes only data on
		individuals aged 60 and above
5	Analysis survival of screening and non-screening patients of esophageal cancer in Linzhou city	Unsatisfactory subgroups
6	Construction and analysis of prognostic model for esophageal cancer specific survival rate	Unsatisfactory survival
		indicators
7	Survival status of patients with esophageal squamous cell carcinoma in Yangzhong City and the	Highly pre-selected patients
	prognostic significance of protein expressions of XRCC1 and MGMT	
8	Performance evaluation on screening and early detection and treatment project for esophageal cancer in Yanting, Sichuan province	Highly pre-selected patients
9	Conditional survival in patients with esophageal or gastroesophageal junction cancer after receiving	Highly pre-selected patients
	various treatment modalities	

10	Early esophageal cancer specific survival is unaffected by anatomical location of tumor: a population-based study	Highly pre-selected patients; unsatisfactory survival
	population based study	indicators
11	Education, survival, and avoidable deaths in Lithuanian cancer patients, 2001–2009	Unsatisfactory subgroups
12	Effects of life table models on the evaluation of excess mortality	Lack of 5-year relative survival rates
13	Effects of socioeconomic status on esophageal adenocarcinoma stage at diagnosis, receipt of treatment, and survival: a population-based cohort study	Focus only on EAC; unsatisfactory subgroups
14	Epidemiology of esophageal cancer	Review
15	Esophageal cancer in Iran; a population-based study regarding adequacy of cancer surgery and overall survival	Randomly selected sample
16	Esophageal cancer incidence and survival in the province of Zaragoza (Spain): a population-based study	Spanish language
17	Estimation of survival rate of esophageal cancer and some of its determinants in Golestan province, North of Iran	Iranian Language
18	Fate of patients with adenocarcinoma of the esophagus and the esophagogastric junction: a population-based analysis	Data not from cancer registries
19	Gastro-oesophageal malignancy in New Zealand: 1995-97	Unavailable article
20	Hospital volume does not influence long-term survival of patients undergoing surgery for oesophageal or gastric cancer	Highly pre-selected patients
21	Impact of a non-university clinical cancer registry on regional quality assurance	Abstract
22	Improvement in survival of cancer patients in Poland: analysis of survival of patients diagnosed 2003-2005	Polish language
23	Incidence, survival and prognostic factors of oesophagogastric cancer	Focus only on oesophagogastric cancer

Province, China: A multilevel analysis Inequity of upper gastrointestinal cancer distribution and survival with socioeconomic deprivation: a population-based study Life expectancy in survivors of esophageal cancer compared with the background population Lower socioeconomic status is associated with higher mortality in T1a esophageal cancer Malignant tumors of the esophageus in the Czech Republic Morbidity and mortality rates following gastric cancer surgery and contiguous organ removal, a population based study Morbidity and mortality rates following gastric cancer surgery and contiguous organ removal, a population based study Morbidity and mortality rates following gastric cancer surgery and contiguous organ removal, a population based study Persistence of increasing trends of esophageal squamous carcinoma, but not adenocarcinoma, in Taiwan during 2002-2017 The prognostic effect of ethnicity for gastric and esophageal cancer: the population-based experience in British Columbia, Canada Racial differences in surgical evaluation, treatment, and outcome of locoregional esophageal cancer: a population-based analysis of elderly patients States-specific survival of epithelial cancers in North-Holland/Flevoland, The Netherlands States of esophageal cancer registry Statistics of esophageal cancer patients of differing payer type in South West Virginia, between 2000 and 2013 Survival rates of malignancies and nasopharyngeal carcinoma during 2003-2005 in Sihui city Survival trends and conditional survival in primary non-metastatic esophageal cancer: a SEER database Lack of 5-year relative survival rates Lack of 5-year relative Survival rates in long-term survival and cure rates in esophageal cancer: a SEER database Lack of 5-year relative			
25 Inequity of upper gastrointestinal cancer distribution and survival with socioeconomic deprivation: a population-based study 26 Life expectancy in survivors of esophageal cancer compared with the background population 27 Lower socioeconomic status is associated with higher mortality in T1a esophageal cancer 28 Malignant tumors of the esophagus in the Czech Republic 29 Morbidity and mortality rates following gastric cancer surgery and contiguous organ removal, a 20 population based study 30 Outcomes of esophageal cancer from Singapore's national registry 31 Persistence of increasing trends of esophageal squamous carcinoma, but not adenocarcinoma, in 32 Taiwan during 2002-2017 33 The prognostic effect of ethnicity for gastric and esophageal cancer: the population-based 34 experience in British Columbia, Canada 35 Racial differences in surgical evaluation, treatment, and outcome of locoregional esophageal cancer: 36 a population-based analysis of elderly patients 37 Statistics of esophageal cancer registry 38 Statistics of esophageal cancer registry 39 Survival analysis of cancer patients of differing payer type in South West Virginia, between 2000 39 and 2013 30 Survival rates of malignancies and nasopharyngeal carcinoma during 2003-2005 in Sihui city 30 Survival trends and conditional survival in primary non-metastatic esophageal cancer: a SEER 30 Survival trends and conditional survival in primary non-metastatic esophageal cancer: a SEER 31 Lack of 5-year relative survival rates	24	Individual- And area-level socioeconomic inequalities in esophageal cancer survival in Shandong	Lack of 5-year relative
a population-based study 26 Life expectancy in survivors of esophageal cancer compared with the background population 27 Lower socioeconomic status is associated with higher mortality in T1a esophageal cancer 28 Malignant tumors of the esophagus in the Czech Republic 29 Morbidity and mortality rates following gastric cancer surgery and contiguous organ removal, a 29 population based study 30 Outcomes of esophageal cancer from Singapore's national registry 31 Persistence of increasing trends of esophageal squamous carcinoma, but not adenocarcinoma, in 32 The prognostic effect of ethnicity for gastric and esophageal cancer: the population-based 33 Racial differences in surgical evaluation, treatment, and outcome of locoregional esophageal cancer: 34 a population-based analysis of elderly patients 35 Statistics of esophageal cancer registry 36 Survival analysis of cancer patients of differing payer type in South West Virginia, between 2000 36 Survival rates of malignancies and nasopharyngeal carcinoma during 2003-2005 in Sihui city 37 Survival rates of malignancies and nasopharyngeal carcinoma during 2003-2005 in Sihui city 38 Survival trends and conditional survival in primary non-metastatic esophageal cancer: a SEER 39 population-based study and external validation 40 Highly pre-selected patients 41 Highly pre-selected patients 42 Czech language 42 Unavailable article 43 Unavailable article 44 Unavailable article 45 Unavailable article 46 S-year relative 58 survival rates of malignancies and nasopharyngeal carcinoma during 2003-2005 in Sihui city 47 Unavailable article 48 Unavailable article 49 Unavailable article 40 Unavailable article 40 Unavailable article 41 Unavailable article 41 Unavailable article 42 Unavailable article 43 Unavailable article 44 Unavailable article 45 Unavailable article 46 Unavailable article 47 Unavailable article 48 Unavailable article 49 Unavailable article 40 Unavailable article 50 Unavailable article 51 Unavailable article 52 Unavailable articl		Province, China: A multilevel analysis	survival rates
Life expectancy in survivors of esophageal cancer compared with the background population Lower socioeconomic status is associated with higher mortality in T1a esophageal cancer Malignant tumors of the esophagus in the Czech Republic Czech language Morbidity and mortality rates following gastric cancer surgery and contiguous organ removal, a population based study Outcomes of esophageal cancer from Singapore's national registry Abstract Persistence of increasing trends of esophageal squamous carcinoma, but not adenocarcinoma, in Taiwan during 2002-2017 The prognostic effect of ethnicity for gastric and esophageal cancer: the population-based experience in British Columbia, Canada Racial differences in surgical evaluation, treatment, and outcome of locoregional esophageal cancer: a population-based analysis of elderly patients Stage-specific survival of epithelial cancers in North-Holland/Flevoland, The Netherlands Lack of 5-year relative survival rates Statistics of esophageal cancer registry Survival analysis of cancer patients of differing payer type in South West Virginia, between 2000 and 2013 Survival rates of malignancies and nasopharyngeal carcinoma during 2003-2005 in Sihui city Survival trends and conditional survival in primary non-metastatic esophageal cancer: a SEER population-based study and external validation Highly pre-selected patients Czech language Unavailable article Unavailable article Unavailable article Lack of 5-year relative survival rates Unavailable article Lack of 5-year relative survival rates	25	Inequity of upper gastrointestinal cancer distribution and survival with socioeconomic deprivation:	Paper retracted
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Morbidity and mortality rates following gastric cancer surgery and contiguous organ removal, a population based study 30 Outcomes of esophageal cancer from Singapore's national registry Abstract 31 Persistence of increasing trends of esophageal squamous carcinoma, but not adenocarcinoma, in Taiwan during 2002-2017 32 The prognostic effect of ethnicity for gastric and esophageal cancer: the population-based experience in British Columbia, Canada 33 Racial differences in surgical evaluation, treatment, and outcome of locoregional esophageal cancer: a population-based analysis of elderly patients 34 Stage-specific survival of epithelial cancers in North-Holland/Flevoland, The Netherlands Statistics of esophageal cancer registry 35 Statistics of esophageal cancer registry 36 Survival analysis of cancer patients of differing payer type in South West Virginia, between 2000 and 2013 37 Survival rates of malignancies and nasopharyngeal carcinoma during 2003-2005 in Sihui city 38 Survival trends and conditional survival in primary non-metastatic esophageal cancer: a SEER population-based study and external validation 4 Disavailable article Unavailable article Unavailable article Unavailable article Lack of 5-year relative survival rates Unavailable article	27	Lower socioeconomic status is associated with higher mortality in T1a esophageal cancer	Highly pre-selected patients
population based study Outcomes of esophageal cancer from Singapore's national registry Abstract Persistence of increasing trends of esophageal squamous carcinoma, but not adenocarcinoma, in Taiwan during 2002-2017 The prognostic effect of ethnicity for gastric and esophageal cancer: the population-based experience in British Columbia, Canada Racial differences in surgical evaluation, treatment, and outcome of locoregional esophageal cancer: a population-based analysis of elderly patients Stage-specific survival of epithelial cancers in North-Holland/Flevoland, The Netherlands Lack of 5-year relative survival rates Statistics of esophageal cancer registry Survival analysis of cancer patients of differing payer type in South West Virginia, between 2000 and 2013 Survival rates of malignancies and nasopharyngeal carcinoma during 2003-2005 in Sihui city Survival trends and conditional survival in primary non-metastatic esophageal cancer: a SEER population-based study and external validation	28	Malignant tumors of the esophagus in the Czech Republic	Czech language
Outcomes of esophageal cancer from Singapore's national registry Persistence of increasing trends of esophageal squamous carcinoma, but not adenocarcinoma, in Taiwan during 2002-2017 The prognostic effect of ethnicity for gastric and esophageal cancer: the population-based experience in British Columbia, Canada Racial differences in surgical evaluation, treatment, and outcome of locoregional esophageal cancer: a population-based analysis of elderly patients Stage-specific survival of epithelial cancers in North-Holland/Flevoland, The Netherlands Statistics of esophageal cancer registry Survival analysis of cancer patients of differing payer type in South West Virginia, between 2000 and 2013 Survival rates of malignancies and nasopharyngeal carcinoma during 2003-2005 in Sihui city Survival trends and conditional survival in primary non-metastatic esophageal cancer: a SEER population-based study and external validation Abstract Abstra	29	Morbidity and mortality rates following gastric cancer surgery and contiguous organ removal, a	Unavailable article
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The prognostic effect of ethnicity for gastric and esophageal cancer: the population-based experience in British Columbia, Canada Racial differences in surgical evaluation, treatment, and outcome of locoregional esophageal cancer: unsatisfactory subgroups a population-based analysis of elderly patients Stage-specific survival of epithelial cancers in North-Holland/Flevoland, The Netherlands Statistics of esophageal cancer registry Survival analysis of cancer patients of differing payer type in South West Virginia, between 2000 and 2013 Survival rates of malignancies and nasopharyngeal carcinoma during 2003-2005 in Sihui city Survival trends and conditional survival in primary non-metastatic esophageal cancer: a SEER population-based study and external validation Unsatisfactory subgroups Unsatisfactory subgroups Unsatisfactory subgroups Unsatisfactory subgroups Lack of 5-year relative survival rates Unavailable article Lack of 5-year relative survival rates Unavailable article Lack of 5-year relative survival rates	31	Persistence of increasing trends of esophageal squamous carcinoma, but not adenocarcinoma, in	Abstract
experience in British Columbia, Canada 33 Racial differences in surgical evaluation, treatment, and outcome of locoregional esophageal cancer: 34 Stage-specific survival of epithelial cancers in North-Holland/Flevoland, The Netherlands 35 Statistics of esophageal cancer registry 36 Survival analysis of cancer patients of differing payer type in South West Virginia, between 2000 37 Survival rates of malignancies and nasopharyngeal carcinoma during 2003-2005 in Sihui city 38 Survival trends and conditional survival in primary non-metastatic esophageal cancer: a SEER 39 population-based study and external validation 30 Unsatisfactory subgroups 40 Lack of 5-year relative survival rates 41 Unavailable article 42 Lack of 5-year relative survival rates 43 Unavailable article 44 Lack of 5-year relative survival rates 45 Unavailable article 46 Lack of 5-year relative survival rates 57 Survival trends and conditional survival in primary non-metastatic esophageal cancer: a SEER 48 population-based study and external validation		Taiwan during 2002-2017	
Racial differences in surgical evaluation, treatment, and outcome of locoregional esophageal cancer: a population-based analysis of elderly patients Stage-specific survival of epithelial cancers in North-Holland/Flevoland, The Netherlands Statistics of esophageal cancer registry Survival analysis of cancer patients of differing payer type in South West Virginia, between 2000 and 2013 Survival rates of malignancies and nasopharyngeal carcinoma during 2003-2005 in Sihui city Survival trends and conditional survival in primary non-metastatic esophageal cancer: a SEER population-based study and external validation Unsatisfactory subgroups Lack of 5-year relative survival rates Unavailable article Lack of 5-year relative survival rates Unavailable article Lack of 5-year relative survival rates	32	The prognostic effect of ethnicity for gastric and esophageal cancer: the population-based	Unsatisfactory subgroups
a population-based analysis of elderly patients 34 Stage-specific survival of epithelial cancers in North-Holland/Flevoland, The Netherlands 35 Statistics of esophageal cancer registry 36 Survival analysis of cancer patients of differing payer type in South West Virginia, between 2000 and 2013 37 Survival rates of malignancies and nasopharyngeal carcinoma during 2003-2005 in Sihui city 38 Survival trends and conditional survival in primary non-metastatic esophageal cancer: a SEER population-based study and external validation 39 Lack of 5-year relative survival rates Unavailable article Lack of 5-year relative survival rates Unavailable article Lack of 5-year relative survival rates		experience in British Columbia, Canada	
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Statistics of esophageal cancer registry 35 Statistics of esophageal cancer registry 36 Survival analysis of cancer patients of differing payer type in South West Virginia, between 2000 and 2013 37 Survival rates of malignancies and nasopharyngeal carcinoma during 2003-2005 in Sihui city 38 Survival trends and conditional survival in primary non-metastatic esophageal cancer: a SEER population-based study and external validation 38 Survival rates of malignancies and nasopharyngeal carcinoma during 2003-2005 in Sihui city 39 Lack of 5-year relative survival rates urvival rates		a population-based analysis of elderly patients	
Statistics of esophageal cancer registry Survival analysis of cancer patients of differing payer type in South West Virginia, between 2000 and 2013 Survival rates of malignancies and nasopharyngeal carcinoma during 2003-2005 in Sihui city Survival trends and conditional survival in primary non-metastatic esophageal cancer: a SEER population-based study and external validation Unavailable article Lack of 5-year relative Unavailable article Lack of 5-year relative survival rates	34	Stage-specific survival of epithelial cancers in North-Holland/Flevoland, The Netherlands	Lack of 5-year relative
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Survival rates of malignancies and nasopharyngeal carcinoma during 2003-2005 in Sihui city Survival trends and conditional survival in primary non-metastatic esophageal cancer: a SEER population-based study and external validation Unavailable article Lack of 5-year relative survival rates	36	Survival analysis of cancer patients of differing payer type in South West Virginia, between 2000	Lack of 5-year relative
Survival trends and conditional survival in primary non-metastatic esophageal cancer: a SEER population-based study and external validation Lack of 5-year relative survival rates		and 2013	survival rates
population-based study and external validation survival rates	37	Survival rates of malignancies and nasopharyngeal carcinoma during 2003-2005 in Sihui city	Unavailable article
	38	Survival trends and conditional survival in primary non-metastatic esophageal cancer: a SEER	Lack of 5-year relative
39 Temporal trends in long-term survival and cure rates in esophageal cancer: a SEER database Lack of 5-year relative		population-based study and external validation	survival rates
	39	Temporal trends in long-term survival and cure rates in esophageal cancer: a SEER database	Lack of 5-year relative

	analysis	survival rates
40	To determine the prognostic factors in esophageal cancer using log-logistic regression model in Iran	Unavailable article
41	Trends in incidence and survival of esophageal cancer in Korea: a population-based epidemiologic study	Unavailable article
42	Trends in treatment and overall survival among patients with proximal esophageal cancer	Highly pre-selected patients
43	Trends in upper gastro-intestinal cancer among the elderly in Denmark, 1980-2012	Lack of 5-year relative survival rates
44	Under-utilization of endoscopic ultrasonography (EUS) in esophageal cancer (EC) despite leading to improved survival rates: results from a population-based study	Unsatisfactory subgroups
45	The volume-outcome effect calls for centralization of care in esophageal adenocarcinoma (EAC): results from a large national cancer registry	Abstract
46	Efficacy of chemoradiotherapy versus surgery in cervical esophageal cancer: a population based competing risk analysis	Highly pre-selected patients
47	Analysis of the incidence and mortality characteristics of malignant tumorsin Anzhou, Mianyang	Cancer incidence and mortality
	City from 2016 to 2021	as outcome
48	Analysis of the progress of surgical treatment of esophageal cancer in Yangcheng County, a high-incidence area of esophageal cancer	Data not from cancer registries
49	Adenocarcinoma of the oesophagus: incidence and survival rates in New South Wales, 1972-2005	Lack of 5-year relative survival rates
50	Endoscopic therapy replaces surgery for clinical T1 oesophageal cancer in the Netherlands: a nationwide population-based study	Highly pre-selected patients
51	Endoscopic ultrasonography in esophageal cancer leads to improved survival rates: Results from a population-based study	Includes only data on individuals aged above 66
52	The first year counts: cancer survival among Indigenous and non-Indigenous Queenslanders, 1997-2006	Unsatisfactory subgroups

53	Impact of treatment modalities on survival of patients with locoregional esophageal squamous-cell carcinoma in Taiwan	Highly pre-selected patients
54	The influence of marital status on the survival of patients with esophageal cancer: a	Lack of 5-year relative
	population-based, propensity-matched study	survival rates
55	Neoadjuvant chemoradiotherapy or chemotherapy alone for oesophageal cancer: population-based cohort study	Unsatisfactory subgroups
56	The prognosis of the different esophageal neuroendocrine carcinoma subtypes: a population-based study	Lack of 5-year relative survival rates
57	Survival of men with upper aerodigestive cancer in Umbria, Italy	Italian language
58	Survival of patients with distal esophageal and gastric cardia tumors: a population-based analysis of	Lack of 5-year relative
	gastroesophageal junction carcinomas	survival rates
59	Survival of US black and white patients with squamous cell cancer of the esophagus	Unsatisfactory subgroups
60	Treatment and prognosis for young patients with esophageal cancer	Unavailable article
61	Trends in survival based on treatment modality for esophageal cancer: a population-based study	Lack of 5-year relative
		survival rates; Unsatisfactory
		subgroups
62	Epidemiology of adenocarcinomas of the esophagus and esophagogastric junction	German language
63	An Asian population-based survival analysis of patients with distal esophageal and gastric cardia	Data not from cancer
	adenocarcinomas	registries
64	Clinicopathological characteristics and survival predictions for adenocarcinoma of the esophagogastric junction: a SEER population-based retrospective study	Highly pre-selected patients
65	Oesophageal intraepithelial and invasive neoplasia of squamous cell type: epidemiology and	focus only on invasive
	outcome in Luxembourg, 1980-2001	oesophageal squamous cell
		carcinoma
66	Survival predictors associated with signet ring cell carcinoma of the esophagus (SRCCE): a	Lack of 5-year relative

	population-based retrospective cohort study	survival rates
67	A 10-year population-based study of the differences between NECs and carcinomas of the	Unsatisfactory subgroups
	esophagus in terms of clinicopathology and survival	
68	Cancer statistics in China, 2015	Lack of 5-year relative
		survival rates
69	Comparison of endoscopic therapies and surgical resection in patients with early esophageal cancer: a population-based study	Unsatisfactory subgroups
70	A comparison of endoscopic treatment and surgery in early esophageal cancer: an analysis of	Unsatisfactory subgroups
	surveillance epidemiology and end results data	
71	Development and validation of a deep learning model to predict survival of patients with	Prediction data
70	esophageal cancer	I legatisfactomy sub-maying
72	The effect of individual and neighborhood socioeconomic status on esophageal cancer survival in working-age patients in Taiwan	Unsatisfactory subgroups
73	Effect of low-dose aspirin use on survival of patients with gastrointestinal malignancies; an	Unsatisfactory subgroups
	observational study	
74	Effect of marital status on the survival of patients with adenocarcinoma of the esophagogastric junction: a population-based, propensity-matched study	Focus only on esophagogastric junction adenocarcinoma
75	Factors affecting survival of patients with oesophageal cancer: a study using inverse gaussian frailty	Lack of 5-year relative
	models	survival rates
76	Impact of age and comorbidity on choice and outcome of two different treatment options for	Highly pre-selected patients
	patients with potentially curable esophageal cancer	
77	Improved outcomes in the management of esophageal cancer with the addition of surgical resection	Highly pre-selected patients
	to chemoradiation therapy	
78	A new machine learning-based model is more accurate than traditional models in predicting	Abstract
	survival of patients with esophageal adenocarcinoma	

79	Presentation, treatment, and prognosis of esophageal carcinoma in a nationwide comparison of	Highly pre-selected patients
	Sweden and the Netherlands	
80	Receipt of previous diagnoses and endoscopy and outcome from esophageal adenocarcinoma: a	Includes only data on
	population-based study with temporal trends	individuals aged 68 and above
81	Selection for oesophagectomy and postoperative outcome in a defined population	Unsatisfactory subgroups
82	Survival after neoadjuvant therapy compared with surgery alone for resectable esophageal cancer in a population-based study	Highly pre-selected patients
83	Survival expressed in best-case, typical and worst-case scenarios for patients with nonmetastatic esophagogastric cancer: a population-based study	Unavailable article
84	Trends in esophageal and gastric cancer in Hamburg, Germany, from 1995-2015	Abstract
85	Tumor size as a critical prognostic factor in T1-2 stage esophageal cancer	Lack of 5-year relative
		survival rates
86	Variation in diagnosis, treatment, and outcome of esophageal cancer in a regionalized care system	Lack of 5-year relative
	in Ontario, Canada	survival rates
87	The influence of prediagnostic demographic and lifestyle factors on esophageal squamous cell	Data not from cancer
	carcinoma survival	registries
88	Widening health care disparity in patients with esophageal cancer (EC): a population-based study	Abstract
89	Survival analysis of patients with esophageal cancer using parametric cure model	Highly pre-selected patients
90	Long-term survival improvement in oesophageal cancer in the Netherlands	Abstract
91	A population-based study using Belgian cancer registry data supports centralization of esophageal cancer surgery in Belgium	Highly pre-selected patients
92	Propensity score analysis comparing survival between definitive chemoradiotherapy and esophagectomy with adjuvant chemoradiotherapy in patients with esophageal squamous cell carcinoma	Highly pre-selected patients
93	The role of radiation therapy in resected T2 N0 esophageal cancer: a population-based analysis	Highly pre-selected patients

94	Survival after definitive (chemo) radiotherapy in esophageal cancer patients: a population-based	Data not from cancer	
	study in the north-East Netherlands	registries	
95	Survival benefit of neoadjuvant versus adjuvant radiotherapy in lymph node positive esophageal cancer: a population based analysis	Highly pre-selected patients	
96	Survival comparison among neoadjuvant chemoradiotherapy followed by esophagectomy,	Highly pre-selected patients	
	definitive chemoradiotherapy, and esophagectomy alone for esophageal squamous cell Carcinoma		
97	Survival, mortality and morbidity outcomes after oesophagogastric cancer surgery in New South	Highly pre-selected patients	
	Wales, 2001-2008		
98	Differences in esophageal cancer characteristics and survival between Chinese and Caucasian	Unsatisfactory subgroups	
	patients in the SEER database		
99	Survival trends in patients with gastric and esophageal adenocarcinomas: a population-based study	Data not from cancer	
		registries	
100	Advances in cancer epidemiology in Japan	Lack of 5-year relative	
		survival rates; Unsatisfactory	
		subgroups	
101	Clinical characteristics, prognostic factors, and survival trends in esophageal neuroendocrine	Focus only on esophageal	
	carcinomas: a population-based study	neuroendocrine carcinomas	
102	Association of antihistamine use with increased risk of esophageal squamous cell carcinoma: a	Highly pre-selected patients	
	nationwide, long-term follow-up study using propensity score matching		
103	An audit of the treatment of cancer of the oesophagus	Data not from cancer	
		registries	
104	Long-term survival improvement in oesophageal cancer in the Netherlands	Abstract	
105	Impact of hospital volume on long-term survival after resection for oesophageal cancer: a	Highly pre-selected patients	
	population-based study in Taiwan		

106		D : 1	
106	Justification of regional programs for the control and prevention of malignant neoplasms of the	Russian language	
	digestive system based on an international comparison of morbidity, mortality and survival rates		
	(research based on materials from CI5 and Concord 3)		
107	Outcome of esophageal carcinoma in the veteran affairs population: a comparative analysis from the	Focus only on veteran affairs	
	Veteran Affairs Central Cancer Registry	population	
108	Trend in incidence of adenocarcinoma of the esophagus in Japan, 1993-2001	Cancer incidence and mortality	
		as outcome	
109	Comparison of LNM and survival in T1 stage esophageal cancer patients based on histological	Highly pre-selected patients	
	classification: A large population-based study		
110	Trends and socioeconomic inequalities in cancer survival in England and Wales up to 2001	Unsatisfactory subgroups	
111	A population-based examination of the surgical outcomes for patients with esophageal sarcoma	Lack of 5-year relative	
		survival rates; Unsatisfactory	
		subgroups	
112	Increased resection rates and survival among patients aged 75 years and older with esophageal	Includes only data on	
	cancer: a Dutch nationwide population-based study	individuals aged 75 and above	
113	Implementation of a regional video multidisciplinary team meeting is associated with an improved	Lack of 5-year relative	
	prognosis for patients with oesophageal cancer a mixed methods approach	survival rates	
114	Impact of age and co-morbidity on surgical resection rate and survival in patients with oesophageal	Lack of 5-year relative	
117	and gastric cancer	survival rates; Unsatisfactory	
	and gastric cancer	•	
115	Highen lang tame concern garwiyal notes in couth actum Nathanlands vaing you to date nomicel analysis	subgroups Study paried not within the	
115	Higher long-term cancer survival rates in southeastern Netherlands using up-to-date period analysis	Study period not within the	
116		focus timeframe (before 1990)	
116	Survival analysis of 10 409 cases with malignant cancers during 1989 to 1998 in Changle city	Lack of 5-year relative	
		survival rates	
117	Validity of cancer diagnosis in the National Health Insurance database compared with the linked	Unsatisfactory subgroups	

	National Cancer Registry in Taiwan	
118	Trends in incidence and management of esophageal adenocarcinoma in a well-defined population	Focus only on EAC
119	Treatment and outcome of young patients with esophageal cancer in the Netherlands	Unsatisfactory subgroups
120	Survival of cancer patients in Northeast China: analysis of sampled cancers from population-based cancer registries	Randomly selected sample
121	Efficacy of endoscopic treatment on patients with severe dysplasia/carcinoma in situ of esophageal squamous cell carcinoma: a prospective cohort study	Unsatisfactory subgroups
122	Esophageal squamous cell carcinoma and prognosis in Taiwan	Unsatisfactory subgroups
123	Incidence, survival and prevalence of esophageal and gastric cancer in Linzhou city from 2003 to 2009	Lack of 5-year relative survival rates
124	The improved cure fraction for esophageal cancer in Linzhou city	Unsatisfactory subgroups
125	An Analysis of survival in major malignancies during 1972~2000 in Qidong, China	Overlapping calendar periods
126	Improvement in survival of cancer patients in Poland: analysis of survival of patients diagnosed 2003-2005	Polish language
127	The application and evaluation of period survival analysis	Overlapping calendar periods
128	Survival of patients with oesophageal and gastric cancers in Europe	Study period not within the
		focus timeframe (before 1990)
129	Reliable information for cancer control in Cali, Colombia	Lack of 5-year relative
		survival rates
130	Prognostic factors for the survival of patients with esophageal cancer in Northern Iran	Overlapping calendar periods
131	The increase in cancer patient survival in Estonia continued in 2010-2014	Estonian language
132	Recent trends of cancer in Europe: A combined approach of incidence, survival and mortality for 17	Non-original data
	cancer sites since the 1990s	
133	Epidemiology of esophageal malignancies in Germany with regard to histological subtypes	German language
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