

Supplementary Table A1. Odds ratios (OR) and 95% confidence intervals (CI) of diabetes risk according to baseline use of multivitamins in subgroup analyses *

Subgroup		Frequency of any multivitamin use (times / week)					P for trend
		Never	< 1	1-3	4-6	7	
Age							
< 60 years	No. of cases	2,492	126	273	300	2,213	0.46
	OR (95% CI)	1.00	1.00 (0.82-1.22)	0.93 (0.80-1.07)	0.88 (0.77-1.01)	1.03 (0.96-1.11)	
60-64 years	No. of cases	1,812	93	170	210	1,747	0.93
	OR (95% CI)	1.00	1.23 (0.98-1.55)	0.98 (0.82-1.18)	0.98 (0.83-1.15)	1.06 (0.98-1.14)	
≥ 65 years	No. of cases	2,179	72	183	189	2,071	0.31
	OR (95% CI)	1.00	1.00 (0.78-1.29)	1.01 (0.86-1.20)	0.91 (0.77-1.07)	0.97 (0.90-1.04)	
Sex							
Men	No. of cases	4,474	172	357	412	3,626	0.65
	OR (95% CI)	1.00	1.02 (0.86-1.21)	0.93 (0.82-1.05)	0.89 (0.80-1.00)	1.02 (0.97-1.07)	
Women	No. of cases	2,009	119	269	287	2,405	0.85
	OR (95% CI)	1.00	1.12 (0.92-1.38)	1.02 (0.89-1.18)	0.95 (0.83-1.09)	1.02 (0.95-1.09)	
Health status							
Excellent / very good	No. of cases	2,778	139	250	301	2,703	0.13
	OR (95% CI)	1.00	1.19 (0.99-1.44)	0.92 (0.80-1.07)	0.90 (0.79-1.03)	1.06 (1.00-1.13)	
Good, Fair or poor	No. of cases	3,618	149	364	391	3,243	0.50
	OR (95% CI)	1.00	0.96 (0.81-1.15)	0.99 (0.87-1.12)	0.94 (0.83-1.05)	0.98 (0.93-1.04)	
Smoking							
Never smokers	No. of cases	2,136	103	226	258	2,109	0.28
	OR (95% CI)	1.00	1.04 (0.84-1.29)	0.96 (0.83-1.12)	0.96 (0.83-1.10)	1.04 (0.97-1.12)	
Ever smokers	No. of cases	4,035	176	378	408	3,638	0.76
	OR (95% CI)	1.00	1.09 (0.92-1.29)	0.98 (0.87-1.11)	0.89 (0.79-1.00)	1.00 (0.95-1.06)	
BMI, kg/m²							
12.0-24.9	No. of cases	866	41	102	105	972	0.50
	OR (95% CI)	1.00	1.05 (0.75-1.46)	1.07 (0.86-1.34)	0.89 (0.71-1.11)	0.98 (0.88-1.08)	
25.0-29.9	No. of cases	2,763	118	251	291	2,622	0.55
	OR (95% CI)	1.00	1.02 (0.84-1.25)	0.93 (0.81-1.08)	0.89 (0.78-1.02)	1.03 (0.96-1.09)	
≥ 30.0	No. of cases	2,682	124	252	290	2,302	0.52
	OR (95% CI)	1.00	1.14 (0.93-1.40)	0.94 (0.81-1.09)	0.97 (0.84-1.12)	1.03 (0.96-1.10)	
Physical activity							
Never / rarely	No. of cases	1,467	66	134	117	1,121	0.67
	OR (95% CI)	1.00	1.08 (0.82-1.43)	1.03 (0.84-1.26)	0.85 (0.69-1.06)	1.04 (0.94-1.14)	
≥ 1 time / month	No. of cases	4,957	225	491	576	4,866	0.75
	OR (95% CI)	1.00	1.08 (0.93-1.24)	0.96 (0.87-1.07)	0.94 (0.85-1.03)	1.01 (0.97-1.06)	

* Adjusted for age, gender, race, BMI, education levels, marital status, physical activity, smoking status, coffee consumption, alcohol consumption, general health status, total energy intake and use of individual vitamins and minerals.

Supplementary Table A2. Odds ratios (OR) and 95% confidence intervals (CI) of diabetes according to baseline use of vitamin C and calcium supplements in subgroup analyses *

		Vitamin C supplement intake (times / week)					P for trend	P for interaction	
		Never	< 1	1-3	4-6	7			
Any multivitamins									
Non-users	No. of cases	5,412	97	99	82	777	0.007	0.049	
	OR (95% CI)	1.00	0.86 (0.69-1.07)	0.96 (0.77-1.19)	0.74 (0.58-0.93)	0.90 (0.82-0.98)			
Users	No. of cases	3,340	538	460	368	2,920	0.31		
	OR (95% CI)	1.00	0.98 (0.89-1.08)	0.97 (0.87-1.08)	0.89 (0.79-1.00)	0.98 (0.93-1.03)			
Dietary Vitamin C									
Below median (< 138.6)	No. of cases	4,376	303	255	198	1,485	0.004	0.668	
	OR (95% CI)	1.00	0.91 (0.80-1.03)	0.93 (0.81-1.07)	0.81 (0.69-0.94)	0.91 (0.85-0.98)			
Above median (≥ 138.6)	No. of cases	3,740	287	264	214	1,980	0.24		
	OR (95% CI)	1.00	0.98 (0.86-1.12)	0.98 (0.86-1.13)	0.86 (0.74-1.00)	0.97 (0.91-1.03)			
			Calcium supplement use (times / week)						
Any multivitamins									
Non-users	No. of cases	5,751	113	100	65	438	0.0004	0.217	
	OR (95% CI)	1.00	0.94 (0.77-1.16)	0.92 (0.74-1.14)	0.78 (0.59-1.01)	0.82 (0.73-0.92)			
Users	No. of cases	4,208	530	497	346	2,045	0.0004		
	OR (95% CI)	1.00	0.94 (0.85-1.04)	0.93 (0.84-1.03)	0.86 (0.76-0.97)	0.90 (0.84-0.95)			
Dietary calcium, mg									
Below median (<679.0)	No. of cases	4,551	282	270	174	1,142	0.003	0.719	
	OR (95% CI)	1.00	0.93 (0.82-1.06)	0.96 (0.84-1.10)	0.79 (0.67-0.93)	0.90 (0.83-0.97)			
Above median (≥ 679.0)	No. of cases	4,699	314	288	198	1,184	0.0001		
	OR (95% CI)	1.00	0.95 (0.84-1.08)	0.90 (0.79-1.02)	0.83 (0.71-0.97)	0.87 (0.80-0.94)			

* Adjusted for age, gender, race, BMI, education levels, marital status, physical activity, smoking status, coffee consumption, alcohol consumption, general health status, and total energy intake; supplemental use of vitamin C and calcium was mutually adjusted.