評価対象論文リスト(要因:能動喫煙、アウトカム:がん)

評価判定日:2023/3/24

①既存の系統的レビュー・メタ解析・統合解析

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②日本人個別研究（ランダム化比較試験、コホート研究、症例対照研究、横断研究などの個別疫学研究）

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■メタ解析

Reference			Include study						Design	Category	Relative risk (95% CI or p)	Weight	**Magnitude of association**
Author	Title	Year	Ref No.	First author	Year	Study period	Study location	Event (*Definition					
Inoue, M., et al.	Evaluation based on systematic review of epidemiological evidence among Japanese populations: tobacco smoking and total cancer risk	2005								Never	1.00 (ref)	NI;	
			5	Kono	1985	1965-1977	Japan	Death	Cohort		1.60 (1.12, 2.30)		
			7	Hirayama	1990	1965-1982	Japan	Death	Cohort		1.65 (1.54, 1.77)		
			7	Hirayama	1990	1965-1982	Japan	Death	Cohort		1.32 (1.22–1.43)		
			8	Akiba	1994	1963-1987	Japan	Incidence	Cohort	Current	1.60 (1.50–1.70)		
			11	Kawaminami	2003	1980-1999	Japan	Death	Cohort		1.56 (1.23–1.98)		
			11	Kawaminami	2003	1980-1999	Japan	Death	Cohort		1.13 (0.72–1.75)		
			12	Inoue	2004	1990-2001	Japan	Incidence	Cohort		1.64 (1.48–1.82)		
			12	Inoue	2004	1990-2001	Japan	Incidence	Cohort		1.46 (1.21–1.75)		
										Summary estimate	1.53 (1.41, 1.65)		↑↑

■コホート研究（プール解析含む）

Reference			Study subjects						Category	Number among cases	Relative risk (95%CI or p)	P for trend	Confounding variables coNIidered	**Magnitude of association**
Author	Title	Year	Study period	Number of subjects	Source of subjects	Event followed	Number of incident cases or deaths	Participant's race						
Katanoda K, et al.	Population Attributable Fraction of Mortality Associated with Tobacco Smoking in Japan: A Pooled Analysis of Three Large-scale Cohort Studies	2008	1990-2003	Total; 296,836 Men; 140,026 Women; 156,810	3 cohort studies; Pool analysis	Mortality	N/A	Japanese	Never Current Former Ever	Men; N/A	Tobacco-related cancers; 1.00 (ref) 2.32 (2.12, 2.54) 1.64 (1.49, 1.82) 2.06 (1.89, 2.26)	N/A	age (continuous variable)	↑↑↑
									Never Current Former Ever	Women; N/A	1.00 (ref) 2.01 (1.76 - 2.30) 1.70 (1.35 - 2.14) 1.93 (1.71 - 2.17)			↑↑↑
Saito E., et al.	Smoking cessation and subsequent risk of cancer: A pooled analysis of eight population-based cohort studies in Japan	2017	1984-2009	Total; 321,501 Men; 155,067 Women; 166,434	8 cohort studies; Pool analysis	Incidence	Total; 36,085 Men; 22,544 Women; 13,541	Japanese	Never Current Former 0-5 years 6-10 years 11-15 years 16-20 years 21 + years	Men; 3,416 13,346 1,933 1,394 949 628 878	Total Cancer; 1.00 (ref) 1.44 (1.32, 1.56) 1.23 (1.09, 1.38) 1.15 (1.03, 1.29) 1.21 (1.07, 1.37) 1.16 (1.04, 1.29) 1.01 (0.91, 1.11)	N/A	age, (years, continuous), public health center areas (JPHC and JACC only), alcohol intake, BMI, smoking pack-years	↑ ↑ ↑ ↑ —
									Never Current Former 0-10 years 11 + years	Women; 12,037 1,180 225 99	1.00 (ref) 1.24 (1.15, 1.35) 1.19 (1.03, 1.37) 0.96 (0.75, 1.23)			↑ ↑ —
Akter S, et al.	Smoking and colorectal cancer: A pooled analysis of 10 population-based cohort studies in Japan	2020	1983-2014	Total; 363,409 Men; 172,044 Women; 191,365	10 cohort studies; Pool analysis	Incidence;	Total; 9232 Men; 5584 Women; 3648	Japanese	Never Ever Former Current	Men; 1,031 4,553 1,478 3,075	Colorectal cancer; 1.00 (ref) 1.19 (1.10–1.29) 1.17 (1.08-1.27) 1.20 (1.09-1.33)	N/A	age, area, history of diabetes, body mass index, alcohol drinking, nonoccupational physical activity, log traNIformed energy intake, fiber, red meat and processed meat	↑
									Never Ever Former Current	Women; 3,301 347 84 263	1.00 (ref) 1.06 (0.91–1.24) 1.08 (0.86–1.34) 1.09 (0.93–1.28)			—
Oze I, et al.	Revisit of an unaNIwered question by pooled analysis of eight cohort studies in Japan: Does cigarette smoking and alcohol drinking have interaction for the risk of esophageal cancer?	2019	1984-2009	Men; 450,032	8 cohort studies; Pool analysis;	Incidence;	Men; 954	Japanese	Cigarette smoking status / Alcohol drinking status; Never / Never Ever / Never Never / Ever Ever / Ever	Men; 30 72 181 628	N/A 1.00 (ref) 2.92 (1.59, 5.36) 2.73 (1.78, 4.18) 8.86 (4.82, 16.30)		age., area	↑↑↑

Koyanagi YN., et al.	Smoking and Pancreatic Cancer Incidence: A Pooled Analysis of 10 Population-Based Cohort Studies in Japan	2019	1983−2010	Total; 354,154 Men; 166,920 Women; 187,234	10 cohort studies; Pool analysis;	Incidence;	Total; 1,779 Men; 961 Women; 818	Japanese	Never Former Current Never Former Current	Men; 157 223 581 Women; 703 28 87	1.00 (ref) 1.10 (0.89, 1.36) 1.59 (1.32, 1.91) 1.00 (ref) 1.77 (1.19, 2.62) 1.81 (1.43, 2.30)	N/A	age, area, BMI, alcohol comsumption, nondrinker, occasional drinker, current drinker, history of diabetes	↑↑ ↑↑
Ugai T., et al.	Smoking and subsequent risk of acute myeloid leukaemia: A pooled analysis of 9 cohort studies in Japan	2018	1983-2012	Total; 344,676 Men; 165,567 Women; 179,109	9 cohort studies; Pool analysis;	Incidence;	Total; 245 Men; 139 Women; 106	Japanese	Never Former Current Never Former Current	Men; 19 39 81 Women; 97 1 8	1.00 (ref) 1.59 (0.89, 2.84) 1.44 (0.81, 2.55) 1.00 (ref) 4.07 (0.52, 31.7) 1.63 (0.78, 3.40)	N/A	age, gender, BMI, study area	— —
Hanaoka T, et al.	Active and passive smoking and breast cancer risk in middle-aged Japanese women	2004	1990-1999	Women; 21,805	JPHC Study; Population-based prospective study	Incidence;	Women; 180	Japanese	Pre-and post-menopausal women at baseline; Never-smoker without passive smoking Never-smoker with passive smoking Ex-smoker Current smoker Postmenopausal women at baseline: Never-smoker without passive smoking Never-smoker with passive smoking Current- □ex-smoker	 40 122 4 14 31 52 7	 1.00 (ref) 1.1 (0.8, 1.6) 1.2 (0.4, 4.0) 1.9 (1.0, 3.6) 1.00 (ref) 0.6 (0.4, 1.0) 1.1 (0.5, 2.5)	N/A	public health center, age, employment status, education level, body mass index, family history of breast caner, history of past benign breast disease, age at menarche, number of births, menopausal status, hormone use and alcohol comsumption per	↑↑ —