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## 2. 学会発表

なし

## H. 知的財産権の出願・登録状況

1. 特許取得： なし
2. 実用新案登録： なし
3. その他： なし

Table 1. Analyzed diseases and their codes of International Classification of Diseases.

Causes of death 死因	ICD-9 (-1994)	ICD-10 (1995-)	
All-cause 全死亡	(All)	(All)	
Causally-tobacco-related diseases in total 喫煙と因果関係がある疾患全体	(*印の疾患すべて)		
Cancer がん	140-208	C00-C97	
Causally-tobacco-related cancers in total 喫煙と因果関係があるがん	(*印のがんすべて)		
Lip, oral cavity, and pharynx 口唇・口腔・咽頭	140-149	C00-C14	*
Esophagus 食道	150	C15	*
Stomach 胃	151	C16	*
Small intestine 小腸	152	C17	
Colon 結腸	153	C18	
Rectosigmoid junction and rectum 直腸・直腸S状結腸移行部	154.0, 154.1	C19-C20	
Liver, intrahepatic bile ducts 肝・肝内胆管	155	C22	*
Gallbladder, other and unspecified parts of biliary tract 胆嚢・胆管	156	C23-C24	
Pancreas 膵臓	157	C25	*
Larynx 喉頭	161	C32	*
Trachea, bronchus, and lung 気管・気管支・肺	162	C33-C34	*
Breast 乳房	174	C50	
Cervix uteri 子宮頸部	180	C53	*
Ovary 卵巣	183	C56	
Prostate 前立腺	185	C61	
Kidney except renal pelvis 腎盂を除く腎	189.0	C64	*
Renal pelvis 腎盂	189.1	C65	*
Ureter 尿管	189.2	C66	*
Bladder 膀胱	188	C67	*
Brain 脳	191	C71	
Myeloid leukemia 骨髄性白血病	205	C92	*
Cardiovascular diseases 循環器疾患	390-459	I01-I99	
Causally-tobacco-related cardiovascular diseases in total 喫煙と因果関係がある循環器疾患	(*印の循環器疾患すべて)		
Ischemic heart diseases 虚血性心疾患	410-414	I20-I25	*
Total stroke 脳卒中	430-438	I60-I69	*
Subarachnoid hemorrhage くも膜下出血	430	I60	
Intracerebral hemorrhage 脳内出血	431	I61	
Cerebral infarction 脳梗塞	433-434	I63	
Aortic aneurysm and dissection 大動脈瘤および解離	441	I71	
Abdominal aortic aneurysm 腹部大動脈瘤	441.3, 441.4	I71.3, I71.4	*
Respiratory system diseases 呼吸器疾患	460-519	J00-J99	
Causally-tobacco-related respiratory diseases in total 喫煙と因果関係がある呼吸器疾患	(*印の呼吸器疾患すべて)		
Pneumonia 肺炎	480-486	J12-J18	*
Chronic obstructive pulmonary diseases 慢性閉塞性肺疾患 (COPD)	491-492, 496	J41-J44	*
Asthma 喘息	493	J45, J46	
Digestive system diseases 消化器疾患	520-579	K00-K93	
Peptic ulcer 消化性潰瘍	531-533	K25-K27	*
Cirrhosis of liver 肝硬変	571.5, 571.6, 571.8, 571.9	K74.3, K74.4, K74.5, K74.6	

\* 本研究で「喫煙と因果関係がある疾患」と定義した疾患 (Surgeon General's Report 2004およびIARC Monograph vol. 83に基づく)

Table 2. Characteristics of the pooled cohort studies and participants.

Cohort	Baseline year	End of follow-up	Average follow-up years (SD)	Sex	N	Age at baseline	
						Average (SD)	Range
JPHC-I	1990/1/1	2000/12/31	10.4 (1.6)	Male	23,478	49.0 (6.0)	40 - 59
JPHC-II	1993/1/1	2003/12/31	10.2 (1.7)	Female	26,561	49.1 (5.9)	40 - 59
				Male	29,567	53.2 (8.8)	40 - 69
3-Pref	1983/2/1 - 1985/11/1 (One area: 1990/12/1)	1993/1/31 - 1995/10/31 (One area: 2000/2/28)	8.5 (2.7)	Female	33,175	53.5 (8.9)	40 - 69
				Male	44,453	54.4 (10.2)	40 - 79
JACC	1983 - 1985	1999/12/31	9.9 (2.2)	Female	43,704	55.2 (10.5)	40 - 79
				Male	42,528	57.3 (10.2)	40 - 79
Pooled			9.6 (2.3)	Female	53,370	57.3 (10.1)	40 - 79
				Male	140,026	54.1 (9.7)	40 - 79
				Female	156,810	54.5 (9.8)	40 - 79
				Both sexes	296,836	54.4 (9.8)	40 - 79

JPHC-I, II: 厚生労働省がん研究助成金指定研究班「多目的コホートに基づくがん予防など健康の維持・増進に役立つエビデンスの構築に関する研究」コホートI, II

3-Pref: 大阪府立成人病センター、愛知県がんセンター、および東北大学医学部衛生学教室・公衆衛生学教室が大阪、愛知及び宮城で実施「3府県コホート研究」

JACC: 文部科学省科学研究費がん特定領域「ヒトがんの環境・宿主要因に関する疫学的研究」

Table 3. Smoking status and person-years according to cohort and sex.

## a. Number of participants according to smoking status

Cohort	Sex	Current smokers	Ex-smokers	Non-smokers	Ever-smokers	Total
JPHC-I	Male	12,589	5,428	5,461	18,017	23,478
	Female	2,090	656	23,815	2,746	26,561
JPHC-II	Male	15,383	7,246	6,938	22,629	29,567
	Female	2,435	502	30,238	2,937	33,175
3-Pref	Male	25,699	11,164	7,590	36,863	44,453
	Female	5,188	1,631	36,885	6,819	43,704
JACC	Male	22,556	11,241	8,731	33,797	42,528
	Female	3,004	925	49,441	3,929	53,370
Total	Male	76,227	35,079	28,720	111,306	140,026
	Female	12,717	3,714	140,379	16,431	156,810

## b. Smoking prevalence

Cohort	Sex	Current smokers	Ex-smokers	Non-smokers	Ever-smokers	Total
JPHC-I	Male	53.6%	23.1%	23.3%	76.7%	100.0%
	Female	7.9%	2.5%	89.7%	10.3%	100.0%
JPHC-II	Male	52.0%	24.5%	23.5%	76.5%	100.0%
	Female	7.3%	1.5%	91.1%	8.9%	100.0%
3-Pref	Male	57.8%	25.1%	17.1%	82.9%	100.0%
	Female	11.9%	3.7%	84.4%	15.6%	100.0%
JACC	Male	53.0%	26.4%	20.5%	79.5%	100.0%
	Female	5.6%	1.7%	92.6%	7.4%	100.0%
計	Male	54.4%	25.1%	20.5%	79.5%	100.0%
	Female	8.1%	2.4%	89.5%	10.5%	100.0%

## c. Person-years according to smoking status

Cohort	Sex	Current smokers	Ex-smokers	Non-smokers	Ever-smokers	Total
JPHC-I	Male	129,522	56,218	57,137	185,740	242,877
	Female	20,483	6,475	250,635	26,957	277,592
JPHC-II	Male	153,159	72,196	70,824	225,355	296,179
	Female	24,389	5,036	314,022	29,425	343,447
3-Pref	Male	215,139	91,972	64,645	307,111	371,756
	Female	42,931	13,258	321,170	56,190	377,360
JACC	Male	219,380	108,498	86,315	327,877	414,192
	Female	29,368	8,749	493,877	38,117	531,994
計	Male	717,200	328,883	278,921	1,046,083	1,325,004
	Female	117,172	33,517	1,379,703	150,689	1,530,392

JPHC-I, II: 厚生労働省がん研究助成金指定研究班「多目的コホートに基づくがん予防など健康の維持・増進に役立つエビデンスの構築に関する研究」コホートI, II

3-Pref: 大阪府立成人病センター、愛知県がんセンター、および東北大学医学部衛生学教室・公衆衛生学教室が大阪、愛知及び宮城で実施「3府県コホート研究」

JACC: 文部科学省科学研究費がん特定領域「ヒトがんの環境・宿主要因に関する疫学的研究」

Table 4. Cause-specific number of death and crude mortality according to smoking status, by cohort and sex.

Cause of death	Cohort	Sex	Number of death					Crude mortality (/100,000 person-years)				
			Current smokers	Ex-smokers	Non-smokers	Ever-smokers	Total	Current smokers	Ex-smokers	Non-smokers	Ever-smokers	Total
All-cause <sup>†</sup> 全死亡	JPHC-I	Male	845	286	250	1,131	1,381	652.4	508.7	437.5	608.9	568.6
		Female	70	18	625	88	713	341.8	278.0	249.4	326.4	256.9
	JPHC-II	Male	1,754	834	504	2,588	3,092	1145.2	1155.2	711.6	1148.4	1044.0
		Female	157	35	1,345	192	1,537	643.7	695.0	428.3	652.5	447.5
	3-Pref	Male	3,225	1,540	727	4,765	5,492	1499.0	1674.4	1124.6	1551.6	1477.3
		Female	531	218	2,596	749	3,345	1236.9	1644.3	808.3	1333.0	886.4
	JACC	Male	3,416	1,922	979	5,338	6,317	1557.1	1771.5	1134.2	1628.0	1525.1
		Female	327	138	3,358	465	3,823	1113.4	1577.4	679.9	1219.9	718.6
	Pooled	Male	9,240	4,582	2,460	13,822	16,282	1288.3	1393.2	882.0	1321.3	1228.8
		Female	1,085	409	7,924	1,494	9,418	926.0	1220.3	574.3	991.4	615.4
Causally-tobacco-related diseases in total 喫煙と因果関係がある疾患全体*	JPHC-I	Male	431	146	112	577	689	332.8	259.7	196.0	310.6	283.7
		Female	41	7	243	48	291	200.2	108.1	97.0	178.1	104.8
	JPHC-II	Male	980	457	241	1,437	1,678	639.9	633.0	340.3	637.7	566.5
		Female	77	18	581	95	676	315.7	357.4	185.0	322.9	196.8
	3-Pref	Male	1,684	784	353	2,468	2,821	782.7	852.4	546.1	803.6	758.8
		Female	243	92	1,057	335	1,392	566.0	693.9	329.1	596.2	368.9
	JACC	Male	2,020	1,116	504	3,136	3,640	920.8	1028.6	583.9	956.5	878.8
		Female	180	62	1,586	242	1,828	612.9	708.7	321.1	634.9	343.6
	Pooled	Male	5,115	2,503	1,210	7,618	8,828	713.2	761.1	433.8	728.2	666.3
		Female	541	179	3,467	720	4,187	461.7	534.1	251.3	477.8	273.6
All cancers 全がん	JPHC-I	Male	343	135	97	478	575	264.8	240.1	169.8	257.3	236.7
		Female	35	7	315	42	357	170.9	108.1	125.7	155.8	128.6
	JPHC-II	Male	780	363	190	1,143	1,333	509.3	502.8	268.3	507.2	450.1
		Female	49	15	598	64	662	200.9	297.9	190.4	217.5	192.8
	3-Pref	Male	1,319	559	237	1,878	2,115	613.1	607.8	366.6	611.5	568.9
		Female	173	67	852	240	1,092	403.0	505.4	265.3	427.1	289.4
	JACC	Male	1,415	756	311	2,171	2,482	645.0	696.8	360.3	662.1	599.2
		Female	110	44	1,210	154	1,364	374.6	502.9	245.0	404.0	256.4
	Pooled	Male	3,857	1,813	835	5,670	6,505	537.8	551.3	299.4	542.0	490.9
		Female	367	133	2,975	500	3,475	313.2	396.8	215.6	331.8	227.1
Causally-tobacco-related cancers in total 喫煙と因果関係があるがん*	JPHC-I	Male	260	92	59	352	411	200.7	163.6	103.3	189.5	169.2
		Female	22	1	139	23	162	107.4	15.4	55.5	85.3	58.4
	JPHC-II	Male	609	263	129	872	1,001	397.6	364.3	182.1	386.9	338.0
		Female	32	9	308	41	349	131.2	178.7	98.1	139.3	101.6
	3-Pref	Male	1,028	397	153	1,425	1,578	477.8	431.7	236.7	464.0	424.5
		Female	113	44	450	157	607	263.2	331.9	140.1	279.4	160.9
	JACC	Male	1,079	542	205	1,621	1,826	491.8	499.6	237.5	494.4	440.9
		Female	76	23	647	99	746	258.8	262.9	131.0	259.7	140.2
	Pooled	Male	2,976	1,294	546	4,270	4,816	414.9	393.5	195.8	408.2	363.5
		Female	243	77	1,544	320	1,864	207.4	229.7	111.9	212.4	121.8

Table 4. Cause-specific number of death and crude mortality according to smoking status, by cohort and sex. (continued)

Cause of death	Cohort	Sex	Number of death					Crude mortality (/100,000 person-years)				
			Current smokers	Ex-smokers	Non-smokers	Ever-smokers	Total	Current smokers	Ex-smokers	Non-smokers	Ever-smokers	Total
Cancer of lip, oral cavity, and pharynx 口唇・口腔・咽頭がん	JPHC-I	Male	6	2	1	8	9	4.6	3.6	1.8	4.3	3.7
		Female	0	0	1	0	1	0.0	0.0	0.4	0.0	0.4
	JPHC-II	Male	19	10	2	29	31	12.4	13.9	2.8	12.9	10.5
		Female	1	0	7	1	8	4.1	0.0	2.2	3.4	2.3
	3-Pref	Male	30	11	5	41	46	13.9	12.0	7.7	13.4	12.4
		Female	1	1	7	2	9	2.3	7.5	2.2	3.6	2.4
	JACC	Male	27	12	5	39	44	12.3	11.1	5.8	11.9	10.6
		Female	2	0	11	2	13	6.8	0.0	2.2	5.2	2.4
	Pooled	Male	82	35	13	117	130	11.4	10.6	4.7	11.2	9.8
		Female	4	1	26	5	31	3.4	3.0	1.9	3.3	2.0
Cancer of esophagus 食道がん	JPHC-I	Male	25	6	6	31	37	19.3	10.7	10.5	16.7	15.2
		Female	0	0	1	0	1	0.0	0.0	0.4	0.0	0.4
	JPHC-II	Male	38	25	7	63	70	24.8	34.6	9.9	28.0	23.6
		Female	0	1	3	1	4	0.0	19.9	1.0	3.4	1.2
	3-Pref	Male	82	19	7	101	108	38.1	20.7	10.8	32.9	29.1
		Female	3	2	13	5	18	7.0	15.1	4.0	8.9	4.8
	JACC	Male	67	30	6	97	103	30.5	27.7	7.0	29.6	24.9
		Female	2	1	17	3	20	6.8	11.4	3.4	7.9	3.8
	Pooled	Male	212	80	26	292	318	29.6	24.3	9.3	27.9	24.0
		Female	5	4	34	9	43	4.3	11.9	2.5	6.0	2.8
Cancer of stomach 胃がん	JPHC-I	Male	61	29	25	90	115	47.1	51.6	43.8	48.5	47.3
		Female	4	0	40	4	44	19.5	0.0	16.0	14.8	15.9
	JPHC-II	Male	133	59	35	192	227	86.8	81.7	49.4	85.2	76.6
		Female	6	0	78	6	84	24.6	0.0	24.8	20.4	24.5
	3-Pref	Male	247	117	58	364	422	114.8	127.2	89.7	118.5	113.5
		Female	28	15	163	43	206	65.2	113.1	50.8	76.5	54.6
	JACC	Male	269	167	82	436	518	122.6	153.9	95.0	133.0	125.1
		Female	9	6	207	15	222	30.6	68.6	41.9	39.4	41.7
	Pooled	Male	710	372	200	1,082	1,282	99.0	113.1	71.7	103.4	96.8
		Female	47	21	488	68	556	40.1	62.7	35.4	45.1	36.3
Cancer of small intestine 小腸がん	JPHC-I	Male	3	2	1	5	6	2.3	3.6	1.8	2.7	2.5
		Female	0	0	1	0	1	0.0	0.0	0.4	0.0	0.4
	JPHC-II	Male	3	0	0	3	3	2.0	0.0	0.0	1.3	1.0
		Female	0	0	3	0	3	0.0	0.0	1.0	0.0	0.9
	3-Pref	Male	6	1	0	7	7	2.8	1.1	0.0	2.3	1.9
		Female	0	0	2	0	2	0.0	0.0	0.6	0.0	0.5
	JACC	Male	4	4	1	8	9	1.8	3.7	1.2	2.4	2.2
		Female	0	0	5	0	5	0.0	0.0	1.0	0.0	0.9
	Pooled	Male	16	7	2	23	25	2.2	2.1	0.7	2.2	1.9
		Female	0	0	11	0	11	0.0	0.0	0.8	0.0	0.7
Cancer of colon 結腸がん	JPHC-I	Male	16	12	5	28	33	12.4	21.3	8.8	15.1	13.6
		Female	1	0	25	1	26	4.9	0.0	10.0	3.7	9.4
	JPHC-II	Male	35	19	11	54	65	22.9	26.3	15.5	24.0	21.9
		Female	2	2	50	4	54	8.2	39.7	15.9	13.6	15.7
	3-Pref	Male	72	47	19	119	138	33.5	51.1	29.4	38.7	37.1
		Female	7	2	84	9	93	16.3	15.1	26.2	16.0	24.6
	JACC	Male	59	44	22	103	125	26.9	40.6	25.5	31.4	30.2
		Female	3	4	113	7	120	10.2	45.7	22.9	18.4	22.6
	Pooled	Male	182	122	57	304	361	25.4	37.1	20.4	29.1	27.2
		Female	13	8	272	21	293	11.1	23.9	19.7	13.9	19.1
Cancer of rectosigmoid junction and rectum 直腸がん	JPHC-I	Male	18	5	3	23	26	13.9	8.9	5.3	12.4	10.7
		Female	3	1	25	4	29	14.6	15.4	10.0	14.8	10.4
	JPHC-II	Male	36	14	7	50	57	23.5	19.4	9.9	22.2	19.2
		Female	1	0	26	1	27	4.1	0.0	8.3	3.4	7.9
	3-Pref	Male	38	16	9	54	63	17.7	17.4	13.9	17.6	16.9
		Female	3	2	29	5	34	7.0	15.1	9.0	8.9	9.0
	JACC	Male	57	30	19	87	106	26.0	27.7	22.0	26.5	25.6
		Female	4	1	43	5	48	13.6	11.4	8.7	13.1	9.0
	Pooled	Male	149	65	38	214	252	20.8	19.8	13.6	20.5	19.0
		Female	11	4	123	15	138	9.4	11.9	8.9	10.0	9.0

Table 4. Cause-specific number of death and crude mortality according to smoking status, by cohort and sex. (continued)

Cause of death	Cohort	Sex	Number of death					Crude mortality (/100,000 person-years)				
			Current smokers	Ex-smokers	Non-smokers	Ever-smokers	Total	Current smokers	Ex-smokers	Non-smokers	Ever-smokers	Total
Cancer of liver, intrahepatic bile ducts 肝・肝内胆管がん	JPHC-I	Male	39	15	10	54	64	30.1	26.7	17.5	29.1	26.4
		Female	3	1	15	4	19	14.6	15.4	6.0	14.8	6.8
	JPHC-II	Male	127	68	36	195	231	82.9	94.2	50.8	86.5	78.0
		Female	6	2	75	8	83	24.6	39.7	23.9	27.2	24.2
	3-Pref	Male	210	87	33	297	330	97.6	94.6	51.0	96.7	88.8
		Female	11	5	64	16	80	25.6	37.7	19.9	28.5	21.2
	JACC	Male	165	111	45	276	321	75.2	102.3	52.1	84.2	77.5
		Female	14	1	98	15	113	47.7	11.4	19.8	39.4	21.2
	Pooled	Male	541	281	124	822	946	75.4	85.4	44.5	78.6	71.4
		Female	34	9	252	43	295	29.0	26.9	18.3	28.5	19.3
Cancer of gallbladder, other and unspecified parts of biliary tract 胆嚢・胆管がん	JPHC-I	Male	16	4	11	20	31	12.4	7.1	19.3	10.8	12.8
		Female	3	1	25	4	29	14.6	15.4	10.0	14.8	10.4
	JPHC-II	Male	25	14	9	39	48	16.3	19.4	12.7	17.3	16.2
		Female	2	1	37	3	40	8.2	19.9	11.8	10.2	11.6
	3-Pref	Male	32	22	12	54	66	14.9	23.9	18.6	17.6	17.8
		Female	11	1	68	12	80	25.6	7.5	21.2	21.4	21.2
	JACC	Male	60	44	20	104	124	27.3	40.6	23.2	31.7	29.9
		Female	11	2	101	13	114	37.5	22.9	20.5	34.1	21.4
	Pooled	Male	133	84	52	217	269	18.5	25.5	18.6	20.7	20.3
		Female	27	5	231	32	263	23.0	14.9	16.7	21.2	17.2
Cancer of pancreas 膵臓がん	JPHC-I	Male	25	9	7	34	41	19.3	16.0	12.3	18.3	16.9
		Female	1	0	22	1	23	4.9	0.0	8.8	3.7	8.3
	JPHC-II	Male	37	18	13	55	68	24.2	24.9	18.4	24.4	23.0
		Female	4	2	53	6	59	16.4	39.7	16.9	20.4	17.2
	3-Pref	Male	76	29	18	105	123	35.3	31.5	27.8	34.2	33.1
		Female	19	6	66	25	91	44.3	45.3	20.5	44.5	24.1
	JACC	Male	77	44	20	121	141	35.1	40.6	23.2	36.9	34.0
		Female	12	7	114	19	133	40.9	80.0	23.1	49.8	25.0
	Pooled	Male	215	100	58	315	373	30.0	30.4	20.8	30.1	28.2
		Female	36	15	255	51	306	30.7	44.8	18.5	33.8	20.0
Cancer of larynx 喉頭がん	JPHC-I	Male	3	0	0	3	3	2.3	0.0	0.0	1.6	1.2
		Female	0	0	0	0	0	0.0	0.0	0.0	0.0	0.0
	JPHC-II	Male	9	4	1	13	14	5.9	5.5	1.4	5.8	4.7
		Female	0	0	0	0	0	0.0	0.0	0.0	0.0	0.0
	3-Pref	Male	4	4	1	8	9	1.9	4.3	1.5	2.6	2.4
		Female	0	0	0	0	0	0.0	0.0	0.0	0.0	0.0
	JACC	Male	9	1	0	10	10	4.1	0.9	0.0	3.0	2.4
		Female	0	0	2	0	2	0.0	0.0	0.4	0.0	0.4
	Pooled	Male	25	9	2	34	36	3.5	2.7	0.7	3.3	2.7
		Female	0	0	2	0	2	0.0	0.0	0.1	0.0	0.1
Cancer of trachea, bronchus, and lung 気管・気管支・肺がん	JPHC-I	Male	88	28	8	116	124	67.9	49.8	14.0	62.5	51.1
		Female	11	0	35	11	46	53.7	0.0	14.0	40.8	16.6
	JPHC-II	Male	214	60	27	274	301	139.7	83.1	38.1	121.6	101.6
		Female	12	3	61	15	76	49.2	59.6	19.4	51.0	22.1
	3-Pref	Male	332	102	23	434	457	154.3	110.9	35.6	141.3	122.9
		Female	40	13	78	53	131	93.2	98.1	24.3	94.3	34.7
	JACC	Male	393	144	36	537	573	179.1	132.7	41.7	163.8	138.3
		Female	29	7	128	36	164	98.7	80.0	25.9	94.4	30.8
	Pooled	Male	1,027	334	94	1,361	1,455	143.2	101.6	33.7	130.1	109.8
		Female	92	23	302	115	417	78.5	68.6	21.9	76.3	27.2

Table 4. Cause-specific number of death and crude mortality according to smoking status, by cohort and sex. (continued)

Cause of death	Cohort	Sex	Number of death					Crude mortality (/100,000 person-years)				
			Current smokers	Ex-smokers	Non-smokers	Ever-smokers	Total	Current smokers	Ex-smokers	Non-smokers	Ever-smokers	Total
Cancer of breast 乳がん	JPHC-I	Female	4	1	38	5	43	19.5	15.4	15.2	18.5	15.5
	JPHC-II	Female	4	0	41	4	45	16.4	0.0	13.1	13.6	13.1
	3-Pref	Female	6	0	63	6	69	14.0	0.0	19.6	10.7	18.3
	JACC	Female	7	6	66	13	79	23.8	68.6	13.4	34.1	14.8
	Pooled	Female	21	7	208	28	236	17.9	20.9	15.1	18.6	15.4
Cancer of cervix uteri 子宮頸がん	JPHC-I	Female	3	0	9	3	12	14.6	0.0	3.6	11.1	4.3
	JPHC-II	Female	2	0	15	2	17	8.2	0.0	4.8	6.8	4.9
	3-Pref	Female	6	1	26	7	33	14.0	7.5	8.1	12.5	8.7
	JACC	Female	3	1	26	4	30	10.2	11.4	5.3	10.5	5.6
	Pooled	Female	14	2	76	16	92	11.9	6.0	5.5	10.6	6.0
Cancer of ovary 卵巣がん	JPHC-I	Female	1	0	17	1	18	4.9	0.0	6.8	3.7	6.5
	JPHC-II	Female	1	2	22	3	25	4.1	39.7	7.0	10.2	7.3
	3-Pref	Female	7	2	33	9	42	16.3	15.1	10.3	16.0	11.1
	JACC	Female	1	1	40	2	42	3.4	11.4	8.1	5.2	7.9
	Pooled	Female	10	5	112	15	127	8.5	14.9	8.1	10.0	8.3
Cancer of prostate 前立腺がん	JPHC-I	Male	5	1	3	6	9	3.9	1.8	5.3	3.2	3.7
	JPHC-II	Male	7	15	8	22	30	4.6	20.8	11.3	9.8	10.1
	3-Pref	Male	30	17	15	47	62	13.9	18.5	23.2	15.3	16.7
	JACC	Male	43	27	17	70	87	19.6	24.9	19.7	21.3	21.0
	Pooled	Male	85	60	43	145	188	11.9	18.2	15.4	13.9	14.2
Cancer of kidney except renal pelvis 腎盂を除く腎臓がん	JPHC-I	Male	4	0	2	4	6	3.1	0.0	3.5	2.2	2.5
		Female	0	0	3	0	3	0.0	0.0	1.2	0.0	1.1
	JPHC-II	Male	8	6	3	14	17	5.2	8.3	4.2	6.2	5.7
		Female	0	0	5	0	5	0.0	0.0	1.6	0.0	1.5
	3-Pref	Male	10	9	3	19	22	4.6	9.8	4.6	6.2	5.9
		Female	0	1	4	1	5	0.0	7.5	1.2	1.8	1.3
	JACC	Male	19	8	3	27	30	8.7	7.4	3.5	8.2	7.2
		Female	1	0	9	1	10	3.4	0.0	1.8	2.6	1.9
	Pooled	Male	41	23	11	64	75	5.7	7.0	3.9	6.1	5.7
	Female	1	1	21	2	23	0.9	3.0	1.5	1.3	1.5	



Table 4. Cause-specific number of death and crude mortality according to smoking status, by cohort and sex. (continued)

Cause of death	Cohort	Sex	Number of death					Crude mortality (/100,000 person-years)				
			Current smokers	Ex-smokers	Non-smokers	Ever-smokers	Total	Current smokers	Ex-smokers	Non-smokers	Ever-smokers	Total
Cancer of renal pelvis, ureter, bladder 腎盂・尿管・膀胱がん	JPHC-I	Male	5	1	0	6	6	3.9	1.8	0.0	3.2	2.5
		Female	0	0	5	0	5	0.0	0.0	2.0	0.0	1.8
	JPHC-II	Male	14	6	2	20	22	9.1	8.3	2.8	8.9	7.4
		Female	1	0	5	1	6	4.1	0.0	1.6	3.4	1.7
	3-Pref	Male	28	13	2	41	43	13.0	14.1	3.1	13.4	11.6
		Female	5	0	18	5	23	11.6	0.0	5.6	8.9	6.1
	JACC	Male	37	9	3	46	49	16.9	8.3	3.5	14.0	11.8
		Female	1	0	21	1	22	3.4	0.0	4.3	2.6	4.1
	Pooled	Male	84	29	7	113	120	11.7	8.8	2.5	10.8	9.1
		Female	7	0	49	7	56	6.0	0.0	3.6	4.6	3.7
Cancer of bladder 膀胱がん	JPHC-I	Male	3	1	0	4	4	2.3	1.8	0.0	2.2	1.6
		Female	0	0	4	0	4	0.0	0.0	1.6	0.0	1.4
	JPHC-II	Male	12	5	1	17	18	7.8	6.9	1.4	7.5	6.1
		Female	1	0	4	1	5	4.1	0.0	1.3	3.4	1.5
	3-Pref	Male	20	12	1	32	33	9.3	13.0	1.5	10.4	8.9
		Female	3	0	13	3	16	7.0	0.0	4.0	5.3	4.2
	JACC	Male	25	7	2	32	34	11.4	6.5	2.3	9.8	8.2
		Female	1	0	18	1	19	3.4	0.0	3.6	2.6	3.6
	Pooled	Male	60	25	4	85	89	8.4	7.6	1.4	8.1	6.7
		Female	5	0	39	5	44	4.3	0.0	2.8	3.3	2.9
Cancer of brain 悪性脳腫瘍	JPHC-I	Male	3	1	0	4	4	2.3	1.8	0.0	2.2	1.6
		Female	0	0	3	0	3	0.0	0.0	1.2	0.0	1.1
	JPHC-II	Male	3	2	2	5	7	2.0	2.8	2.8	2.2	2.4
		Female	0	0	7	0	7	0.0	0.0	2.2	0.0	2.0
	3-Pref	Male	6	1	4	7	11	2.8	1.1	6.2	2.3	3.0
		Female	1	2	6	3	9	2.3	15.1	1.9	5.3	2.4
	JACC	Male	3	4	2	7	9	1.4	3.7	2.3	2.1	2.2
		Female	0	0	6	0	6	0.0	0.0	1.2	0.0	1.1
	Pooled	Male	15	8	8	23	31	2.1	2.4	2.9	2.2	2.3
		Female	1	2	22	3	25	0.9	6.0	1.6	2.0	1.6
Myeloid leukemia 骨髄性白血病	JPHC-I	Male	4	2	0	6	6	3.1	3.6	0.0	3.2	2.5
		Female	0	0	8	0	8	0.0	0.0	3.2	0.0	2.9
	JPHC-II	Male	10	7	3	17	20	6.5	9.7	4.2	7.5	6.8
		Female	0	1	6	1	7	0.0	19.9	1.9	3.4	2.0
	3-Pref	Male	9	6	3	15	18	4.2	6.5	4.6	4.9	4.8
		Female	0	0	11	0	11	0.0	0.0	3.4	0.0	2.9
	JACC	Male	16	16	5	32	37	7.3	14.7	5.8	9.8	8.9
		Female	3	0	14	3	17	10.2	0.0	2.8	7.9	3.2
	Pooled	Male	39	31	11	70	81	5.4	9.4	3.9	6.7	6.1
		Female	3	1	39	4	43	2.6	3.0	2.8	2.7	2.8

Table 4. Cause-specific number of death and crude mortality according to smoking status, by cohort and sex. (continued)

Cause of death	Cohort	Sex	Number of death					Crude mortality (/100,000 person-years)				
			Current smokers	Ex-smokers	Non-smokers	Ever-smokers	Total	Current smokers	Ex-smokers	Non-smokers	Ever-smokers	Total
Cardiovascular diseases 全循環器疾患	JPHC-I	Male	213	66	63	279	342	164.5	117.4	110.3	150.2	140.8
		Female	22	7	133	29	162	107.4	108.1	53.1	107.6	58.4
	JPHC-II	Male	405	204	120	609	729	264.4	282.6	169.4	270.2	246.1
		Female	56	10	326	66	392	229.6	198.6	103.8	224.3	114.1
	3-Pref	Male	815	410	216	1,225	1,441	378.8	445.8	334.1	398.9	387.6
		Female	172	65	828	237	1,065	400.6	490.3	257.8	421.8	282.2
	JACC	Male	950	545	299	1,495	1,794	433.0	502.3	346.4	456.0	433.1
		Female	125	45	1,115	170	1,285	425.6	514.4	225.8	446.0	241.5
	Pooled	Male	2,383	1,225	698	3,608	4,306	332.3	372.5	250.2	344.9	325.0
		Female	375	127	2,402	502	2,904	320.0	378.9	174.1	333.1	189.8
Causally-tobacco-related cardiovascular diseases in total 喫煙と因果関係がある循環器疾患*	JPHC-I	Male	144	45	44	189	233	111.2	80.0	77.0	101.8	95.9
		Female	19	6	89	25	114	92.8	92.7	35.5	92.7	41.1
	JPHC-II	Male	286	139	80	425	505	186.7	192.5	113.0	188.6	170.5
		Female	41	8	219	49	268	168.1	158.9	69.7	166.5	78.0
	3-Pref	Male	475	254	138	729	867	220.8	276.2	213.5	237.4	233.2
		Female	107	40	484	147	631	249.2	301.7	150.7	261.6	167.2
	JACC	Male	661	376	198	1,037	1,235	301.3	346.6	229.4	316.3	298.2
		Female	82	28	726	110	836	279.2	320.1	147.0	288.6	157.1
	Pooled	Male	1,566	814	460	2,380	2,840	218.3	247.5	164.9	227.5	214.3
		Female	249	82	1,518	331	1,849	212.5	244.7	110.0	219.7	120.8
Ischemic heart diseases 虚血性心疾患	JPHC-I	Male	56	19	11	75	86	43.2	33.8	19.3	40.4	35.4
		Female	7	3	20	10	30	34.2	46.3	8.0	37.1	10.8
	JPHC-II	Male	128	53	27	181	208	83.6	73.4	38.1	80.3	70.2
		Female	12	3	66	15	81	49.2	59.6	21.0	51.0	23.6
	3-Pref	Male	172	90	38	262	300	79.9	97.9	58.8	85.3	80.7
		Female	37	15	114	52	166	86.2	113.1	35.5	92.5	44.0
	JACC	Male	234	136	42	370	412	106.7	125.3	48.7	112.8	99.5
		Female	30	9	175	39	214	102.2	102.9	35.4	102.3	40.2
	Pooled	Male	590	298	118	888	1,006	82.3	90.6	42.3	84.9	75.9
		Female	86	30	375	116	491	73.4	89.5	27.2	77.0	32.1
Total stroke 脳卒中	JPHC-I	Male	88	26	33	114	147	67.9	46.2	57.8	61.4	60.5
		Female	12	3	68	15	83	58.6	46.3	27.1	55.6	29.9
	JPHC-II	Male	150	84	53	234	287	97.9	116.3	74.8	103.8	96.9
		Female	29	5	153	34	187	118.9	99.3	48.7	115.5	54.4
	3-Pref	Male	296	161	100	457	557	137.6	175.1	154.7	148.8	149.8
		Female	69	25	365	94	459	160.7	188.6	113.6	167.3	121.6
	JACC	Male	409	235	152	644	796	186.4	216.6	176.1	196.4	192.2
		Female	50	17	548	67	615	170.3	194.3	111.0	175.8	115.6
	Pooled	Male	943	506	338	1,449	1,787	131.5	153.9	121.2	138.5	134.9
		Female	160	50	1,134	210	1,344	136.6	149.2	82.2	139.4	87.8
Subarachnoid hemorrhage くも膜下出血	JPHC-I	Male	19	6	6	25	31	14.7	10.7	10.5	13.5	12.8
		Female	4	0	27	4	31	19.5	0.0	10.8	14.8	11.2
	JPHC-II	Male	26	6	2	32	34	17.0	8.3	2.8	14.2	11.5
		Female	14	1	46	15	61	57.4	19.9	14.6	51.0	17.8
	3-Pref	Male	32	6	7	38	45	14.9	6.5	10.8	12.4	12.1
		Female	15	4	49	19	68	34.9	30.2	15.3	33.8	18.0
	JACC	Male	55	18	8	73	81	25.1	16.6	9.3	22.3	19.6
		Female	18	2	109	20	129	61.3	22.9	22.1	52.5	24.2
	Pooled	Male	132	36	23	168	191	18.4	10.9	8.2	16.1	14.4
		Female	51	7	231	58	289	43.5	20.9	16.7	38.5	18.9

Table 4. Cause-specific number of death and crude mortality according to smoking status, by cohort and sex. (continued)

Cause of death	Cohort	Sex	Number of death					Crude mortality (/100,000 person-years)				
			Current smokers	Ex-smokers	Non-smokers	Ever-smokers	Total	Current smokers	Ex-smokers	Non-smokers	Ever-smokers	Total
Intracerebral hemorrhage 脳内出血	JPHC-I	Male	44	11	17	55	72	34.0	19.6	29.8	29.6	29.6
		Female	6	3	27	9	36	29.3	46.3	10.8	33.4	13.0
	JPHC-II	Male	51	20	17	71	88	33.3	27.7	24.0	31.5	29.7
		Female	9	2	46	11	57	36.9	39.7	14.6	37.4	16.6
	3-Pref	Male	64	31	23	95	118	29.7	33.7	35.6	30.9	31.7
		Female	16	6	78	22	100	37.3	45.3	24.3	39.2	26.5
	JACC	Male	112	55	35	167	202	51.1	50.7	40.5	50.9	48.8
		Female	10	3	121	13	134	34.1	34.3	24.5	34.1	25.2
	Pooled	Male	271	117	92	388	480	37.8	35.6	33.0	37.1	36.2
		Female	41	14	272	55	327	35.0	41.8	19.7	36.5	21.4
Cerebral infarction 脳梗塞	JPHC-I	Male	12	3	6	15	21	9.3	5.3	10.5	8.1	8.6
		Female	2	0	6	2	8	9.8	0.0	2.4	7.4	2.9
	JPHC-II	Male	49	29	21	78	99	32.0	40.2	29.7	34.6	33.4
		Female	5	1	39	6	45	20.5	19.9	12.4	20.4	13.1
	3-Pref	Male	152	96	52	248	300	70.7	104.4	80.4	80.8	80.7
		Female	26	8	167	34	201	60.6	60.3	52.0	60.5	53.3
	JACC	Male	147	93	62	240	302	67.0	85.7	71.8	73.2	72.9
		Female	15	8	190	23	213	51.1	91.4	38.5	60.3	40.0
	Pooled	Male	360	221	141	581	722	50.2	67.2	50.6	55.5	54.5
		Female	48	17	402	65	467	41.0	50.7	29.1	43.1	30.5
Aortic aneurysm and dissection 大動脈瘤および解離	JPHC-I	Male	8	1	0	9	9	6.2	1.8	0.0	4.8	3.7
		Female	0	0	3	0	3	0.0	0.0	1.2	0.0	1.1
	JPHC-II	Male	16	12	2	28	30	10.4	16.6	2.8	12.4	10.1
		Female	2	0	7	2	9	8.2	0.0	2.2	6.8	2.6
	3-Pref	Male	19	8	1	27	28	8.8	8.7	1.5	8.8	7.5
		Female	3	1	13	4	17	7.0	7.5	4.0	7.1	4.5
	JACC	Male	45	19	7	64	71	20.5	17.5	8.1	19.5	17.1
		Female	4	4	26	8	34	13.6	45.7	5.3	21.0	6.4
	Pooled	Male	88	40	10	128	138	12.3	12.2	3.6	12.2	10.4
		Female	9	5	49	14	63	7.7	14.9	3.6	9.3	4.1
Abdominal aortic aneurysm 腹部大動脈瘤	JPHC-I	Male	0	0	0	0	0	0.0	0.0	0.0	0.0	0.0
		Female	0	0	1	0	1	0.0	0.0	0.4	0.0	0.4
	JPHC-II	Male	8	2	0	10	10	5.2	2.8	0.0	4.4	3.4
		Female	0	0	0	0	0	0.0	0.0	0.0	0.0	0.0
	3-Pref	Male	7	3	0	10	10	3.3	3.3	0.0	3.3	2.7
		Female	1	0	5	1	6	2.3	0.0	1.6	1.8	1.6
	JACC	Male	18	5	4	23	27	8.2	4.6	4.6	7.0	6.5
		Female	2	2	3	4	7	6.8	22.9	0.6	10.5	1.3
	Pooled	Male	33	10	4	43	47	4.6	3.0	1.4	4.1	3.5
		Female	3	2	9	5	14	2.6	6.0	0.7	3.3	0.9

Table 4. Cause-specific number of death and crude mortality according to smoking status, by cohort and sex. (continued)

Cause of death	Cohort	Sex	Number of death					Crude mortality (/100,000 person-years)				
			Current smokers	Ex-smokers	Non-smokers	Ever-smokers	Total	Current smokers	Ex-smokers	Non-smokers	Ever-smokers	Total
Respiratory system diseases 全呼吸器疾患	JPHC-I	Male	38	20	15	58	73	29.3	35.6	26.3	31.2	30.1
		Female	2	1	29	3	32	9.8	15.4	11.6	11.1	11.5
	JPHC-II	Male	117	90	45	207	252	76.4	124.7	63.5	91.9	85.1
		Female	6	1	86	7	93	24.6	19.9	27.4	23.8	27.1
	3-Pref	Male	224	176	77	400	477	104.1	191.4	119.1	130.2	128.3
		Female	32	10	168	42	210	74.5	75.4	52.3	74.7	55.6
	JACC	Male	383	274	128	657	785	174.6	252.5	148.3	200.4	189.5
		Female	35	13	298	48	346	119.2	148.6	60.3	125.9	65.0
	Pooled	Male	762	560	265	1,322	1,587	106.2	170.3	95.0	126.4	119.8
		Female	75	25	581	100	681	64.0	74.6	42.1	66.4	44.5
Causally-tobacco-related respiratory diseases in total 喫煙と因果関係がある呼吸器疾患*	JPHC-I	Male	25	9	9	34	43	19.3	16.0	15.8	18.3	17.7
		Female	0	0	15	0	15	0.0	0.0	6.0	0.0	5.4
	JPHC-II	Male	78	55	31	133	164	50.9	76.2	43.8	59.0	55.4
		Female	4	1	52	5	57	16.4	19.9	16.6	17.0	16.6
	3-Pref	Male	169	130	62	299	361	78.6	141.3	95.9	97.4	97.1
		Female	21	7	117	28	145	48.9	52.8	36.4	49.8	38.4
	JACC	Male	269	195	100	464	564	122.6	179.7	115.9	141.5	136.2
		Female	22	11	203	33	236	74.9	125.7	41.1	86.6	44.4
	Pooled	Male	541	389	202	930	1,132	75.4	118.3	72.4	88.9	85.4
		Female	47	19	387	66	453	40.1	56.7	28.0	43.8	29.6
Pneumonia 肺炎	JPHC-I	Male	19	8	9	27	36	14.7	14.2	15.8	14.5	14.8
		Female	0	0	15	0	15	0.0	0.0	6.0	0.0	5.4
	JPHC-II	Male	62	36	27	98	125	40.5	49.9	38.1	43.5	42.2
		Female	3	1	47	4	51	12.3	19.9	15.0	13.6	14.8
	3-Pref	Male	140	113	59	253	312	65.1	122.9	91.3	82.4	83.9
		Female	19	7	109	26	135	44.3	52.8	33.9	46.3	35.8
	JACC	Male	203	151	88	354	442	92.5	139.2	102.0	108.0	106.7
		Female	18	10	191	28	219	61.3	114.3	38.7	73.5	41.2
	Pooled	Male	424	308	183	732	915	59.1	93.7	65.6	70.0	69.1
		Female	40	18	362	58	420	34.1	53.7	26.2	38.5	27.4
Chronic obstructive pulmonary diseases 慢性閉塞性肺疾患 (COPD)	JPHC-I	Male	6	1	0	7	7	4.6	1.8	0.0	3.8	2.9
		Female	0	0	0	0	0	0.0	0.0	0.0	0.0	0.0
	JPHC-II	Male	16	19	4	35	39	10.4	26.3	5.6	15.5	13.2
		Female	1	0	5	1	6	4.1	0.0	1.6	3.4	1.7
	3-Pref	Male	29	17	3	46	49	13.5	18.5	4.6	15.0	13.2
		Female	2	0	8	2	10	4.7	0.0	2.5	3.6	2.6
	JACC	Male	66	44	12	110	122	30.1	40.6	13.9	33.5	29.5
		Female	4	1	12	5	17	13.6	11.4	2.4	13.1	3.2
	Pooled	Male	117	81	19	198	217	16.3	24.6	6.8	18.9	16.4
		Female	7	1	25	8	33	6.0	3.0	1.8	5.3	2.2
Asthma 喘息	JPHC-I	Male	2	3	0	5	5	1.5	5.3	0.0	2.7	2.1
		Female	1	0	3	1	4	4.9	0.0	1.2	3.7	1.4
	JPHC-II	Male	6	10	4	16	20	3.9	13.9	5.6	7.1	6.8
		Female	1	0	1	1	2	4.1	0.0	0.3	3.4	0.6
	3-Pref	Male	14	12	5	26	31	6.5	13.0	7.7	8.5	8.3
		Female	4	1	17	5	22	9.3	7.5	5.3	8.9	5.8
	JACC	Male	17	13	5	30	35	7.7	12.0	5.8	9.1	8.5
		Female	5	0	19	5	24	17.0	0.0	3.8	13.1	4.5
	Pooled	Male	39	38	14	77	91	5.4	11.6	5.0	7.4	6.9
		Female	11	1	40	12	52	9.4	3.0	2.9	8.0	3.4

Table 4. Cause-specific number of death and crude mortality according to smoking status, by cohort and sex. (continued)

Cause of death	Cohort	Sex	Number of death					Crude mortality (/100,000 person-years)				
			Current smokers	Ex-smokers	Non-smokers	Ever-smokers	Total	Current smokers	Ex-smokers	Non-smokers	Ever-smokers	Total
Digestive system diseases 全消化器疾患	JPHC-I	Male	46	10	9	56	65	35.5	17.8	15.8	30.1	26.8
		Female	3	0	15	3	18	14.6	0.0	6.0	11.1	6.5
	JPHC-II	Male	92	26	17	118	135	60.1	36.0	24.0	52.4	45.6
		Female	9	1	46	10	56	36.9	19.9	14.6	34.0	16.3
	3-Pref	Male	127	31	24	158	182	59.0	33.7	37.1	51.4	49.0
		Female	17	5	84	22	106	39.6	37.7	26.2	39.2	28.1
	JACC	Male	121	65	28	186	214	55.2	59.9	32.4	56.7	51.7
		Female	14	11	115	25	140	47.7	125.7	23.3	65.6	26.3
	Pooled	Male	386	132	78	518	596	53.8	40.1	28.0	49.5	45.0
		Female	43	17	260	60	320	36.7	50.7	18.8	39.8	20.9
Peptic ulcer 消化性潰瘍	JPHC-I	Male	2	0	0	2	2	1.5	0.0	0.0	1.1	0.8
		Female	0	0	0	0	0	0.0	0.0	0.0	0.0	0.0
	JPHC-II	Male	7	0	1	7	8	4.6	0.0	1.4	3.1	2.7
		Female	0	0	2	0	2	0.0	0.0	0.6	0.0	0.6
	3-Pref	Male	12	3	0	15	15	5.6	3.3	0.0	4.9	4.0
		Female	2	1	6	3	9	4.7	7.5	1.9	5.3	2.4
	JACC	Male	11	3	1	14	15	5.0	2.8	1.2	4.3	3.6
		Female	0	0	10	0	10	0.0	0.0	2.0	0.0	1.9
	Pooled	Male	32	6	2	38	40	4.5	1.8	0.7	3.6	3.0
		Female	2	1	18	3	21	1.7	3.0	1.3	2.0	1.4
Cirrhosis of liver 肝硬変	JPHC-I	Male	26	5	5	31	36	20.1	8.9	8.8	16.7	14.8
		Female	1	0	6	1	7	4.9	0.0	2.4	3.7	2.5
	JPHC-II	Male	42	7	6	49	55	27.4	9.7	8.5	21.7	18.6
		Female	3	1	21	4	25	12.3	19.9	6.7	13.6	7.3
	3-Pref	Male	55	11	12	66	78	25.6	12.0	18.6	21.5	21.0
		Female	8	2	34	10	44	18.6	15.1	10.6	17.8	11.7
	JACC	Male	46	32	11	78	89	21.0	29.5	12.7	23.8	21.5
		Female	5	5	37	10	47	17.0	57.2	7.5	26.2	8.8
	Pooled	Male	169	55	34	224	258	23.6	16.7	12.2	21.4	19.5
		Female	17	8	98	25	123	14.5	23.9	7.1	16.6	8.04

JPHC-I, II: 厚生労働省がん研究助成金指定研究班「多目的コホートに基づくがん予防など健康の維持・増進に役立つエビデンスの構築に関する研究」コホートI, II

3-Pref: 大阪府立成人病センター、愛知県がんセンター、および東北大学医学部衛生学教室・公衆衛生学教室が大阪、愛知及び宮城で実施「3府県コホート研究」

JACC: 文部科学省科学研究費がん特定領域「ヒトがんの環境・宿主要因に関する疫学的研究」

\* 喫煙と因果関係がある疾患: がん: 口唇・口腔・咽頭, 食道, 胃, 肝・肝内胆管, 膵, 喉頭, 気管・気管支・肺, 子宮頸部, 「腎盂を除く腎」, 腎盂・尿管・膀胱, 骨髄性白血病)、  
循環器疾患: 虚血性心疾患, 脳卒中, 腹大動脈瘤、呼吸器疾患: 肺炎, COPD、消化器疾患: 消化性潰瘍

Table 5. Cause-specific hazard ratio and population attributable fraction of smoking, by cohort and sex.

Cause of death	Cohort	Sex	Age-adjusted hazard ratio (vs. non-smokers) [95% confidence interval] §									Population attributable proportion * [95% confidence interval]								
			Current smokers			Ex-smokers			Ever-smokers			Current smokers			Ex-smokers			Ever-smokers†		
			Hazard Ratio	95% CI	95% CI	Hazard Ratio	95% CI	95% CI	Hazard Ratio	95% CI	95% CI	Population Attributable Fraction	95% CI	95% CI	Population Attributable Fraction	95% CI	95% CI	Population Attributable Fraction	95% CI	95% CI
All causes 全死亡	JPHC-I	Male	1.57	[1.37; 1.81]	1.09	[0.92; 1.29]	1.41	[1.23; 1.62]	22.3%	[15.8%; 28.3%]	1.7%	[-1.7%; 5.0%]	24.0%	[15.0%; 32.0%]						
		Female	1.60	[1.25; 2.05]	1.27	[0.79; 2.03]	1.52	[1.21; 1.90]	3.7%	[1.3%; 8.0%]	0.5%	[-0.6%; 1.7%]	4.2%	[1.5%; 6.8%]						
	JPHC-II	Male	1.77	[1.60; 1.96]	1.31	[1.17; 1.47]	1.59	[1.45; 1.75]	24.7%	[20.8%; 28.4%]	6.4%	[3.8%; 8.9%]	31.2%	[25.5%; 36.5%]						
		Female	1.99	[1.68; 2.35]	1.71	[1.22; 2.39]	1.93	[1.66; 2.25]	5.1%	[3.5%; 6.7%]	0.9%	[0.2%; 1.7%]	6.0%	[4.2%; 7.8%]						
	3-Pref	Male	1.55	[1.43; 1.68]	1.28	[1.17; 1.40]	1.45	[1.34; 1.57]	20.8%	[17.4%; 24.1%]	6.1%	[4.0%; 8.2%]	26.9%	[21.7%; 31.7%]						
		Female	1.48	[1.35; 1.62]	1.44	[1.26; 1.66]	1.47	[1.35; 1.59]	5.1%	[3.7%; 6.5%]	2.0%	[1.1%; 2.9%]	7.1%	[5.4%; 8.8%]						
	JACC	Male	1.61	[1.50; 1.73]	1.27	[1.18; 1.37]	1.47	[1.37; 1.57]	20.6%	[17.8%; 23.2%]	6.5%	[4.4%; 8.5%]	27.0%	[22.6%; 31.0%]						
		Female	1.72	[1.54; 1.93]	1.71	[1.44; 2.03]	1.72	[1.56; 1.89]	3.6%	[2.7%; 4.5%]	1.5%	[0.9%; 2.1%]	5.1%	[4.0%; 6.2%]						
	Pooled	Male	1.63	[1.56; 1.70]	1.27	[1.21; 1.33]	1.49	[1.43; 1.55]	21.9%	[20.1%; 23.7%]	5.9%	[4.7%; 7.1%]	27.8%	[25.2%; 30.4%]						
		Female	1.76	[1.65; 1.87]	1.88	[1.52; 1.86]	1.73	[1.64; 1.83]	5.0%	[4.3%; 5.6%]	1.8%	[1.3%; 2.2%]	6.7%	[5.9%; 7.5%]						
		Both §							15.7%	[14.2%; 17.2%]	4.4%	[3.6%; 5.2%]	20.1%	[17.8%; 22.4%]						
	All causes 全死亡	Pooled†	Male						14.7%	[12.9%; 16.4%]	4.4%	[3.5%; 5.3%]	19.1%	[16.0%; 22.2%]						
Female								2.9%	[2.3%; 3.4%]	0.8%	[0.5%; 1.0%]	3.6%	[3.0%; 4.2%]							
Both §								10.3%	[9.2%; 11.5%]	3.1%	[2.5%; 3.7%]	13.4%	[11.4%; 15.4%]							
Causally-tobacco- related diseases in total 喫煙と因果関係 がある疾患全体	JPHC-I	Male	1.80	[1.46; 2.21]	1.22	[0.95; 1.56]	1.60	[1.31; 1.96]	27.7%	[18.7%; 37.7%]	3.8%	[-1.0%; 8.4%]	31.5%	[18.9%; 42.2%]						
		Female	2.43	[1.75; 3.40]	1.28	[0.60; 2.71]	2.15	[1.57; 2.93]	8.3%	[3.9%; 12.5%]	0.5%	[-1.3%; 2.3%]	8.8%	[4.0%; 13.4%]						
	JPHC-II	Male	2.08	[1.81; 2.40]	1.46	[1.25; 1.71]	1.84	[1.60; 2.11]	30.3%	[25.3%; 35.1%]	8.6%	[5.1%; 12.0%]	39.1%	[31.5%; 45.8%]						
		Female	2.34	[1.85; 2.98]	2.03	[1.27; 3.25]	2.28	[1.83; 2.83]	6.5%	[4.0%; 9.0%]	1.4%	[0.1%; 2.6%]	7.9%	[5.0%; 10.6%]						
	3-Pref	Male	1.68	[1.50; 1.89]	1.34	[1.18; 1.52]	1.55	[1.39; 1.74]	24.2%	[19.4%; 28.6%]	7.1%	[4.1%; 9.9%]	31.2%	[24.1%; 37.6%]						
		Female	1.66	[1.45; 1.91]	1.48	[1.19; 1.83]	1.61	[1.42; 1.82]	6.9%	[4.7%; 9.2%]	2.1%	[0.8%; 3.5%]	9.1%	[6.4%; 11.7%]						
	JACC	Male	1.87	[1.70; 2.07]	1.43	[1.29; 1.59]	1.68	[1.53; 1.85]	25.9%	[22.3%; 29.2%]	9.2%	[6.6%; 11.8%]	35.0%	[29.5%; 40.0%]						
		Female	2.01	[1.72; 2.34]	1.60	[1.24; 2.06]	1.88	[1.65; 2.16]	4.9%	[3.5%; 6.4%]	1.3%	[0.4%; 2.1%]	6.2%	[4.5%; 7.9%]						
	Pooled	Male	1.85	[1.74; 1.97]	1.40	[1.30; 1.50]	1.67	[1.57; 1.78]	26.7%	[24.3%; 28.9%]	8.0%	[6.4%; 9.6%]	34.7%	[31.2%; 38.0%]						
		Female	2.00	[1.83; 2.19]	1.65	[1.42; 1.91]	1.90	[1.75; 2.06]	6.5%	[5.4%; 7.5%]	1.7%	[1.0%; 2.3%]	8.1%	[6.9%; 9.4%]						
		Both §							23.5%	[20.6%; 26.4%]	5.2%	[-0.3%; 10.4%]	28.8%	[24.6%; 40.6%]						
	All cancers 全がん	JPHC-I	Male	1.65	[1.32; 2.07]	1.29	[0.99; 1.67]	1.53	[1.23; 1.90]	23.5%	[13.6%; 32.4%]	5.2%	[-0.3%; 10.4%]	28.8%	[14.6%; 40.6%]					
Female			1.58	[1.11; 2.24]	0.98	[0.46; 2.07]	1.43	[1.04; 1.98]	3.6%	[0.2%; 6.8%]	0.0%	[-1.5%; 1.4%]	3.5%	[-0.2%; 7.1%]						
JPHC-II		Male	2.10	[1.79; 2.46]	1.48	[1.24; 1.76]	1.85	[1.59; 2.16]	30.6%	[24.9%; 35.5%]	8.8%	[4.9%; 12.5%]	39.5%	[31.0%; 47.0%]						
		Female	1.34	[1.00; 1.79]	1.64	[0.99; 2.75]	1.40	[1.08; 1.81]	1.9%	[-0.3%; 4.0%]	0.9%	[-0.3%; 2.0%]	2.8%	[0.3%; 5.2%]						
3-Pref		Male	1.87	[1.63; 2.15]	1.43	[1.23; 1.67]	1.71	[1.49; 1.96]	29.0%	[23.5%; 34.1%]	8.0%	[4.7%; 11.1%]	36.9%	[28.8%; 44.0%]						
		Female	1.48	[1.25; 1.74]	1.46	[1.14; 1.87]	1.47	[1.28; 1.70]	5.1%	[2.6%; 7.5%]	1.9%	[0.4%; 3.4%]	7.0%	[4.1%; 9.9%]						
JACC		Male	2.04	[1.80; 2.30]	1.60	[1.40; 1.83]	1.86	[1.65; 2.09]	29.0%	[24.7%; 33.0%]	11.4%	[8.4%; 14.4%]	40.4%	[33.8%; 46.2%]						
		Female	1.61	[1.33; 1.96]	1.63	[1.21; 2.21]	1.62	[1.37; 1.91]	3.1%	[1.5%; 4.6%]	1.3%	[0.3%; 2.2%]	4.3%	[2.5%; 6.1%]						
Pooled		Male	1.97	[1.83; 2.13]	1.50	[1.38; 1.63]	1.79	[1.67; 1.93]	29.3%	[26.5%; 31.9%]	9.3%	[7.5%; 11.1%]	38.6%	[34.5%; 42.3%]						
		Female	1.57	[1.41; 1.75]	1.57	[1.32; 1.87]	1.57	[1.43; 1.73]	3.8%	[2.7%; 4.9%]	1.4%	[0.7%; 2.0%]	5.2%	[3.9%; 6.5%]						
		Both §							20.4%	[17.9%; 22.9%]	6.6%	[5.2%; 7.9%]	27.0%	[22.8%; 31.1%]						
All cancers 全がん		Pooled†	Male						26.0%	[22.5%; 29.5%]	7.8%	[6.2%; 9.5%]	33.8%	[27.5%; 40.2%]						
	Female							3.5%	[2.6%; 4.5%]	1.0%	[0.5%; 1.5%]	4.4%	[3.3%; 5.5%]							
	Both §							18.2%	[15.9%; 20.5%]	5.5%	[4.4%; 6.5%]	23.6%	[19.4%; 27.8%]							
Causally-tobacco- related cancers in total 喫煙と因果関係が あるがん	JPHC-I	Male	2.06	[1.55; 2.73]	1.45	[1.05; 2.01]	1.86	[1.41; 2.45]	32.5%	[21.1%; 42.3%]	7.0%	[0.8%; 12.8%]	39.5%	[23.4%; 52.2%]						
		Female	2.32	[1.48; 3.64]	0.32	[0.05; 2.31]	1.82	[1.17; 2.84]	7.7%	[1.9%; 13.2%]	-1.3%	[-2.5%; -0.1%]	6.4%	[0.4%; 12.1%]						
	JPHC-II	Male	2.41	[1.99; 2.92]	1.58	[1.28; 1.95]	2.09	[1.73; 2.51]	35.6%	[29.2%; 41.4%]	9.7%	[5.3%; 13.8%]	45.4%	[35.8%; 53.5%]						
		Female	1.75	[1.22; 2.53]	1.92	[0.99; 3.72]	1.79	[1.29; 2.48]	3.9%	[0.7%; 7.1%]	1.2%	[-0.5%; 2.9%]	5.2%	[1.5%; 8.7%]						
	3-Pref	Male	2.25	[1.90; 2.66]	1.57	[1.31; 1.90]	2.00	[1.70; 2.37]	36.2%	[30.1%; 41.7%]	9.2%	[5.6%; 12.6%]	45.2%	[36.3%; 52.9%]						
		Female	1.82	[1.48; 2.24]	1.77	[1.30; 2.42]	1.81	[1.51; 2.17]	8.4%	[4.8%; 11.8%]	3.2%	[1.0%; 5.3%]	11.6%	[7.3%; 15.6%]						
	JACC	Male	2.34	[2.01; 2.72]	1.75	[1.49; 2.05]	2.10	[1.81; 2.43]	33.8%	[28.9%; 38.4%]	12.7%	[9.3%; 16.0%]	46.5%	[39.1%; 52.9%]						
		Female	2.08	[1.64; 2.64]	1.56	[1.03; 2.37]	1.93	[1.57; 2.39]	5.3%	[3.0%; 7.6%]	1.1%	[-0.2%; 2.4%]	6.4%	[3.7%; 9.0%]						
	Pooled	Male	2.32	[2.12; 2.54]	1.64	[1.49; 1.82]	2.06	[1.89; 2.26]	35.2%	[32.1%; 38.1%]	10.5%	[8.5%; 12.5%]	45.7%	[41.2%; 49.8%]						
		Female	2.01	[1.76; 2.30]	1.70	[1.35; 2.14]	1.93	[1.71; 2.17]	6.5%	[4.9%; 8.2%]	1.7%	[0.8%; 2.6%]	8.3%	[6.3%; 10.1%]						

Table 5. Cause-specific hazard ratio and population attributable fraction of smoking, by cohort and sex. (continued)

Cause of death	Cohort	Sex	Age-adjusted hazard ratio (vs. non-smokers) [95% confidence interval]s						Population attributable proportion * [95% confidence interval]						
			Current smokers		Ex-smokers		Ever-smokers		Current smokers		Ex-smokers		Ever-smokers†		
Cancer of lip, oral cavity, and pharynx 口唇・口腔・咽頭がん	JPHC-I	Male	2.77	[0.33; 23.05]	1.74	[0.16; 19.31]	2.42	[0.30; 19.38]	42.6%	[-79.7%; 81.7%]	9.5%	[-39.6%; 41.3%]	52.2%	[-203.8%; 92.5%]	
		Female	-	-	-	-	-	-	-	-	-	-	-	-	
	JPHC-II	Male	4.87	[1.13; 20.90]	4.03	[0.88; 18.47]	4.55	[1.08; 19.06]	48.7%	[11.9%; 70.1%]	24.3%	[-0.2%; 42.8%]	73.0%	[-3.3%; 92.9%]	
		Female	2.80	[0.34; 22.82]	-	-	2.15	[0.26; 17.48]	8.0%	[-19.5%; 29.2%]	-	-	6.7%	[-21.3%; 28.2%]	
	3-Pref	Male	1.92	[0.74; 4.95]	1.37	[0.48; 3.94]	1.73	[0.68; 4.38]	31.2%	[-17.4%; 59.7%]	6.4%	[-16.8%; 25.1%]	37.6%	[-42.8%; 72.7%]	
		Female	1.05	[0.13; 8.57]	2.77	[0.34; 22.75]	1.52	[0.32; 7.35]	0.6%	[-25.5%; 21.2%]	7.1%	[-17.1%; 26.3%]	7.6%	[-31.0%; 34.9%]	
	JACC	Male	2.42	[0.93; 6.30]	1.57	[0.55; 4.45]	2.07	[0.82; 5.25]	36.0%	[-2.7%; 60.2%]	9.9%	[-14.4%; 29.0%]	45.8%	[-23.7%; 78.3%]	
		Female	3.21	[0.71; 14.49]	-	-	2.22	[0.49; 10.05]	10.6%	[-12.7%; 29.1%]	-	-	8.5%	[-15.4%; 27.4%]	
	Pooled	Male	2.66	[1.48; 4.77]	1.89	[1.00; 3.58]	2.37	[1.34; 4.20]	39.3%	[19.0%; 54.6%]	12.7%	[0.3%; 23.6%]	52.0%	[19.6%; 71.4%]	
		Female	1.97	[0.69; 5.65]	1.23	[0.17; 9.12]	1.76	[0.68; 4.59]	6.4%	[-7.2%; 18.2%]	0.6%	[-6.0%; 6.8%]	7.0%	[-8.6%; 20.3%]	
	Cancer of esophagus 食道がん	JPHC-I	Male	1.95	[0.80; 4.76]	0.92	[0.30; 2.87]	1.61	[0.67; 3.85]	32.9%	[-16.1%; 61.3%]	-1.3%	[-22.4%; 16.1%]	31.7%	[-42.2%; 67.2%]
			Female	-	-	-	-	-	-	-	-	-	-	-	-
JPHC-II		Male	2.75	[1.23; 6.16]	2.88	[1.24; 6.68]	2.80	[1.28; 6.11]	34.5%	[9.6%; 52.6%]	23.3%	[5.7%; 37.6%]	57.9%	[14.9%; 79.1%]	
		Female	-	-	20.61	[2.14; 198.15]	5.13	[0.53; 49.34]	-	-	23.8%	[-34.2%; 56.7%]	20.1%	[-40.6%; 54.6%]	
3-Pref		Male	3.75	[1.73; 8.12]	1.68	[0.71; 4.00]	3.04	[1.41; 6.54]	55.7%	[31.0%; 71.5%]	7.1%	[-4.6%; 17.5%]	62.8%	[23.8%; 81.8%]	
		Female	1.66	[0.47; 5.83]	2.48	[0.56; 11.00]	1.91	[0.68; 5.37]	6.6%	[-14.9%; 24.1%]	6.6%	[-10.0%; 20.7%]	13.3%	[-15.5%; 34.9%]	
JACC		Male	4.74	[2.05; 10.93]	3.41	[1.42; 8.20]	4.23	[1.85; 9.64]	51.3%	[32.0%; 65.2%]	20.6%	[7.8%; 31.6%]	71.9%	[38.9%; 87.1%]	
		Female	2.13	[0.49; 9.22]	2.55	[0.34; 19.23]	2.25	[0.66; 7.70]	5.3%	[-9.6%; 18.2%]	3.0%	[-7.2%; 12.3%]	8.3%	[-10.2%; 23.8%]	
Pooled		Male	3.39	[2.25; 5.09]	2.22	[1.43; 3.46]	2.96	[1.98; 4.42]	47.0%	[35.3%; 56.5%]	13.8%	[6.7%; 20.4%]	60.8%	[43.4%; 72.9%]	
		Female	1.90	[0.74; 4.86]	3.59	[1.27; 10.16]	2.40	[1.15; 5.02]	5.5%	[-5.3%; 15.2%]	6.7%	[-2.7%; 15.2%]	12.2%	[-2.4%; 24.7%]	
Cancer of stomach 胃がん		JPHC-I	Male	1.14	[0.71; 1.81]	1.09	[0.64; 1.86]	1.12	[0.72; 1.75]	6.3%	[-19.2%; 26.4%]	2.1%	[-11.7%; 14.2%]	8.4%	[-29.6%; 35.3%]
			Female	1.38	[0.49; 3.88]	-	-	1.05	[0.37; 2.93]	2.5%	[-7.1%; 11.2%]	-	-	0.4%	[-9.4%; 9.3%]
	JPHC-II	Male	1.93	[1.33; 2.81]	1.30	[0.85; 1.98]	1.69	[1.18; 2.42]	28.3%	[13.3%; 40.7%]	6.0%	[-3.9%; 14.9%]	34.4%	[11.1%; 51.7%]	
		Female	1.20	[0.52; 2.76]	-	-	0.97	[0.42; 2.22]	1.2%	[-4.9%; 6.9%]	-	-	-0.2%	[-6.4%; 5.5%]	
	3-Pref	Male	1.43	[1.07; 1.90]	1.22	[0.89; 1.69]	1.36	[1.03; 1.79]	17.6%	[3.8%; 29.4%]	5.1%	[-2.9%; 12.5%]	22.6%	[1.7%; 39.1%]	
		Female	1.25	[0.83; 1.86]	1.69	[1.00; 2.88]	1.37	[0.98; 1.92]	2.7%	[-2.8%; 7.8%]	3.0%	[-0.8%; 6.6%]	5.7%	[-1.2%; 12.1%]	
	JACC	Male	1.46	[1.14; 1.87]	1.34	[1.03; 1.75]	1.41	[1.12; 1.79]	16.4%	[6.0%; 25.7%]	8.2%	[0.8%; 15.0%]	24.6%	[8.0%; 38.2%]	
		Female	0.76	[0.38; 1.49]	1.26	[0.56; 2.85]	0.91	[0.54; 1.53]	-1.3%	[-4.0%; 1.5%]	0.6%	[-1.6%; 2.7%]	-0.7%	[-4.3%; 2.8%]	
	Pooled	Male	1.51	[1.29; 1.77]	1.28	[1.09; 1.52]	1.42	[1.22; 1.66]	18.8%	[12.1%; 24.9%]	6.4%	[2.0%; 10.6%]	25.1%	[15.0%; 34.1%]	
		Female	1.22	[0.90; 1.64]	1.47	[0.95; 2.27]	1.29	[1.00; 1.66]	1.5%	[-1.0%; 4.0%]	1.2%	[-0.4%; 2.8%]	2.7%	[-0.4%; 5.7%]	
	Cancer of small intestine 小腸がん	JPHC-I	Male	1.37	[0.14; 13.22]	1.75	[0.16; 19.38]	1.50	[0.18; 12.87]	13.6%	[-146.0%; 69.7%]	14.2%	[-69.5%; 56.6%]	27.8%	[-332.5%; 88.0%]
			Female	-	-	-	-	-	-	-	-	-	-	-	-
JPHC-II		Male	-	-	-	-	-	-	-	-	-	-	-	-	
		Female	-	-	-	-	-	-	-	-	-	-	-	-	
3-Pref		Male	-	-	-	-	-	-	-	-	-	-	-	-	
		Female	-	-	-	-	-	-	-	-	-	-	-	-	
JACC		Male	1.82	[0.20; 16.40]	2.64	[0.29; 23.66]	2.16	[0.27; 17.30]	20.1%	[-76.8%; 63.8%]	27.6%	[-47.6%; 64.5%]	47.8%	[-231.6%; 91.8%]	
		Female	-	-	-	-	-	-	-	-	-	-	-	-	
Pooled		Male	3.31	[0.76; 14.38]	2.52	[0.52; 12.18]	3.02	[0.71; 12.81]	44.6%	[-8.8%; 71.8%]	16.9%	[-12.2%; 38.5%]	61.5%	[-45.3%; 89.8%]	
		Female	-	-	-	-	-	-	-	-	-	-	-	-	
Cancer of colon 結腸がん		JPHC-I	Male	1.49	[0.54; 4.06]	2.13	[0.75; 6.05]	1.71	[0.66; 4.42]	15.9%	[-30.2%; 45.7%]	19.3%	[-9.5%; 40.5%]	35.1%	[-45.6%; 71.1%]
			Female	0.49	[0.07; 3.66]	-	-	0.37	[0.05; 2.78]	-4.0%	[-12.3%; 3.8%]	-	-	-6.4%	[-15.0%; 1.5%]
	JPHC-II	Male	1.64	[0.83; 3.23]	1.25	[0.59; 2.63]	1.48	[0.77; 2.83]	21.0%	[-9.6%; 43.1%]	5.8%	[-15.4%; 23.1%]	26.9%	[-25.3%; 57.4%]	
		Female	0.64	[0.15; 2.63]	2.61	[0.63; 10.73]	1.03	[0.37; 2.86]	-2.1%	[-7.6%; 3.1%]	2.3%	[-3.0%; 7.3%]	0.2%	[-7.6%; 7.5%]	
	3-Pref	Male	1.28	[0.76; 2.09]	1.52	[0.89; 2.58]	1.35	[0.83; 2.20]	10.8%	[-14.3%; 30.4%]	11.6%	[-3.5%; 24.4%]	22.5%	[-17.7%; 49.0%]	
		Female	0.61	[0.28; 1.31]	0.42	[0.10; 1.72]	0.55	[0.28; 1.10]	-4.9%	[-11.2%; 1.0%]	-2.9%	[-6.1%; 0.2%]	-7.8%	[-15.3%; -0.9%]	
	JACC	Male	1.20	[0.73; 1.96]	1.31	[0.79; 2.19]	1.25	[0.79; 1.97]	7.8%	[-15.0%; 26.1%]	8.4%	[-8.2%; 22.4%]	16.2%	[-22.4%; 42.7%]	
		Female	0.47	[0.15; 1.49]	1.54	[0.57; 4.18]	0.78	[0.36; 1.68]	-2.8%	[-5.8%; 0.1%]	1.2%	[-2.2%; 4.4%]	-1.6%	[-6.3%; 2.8%]	
	Pooled	Male	1.37	[1.02; 1.84]	1.48	[1.08; 2.02]	1.41	[1.06; 1.87]	13.6%	[0.8%; 24.8%]	10.9%	[2.1%; 18.9%]	24.5%	[4.2%; 40.5%]	
		Female	0.61	[0.35; 1.06]	1.00	[0.49; 2.02]	0.72	[0.46; 1.12]	-2.8%	[-5.4%; -0.3%]	0.0%	[-1.9%; 1.9%]	-2.8%	[-6.2%; 0.4%]	
	Cancer of rectosigmoid junction and rectum 直腸がん	JPHC-I	Male	2.76	[0.81; 9.37]	1.63	[0.39; 6.83]	2.40	[0.72; 7.99]	44.2%	[-12.8%; 72.3%]	7.4%	[-16.5%; 26.5%]	51.6%	[-40.4%; 83.3%]
			Female	1.69	[0.51; 5.62]	1.74	[0.24; 12.85]	1.70	[0.59; 4.91]	4.2%	[-8.4%; 15.4%]	1.5%	[-5.6%; 8.0%]	5.7%	[-9.1%; 18.5%]
JPHC-II		Male	2.59	[1.15; 5.83]	1.56	[0.63; 3.88]	2.20	[1.00; 4.84]	38.8%	[7.2%; 59.7%]	8.8%	[-10.2%; 24.5%]	47.8%	[-4.6%; 73.9%]	
		Female	0.64	[0.09; 4.72]	-	-	0.51	[0.07; 3.77]	-2.1%	[-10.0%; 5.2%]	-	-	-3.6%	[-11.5%; 3.9%]	
3-Pref		Male	1.40	[0.68; 2.91]	1.08	[0.48; 2.44]	1.29	[0.64; 2.61]	17.4%	[-24.4%; 45.1%]	1.8%	[-20.1%; 19.8%]	19.1%	[-48.2%; 55.8%]	
		Female	0.75	[0.23; 2.46]	1.30	[0.31; 5.47]	0.90	[0.35; 2.33]	-3.0%	[-14.4%; 7.3%]	1.4%	[-7.3%; 9.3%]	-1.6%	[-16.9%; 11.6%]	
JACC		Male	1.30	[0.77; 2.19]	1.07	[0.60; 1.90]	1.21	[0.74; 1.99]	12.5%	[-14.0%; 32.9%]	1.8%	[-15.2%; 16.3%]	14.3%	[-28.8%; 43.0%]	
		Female	1.65	[0.59; 4.60]	1.09	[0.15; 7.94]	1.50	[0.59; 3.78]	3.3%	[-5.3%; 11.2%]	0.2%	[-4.0%; 4.2%]	3.5%	[-6.3%; 12.3%]	
Pooled		Male	1.65	[1.16; 2.36]	1.21	[0.81; 1.81]	1.49	[1.05; 2.10]	23.3%	[7.3%; 36.6%]	4.5%	[-5.2%; 13.3%]	27.8%	[3.3%; 46.2%]	
		Female	1.14	[0.61; 2.11]	1.21	[0.45; 3.29]	1.16	[0.68; 1.98]	1.0%	[-4.0%; 5.7%]	0.5%	[-2.4%; 3.3%]	1.5%	[-4.4%; 7.1%]	

Table 5. Cause-specific hazard ratio and population attributable fraction of smoking, by cohort and sex. (continued)

Cause of death	Cohort	Sex	Age-adjusted hazard ratio (vs. non-smokers) [95% confidence interval] †						Population attributable proportion * [95% confidence interval]					
			Current smokers		Ex-smokers		Ever-smokers		Current smokers		Ex-smokers		Ever-smokers ‡	
			HR	95% CI	HR	95% CI	HR	95% CI	PAF	95% CI	PAF	95% CI	PAF	95% CI
Cancer of liver, intrahepatic bile ducts 肝・肝内胆管がん	JPHC-I	Male	1.81	[0.91; 3.64]	1.40	[0.63; 3.13]	1.68	[0.85; 3.30]	27.4%	[-6.0%; 50.2%]	6.7%	[-10.3%; 21.2%]	34.1%	[-18.4%; 62.7%]
		Female	3.09	[0.89; 10.72]	3.06	[0.40; 23.15]	3.08	[1.02; 9.32]	10.7%	[-8.6%; 26.5%]	3.5%	[-7.3%; 13.2%]	14.2%	[-8.2%; 32.0%]
	JPHC-II	Male	1.79	[1.24; 2.59]	1.53	[1.02; 2.30]	1.69	[1.18; 2.41]	24.2%	[9.4%; 36.6%]	10.2%	[0.4%; 19.1%]	34.5%	[11.5%; 51.5%]
		Female	1.42	[0.82; 3.28]	1.76	[0.43; 7.16]	1.50	[0.72; 3.11]	2.2%	[-3.9%; 7.9%]	1.0%	[-2.4%; 4.3%]	3.2%	[-3.9%; 9.8%]
	3-Pref	Male	2.02	[1.40; 2.92]	1.63	[1.09; 2.44]	1.89	[1.32; 2.70]	32.1%	[17.4%; 44.2%]	10.2%	[2.1%; 17.6%]	42.3%	[20.3%; 58.3%]
		Female	1.25	[0.66; 2.37]	1.44	[0.59; 3.57]	1.30	[0.75; 2.25]	2.7%	[-6.2%; 10.9%]	1.9%	[-3.8%; 7.3%]	4.6%	[-6.4%; 14.5%]
	JACC	Male	1.57	[1.13; 2.18]	1.69	[1.19; 2.39]	1.61	[1.18; 2.21]	18.6%	[5.4%; 30.0%]	14.1%	[5.0%; 22.3%]	32.7%	[11.8%; 48.7%]
		Female	2.54	[1.45; 4.44]	0.45	[0.06; 3.23]	1.94	[1.13; 3.34]	7.5%	[0.9%; 13.7%]	-1.1%	[-2.9%; 0.7%]	6.4%	[-0.6%; 13.0%]
	Pooled	Male	1.81	[1.49; 2.20]	1.63	[1.32; 2.01]	1.74	[1.44; 2.11]	25.6%	[18.1%; 32.5%]	11.5%	[6.7%; 16.0%]	37.1%	[25.9%; 46.0%]
		Female	1.73	[1.21; 2.48]	1.23	[0.63; 2.39]	1.59	[1.15; 2.20]	4.9%	[0.9%; 8.7%]	0.6%	[-1.5%; 2.6%]	5.4%	[0.9%; 9.8%]
Cancer of gallbladder, other and unspecified parts of biliary tract 胆嚢・胆管がん	JPHC-I	Male	0.87	[0.31; 1.45]	0.31	[0.10; 0.98]	0.55	[0.26; 1.15]	-24.9%	[-88.0%; 17.0%]	-28.5%	[-57.1%; -5.1%]	-53.2%	[-146.5%; 4.8%]
		Female	1.82	[0.55; 6.05]	1.83	[0.25; 13.52]	1.82	[0.63; 5.26]	4.7%	[-7.9%; 15.8%]	1.6%	[-5.4%; 8.1%]	6.2%	[-8.5%; 18.9%]
	JPHC-II	Male	1.42	[0.66; 3.04]	1.13	[0.49; 2.62]	1.30	[0.63; 2.69]	15.4%	[-22.3%; 41.5%]	3.3%	[-22.5%; 23.7%]	18.8%	[-46.4%; 55.0%]
		Female	0.93	[0.22; 3.88]	1.76	[0.24; 12.80]	1.11	[0.34; 3.59]	-0.4%	[-7.8%; 6.5%]	1.1%	[-4.0%; 5.9%]	0.7%	[-8.5%; 9.1%]
	3-Pref	Male	0.92	[0.47; 1.79]	1.11	[0.55; 2.25]	0.99	[0.53; 1.85]	-4.3%	[-45.0%; 25.0%]	3.3%	[-21.3%; 23.0%]	-0.8%	[-68.3%; 39.6%]
		Female	1.17	[0.62; 2.20]	0.26	[0.04; 1.89]	0.91	[0.49; 1.67]	1.9%	[-7.0%; 10.2%]	-3.5%	[-6.1%; -1.0%]	-1.6%	[-11.4%; 7.4%]
	JACC	Male	1.36	[0.82; 2.25]	1.44	[0.85; 2.45]	1.39	[0.86; 2.25]	12.7%	[-9.5%; 30.4%]	10.9%	[-5.3%; 24.6%]	23.6%	[-14.1%; 48.9%]
		Female	1.91	[1.03; 3.56]	0.84	[0.21; 3.40]	1.60	[0.90; 2.85]	4.6%	[-1.3%; 10.2%]	-0.3%	[-2.8%; 2.1%]	4.3%	[-2.3%; 10.4%]
	Pooled	Male	1.11	[0.80; 1.53]	1.10	[0.78; 1.58]	1.11	[0.82; 1.50]	4.9%	[-11.1%; 18.6%]	3.0%	[-7.8%; 12.6%]	7.6%	[-17.6%; 27.8%]
		Female	1.46	[0.99; 2.21]	0.72	[0.30; 1.75]	1.27	[0.88; 1.84]	3.3%	[-0.7%; 7.2%]	-0.7%	[-2.5%; 1.0%]	2.6%	[-1.8%; 6.8%]
Cancer of pancreas 膵臓がん	JPHC-I	Male	1.66	[0.72; 3.85]	1.22	[0.46; 3.29]	1.52	[0.67; 3.43]	24.3%	[-20.8%; 52.6%]	4.0%	[-17.6%; 21.7%]	28.4%	[-40.6%; 63.5%]
		Female	0.75	[0.10; 5.58]	-	-	0.56	[0.07; 4.12]	-1.4%	[-10.7%; 7.0%]	-	-	-3.5%	[-12.9%; 5.2%]
	JPHC-II	Male	1.45	[0.77; 2.73]	1.12	[0.55; 2.30]	1.32	[0.72; 2.43]	16.8%	[-14.5%; 39.6%]	2.9%	[-16.6%; 19.2%]	19.8%	[-30.8%; 50.8%]
		Female	1.38	[0.50; 3.81]	2.46	[0.60; 10.10]	1.61	[0.69; 3.76]	1.9%	[-5.2%; 8.4%]	2.0%	[-2.8%; 6.6%]	3.9%	[-4.8%; 11.8%]
	3-Pref	Male	1.43	[0.86; 2.40]	0.98	[0.54; 1.76]	1.27	[0.77; 2.09]	18.7%	[-9.3%; 39.6%]	-0.6%	[-15.7%; 12.5%]	17.9%	[-25.8%; 46.5%]
		Female	2.10	[1.26; 3.50]	1.62	[0.70; 3.74]	1.96	[1.24; 3.11]	10.9%	[1.0%; 19.8%]	2.5%	[-3.0%; 7.7%]	13.5%	[1.8%; 23.7%]
	JACC	Male	1.74	[1.06; 2.85]	1.43	[0.85; 2.44]	1.61	[1.00; 2.59]	23.2%	[2.9%; 39.3%]	9.5%	[-4.7%; 21.7%]	32.6%	[-1.2%; 55.1%]
		Female	1.88	[1.04; 3.41]	2.72	[1.27; 5.84]	2.12	[1.31; 3.45]	4.2%	[-1.0%; 9.2%]	3.3%	[-0.6%; 7.1%]	7.6%	[0.9%; 13.7%]
	Pooled	Male	1.58	[1.18; 2.11]	1.19	[0.66; 1.85]	1.43	[1.08; 1.90]	21.2%	[8.3%; 32.3%]	4.4%	[-3.8%; 11.9%]	25.5%	[5.7%; 41.2%]
		Female	1.81	[1.28; 2.57]	1.96	[1.16; 3.30]	1.65	[1.37; 2.50]	5.3%	[1.3%; 9.1%]	2.4%	[-0.1%; 4.9%]	7.7%	[2.9%; 12.2%]
Cancer of larynx 喉頭がん	JPHC-I	Male	-	-	-	-	-	-	-	-	-	-	-	
		Female	-	-	-	-	-	-	-	-	-	-	-	-
	JPHC-II	Male	4.59	[0.58; 36.20]	2.82	[0.31; 25.40]	3.86	[0.50; 29.56]	50.3%	[-17.4%; 78.9%]	18.4%	[-22.2%; 45.6%]	68.8%	[-106.3%; 95.3%]
		Female	-	-	-	-	-	-	-	-	-	-	-	-
	3-Pref	Male	1.48	[0.16; 13.35]	2.40	[0.27; 21.46]	1.84	[0.23; 14.76]	14.4%	[-100.5%; 63.5%]	25.9%	[-53.9%; 64.3%]	40.5%	[-278.6%; 90.7%]
		Female	-	-	-	-	-	-	-	-	-	-	-	-
	JACC	Male	-	-	-	-	-	-	-	-	-	-	-	-
		Female	-	-	-	-	-	-	-	-	-	-	-	-
	Pooled	Male	5.47	[1.29; 23.11]	3.03	[0.65; 14.01]	4.50	[1.08; 18.72]	56.7%	[20.0%; 76.6%]	16.7%	[-4.8%; 33.9%]	73.4%	[-2.1%; 93.1%]
		Female	-	-	-	-	-	-	-	-	-	-	-	-
Cancer of trachea, bronchus, and lung 気管・気管支・肺がん	JPHC-I	Male	5.15	[2.49; 10.61]	3.16	[1.44; 6.95]	4.48	[2.19; 9.16]	57.2%	[39.9%; 69.5%]	15.4%	[5.6%; 24.3%]	72.6%	[46.5%; 86.0%]
		Female	4.55	[2.30; 9.01]	-	-	3.43	[1.73; 6.79]	18.7%	[4.3%; 30.8%]	-	-	16.9%	[2.3%; 29.4%]
	JPHC-II	Male	4.07	[2.73; 6.07]	1.63	[1.03; 2.57]	3.08	[2.08; 4.58]	53.6%	[42.6%; 62.5%]	7.7%	[0.6%; 14.2%]	61.5%	[44.8%; 73.1%]
		Female	3.28	[1.76; 6.12]	3.21	[1.01; 10.24]	3.27	[1.85; 5.77]	11.0%	[1.9%; 19.2%]	2.7%	[-1.8%; 7.1%]	13.7%	[3.5%; 22.8%]
	3-Pref	Male	5.11	[3.35; 7.80]	2.68	[1.70; 4.21]	4.19	[2.75; 6.37]	58.4%	[48.4%; 65.8%]	14.0%	[8.5%; 19.2%]	72.3%	[58.7%; 81.4%]
		Female	3.72	[2.54; 5.45]	2.99	[1.66; 5.40]	3.51	[2.48; 4.98]	22.3%	[13.0%; 30.7%]	6.6%	[1.1%; 11.8%]	28.9%	[18.2%; 38.3%]
	JACC	Male	5.00	[3.56; 7.04]	2.61	[1.81; 3.76]	4.00	[2.85; 5.60]	54.9%	[47.6%; 61.2%]	15.5%	[10.3%; 20.4%]	70.3%	[59.2%; 78.3%]
		Female	4.03	[2.70; 6.04]	2.48	[1.15; 5.28]	3.59	[2.48; 5.20]	13.3%	[6.9%; 19.2%]	2.5%	[-0.7%; 5.6%]	15.8%	[8.7%; 22.4%]
	Pooled	Male	4.79	[3.88; 5.92]	2.41	[1.91; 3.03]	3.85	[3.12; 4.74]	55.8%	[51.2%; 60.0%]	13.4%	[10.3%; 16.4%]	69.2%	[62.6%; 74.7%]
		Female	3.88	[3.07; 4.90]	2.63	[1.72; 4.03]	3.55	[2.86; 4.40]	16.4%	[12.0%; 20.5%]	3.4%	[1.2%; 5.6%]	19.8%	[14.9%; 24.4%]



Table 5. Cause-specific hazard ratio and population attributable fraction of smoking, by cohort and sex. (continued)

Cause of death	Cohort	Sex	Age-adjusted hazard ratio (vs. non-smokers) [95% confidence interval] †						Population attributable proportion * [95% confidence interval]					
			Current smokers		Ex-smokers		Ever-smokers		Current smokers		Ex-smokers		Ever-smokers ‡	
Cancer of breast 乳がん	JPHC-I	Female	1.41	[ 0.50 ; 3.95 ]	1.11	[ 0.15 ; 8.08 ]	1.33	[ 0.52 ; 3.40 ]	2.7%	[ -7.1% ; 11.6% ]	0.2%	[ -4.5% ; 4.7% ]	2.9%	[ -8.2% ; 12.9% ]
	JPHC-II	Female	1.20	[ 0.43 ; 3.37 ]	-	-	1.00	[ 0.36 ; 2.80 ]	1.5%	[ -8.0% ; 10.1% ]	-	-	0.0%	[ -9.6% ; 8.7% ]
	3-Pref	Female	0.71	[ 0.31 ; 1.63 ]	-	-	0.54	[ 0.23 ; 1.24 ]	-3.6%	[ -11.4% ; 3.7% ]	-	-	-7.5%	[ -15.7% ; 0.0% ]
	JACC	Female	1.79	[ 0.82 ; 3.89 ]	5.05	[ 2.19 ; 11.69 ]	2.55	[ 1.40 ; 4.61 ]	3.9%	[ -3.0% ; 10.3% ]	6.1%	[ -0.0% ; 11.8% ]	10.0%	[ 0.7% ; 18.4% ]
	Pooled	Female	1.21	[ 0.77 ; 1.90 ]	1.40	[ 0.66 ; 2.97 ]	1.25	[ 0.84 ; 1.86 ]	1.5%	[ -2.5% ; 5.4% ]	0.8%	[ -1.4% ; 3.0% ]	2.4%	[ -2.3% ; 6.9% ]
Cancer of cervix uteri 子宮頸がん	JPHC-I	Female	4.48	[ 1.20 ; 16.74 ]	-	-	3.39	[ 0.91 ; 12.67 ]	19.4%	[ -11.7% ; 41.9% ]	-	-	17.6%	[ -14.2% ; 40.6% ]
	JPHC-II	Female	1.90	[ 0.43 ; 8.38 ]	-	-	1.55	[ 0.35 ; 6.84 ]	5.6%	[ -12.4% ; 20.6% ]	-	-	4.2%	[ -14.0% ; 19.5% ]
	3-Pref	Female	1.68	[ 0.69 ; 4.08 ]	0.74	[ 0.10 ; 5.49 ]	1.42	[ 0.62 ; 3.28 ]	7.4%	[ -8.8% ; 21.1% ]	-1.0%	[ -7.4% ; 4.9% ]	6.3%	[ -11.8% ; 21.5% ]
	JACC	Female	2.04	[ 0.62 ; 6.75 ]	1.98	[ 0.27 ; 14.62 ]	2.03	[ 0.71 ; 5.81 ]	5.1%	[ -6.9% ; 15.8% ]	1.6%	[ -5.1% ; 8.0% ]	6.8%	[ -7.3% ; 19.0% ]
	Pooled	Female	2.32	[ 1.31 ; 4.10 ]	1.00	[ 0.25 ; 4.09 ]	1.99	[ 1.16 ; 3.41 ]	8.6%	[ 0.4% ; 16.2% ]	0.0%	[ -3.1% ; 3.0% ]	8.6%	[ -0.3% ; 16.8% ]
Cancer of ovary 卵巣がん	JPHC-I	Female	0.69	[ 0.09 ; 5.24 ]	-	-	0.53	[ 0.07 ; 3.97 ]	-2.5%	[ -14.7% ; 8.5% ]	-	-	-5.0%	[ -17.6% ; 6.2% ]
	JPHC-II	Female	0.68	[ 0.09 ; 5.05 ]	5.91	[ 1.39 ; 25.16 ]	1.66	[ 0.49 ; 5.59 ]	-1.9%	[ -10.5% ; 6.0% ]	6.6%	[ -4.8% ; 16.6% ]	4.8%	[ -10.1% ; 17.6% ]
	3-Pref	Female	1.55	[ 0.68 ; 3.50 ]	1.27	[ 0.30 ; 5.33 ]	1.48	[ 0.71 ; 3.09 ]	5.9%	[ -7.8% ; 17.8% ]	1.0%	[ -5.9% ; 7.5% ]	6.9%	[ -9.0% ; 20.5% ]
	JACC	Female	0.44	[ 0.06 ; 3.19 ]	1.34	[ 0.18 ; 9.76 ]	0.66	[ 0.16 ; 2.73 ]	-3.1%	[ -8.0% ; 1.7% ]	0.6%	[ -4.2% ; 5.2% ]	-2.5%	[ -9.6% ; 4.2% ]
	Pooled	Female	1.10	[ 0.57 ; 2.09 ]	1.75	[ 0.71 ; 4.29 ]	1.25	[ 0.73 ; 2.15 ]	0.7%	[ -4.5% ; 5.6% ]	1.7%	[ -1.8% ; 5.1% ]	2.4%	[ -4.0% ; 8.4% ]
Cancer of prostate 前立腺がん	JPHC-I	Male	0.70	[ 0.17 ; 2.95 ]	0.23	[ 0.02 ; 2.23 ]	0.53	[ 0.13 ; 2.11 ]	-23.6%	[ -179.9% ; 45.5% ]	-37.2%	[ -103.6% ; 7.6% ]	-60.3%	[ -306.1% ; 36.7% ]
	JPHC-II	Male	0.45	[ 0.16 ; 1.25 ]	1.16	[ 0.49 ; 2.75 ]	0.77	[ 0.34 ; 1.73 ]	-28.3%	[ -73.2% ; 4.9% ]	6.8%	[ -42.3% ; 38.9% ]	-22.1%	[ -121.5% ; 32.6% ]
	3-Pref	Male	0.79	[ 0.42 ; 1.48 ]	0.71	[ 0.35 ; 1.42 ]	0.76	[ 0.42 ; 1.36 ]	-12.9%	[ -54.9% ; 17.8% ]	-11.3%	[ -37.4% ; 9.8% ]	-24.3%	[ -93.7% ; 20.2% ]
	JACC	Male	1.44	[ 0.82 ; 2.53 ]	1.02	[ 0.55 ; 1.87 ]	1.23	[ 0.73 ; 2.10 ]	15.0%	[ -10.0% ; 34.4% ]	0.5%	[ -20.0% ; 17.5% ]	15.3%	[ -30.0% ; 44.8% ]
	Pooled	Male	0.98	[ 0.68 ; 1.41 ]	0.91	[ 0.61 ; 1.34 ]	0.95	[ 0.67 ; 1.33 ]	-1.0%	[ -19.4% ; 14.6% ]	-3.2%	[ -17.4% ; 9.2% ]	-4.3%	[ -35.6% ; 19.8% ]
Cancer of kidney except renal pelvis 腎盂を除く腎臓がん	JPHC-I	Male	0.83	[ 0.17 ; 5.07 ]	-	-	0.63	[ 0.12 ; 3.43 ]	-5.2%	[ -226.4% ; 66.1% ]	-	-	-39.4%	[ -332.3% ; 55.0% ]
	JPHC-II	Male	1.37	[ 0.36 ; 5.18 ]	1.51	[ 0.37 ; 6.07 ]	1.43	[ 0.41 ; 4.97 ]	12.8%	[ -55.3% ; 51.0% ]	11.8%	[ -36.4% ; 43.0% ]	24.5%	[ -110.8% ; 73.0% ]
	3-Pref	Male	1.08	[ 0.30 ; 3.95 ]	1.83	[ 0.49 ; 6.75 ]	1.35	[ 0.40 ; 4.55 ]	3.5%	[ -71.2% ; 45.6% ]	18.5%	[ -26.8% ; 47.6% ]	22.2%	[ -122.9% ; 72.8% ]
	JACC	Male	2.75	[ 0.81 ; 9.33 ]	1.77	[ 0.47 ; 6.70 ]	2.36	[ 0.72 ; 7.79 ]	40.3%	[ -8.7% ; 67.3% ]	11.6%	[ -17.0% ; 33.3% ]	51.9%	[ -40.7% ; 83.6% ]
	Pooled	Male	1.57	[ 0.81 ; 3.06 ]	1.46	[ 0.71 ; 3.00 ]	1.53	[ 0.81 ; 2.90 ]	19.9%	[ -11.0% ; 42.2% ]	9.7%	[ -9.6% ; 25.6% ]	29.6%	[ -21.5% ; 59.2% ]
	Female	0.60	[ 0.08 ; 4.47 ]	1.55	[ 0.21 ; 11.52 ]	0.86	[ 0.20 ; 3.69 ]	-2.9%	[ -12.3% ; 5.7% ]	1.5%	[ -7.4% ; 9.8% ]	-1.4%	[ -15.0% ; 10.7% ]	

Table 5. Cause-specific hazard ratio and population attributable fraction of smoking, by cohort and sex. (continued)

Cause of death	Cohort	Sex	Age-adjusted hazard ratio (vs. non-smokers) [95% confidence interval]§						Population attributable proportion * [95% confidence interval]									
			Current smokers		Ex-smokers		Ever-smokers		Current smokers		Ex-smokers		Ever-smoker†					
			HR	95% CI	HR	95% CI	HR	95% CI	HR	95% CI	HR	95% CI	HR	95% CI				
Cancer of renal pelvis, ureter, bladder 腎盂・尿管・膀胱がん	JPHC-I	Male	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		Female	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	JPHC-II	Male	3.64	[0.83; 16.01]	2.22	[0.45; 11.08]	3.07	[0.72; 13.14]	4.62%	[-5.9%; 72.6%]	15.0%	[-16.7%; 38.1%]	61.3%	[-45.2%; 89.7%]	-	-	-	-
		Female	4.13	[0.48; 35.38]	-	-	3.12	[0.36; 26.74]	12.6%	[-25.0%; 38.9%]	-	-	11.3%	[-26.8%; 38.0%]	-	-	-	-
	3-Pref	Male	4.89	[1.16; 20.59]	3.91	[0.88; 17.31]	4.52	[1.09; 18.71]	51.8%	[17.1%; 72.0%]	22.5%	[1.7%; 38.9%]	74.3%	[0.3%; 93.4%]	-	-	-	-
		Female	2.02	[0.75; 5.45]	-	-	1.41	[0.52; 3.79]	11.0%	[-10.4%; 28.2%]	-	-	6.3%	[-16.3%; 24.4%]	-	-	-	-
	JACC	Male	5.95	[1.83; 19.34]	1.92	[0.52; 7.09]	4.18	[1.30; 13.44]	62.8%	[32.6%; 79.5%]	8.8%	[-8.7%; 23.5%]	71.4%	[14.4%; 90.5%]	-	-	-	-
		Female	0.81	[0.11; 6.00]	-	-	0.55	[0.07; 4.10]	-1.1%	[-10.7%; 7.7%]	-	-	-3.7%	[-13.6%; 5.4%]	-	-	-	-
	Pooled	Male	5.35	[2.47; 11.57]	2.76	[1.21; 6.31]	4.30	[2.01; 9.23]	56.9%	[39.5%; 69.3%]	15.4%	[4.2%; 25.4%]	72.3%	[43.1%; 86.5%]	-	-	-	-
		Female	1.86	[0.84; 4.11]	-	-	1.30	[0.59; 2.88]	5.8%	[-4.0%; 14.7%]	-	-	2.9%	[-7.2%; 12.1%]	-	-	-	-
Cancer of bladder 膀胱がん	JPHC-I	Male	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		Female	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	JPHC-II	Male	6.26	[0.81; 48.17]	3.56	[0.41; 30.83]	5.15	[0.68; 38.70]	56.0%	[3.7%; 79.9%]	20.0%	[-12.5%; 43.1%]	76.1%	[-60.7%; 98.4%]	-	-	-	-
		Female	5.30	[0.59; 47.46]	-	-	3.99	[0.45; 35.70]	16.2%	[-29.8%; 46.0%]	-	-	15.0%	[-31.8%; 45.2%]	-	-	-	-
	3-Pref	Male	7.18	[0.96; 53.58]	7.20	[0.94; 55.31]	7.19	[0.98; 52.60]	52.2%	[18.1%; 72.1%]	31.3%	[7.9%; 48.8%]	83.5%	[-13.8%; 97.6%]	-	-	-	-
		Female	1.69	[0.48; 5.83]	-	-	1.16	[0.33; 4.07]	7.6%	[-16.9%; 27.0%]	-	-	2.6%	[-23.3%; 23.0%]	-	-	-	-
	JACC	Male	5.97	[1.41; 25.27]	2.23	[0.46; 10.75]	4.33	[1.04; 18.10]	61.2%	[23.3%; 80.4%]	11.4%	[-10.5%; 28.9%]	72.4%	[-5.9%; 92.8%]	-	-	-	-
		Female	0.93	[0.12; 6.99]	-	-	0.63	[0.08; 4.76]	-0.4%	[-11.6%; 9.7%]	-	-	-3.0%	[-14.6%; 7.3%]	-	-	-	-
	Pooled	Male	6.71	[2.44; 18.46]	4.13	[1.44; 11.88]	5.66	[2.08; 15.42]	57.4%	[38.4%; 70.5%]	21.3%	[8.2%; 32.5%]	78.6%	[44.3%; 91.8%]	-	-	-	-
		Female	1.67	[0.66; 4.23]	-	-	1.16	[0.46; 2.94]	4.5%	[-6.1%; 14.1%]	-	-	1.6%	[-9.5%; 11.4%]	-	-	-	-
Cancer of brain 悪性脳腫瘍	JPHC-I	Male	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		Female	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	JPHC-II	Male	0.76	[0.13; 4.52]	0.78	[0.11; 5.64]	0.77	[0.15; 3.96]	-13.9%	[-155.1%; 49.2%]	-7.9%	[-96.1%; 40.7%]	-21.8%	[-293.3%; 62.3%]	-	-	-	-
		Female	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	3-Pref	Male	0.48	[0.13; 1.70]	0.15	[0.02; 1.38]	0.37	[0.11; 1.25]	-59.6%	[-228.8%; 22.5%]	-48.8%	[-113.3%; -5.2%]	-109.6%	[-358.8%; 4.0%]	-	-	-	-
		Female	1.19	[0.14; 9.92]	7.05	[1.40; 35.57]	2.66	[0.66; 10.67]	1.8%	[-24.1%; 22.3%]	19.1%	[-14.8%; 42.9%]	20.8%	[-25.7%; 50.1%]	-	-	-	-
	JACC	Male	0.63	[0.10; 3.76]	1.36	[0.25; 7.47]	0.91	[0.19; 4.36]	-19.9%	[-137.7%; 98.5%]	11.7%	[-79.5%; 56.6%]	-8.2%	[-267.2%; 68.1%]	-	-	-	-
		Female	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Pooled	Male	0.77	[0.32; 1.81]	0.72	[0.27; 1.92]	0.75	[0.34; 1.67]	-14.8%	[-77.3%; 25.7%]	-10.1%	[-45.4%; 16.6%]	-24.9%	[-126.8%; 31.3%]	-	-	-	-
		Female	0.56	[0.08; 4.18]	3.58	[0.84; 15.29]	1.29	[0.38; 4.30]	-3.1%	[-11.8%; 4.9%]	5.8%	[-5.8%; 16.1%]	2.7%	[-12.5%; 15.6%]	-	-	-	-
Myeloid leukemia 骨髄性白血病	JPHC-I	Male	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		Female	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	JPHC-II	Male	1.66	[0.46; 6.05]	2.08	[0.53; 8.08]	1.81	[0.53; 6.19]	20.0%	[-40.8%; 54.5%]	18.1%	[-19.9%; 44.1%]	38.1%	[-75.8%; 78.2%]	-	-	-	-
		Female	-	-	10.17	[1.22; 84.72]	1.77	[0.21; 14.87]	0	-	12.9%	[-17.9%; 35.6%]	6.2%	[-27.0%; 30.7%]	-	-	-	-
	3-Pref	Male	1.00	[0.27; 3.72]	1.21	[0.30; 4.84]	1.08	[0.31; 3.73]	0.1%	[-92.3%; 48.1%]	5.8%	[-45.5%; 39.0%]	6.0%	[-164.4%; 66.6%]	-	-	-	-
		Female	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	JACC	Male	1.29	[0.47; 3.51]	2.43	[0.89; 6.66]	1.68	[0.65; 4.31]	9.6%	[-34.9%; 39.4%]	25.4%	[-4.3%; 46.7%]	35.0%	[-46.9%; 71.2%]	-	-	-	-
		Female	3.73	[1.07; 13.01]	-	-	2.63	[0.75; 9.17]	12.9%	[-8.5%; 30.1%]	-	-	10.9%	[-11.0%; 28.5%]	-	-	-	-
	Pooled	Male	1.45	[0.74; 2.82]	2.13	[1.07; 4.25]	1.69	[0.89; 3.18]	14.8%	[-13.7%; 36.2%]	20.3%	[1.9%; 35.3%]	35.1%	[-12.4%; 62.6%]	-	-	-	-
		Female	0.96	[0.30; 3.10]	0.96	[0.13; 7.01]	0.96	[0.34; 2.68]	-0.3%	[-8.5%; 7.6%]	-0.1%	[-4.8%; 4.4%]	-0.4%	[-10.5%; 8.8%]	-	-	-	-

Table 5. Cause-specific hazard ratio and population attributable fraction of smoking, by cohort and sex, (continued)

Cause of death	Cohort	Sex	Age-adjusted hazard ratio (vs. non-smokers) [95% confidence interval] †						Population attributable proportion * [95% confidence interval]					
			Current smokers		Ex-smokers		Ever-smokers		Current smokers		Ex-smokers		Ever-smokers ‡	
			HR	95% CI	HR	95% CI	HR	95% CI	HR	95% CI	HR	95% CI	HR	95% CI
Cardiovascular diseases 全循環器疾患	JPHC-I	Male	1.57	[1.18; 2.08]	1.01	[0.71; 1.42]	1.39	[1.05; 1.82]	22.6%	[8.8%; 34.3%]	0.1%	[-0.8%; 6.5%]	22.7%	[3.4%; 38.2%]
		Female	2.35	[1.49; 3.70]	2.31	[1.08; 4.95]	2.34	[1.56; 3.51]	7.8%	[2.0%; 13.3%]	2.5%	[-0.8%; 5.6%]	10.3%	[3.6%; 16.5%]
	JPHC-II	Male	1.72	[1.40; 2.11]	1.33	[1.06; 1.67]	1.57	[1.29; 1.91]	23.3%	[15.2%; 30.6%]	7.0%	[1.4%; 12.2%]	30.3%	[18.0%; 40.9%]
		Female	3.15	[2.37; 4.19]	2.00	[1.07; 3.76]	2.90	[2.22; 3.78]	9.8%	[6.0%; 13.3%]	1.3%	[-0.3%; 2.8%]	11.0%	[7.0%; 14.9%]
	3-Pref	Male	1.38	[1.19; 1.61]	1.15	[0.98; 1.36]	1.29	[1.12; 1.49]	15.7%	[8.7%; 22.1%]	3.7%	[-0.7%; 7.9%]	19.2%	[8.7%; 28.6%]
		Female	1.50	[1.27; 1.77]	1.28	[1.00; 1.65]	1.43	[1.24; 1.66]	5.4%	[2.8%; 7.8%]	1.4%	[-0.2%; 2.9%]	6.7%	[3.7%; 9.7%]
	JACC	Male	1.52	[1.33; 1.73]	1.17	[1.02; 1.35]	1.37	[1.21; 1.55]	18.1%	[12.8%; 23.1%]	4.4%	[0.4%; 8.2%]	22.3%	[13.9%; 30.0%]
		Female	1.97	[1.63; 2.36]	1.59	[1.18; 2.14]	1.85	[1.57; 2.17]	4.8%	[3.1%; 6.5%]	1.3%	[0.3%; 2.3%]	6.1%	[4.0%; 8.1%]
	Pooled	Male	1.52	[1.39; 1.65]	1.17	[1.07; 1.29]	1.38	[1.27; 1.49]	18.8%	[15.3%; 22.2%]	4.2%	[1.7%; 6.6%]	23.0%	[17.5%; 28.0%]
		Female	1.98	[1.78; 2.21]	1.60	[1.34; 1.91]	1.87	[1.70; 2.06]	6.4%	[5.1%; 7.7%]	1.6%	[0.9%; 2.4%]	8.0%	[6.5%; 9.6%]
Both ‡	Male							13.8%	[11.2%; 16.4%]	3.2%	[1.6%; 4.7%]	17.0%	[12.8%; 21.1%]	
	Female							12.4%	[8.9%; 15.9%]	2.9%	[0.9%; 5.0%]	15.3%	[9.6%; 21.0%]	
Cardiovascular diseases 全循環器疾患	Pooled ‡	Male						4.5%	[3.3%; 5.6%]	1.1%	[0.5%; 1.7%]	5.6%	[4.2%; 7.0%]	
		Female						9.2%	[7.1%; 11.3%]	2.2%	[1.0%; 3.4%]	11.4%	[7.9%; 14.8%]	
Causally-tobacco-related cardiovascular diseases in total 喫煙と因果関係がある循環器疾患	JPHC-I	Male	1.52	[1.09; 2.13]	0.97	[0.64; 1.48]	1.34	[0.97; 1.86]	21.2%	[4.1%; 35.2%]	-0.5%	[-9.0%; 7.3%]	20.7%	[-3.5%; 39.2%]
		Female	2.97	[1.81; 4.90]	2.92	[1.28; 6.68]	2.96	[1.89; 4.63]	11.1%	[3.4%; 18.1%]	3.5%	[-0.8%; 7.6%]	14.5%	[5.8%; 22.5%]
	JPHC-II	Male	1.82	[1.42; 2.34]	1.36	[1.03; 1.80]	1.64	[1.30; 2.09]	25.8%	[15.8%; 34.2%]	7.3%	[0.7%; 13.5%]	33.0%	[18.0%; 45.2%]
		Female	3.41	[2.44; 4.77]	2.39	[1.18; 4.84]	3.19	[2.34; 4.35]	10.8%	[6.2%; 15.2%]	1.7%	[-0.4%; 3.8%]	12.5%	[7.5%; 17.4%]
	3-Pref	Male	1.26	[1.05; 1.53]	1.12	[0.91; 1.37]	1.21	[1.01; 1.45]	11.4%	[2.2%; 19.8%]	3.0%	[-2.8%; 8.8%]	14.4%	[0.2%; 26.6%]
		Female	1.59	[1.29; 1.96]	1.35	[0.98; 1.87]	1.52	[1.26; 1.83]	6.3%	[2.9%; 9.5%]	1.7%	[-0.4%; 3.6%]	7.9%	[3.9%; 11.8%]
	JACC	Male	1.59	[1.36; 1.87]	1.22	[1.03; 1.45]	1.43	[1.23; 1.67]	19.9%	[13.6%; 25.8%]	5.5%	[0.8%; 10.0%]	25.3%	[15.2%; 34.3%]
		Female	1.99	[1.58; 2.50]	1.53	[1.05; 2.23]	1.85	[1.51; 2.26]	4.9%	[2.7%; 7.0%]	1.2%	[-0.1%; 2.4%]	6.0%	[3.5%; 8.5%]
	Pooled	Male	1.51	[1.36; 1.68]	1.19	[1.06; 1.33]	1.38	[1.25; 1.53]	18.7%	[14.3%; 22.8%]	4.5%	[1.5%; 7.4%]	23.1%	[16.4%; 29.3%]
		Female	2.09	[1.83; 2.39]	1.66	[1.33; 2.07]	1.97	[1.75; 2.21]	7.0%	[5.3%; 8.7%]	1.8%	[0.8%; 2.7%]	8.8%	[6.8%; 10.7%]
Ischemic heart diseases 虚血性心疾患	JPHC-I	Male	2.37	[1.24; 4.52]	1.64	[0.78; 3.46]	2.13	[1.13; 4.01]	37.6%	[11.0%; 56.3%]	8.7%	[-4.8%; 20.4%]	46.3%	[6.7%; 69.1%]
		Female	4.73	[1.98; 11.26]	6.36	[1.88; 21.46]	5.12	[2.38; 11.03]	18.4%	[0.6%; 33.0%]	8.4%	[-3.2%; 18.7%]	26.8%	[4.3%; 43.2%]
	JPHC-II	Male	2.41	[1.59; 3.65]	1.58	[0.99; 2.52]	2.09	[1.40; 3.14]	36.0%	[20.9%; 48.2%]	9.4%	[-0.2%; 18.0%]	45.5%	[22.5%; 61.6%]
		Female	3.36	[1.81; 6.24]	2.97	[0.93; 9.45]	3.28	[1.87; 5.75]	10.4%	[1.9%; 18.2%]	2.5%	[-1.8%; 6.5%]	12.9%	[3.3%; 21.5%]
	3-Pref	Male	1.62	[1.14; 2.30]	1.43	[0.98; 2.09]	1.55	[1.10; 2.17]	21.9%	[6.5%; 34.7%]	9.0%	[-0.5%; 17.7%]	30.8%	[6.9%; 48.6%]
		Female	2.33	[1.61; 3.38]	2.15	[1.25; 3.68]	2.28	[1.64; 3.16]	12.7%	[5.3%; 19.6%]	4.8%	[0.1%; 9.3%]	17.6%	[8.7%; 25.6%]
	JACC	Male	2.60	[1.87; 3.61]	2.09	[1.48; 2.95]	2.38	[1.73; 3.28]	35.0%	[25.0%; 43.6%]	17.2%	[8.8%; 24.0%]	52.1%	[36.2%; 64.0%]
		Female	3.03	[2.06; 4.47]	2.05	[1.05; 4.01]	2.73	[1.93; 3.87]	9.4%	[4.4%; 14.2%]	2.2%	[-0.6%; 4.9%]	11.6%	[5.8%; 17.0%]
	Pooled	Male	2.18	[1.79; 2.66]	1.71	[1.39; 2.12]	2.00	[1.65; 2.42]	31.8%	[24.9%; 37.9%]	12.3%	[7.7%; 16.8%]	44.1%	[33.7%; 52.8%]
		Female	2.95	[2.33; 3.73]	2.48	[1.71; 3.60]	2.81	[2.28; 3.46]	11.6%	[7.9%; 15.1%]	3.6%	[1.4%; 5.8%]	15.2%	[10.9%; 19.3%]
Total stroke 脳卒中	JPHC-I	Male	1.24	[0.83; 1.85]	0.75	[0.45; 1.26]	1.08	[0.73; 1.59]	11.5%	[-1.7%; 29.9%]	-5.9%	[-16.9%; 4.1%]	5.7%	[-27.4%; 30.2%]
		Female	2.48	[1.34; 4.60]	1.92	[0.60; 6.11]	2.34	[1.33; 4.11]	8.6%	[0.2%; 16.4%]	1.7%	[-2.5%; 5.7%]	10.4%	[0.8%; 19.0%]
	JPHC-II	Male	1.44	[1.06; 1.98]	1.22	[0.87; 1.73]	1.36	[1.01; 1.83]	16.1%	[2.4%; 27.9%]	5.4%	[-4.1%; 13.9%]	21.5%	[-0.1%; 38.5%]
		Female	3.43	[2.30; 5.11]	2.14	[0.88; 5.20]	3.15	[2.17; 4.57]	11.0%	[5.3%; 16.3%]	1.4%	[-0.9%; 3.7%]	12.4%	[6.3%; 18.1%]
	3-Pref	Male	1.11	[0.88; 1.39]	0.98	[0.76; 1.26]	1.06	[0.85; 1.31]	5.1%	[-6.9%; 15.7%]	-0.6%	[-8.2%; 6.4%]	4.3%	[-14.3%; 19.9%]
		Female	1.36	[1.05; 1.76]	1.12	[0.75; 1.68]	1.29	[1.03; 1.61]	4.0%	[0.2%; 7.6%]	0.6%	[-1.6%; 2.8%]	4.6%	[0.0%; 8.9%]
	JACC	Male	1.30	[1.08; 1.56]	0.99	[0.81; 1.22]	1.16	[0.98; 1.39]	11.8%	[3.4%; 19.4%]	-0.2%	[-6.4%; 5.7%]	11.4%	[-2.2%; 23.3%]
		Female	1.60	[1.20; 2.14]	1.23	[0.76; 1.99]	1.49	[1.15; 1.92]	3.1%	[0.8%; 5.3%]	0.5%	[-0.8%; 1.8%]	3.6%	[0.9%; 6.2%]
	Pooled	Male	1.25	[1.10; 1.42]	1.00	[0.87; 1.14]	1.15	[1.02; 1.29]	10.6%	[4.8%; 16.0%]	-0.1%	[-4.1%; 3.8%]	10.4%	[1.4%; 18.6%]
		Female	1.80	[1.52; 2.12]	1.35	[1.01; 1.79]	1.66	[1.44; 1.93]	5.3%	[3.4%; 7.1%]	1.0%	[-0.1%; 2.0%]	6.2%	[4.1%; 8.4%]
Subarachnoid hemorrhage 脳膜下出血	JPHC-I	Male	1.44	[0.58; 3.61]	0.99	[0.32; 3.08]	1.30	[0.53; 3.17]	18.8%	[-38.4%; 52.3%]	-0.1%	[-24.8%; 19.6%]	18.6%	[-67.0%; 60.3%]
		Female	2.07	[0.72; 5.94]	-	-	1.56	[0.54; 4.49]	6.7%	[-6.9%; 18.5%]	0.0%	[0.0%; 0.0%]	4.6%	[-9.2%; 16.7%]
	JPHC-II	Male	6.34	[1.50; 26.74]	2.67	[0.54; 13.27]	5.05	[1.21; 21.07]	64.4%	[26.2%; 82.8%]	11.0%	[-7.0%; 26.0%]	75.5%	[5.9%; 93.6%]
		Female	5.07	[2.77; 9.27]	1.42	[0.20; 10.27]	4.31	[2.40; 7.75]	18.4%	[6.4%; 28.9%]	0.5%	[-2.8%; 3.7%]	18.9%	[6.4%; 29.7%]
	3-Pref	Male	1.45	[0.64; 3.29]	0.53	[0.18; 1.58]	1.14	[0.51; 2.54]	22.1%	[-36.1%; 55.4%]	-11.8%	[-35.2%; 7.5%]	10.1%	[-77.6%; 54.5%]
		Female	2.25	[1.26; 4.01]	1.52	[0.55; 4.22]	2.04	[1.20; 3.47]	12.2%	[0.4%; 22.7%]	2.0%	[-4.0%; 7.7%]	14.3%	[0.6%; 26.1%]
	JACC	Male	2.82	[1.34; 5.93]	1.63	[0.71; 3.76]	2.39	[1.15; 4.97]	43.8%	[16.1%; 62.4%]	8.6%	[-6.3%; 21.5%]	52.5%	[8.3%; 75.4%]
		Female	2.92	[1.77; 4.80]	0.83	[0.20; 3.35]	2.33	[1.45; 3.76]	9.2%	[2.6%; 15.3%]	-0.3%	[-2.5%; 1.8%]	8.9%	[1.9%; 15.3%]
	Pooled	Male	2.33	[1.50; 3.64]	1.19	[0.71; 2.02]	1.94	[1.25; 3.00]	39.5%	[21.3%; 53.5%]	3.1%	[-6.3%; 11.6%]	42.6%	[15.8%; 60.9%]
		Female	2.79	[2.06; 3.78]	1.05	[0.50; 2.24]	2.33	[1.75; 3.11]	11.3%	[6.5%; 15.9%]	0.1%	[-1.7%; 1.9%]	11.5%	[6.2%; 16.4%]

Table 5. Cause-specific hazard ratio and population attributable fraction of smoking, by cohort and sex. (continued)

Cause of death	Cohort	Sex	Age-adjusted hazard ratio (vs. non-smokers) [95% confidence interval] †									Population attributable proportion * [95% confidence interval]					
			Current smokers			Ex-smokers			Ever-smokers			Current smokers		Ex-smokers		Ever-smokers †	
			Hazard Ratio	95% CI	95% CI	Hazard Ratio	95% CI	95% CI	Hazard Ratio	95% CI	95% CI	Proportion	95% CI	Proportion	95% CI	Proportion	95% CI
Intracerebral hemorrhage 脳内出血	JPHC-I	Male	1.20	[0.69; 2.10]	0.62	[0.29; 1.33]	1.01	[0.59; 1.74]	10.2%	[-25.6%; 35.8%]	-9.3%	[-24.9%; 4.4%]	1.0%	[-50.1%; 34.6%]			
		Female	3.07	[1.26; 7.48]	4.79	[1.45; 15.81]	3.49	[1.83; 7.46]	11.2%	[-2.8%; 23.3%]	6.6%	[-3.1%; 15.4%]	17.8%	[0.8%; 32.0%]			
	JPHC-II	Male	1.49	[0.86; 2.58]	1.02	[0.53; 1.95]	1.32	[0.78; 2.24]	19.0%	[-9.1%; 39.8%]	0.4%	[-15.3%; 14.0%]	19.5%	[-23.4%; 47.5%]			
		Female	3.39	[1.65; 6.97]	2.65	[0.69; 11.76]	3.28	[1.69; 6.35]	11.1%	[0.6%; 20.6%]	2.3%	[-2.7%; 7.0%]	13.4%	[1.7%; 23.7%]			
	3-Pref	Male	0.91	[0.57; 1.47]	0.82	[0.48; 1.40]	0.88	[0.56; 1.39]	-5.1%	[-36.8%; 19.3%]	-5.9%	[-23.2%; 9.0%]	-11.0%	[-60.2%; 23.1%]			
		Female	1.47	[0.86; 2.52]	1.30	[0.56; 2.98]	1.42	[0.88; 2.28]	5.1%	[-3.4%; 12.9%]	1.4%	[-3.7%; 6.2%]	6.5%	[-3.8%; 15.7%]			
	JACC	Male	1.43	[0.97; 2.09]	1.04	[0.68; 1.59]	1.27	[0.88; 1.83]	16.6%	[-1.5%; 31.4%]	1.0%	[-10.9%; 11.7%]	17.5%	[-11.5%; 39.0%]			
		Female	1.45	[0.76; 2.77]	1.01	[0.32; 3.19]	1.32	[0.74; 2.34]	2.3%	[-2.5%; 6.9%]	0.0%	[-2.6%; 2.6%]	2.4%	[-3.2%; 7.6%]			
	Pooled	Male	1.24	[0.98; 1.57]	0.91	[0.69; 1.19]	1.11	[0.89; 1.40]	10.8%	[-1.5%; 21.5%]	-2.5%	[-8.5%; 4.3%]	8.3%	[-10.2%; 23.7%]			
		Female	1.92	[1.39; 2.67]	1.69	[0.99; 2.89]	1.86	[1.39; 2.48]	6.0%	[2.1%; 9.8%]	1.7%	[-0.5%; 4.0%]	7.8%	[3.2%; 12.2%]			
Cerebral infarction 脳梗塞	JPHC-I	Male	0.93	[0.35; 2.48]	0.45	[0.11; 1.81]	0.77	[0.30; 1.98]	-4.3%	[-33.2%; 40.7%]	-17.4%	[-50.7%; 8.5%]	-21.6%	[-139.2%; 38.2%]			
		Female	5.08	[1.01; 25.46]	-	-	3.79	[0.76; 18.96]	20.1%	[-19.3%; 46.4%]	-	-	18.4%	[-21.8%; 45.3%]			
	JPHC-II	Male	1.19	[0.72; 1.99]	0.94	[0.53; 1.65]	1.09	[0.67; 1.76]	8.0%	[-17.4%; 27.9%]	-2.0%	[-20.7%; 13.9%]	6.2%	[-37.2%; 35.9%]			
		Female	2.57	[1.01; 6.52]	1.63	[0.22; 11.80]	2.34	[0.99; 5.94]	6.8%	[-3.4%; 15.9%]	0.9%	[-3.6%; 5.1%]	7.6%	[-3.6%; 17.6%]			
	3-Pref	Male	1.21	[0.88; 1.66]	1.16	[0.83; 1.62]	1.19	[0.88; 1.60]	8.7%	[-6.5%; 21.7%]	4.4%	[-6.0%; 13.7%]	13.0%	[-11.5%; 32.1%]			
		Female	1.12	[0.74; 1.69]	0.75	[0.37; 1.53]	1.01	[0.70; 1.45]	1.4%	[-4.0%; 6.5%]	-1.3%	[-4.2%; 1.5%]	0.1%	[-6.3%; 6.1%]			
	JACC	Male	1.22	[0.91; 1.65]	0.96	[0.70; 1.32]	1.10	[0.83; 1.46]	8.8%	[-4.8%; 20.7%]	-1.3%	[-12.0%; 8.3%]	7.3%	[-15.8%; 25.8%]			
		Female	1.37	[0.81; 2.32]	1.59	[0.78; 3.23]	1.44	[0.93; 2.22]	1.9%	[-1.8%; 5.5%]	1.4%	[-1.3%; 4.0%]	3.3%	[-1.3%; 7.7%]			
	Pooled	Male	1.23	[1.02; 1.50]	1.02	[0.82; 1.26]	1.14	[0.95; 1.37]	9.5%	[0.6%; 17.5%]	0.5%	[-6.1%; 6.7%]	9.9%	[-4.5%; 22.3%]			
		Female	1.48	[1.10; 2.00]	1.17	[0.72; 1.91]	1.39	[1.07; 1.80]	3.3%	[0.3%; 6.3%]	0.5%	[-1.2%; 2.3%]	3.9%	[0.3%; 7.3%]			
Aortic aneurysm and dissection 大動脈瘤および解離	JPHC-I	Male	-	-	-	-	-	-	-	-	-	-	-				
		Female	-	-	-	-	-	-	-	-	-	-	-	-			
	JPHC-II	Male	4.07	[0.94; 17.71]	4.79	[1.07; 21.51]	4.35	[1.04; 18.26]	40.2%	[3.9%; 62.8%]	31.7%	[4.6%; 51.0%]	71.9%	[-7.4%; 92.6%]			
		Female	5.70	[1.18; 27.50]	-	-	4.33	[0.90; 20.85]	18.3%	[-15.8%; 42.4%]	-	-	17.1%	[-17.6%; 41.5%]			
	3-Pref	Male	6.48	[0.87; 48.48]	4.82	[0.60; 38.52]	5.86	[0.80; 43.18]	57.4%	[13.8%; 78.9%]	22.6%	[-2.0%; 41.3%]	80.0%	[-37.2%; 97.1%]			
		Female	1.66	[0.47; 5.81]	1.26	[0.16; 9.68]	1.54	[0.50; 4.72]	7.0%	[-16.0%; 25.4%]	1.2%	[-11.3%; 12.3%]	8.2%	[-19.5%; 29.5%]			
	JACC	Male	3.05	[1.37; 6.78]	1.75	[0.74; 4.17]	2.49	[1.14; 5.43]	42.6%	[15.8%; 60.9%]	11.5%	[-6.4%; 26.4%]	53.9%	[6.8%; 77.2%]			
		Female	2.76	[0.96; 7.91]	6.56	[2.28; 18.84]	3.88	[1.76; 8.57]	7.5%	[-4.6%; 18.2%]	10.0%	[-1.8%; 20.4%]	17.5%	[0.5%; 31.5%]			
	Pooled	Male	3.89	[2.02; 7.49]	2.71	[1.35; 5.42]	3.42	[1.80; 6.51]	47.4%	[30.3%; 60.3%]	18.3%	[6.8%; 28.4%]	65.6%	[37.6%; 81.1%]			
		Female	2.35	[1.16; 4.79]	3.16	[1.25; 7.95]	2.59	[1.43; 4.69]	8.2%	[-1.5%; 17.0%]	5.4%	[-1.7%; 12.0%]	13.6%	[1.4%; 24.3%]			
Abdominal aortic aneurysm 腹部大動脈瘤	JPHC-I	Male	-	-	-	-	-	-	-	-	-	-	-				
		Female	-	-	-	-	-	-	-	-	-	-	-	-			
	JPHC-II	Male	-	-	-	-	-	-	-	-	-	-	-	-			
		Female	-	-	-	-	-	-	-	-	-	-	-	-			
	3-Pref	Male	-	-	-	-	-	-	-	-	-	-	-	-			
		Female	1.42	[0.17; 12.15]	-	-	1.00	[0.12; 8.55]	4.9%	[-38.0%; 33.5%]	-	-	0.0%	[-43.1%; 30.1%]			
	JACC	Male	2.23	[0.75; 6.62]	0.80	[0.22; 2.98]	1.59	[0.55; 4.61]	36.8%	[-19.7%; 66.6%]	-4.6%	[-36.5%; 19.8%]	31.7%	[-69.9%; 72.4%]			
		Female	11.46	[1.91; 68.72]	25.37	[4.23; 151.99]	15.79	[3.53; 70.69]	26.1%	[-18.2%; 53.8%]	27.4%	[-15.9%; 54.6%]	53.5%	[-9.3%; 80.2%]			
	Pooled	Male	3.89	[1.38; 10.99]	1.84	[0.52; 5.24]	2.94	[1.05; 8.16]	52.2%	[18.0%; 72.1%]	8.3%	[-11.8%; 24.8%]	60.3%	[-1.3%; 84.5%]			
		Female	4.30	[1.16; 15.96]	6.51	[1.39; 30.39]	4.98	[1.66; 14.94]	16.5%	[-9.5%; 36.5%]	12.1%	[-8.9%; 29.0%]	28.5%	[-5.6%; 51.6%]			