Table 13. Continued. Age-adjusted Hazard Ratios[#] and 95% Confidence Intervals(95% CI) According to the the Frequencies of Fruits, Fruit Juice, and Sweets Intake

	No. of subjects	Person -years	Kidney cancer No	Kidney cancer HR(95%CI)	Urothelial tract cancer No	Urothelial tract cancer HR(95%CI)	Non-Hodgkin's No	Non-Hodgkin's HR(95%CI)	Multiple myeloma No	Multiple myeloma HR(95%CI)	Myeloid leukemia No	Myeloid leukemia HR(95%CI)	Ischemic heart disease No	Ischemic heart disease HR(95%CI)	Cerebrovascular No	Cerebrovascular HR(95%CI)
Men																
Citrus fruits																
<3/w	26,113	332,812	28	1.00	52	1.00	55	1.00	30	1.00	23	1.00	365	1.00	727	1.00
3-4/w	7,741	95,290	6	0.69(0.27-1.74)	16	1.05(0.57-1.94)	19	1.23(0.69-2.18)	9	1.16(0.51-2.68)	8	1.26(0.52-3.01)	95	0.85(0.67-1.08)	224	0.93(0.79-1.09)
≥5/w	9,157	111,128	10	0.88(0.40-1.92)	17	0.81(0.43-1.49)	13	0.66(0.34-1.28)	10	0.98(0.43-2.24)	12	1.51(0.68-3.37)	142	0.98(0.79-1.22)	256	0.82(0.70-0.96)*
Fresh fruit juice (in summer season)																
<1/w	24,153	306,172	23	1.00	56	1.00	43	1.00	26	1.00	22	1.00	350	1.00	682	1.00
1-2/w	8,169	101,027	10	1.28(0.57-2.89)	15	0.74(0.40-1.36)	19	1.63(0.88-3.04)	5	0.77(0.27-2.21)	7	0.99(0.39-2.47)	113	0.94(0.75-1.19)	234	0.91(0.78-1.07)
≥3/w	9,008	112,161	8	0.87(0.36-2.12)	10	0.44(0.21-0.90)*	18	1.35(0.71-2.57)	14	1.80(0.80-4.07)	11	1.31(0.57-2.99)	110	0.78(0.62-0.99)*	215	0.69(0.58-0.82)**
Other fruits (excluded citrus fruits)																
<3/w	22,836	290,190	17	1.00	51	1.00	49	1.00	28	1.00	23	1.00	337	1.00	694	1.00
3-4/w	8,196	101,725	14	3.15(1.35-7.34)**	11	0.82(0.41-1.66)	14	0.99(0.52-1.91)	4	0.55(0.18-1.69)	3	0.38(0.11-1.31)	94	0.95(0.74-1.22)	168	0.75(0.63-0.90)**
≥5/w	10,363	128,407	11	1.76(0.72-4.28)	14	0.80(0.42-1.54)	22	1.16(0.66-2.07)	13	1.32(0.61-2.88)	13	1.20(0.56-2.59)	121	0.94(0.75-1.18)	252	0.85(0.72-0.99)*
Sweets																
<1/w	20,854	263,296	19	1.00	43	1.00	37	1.00	24	1.00	19	1.00	291	1.00	545	1.00
1-2/w	10,292	127,753	11	0.93(0.44-1.98)	18	0.74(0.41-1.31)	26	1.44(0.84-2.47)	14	1.26(0.62-2.55)	13	1.41(0.67-2.99)	144	0.92(0.75-1.14)	269	0.86(0.74-1.01)+
≥3/w	11,936	148,665	10	0.64(0.29-1.40)	22	0.57(0.33-0.98)*	24	0.94(0.54-1.63)	9	0.54(0.24-1.22)	10	0.88(0.39-2.00)	172	0.76(0.63-0.94)**	383	0.83(0.72-0.95)**
Women																
Citrus fruits																
<3/w	27,441	368,077	9	1.00	25	1.00	33	1.00	22	1.00	12	1.00	200	1.00	502	1.00
3-4/w	11,163	140,745	2	0.50(0.10-2.52)	8	0.89(0.35-2.25)	12	0.95(0.46-1.96)	6	0.75(0.28-2.00)	7	2.96(0.76-11.6)	67	0.83(0.61-1.12)	203	0.95(0.79-1.14)
≥5/w	20,900	260,141	7	0.84(0.27-2.66)	6	0.29(0.10-0.83)*	17	0.76(0.38-1.51)	17	1.03(0.47-2.22)	12	2.19(0.58-8.22)	131	0.77(0.59-1.00)+	323	0.71(0.60-0.84)**
Fresh fruit juice (in summer season)																
<1/w	24,610	327,388	5	1.00	23	1.00	28	1.00	13	1.00	14	1.00	187	1.00	485	1.00
1-2/w	11,776	148,782	4	2.55(0.46-14.0)	8	0.94(0.36-2.47)	15	1.31(0.64-2.70)	11	3.46(1.10-10.9)*	5	1.08(0.31-3.76)	82	0.99(0.74-1.32)	194	0.85(0.70-1.02)+
≥3/w	20,096	255,290	6	2.01(0.39-10.3)	7	0.42(0.15-1.17)+	12	0.62(0.29-1.35)	17	3.17(1.05-9.58)*	10	1.04(0.35-3.13)	101	0.70(0.53-0.93)*	274	0.66(0.55-0.78)**
Other fruits (excluded citrus fruits)																
<3/w	30,233	399,571	8	1.00	23	1.00	33	1.00	25	1.00	19	1.00	232	1.00	570	1.00
3-4/w	10,065	127,542	1	0.40(0.05-3.49)	3	0.85(0.22-3.21)	8	0.81(0.35-1.84)	6	0.98(0.38-2.58)	2	0.47(0.10-2.17)	58	0.95(0.70-1.29)	139	0.88(0.73-1.08)
≥5/w	15,897	200,961	5	1.12(0.32-3.96)	9	1.72(0.66-4.53)	16	1.04(0.53-2.03)	10	1.00(0.44-2.29)	10	1.40(0.56-3.52)	72	0.75(0.56-1.00)*	217	0.86(0.73-1.02)+
Sweets																
<1/w	21,367	278,832	6	1.00	11	1.00	24	1.00	17	1.00	15	1.00	149	1.00	407	1.00
1-2/w	15,697	198,972	6	1.86(0.47-7.46)	12	2.46(0.94-6.46)+	18	1.12(0.57-2.20)	5	0.40(0.14-1.13)+	8	0.89(0.35-2.31)	103	0.90(0.69-1.17)	220	0.73(0.61-0.87)**
≥3/w	22,477	291,354	4	0.88(0.20-3.96)	15	1.77(0.71-4.39)	18	0.79(0.41-1.54)	22	1.09(0.55-2.17)	9	0.65(0.26-1.62)	141	0.76(0.60-0.97)*	390	0.85(0.73-0.99)*

[#]Adjusted for age and area of study. ** $p<0.01$; * $p<0.05$; + $p<0.10$

Table 14. Age-adjusted Hazard Ratios[#] and 95% CI According to the Frequencies of Coffee and Tea Intake

	No. of subjects	Person -years	All causes No	All causes HR(95%CI)	All cancers No	All cancers HR(95%CI)	Esophageal cancer No	Esophageal cancer HR(95%CI)	Stomach cancer No	Stomach cancer HR(95%CI)	Colon cancer No	Colon cancer HR(95%CI)	Rectal cancer No	Rectal cancer HR(95%CI)	Liver cancer No	Liver cancer HR(95%CI)
Men																
Coffee																
≤2/m	12,384	149,460	3,386	1.00	1,256	1.00	69	1.00	253	1.00	70	1.00	47	1.00	174	1.00
1-4/w	7,047	85,847	896	0.81(0.75-0.88)**	404	0.96(0.85-1.09)	15	0.48(0.26-0.90)*	65	0.87(0.65-1.17)	27	0.80(0.48-1.33)	26	1.66(0.97-2.87)$^{+}$	28	0.33(0.21-0.51)**
1/day	14,628	188,064	3,114	0.85(0.79-0.90)**	1,165	0.95(0.86-1.05)	33	0.38(0.21-0.68)**	232	0.99(0.78-1.24)	63	0.52(0.32-0.84)**	57	1.16(0.71-1.87)	117	0.52(0.39-0.71)**
≥2/day	9,441	118,667	2,062	0.86(0.81-0.91)**	821	0.90(0.82-0.99)*	26	0.52(0.33-0.83)**	170	0.97(0.79-1.18)	46	0.86(0.59-1.26)	25	0.70(0.43-1.15)	115	0.73(0.58-0.93)*
Black tea																
Rare	27,241	335,114	5,813	1.00	2,242	1.00	109	1.00	429	1.00	128	1.00	95	1.00	236	1.00
1-2/m	4,371	53,769	839	0.90(0.84-0.97)**	303	0.86(0.76-0.97)*	4	0.25(0.09-0.68)**	69	1.03(0.80-1.33)	18	0.86(0.52-1.41)	14	0.94(0.54-1.66)	35	0.86(0.60-1.22)
≥1-2/w	4,756	60,074	800	0.88(0.82-0.95)**	309	0.87(0.77-0.98)*	10	0.59(0.31-1.14)	65	0.97(0.75-1.27)	20	0.94(0.58-1.51)	16	1.03(0.60-1.75)	35	0.85(0.60-1.22)
Green tea																
≤4/w	6,853	85,840	1,442	1.00	513	1.00	19	1.00	88	1.00	35	1.00	21	1.00	83	1.00
1-3/day	15,534	192,391	3,342	0.93(0.86-0.99)*	1,294	1.11(0.99-1.24)$^{+}$	57	1.54(0.88-2.70)	264	1.27(0.97-1.65)$^{+}$	75	0.97(0.62-1.51)	59	1.31(0.76-2.27)	103	0.68(0.49-0.94)*
≥4/day	19,641	246,447	4,373	0.99(0.93-1.05)	1,695	1.11(1.00-1.23)*	66	1.40(0.83-2.36)	338	1.21(0.95-1.54)	94	0.91(0.61-1.36)	64	1.02(0.61-1.69)	222	0.89(0.69-1.16)
Oolong tea																
Rare	25,357	311,162	5,524	1.00	2,128	1.00	95	1.00	425	1.00	125	1.00	89	1.00	207	1.00
1-2/m	5,673	71,395	968	0.98(0.91-1.05)	365	0.94(0.84-1.05)	10	0.55(0.28-1.06)$^{+}$	71	0.93(0.72-1.20)	21	0.83(0.52-1.32)	16	0.88(0.52-1.52)	46	1.09(0.78-1.50)
≥2/w	2,959	37,992	441	0.91(0.83-1.01)$^{+}$	179	0.93(0.80-1.09)	6	0.68(0.29-1.56)	22	0.57(0.37-0.88)*	13	1.04(0.58-1.86)	10	1.11(0.57-2.15)	30	1.43(0.97-2.11)$^{+}$
Women																
Coffee																
≤2/m	19,139	241,799	2,736	1.00	841	1.00	14	1.00	132	1.00	85	1.00	34	1.00	96	1.00
1-4/w	7,864	96,466	388	0.80(0.71-0.90)**	153	0.85(0.70-1.02)$^{+}$	3	1.15(0.29-4.54)	25	1.01(0.64-1.61)	11	0.68(0.35-1.32)	8	1.15(0.47-2.79)	9	0.39(0.19-0.81)
1/day	20,517	269,831	2,237	0.75(0.69-0.82)**	749	0.90(0.79-1.04)	8	0.76(0.23-2.56)	119	1.00(0.71-1.42)	74	1.00(0.64-1.56)	24	0.61(0.29-1.30)	54	0.50(0.31-0.81)**
≥2/day	12,590	163,870	1,229	0.85(0.79-0.91)**	436	0.92(0.81-1.03)	1	0.17(0.02-1.30)$^{+}$	77	1.09(0.82-1.46)	33	0.80(0.53-1.21)	16	0.77(0.41-1.43)	48	0.80(0.56-1.15)
Black tea																
Rare	36,030	457,598	3,987	1.00	1,276	1.00	17	1.00	211	1.00	127	1.00	54	1.00	113	1.00
1-2/m	7,364	91,601	649	0.92(0.84-1.00)*	240	1.02(0.89-1.18)	0	NA	37	1.01(0.71-1.44)	24	1.10(0.70-1.71)	6	0.66(0.28-1.54)	17	0.77(0.46-1.29)
≥1/w	7,248	93,059	522	0.80(0.73-0.87)**	207	0.93(0.80-1.07)	3	1.22(0.35-4.24)	28	0.80(0.54-1.19)	23	1.12(0.71-1.75)	5	0.54(0.22-1.36)	21	1.04(0.65-1.66)
Green tea																
≤3/w	10,598	135,977	1,145	1.00	358	1.00	3	1.00	54	1.00	44	1.00	16	1.00	43	1.00
1-3/day	20,602	262,356	2,116	0.79(0.73-0.85)**	700	0.91(0.79-1.05)	11	1.44(0.37-5.53)	120	0.98(0.69-1.40)	77	0.74(0.49-1.12)	28	1.01(0.51-1.98)	50	0.69(0.44-1.08)
≥4/day	26,282	341,112	3,068	0.93(0.86-1.00)*	1,011	1.01(0.89-1.15)	13	1.46(0.41-5.28)	156	1.02(0.74-1.40)	82	0.74(0.50-1.08)	37	0.99(0.54-1.83)	101	0.85(0.59-1.23)
Oolong tea																
Rare	33,291	420,491	3,698	1.00	1,198	1.00	19	1.00	207	1.00	125	1.00	45	1.00	93	1.00
1-2/m	10,039	128,668	827	0.95(0.88-1.03)	325	1.04(0.92-1.18)	1	0.27(0.03-2.04)	35	0.70(0.49-1.01)$^{+}$	36	1.15(0.78-1.68)	12	1.01(0.53-1.95)	50	2.08(1.46-2.97)**
≥2/w	3,674	47,985	268	0.84(0.74-0.95)**	104	0.91(0.74-1.11)	1	0.68(0.09-5.20)	19	1.04(0.65-1.68)	8	0.72(0.35-1.48)	5	1.15(0.45-2.93)	8	0.93(0.45-1.93)

[#]Adjusted for age and area of study. ** $p<0.01$; * $p<0.05$; $^{+}$ $p<0.10$ NA: not applicable

Table 14. Continued. Age-adjusted Hazard Ratios# and 95% CI According to the Frequencies of Coffee and Tea Intake

	No. of subjects	Person -years	Gall bladder cancer No	HR(95%CI)	Pancreas cancer No	HR(95%CI)	Lung cancer No	HR(95%CI)	Breast cancer No	HR(95%CI)	Uterine cervix cancer No	HR(95%CI)	Prostate cancer No	HR(95%CI)
Men														
Coffee														
≤1-2/m	12,384	149,460	25	1.00	72	1.00	289	1.00		NA		NA	47	1.00
1-4/w	7,047	85,847	5	0.86(0.31-2.41)	26	1.13(0.69-1.85)	104	1.18(0.92-1.51)		NA		NA	12	0.96(0.48-1.92)
1/day	14,628	188,064	19	1.00(0.47-2.12)	74	1.18(0.79-1.76)	268	1.16(0.94-1.42)		NA		NA	64	1.19(0.71-1.97)
≥2/day	9,441	118,667	19	1.11(0.60-2.05)	38	0.75(0.50-1.11)	184	0.94(0.78-1.14)		NA		NA	38	1.13(0.73-1.75)
Black tea														
Rare	27,241	335,114	44	1.00	136	1.00	547	1.00		NA		NA	87	1.00
1-2/m	4,371	53,769	3	0.45(0.14-1.46)	16	0.74(0.44-1.24)	62	0.74(0.57-0.96)*		NA		NA	19	1.24(0.75-2.05)
≥1-2/w	4,756	60,074	5	0.77(0.30-1.94)	16	0.75(0.45-1.27)	73	0.87(0.68-1.11)		NA		NA	19	1.33(0.81-2.20)
Green tea														
≤4/w	6,853	85,840	11	1.00	30	1.00	97	1.00		NA		NA	25	1.00
1-3/day	15,534	192,391	23	1.05(0.47-2.34)	64	1.01(0.63-1.62)	324	1.44(1.12-1.84)**		NA		NA	50	0.78(0.46-1.34)
≥4/day	19,641	246,447	29	0.97(0.47-2.01)	106	1.27(0.83-1.93)	397	1.41(1.12-1.77)**		NA		NA	78	0.96(0.60-1.53)
Oolong tea														
Rare	25,357	311,162	43	1.00	115	1.00	520	1.00		NA		NA	97	1.00
1-2/m	5,673	71,395	6	0.84(0.35-1.99)	25	1.23(0.79-1.90)	75	0.83(0.65-1.07)		NA		NA	16	0.92(0.54-1.57)
≥1-2/w	2,959	37,992	2	0.59(0.14-2.46)	17	1.69(1.01-2.85)*	44	1.00(0.73-1.37)		NA		NA	6	0.75(0.33-1.72)
Women														
Coffee														
≤1-2/m	19,139	241,799	38	1.00	69	1.00	87	1.00	29	1.00	13	1.00		NA
1-4/w	7,864	96,466	3	0.29(0.09-0.99)*	20	1.49(0.85-2.59)	24	1.30(0.79-2.15)	6	0.56(0.22-1.43)	4	1.04(0.30-3.63)		NA
1/day	20,517	269,831	29	0.64(0.32-1.30)	88	1.14(0.73-1.80)	81	1.10(0.74-1.64)	47	1.54(0.88-2.69)	12	0.96(0.35-2.62)		NA
≥2/day	12,590	163,870	21	1.01(0.58-1.75)	33	0.94(0.62-1.44)	61	1.23(0.88-1.73)	16	0.72(0.38-1.35)	4	0.43(0.14-1.36)		NA
Black tea														
Rare	36,030	457,598	54	1.00	124	1.00	139	1.00	50	1.00	20	1.00		NA
1-2/m	7,364	91,601	10	0.96(0.48-1.90)	26	1.13(0.73-1.73)	27	1.06(0.69-1.60)	16	1.50(0.84-2.67)	3	0.68(0.20-2.32)		NA
≥1-2/w	7,248	93,059	10	1.01(0.51-1.99)	25	1.12(0.73-1.73)	25	1.05(0.68-1.61)	7	0.65(0.29-1.44)	3	0.73(0.22-2.49)		NA
Green tea														
≤3-4/w	10,598	135,977	9	1.00	27	1.00	39	1.00	17	1.00	6	1.00		NA
1-3/day	20,602	262,356	36	1.77(0.80-3.92)	73	0.99(0.62-1.60)	76	0.90(0.60-1.37)	24	0.81(0.41-1.58)	10	0.63(0.21-1.89)		NA
≥4/day	26,282	341,112	42	1.51(0.72-3.18)	95	1.18(0.76-1.84)	122	1.14(0.79-1.66)	52	1.24(0.70-2.19)	14	0.78(0.29-2.11)		NA
Oolong tea														
Rare	33,291	420,491	59	1.00	126	1.00	132	1.00	44	1.00	22	1.00		NA
1-2/m	10,039	128,668	8	0.52(0.24-1.10)+	25	0.69(0.45-1.07)+	41	1.22(0.85-1.75)	18	1.32(0.75-2.31)	3	0.47(0.14-1.59)		NA
≥1-2/w	3,674	47,985	3	0.51(0.16-1.64)	7	0.52(0.24-1.11)+	9	0.75(0.38-1.49)	8	1.55(0.72-3.33)	1	0.42(0.06-3.16)		NA

#Adjusted for age and area of study. ** $p<0.01$; * $p<0.05$; + $p<0.10$ NA: not applicable

Table 14. Continued. Hazard Ratios[#] and 95% CI According to the the Frequencies of Coffee and Tea Intake

	No. of subjects	Person -years	Kidney cancer No	Kidney cancer HR(95%CI)	Urothelial tract cancer No	Urothelial tract cancer HR(95%CI)	Non-Hodgkin's No	Non-Hodgkin's HR(95%CI)	Multiple myeloma No	Multiple myeloma HR(95%CI)	Myeloid leukemia No	Myeloid leukemia HR(95%CI)	Ischemic heart disease No	Ischemic heart disease HR(95%CI)	Cerebrovascular No	Cerebrovascular HR(95%CI)
Men																
Coffee																
≤1-2/m	12,384	149,460	8	1.00	32	1.00	27	1.00	16	1.00	8	1.00	199	1.00	467	1.00
1-4/w	7,047	85,847	8	1.93(0.68-5.49)	6	0.70(0.28-1.76)	11	1.14(0.52-2.47)	6	0.85(0.28-2.54)	7	1.92(0.63-5.80)	66	1.02(0.75-1.38)	81	0.53(0.41-0.68)**
1/day	14,628	188,064	15	1.69(0.62-4.62)	28	1.18(0.64-2.19)	30	1.04(0.54-2.02)	14	0.45(0.16-1.25)	15	1.73(0.62-4.83)	220	1.12(0.88-1.43)	406	0.64(0.52-0.77)**
≥2/day	9,441	118,667	10	1.76(0.69-4.49)	23	1.02(0.59-1.76)	19	0.94(0.52-1.72)	12	0.85(0.39-1.82)	12	2.08(0.84-5.16)	125	0.90(0.72-1.13)	264	0.82(0.71-0.96)*
Black tea																
Rare	27,241	335,114	18	1.00	55	1.00	48	1.00	26	1.00	22	1.00	374	1.00	745	1.00
1-2/m	4,371	53,769	6	2.28(0.90-5.78)[+]	4	0.44(0.16-1.22)	9	1.20(0.59-2.46)	2	0.52(0.12-2.20)	7	2.12(0.90-5.00)[+]	53	0.86(0.65-1.15)	119	0.98(0.81-1.19)
≥1-2/w	4,756	60,074	8	3.00(1.30-6.96)*	2	0.23(0.06-0.95)*	5	0.65(0.26-1.64)	3	0.72(0.22-2.40)	6	1.67(0.67-4.15)	56	0.94(0.71-1.25)	107	0.94(0.77-1.15)
Green tea																
≤3-4/w	6,853	85,840	6	1.00	12	1.00	9	1.00	8	1.00	4	1.00	118	1.00	180	1.00
1-3/day	15,534	192,391	20	1.15(0.42-3.17)	28	0.86(0.41-1.82)	31	1.38(0.62-3.07)	17	0.97(0.38-2.51)	19	1.33(0.43-4.10)	209	0.63(0.49-0.81)**	447	0.88(0.73-1.07)
≥4/day	19,641	246,447	15	0.88(0.33-2.32)	41	1.13(0.58-2.19)	42	1.59(0.76-3.35)	21	0.90(0.39-2.09)	16	1.14(0.37-3.52)	256	0.65(0.52-0.82)**	555	1.01(0.85-1.20)
Oolong tea																
Rare	25,357	311,162	22	1.00	51	1.00	44	1.00	24	1.00	27	1.00	339	1.00	732	1.00
1-2/m	5,673	71,395	4	1.10(0.37-3.26)	8	0.95(0.45-2.04)	12	1.47(0.77-2.82)	5	1.08(0.40-2.91)	2	0.36(0.09-1.54)	77	1.29(1.00-1.66)*	120	0.93(0.76-1.13)
≥1-2/w	2,959	37,992	2	1.12(0.26-4.85)	4	0.96(0.34-2.67)	6	1.51(0.64-3.60)	0	NA	4	1.44(0.49-4.21)	36	1.20(0.85-1.70)	49	0.80(0.60-1.07)
Women																
Coffee																
≤ 1-2/m	19,139	241,799	9	1.00	16	1.00	30	1.00	23	1.00	12	1.00	167	1.00	450	1.00
1-4/w	7,864	96,466	0	N.A	0	N.A	7	0.84(0.33-2.13)	4	0.82(0.25-2.67)	0	NA	20	0.70(0.43-1.13)	69	0.97(0.73-1.28)
1/day	20,517	269,831	6	0.15(0.01-1.49)	16	0.84(0.27-2.56)	12	0.36(0.14-0.92)*	16	0.59(0.23-1.52)	15	1.19(0.42-3.36)	140	0.74(0.52-1.03)[+]	365	0.62(0.49-0.77)**
≥2/day	12,590	163,870	4	0.90(0.27-3.06)	6	0.56(0.21-1.50)	14	0.84(0.44-1.62)	6	0.42(0.17-1.05)[+]	6	0.81(0.29-2.25)	88	1.01(0.77-1.31)	167	0.78(0.65-0.94)**
Black tea																
Rare	36,030	457,598	10	1.00	18	1.00	41	1.00	25	1.00	19	1.00	258	1.00	670	1.00
1-2/m	7,364	91,601	2	1.16(0.25-5.33)	3	0.84(0.25-2.88)	8	1.09(0.51-2.37)	7	1.47(0.63-3.44)	6	1.42(0.56-3.60)	34	0.75(0.52-1.07)	104	0.88(0.72-1.09)
≥1-2/w	7,248	93,059	5	3.07(1.03-9.15)*	4	1.20(0.40-3.56)	6	0.84(0.35-1.99)	3	0.66(0.20-2.22)	2	0.49(0.11-2.14)	32	0.80(0.55-1.15)	78	0.73(0.57-0.92)**
Green tea																
≤3-4/w	10,598	135,977	4	1.00	7	1.00	6	1.00	12	1.00	4	1.00	73	1.00	161	1.00
1-3/day	20,602	262,356	6	0.37(0.09-1.51)	11	0.78(0.25-2.36)	24	2.13(0.82-5.53)	15	0.49(0.21-1.17)	12	1.71(0.48-6.05)	143	0.86(0.63-1.19)	346	0.80(0.65-0.98)*
≥ 4/day	26,282	341,112	8	0.58(0.16-2.20)	20	0.86(0.35-2.10)	30	1.88(0.76-4.66)	17	0.45(0.21-0.99)*	15	1.11(0.35-3.53)	176	0.87(0.66-1.16)	507	1.04(0.86-1.25)
Oolong tea																
Rare	33,291	420,491	8	1.00	18	1.00	36	1.00	17	1.00	21	1.00	235	1.00	629	1.00
1-2/m	10,039	128,668	4	1.89(0.55-6.53)	7	1.54(0.63-3.76)	7	0.75(0.33-1.72)	7	1.59(0.64-3.91)	3	0.45(0.13-1.52)	42	0.89(0.63-1.24)	131	0.93(0.77-1.13)
≥ 1-2/w	3,674	47,985	1	1.21(0.15-9.92)	1	0.57(0.07-4.28)	5	1.54(0.59-3.97)	7	4.30(1.74-10.6)**	2	0.75(0.17-3.22)	20	1.16(0.73-1.85)	40	0.77(0.56-1.06)

[#]Adjusted for age and area of study. ** $p<0.01$; * $p<0.05$; [+] $p<0.10$ NA: not applicable

from ischemic heart disease and the higher mortality from colon cancer associated with potato intake, 2) the lower mortality from liver cancer associated with pork intake, 3) the excess mortality from cervical cancer associated with liver intake, and 4) the excess mortality from stomach, colorectal and liver cancer associated with boiled bean intake. The associations could by explained by confounding factors were 1) the excess mortality from lung cancer associated with rice and miso soup intake at age around 30 years (could be confounded by smoking), 2) the excess mortality from lung cancer associated with the preference of salty foods (could be confounded by smoking), and 3) the lower mortality from all causes, ischemic heart disease and cerebrovascular disease associated with sweets (could be confounded by socioeconomic factors).

The associations could be explained by reverse causation included 1) the excess mortality from cancers of lung, prostate and gall bladder, and ischemic heart disease associated with the supplemental use of multivitamin, vitamins B1 or C, 2) the lower mortality from all causes, ischemic heart and cerebrovascular disease associated with the intake of salty pickles, and 3) the excess mortality from ischemic heart disease associated with oolong tea intake.

References *(non-JACC studies)

Anthony MS, Clarkson TB, Williams JK* (1998). Effects of soy isoflavones on atherosclerosis: potential mechanisms. *Am J Clin Nutr*, **68**, 1390S-3S.

Ascherio A, Rimm EB, Hernan MA, et al* (1999). Relation of consumption of vitamin E, vitamin C, and carotenoids to risk for cerebrovascular disease for men in the United States. *Ann Intern Med*, **130**, 963-70.

Dave B, Eason RR, Till SR, et al* (2005). The soy isoflavone genistein promotes apoptosis in mammary epithelial cells by inducing the tumor suppressor PTEN. *Carcinogenesis*, **26**, 1793-803.

Inoue M, Yoshimi I, Sobue T, Tsugane S; JPHC Study Group* (2005). Influence of coffee drinking on subsequent risk of hepatocellular carcinoma: a prospective study in Japan. *J Natl Cancer Inst*, **97**, 293-300.

Iso H, Date C, Noda H, et al, for the JACC Study Group (2005). Frequency of food intake and estimated nutrient intake among men and women: the JACC Study. *J Epidemiol*, **15 Suppl 1**, S24-42.

Iso H, Kobayashi M, Ishihara J, et al; JPHC Study Group* (2006). Intake of fish and n3 fatty acids and risk of ischemic heart disease for Japanese: the Japan Public Health Center-Based (JPHC) Study Cohort I. *Circulation*, **113**, 195-202.

Ito Y, Wakai K, Suzuki K, et al, for the JACC Study Group (2003). Serum carotenoids and mortality from lung cancer: a case-control study nested in the Japan Collaborative Cohort (JACC) Study. *Cancer Sci*, **94**, 57-63.

Ito Y, Wakai K, Suzuki K, et al, for the JACC Study Group (2005). Lung cancer mortality and serum levels of carotenoids, retinol, tocopherols, and folic acid in men and women: a case-control study nested in the JACC Study. *J Epidemiol*, **15 Suppl 2**, S140-9.

Kojima M, Wakai K, Tokudome S, et al, for the JACC Study Group (2005). Serum levels of polyunsaturated fatty acids and risk of colorectal cancer: a prospective study. *Am J Epidemiol*, **161**, 462-71.

Kurozawa Y, Ogimoto I, Shibata A, et al, for the JACC Study Group (2005a). Coffee and risk of death from hepatocellular carcinoma in a large cohort study in Japan. *Br J Cancer*, **93**, 607-10.

Leppala JM, Virtamo J, Fogelholm R, et al* (2000). Vitamin E and beta carotene supplementation in high risk for cerebrovascular disease: a subgroup analysis of the Alpha-Tocopherol, Beta-Carotene Cancer Prevention Study. *Arch Neurol*, **57**, 1503-9.

Nagano J, Kono S, Preston DL, et al* (2000). Bladder-cancer incidence in relation to vegetable and fruit consumption: a prospective study of atomic-bomb survivors. *Int J Cancer*, **86**, 132-8.

Nagata C, Takatsuka N, Shimizu N, Shimizu H* (2004). Sodium intake and risk of death from stroke in Japanese men and women. *Stroke*, **35**, 1543-7.

Nishio K, Niwa Y,Toyoshima H, et al (2007). Consumption of soy foods and the risk of breast cancer: findings from the Japanese Collaborative Cohort (JACC) Study. *Cancer Causes Control*, **18**, 801-8.

Ozasa K, Ito Y, Suzuki K, et al, for the JACC Study Group (2005b). Association of serum carotenoid concentration and dietary habits among the JACC Study subjects. *J Epidemiol*, **15 Suppl 2**, S220-7.

Ozasa K, Nakao M, Watanabe Y,et al , for the JACC Study Group (2005a). Association of serum phytoestrogen concentration and dietary habits in a sample set of the JACC Study. *J Epidemiol*, **15 Suppl 2**, S196-202.

Ozasa K, Watanabe Y, Ito Y, et al, for the JACC Study Group (2001). Dietary habits and risk of lung cancer death in a large-scale cohort study (JACC Study) in Japan by sex and smoking habit. *Jpn J Cancer Res*, **92**, 1259-69.

Sakauchi F, Mori M, Washio M, et al, for the JACC Study Group (2004). Dietary habits and risk of urothelial cancer death in a large-scale cohort study (JACC Study) in Japan. *Nutr Cancer* , **50**, 33-9.

Sakauchi F, Mori M, Washio M, et al, for the JACC Study Group (2005). Dietary habits and risk of urothelial cancer incidence in the JACC Study. *J Epidemiol*, **15 Suppl 2**, S190-5.

Sauvaget C, Nagano J, Allen N, Kodama K* (2003).Vegetable and fruit intake and stroke mortality in the Hiroshima/ Nagasaki Life Span Study. *Stroke*, **34**, 2355-60.

Tokui N, Yoshimura T, Fujino Y, et al, for the JACC Study Group (2005). Dietary habits and stomach cancer risk in the JACC Study. *J Epidemiol*, **15 Suppl 2**, S98-108.

Umesawa M, Iso H, Date C, et al, for the JACC Study Group (2006). Dietary intake of calcium in relation to mortality from cardiovascular disease: the JACC Study. *Stroke*, **37**, 20-6.

Vitetta L, Sali A, Little P, Mrazek L* (2000). Gallstones and gall bladder carcinoma. *Aust N Z J Surg*, **70**, 667-73.

Wakai K, Ito Y, Kojima M, et al, for the JACC Study Group (2005). Intake frequency of fish and serum levels of long-chain n-3 fatty acids: a cross-sectional study within the Japan Collaborative Cohort Study. *J Epidemiol*, **15**, 211-8.

Yamamoto S, Sobue T, Kobayashi M, Sasaki S, Tsugane S; Japan Public Health Center-Based Prospective Study on Cancer Cardiovascular Diseases Group* (2003). Soy, isoflavones, and breast cancer risk in Japan. *J Natl Cancer Inst*, **95**, 906-13.

Yokoyama T, Date C, Kokubo Y, Matsumura Y, Tanaka H* (2000). Serum vitamin C concentration was inversely associated with subsequent 20-year incidence of stroke in a Japanese rural community. The Shibata study. *Stroke*, **31**, 2287-94.