

評価対象論文リスト(要因:受動喫煙、アウトカム:循環器病)

評価判定日:2023/12/20

1	Khoramdad M, Vahedian-Azimi A, Karimi L, Rahimi-Bashar F, Amini H, Sahebkar A. Association between passive smoking and cardiovascular disease: A systematic review and meta-analysis. <i>IUBMB Life</i> . 2020;72(4):677-
2	Lee PN, Thornton AJ, Forey BA, Hamling JS. Environmental Tobacco Smoke Exposure and Risk of Stroke in Never Smokers: An Updated Review with Meta-Analysis. <i>J Stroke Cerebrovasc Dis</i> . 2017;26(1):204-216. doi:10.1016/j.jstrokecerebrovasdis.2016.09.011
3	Frazer K, Callinan JE, McHugh J, et al. Legislative smoking bans for reducing harms from secondhand smoke exposure, smoking prevalence and tobacco consumption. <i>Cochrane Database Syst Rev</i> . 2016;2(2):CD005992. Published 2016 Feb 4. doi:10.1002/14651858.CD005992.pub3
4	Fischer F, Kraemer A. Meta-analysis of the association between second-hand smoke exposure and ischaemic heart diseases, COPD and stroke. <i>BMC Public Health</i> . 2015;15:1202. Published 2015 Dec 1. doi:10.1186/s12889-015-
5	Lv X, Sun J, Bi Y, et al. Risk of all-cause mortality and cardiovascular disease associated with secondhand smoke exposure: a systematic review and meta-analysis. <i>Int J Cardiol</i> . 2015;199:106-115.
6	Lin H, Wang H, Wu W, Lang L, Wang Q, Tian L. The effects of smoke-free legislation on acute myocardial infarction: a systematic review and meta-analysis. <i>BMC Public Health</i> . 2013;13:529. Published 2013 May 31. doi:10.1186/1471-2458-13-529
7	Tan CE, Glantz SA. Association between smoke-free legislation and hospitalizations for cardiac, cerebrovascular, and respiratory diseases: a meta-analysis. <i>Circulation</i> . 2012;126(18):2177-2183.
8	Oono IP, Mackay DF, Pell JP. Meta-analysis of the association between secondhand smoke exposure and stroke. <i>J Public Health (Oxf)</i> . 2011;33(4):496-502. doi:10.1093/pubmed/fdr025
9	Mackay DF, Irfan MO, Haw S, Pell JP. Meta-analysis of the effect of comprehensive smoke-free legislation on acute coronary events. <i>Heart</i> . 2010;96(19):1525-1530. doi:10.1136/hrt.2010.199026
10	Meyers DG, Neuberger JS, He J. Cardiovascular effect of bans on smoking in public places: a systematic review and meta-analysis [published correction appears in <i>J Am Coll Cardiol</i> . 2009 Nov 10;54(20):1902]. <i>J Am Coll Cardiol</i> . 2009;54(14):1249-1255. doi:10.1016/j.jacc.2009.07.022
11	Enstrom JE, Kabat GC. Environmental tobacco smoke and coronary heart disease mortality in the United States--a meta-analysis and critique. <i>Inhal Toxicol</i> . 2006;18(3):199-210. doi:10.1080/08958370500434255
12	Kaur S, Cohen A, Dolor R, Coffman CJ, Bastian LA. The impact of environmental tobacco smoke on women's risk of dying from heart disease: a meta-analysis. <i>J Womens Health (Larchmt)</i> . 2004;13(8):888-897.
13	Thun M, Henley J, Apicella L. Epidemiologic studies of fatal and nonfatal cardiovascular disease and ETS exposure from spousal smoking. <i>Environ Health Perspect</i> . 1999;107 Suppl 6(Suppl 6):841-846.
14	He J, Vupputuri S, Allen K, Prerost MR, Hughes J, Whelton PK. Passive smoking and the risk of coronary heart disease--a meta-analysis of epidemiologic studies. <i>N Engl J Med</i> . 1999;340(12):920-926.

15	Law MR, Morris JK, Wald NJ. Environmental tobacco smoke exposure and ischaemic heart disease: an evaluation of the evidence. <i>BMJ</i> . 1997;315(7114):973-980. doi:10.1136/bmj.315.7114.973
16	Kobayashi Y, Yamagishi K, Muraki I, et al. Secondhand smoke and the risk of incident cardiovascular disease among never-smoking women [published correction appears in <i>Prev Med</i> . 2023 Feb;167:107396. doi: 10.1016/j.ypmed.2022.107396.]. <i>Prev Med</i> . 2022;162:107145. doi:10.1016/j.ypmed.2022.107145
17	Kihara T, Yamagishi K, Iso H, Tamakoshi A; JACC Study Group. Passive smoking and mortality from aortic dissection or aneurysm. <i>Atherosclerosis</i> . 2017;263:145-150. doi:10.1016/j.atherosclerosis.2017.06.022
18	Nishino Y, Tsuji I, Tanaka H, et al. Stroke mortality associated with environmental tobacco smoke among never-smoking Japanese women: a prospective cohort study. <i>Prev Med</i> . 2014;67:41-45. doi:10.1016/j.ypmed.2014.06.029

■コホート研究(コホートのブール解析含む)

Reference				Study subjects					Participant's race	Category	Number among cases	Relative risk (95%CI or p)	P for trend	Confounding variables considered	Magnitude of association
論文	Author	Title	Year	Study period	Number of subjects	Source of subjects	Event followed	Number of incident cases or deaths							
16	Kobayashi Y, et al. JPHC Study Group.	Secondhand smoke and the risk of incident cardiovascular disease among never-smoking women.	2022	JPHC Study · Cohort I : from 1990 to December 31, 2009 · Cohort II : from 1993 to December 31, 2012	24232 women	JPHC Study · Cohort I : Aged 40-59 years · Cohort II : Aged 40-69 years	IHD, stroke, or total CVD (IHD and stroke combined)	Husbands' smoking status · Non-current(Never or Former) - IHD 21 - Stroke 226 - Total CVD 247 · Current - IHD 41 - Stroke 247 - Total CVD 288	Japan	3日本人集団の個別研究	non-current-smoking 11,206 current-smoking 11,239	Husbands' current-smoking versus non-current-smoking(Follow-up of ≥10 person-years) · IHD 2.02(1.19-3.45) · Stroke 1.18(0.98-1.42) · Total CVD 1.25(1.05-1.49)	N/A	· age, body mass index, alcohol consumption, history of hypertension and diabetes mellitus, medication use for hyperlipidemia, menopausal status, and PHC(Public health center) areas.	· <b>IHD:strong ↑ ↑ ↑</b> · <b>Stroke :weak ↑</b> · <b>Total CVD :weak ↑</b>
17	Kihara T, et al. JACC Study Group.	Passive smoking and mortality from aortic dissection or aneurysm.	2017	JACC Study from 1988-90 to 2009	48,677 (26,300 men 22,377 women)	110,585 residents(46,395 men and 64,190 women aged 40-79 years) in 45 communities around Japan	Aortic dissection death Aortic aneurysm death	· 66 (37 men and 29 women) died of aortic dissection · 75 (60 men and 15 women) died of aortic aneurysm <b>Total aortic diseases</b> <b>Passive smoking out of home</b> · Passive smoking among never smokers - Low 22 - Intermediate 12 - High 7 · Current smokers 80 · Former smokers 20 <b>Passive smoking at home</b> · Passive smoking among never smokers - Low 19 - Intermediate 12 - High 10 · Current smokers 80 · Former smokers 20 <b>Combination of passive smoking</b> · Passive smoking among never smokers - Low 12 - Intermediate 14 - High 15 · Current smokers 80 · 906 cases of stroke death including - 87 cases of subarachnoid hemorrhage (SAH) - 147 cases of intracerebral hemorrhage (ICH) - 467 cases of cerebral infarction (CI)	Japan	3日本人集団の個別研究	<b>Passive smoking out of home</b> Low 12,936 Intermediate 7123 High 3348 <b>Passive smoking at home</b> Low 10,799 Intermediate 8215 High 4393 <b>Combination of passive smoking</b> Low 6863 Intermediate 9831 High 6713 <b>Former smoker 7725</b> <b>Current smoker 17,545</b>	Total aortic diseases for the high passive-smoking group versus the low passive-smoking group · Passive smoking out of home 2.45 (1.02-5.88) · Passive smoking at home 1.82 (0.84-3.96) · Combination of passive smoking 2.35 (1.09-5.09) Total aortic diseases for current smokers versus the low passive-smoking group · Passive smoking out of home 3.97 (2.14-7.39) · Passive smoking at home 3.41 (1.84-6.32) · Combination of passive smoking 4.09 (1.99-8.39)	N/A	· sex, age, body mass index, history of hypertension, alcohol intake category, perceived mental stress, walking, age of completed education, job status, and region.	<b>Aortic diseases: strong ↑ ↑ ↑</b>
18	Nishino Y, et al. Three-Prefecture Cohort Study Group.	Stroke mortality associated with environmental tobacco smoke among never-smoking Japanese women: a prospective cohort study.	2014	Enrolled between 1983 and 1985 and were followed-up for 15 years	36021 women	The Three-Prefecture Cohort Study Residents living in Miyagi, Aichi, and Osaka prefectures, aged ≥40 years.	Stroke death	Environmental tobacco smoke (EST) exposure at home (husband and other family) All Stroke and by agegroup · Familial smoking status : Smoker (-) - All 322 - 40-79 years 236 - 80 years 86 · Familial smoking status : Smoker(+) - All 584 - 40-79 years 444 - 80 years + 140  · Familial smoking status : Smoker (-) - SAH 24 ICH 45 CI 183 · Familial smoking status : Smoker(+) - SAH 63 ICH 102 CI 284	Japan	3日本人集団の個別研究	Familial smoker (+) 13,834 Familial smoker (-) 22,187	Environmental tobacco smoke (ETS) exposure at home (husband and other family) Smoker (+) versus Smoker (-) · All Stroke 1.14 (0.99-1.31) · 40-79 years 1.24 (1.05-1.46) · 80 years + 0.89 (0.66-1.19)  Environmental tobacco smoke (ETS) exposure at home (husband and other family) Smoker (+) versus Smoker (-) SAH 1.66 (1.02-2.70) ICH 1.35 (0.94-1.94) CI 0.95 (0.78-1.15)	N/A	age, region of residence, health insurance type, history of hypertension, history of diabetes, body mass index (BMI), alcohol drinking, green and yellow vegetable consumption, non-green and non-yellow vegetable consumption, fruit consumption, miso soup consumption, pickled vegetable consumption, smoking status of father during childhood, and smoking status of mother during childhood	<b>SAH: Moderate ↑ ↑ ↑</b> <b>ICH: Weak ↑</b> <b>CI: No Association</b>