

Supplemental Table 1. Prospective studies on total legume consumption and cardiovascular disease incidence in 163,974 participants.

First Author (Reference)	Study	Country	Participants	Years of Follow-Up	Exposure
Bazzano et al. (20)	NHANES I	USA	9,632 men and women	19	Soybeans, dry beans and peas like pinto beans, red beans, black-eye [sic] peas, peanuts and peanut butter
Martinez-Gonzalez et al. (21)	The SUN	Spain	13,609 men and women	4.9	Unspecified legumes
Nouri et al. (22)	Isfahan Cohort study	Iran	6,504 men and women	6.8	Unspecified legumes
Stewart et al. (24)	STABILITY trial	Global	15,482 patients with stable coronary heart disease	3.7	Tofu/soybean curd (textured vegetable protein, soya milk, etc.)
Miller et al. (23)	PURE	18 countries	135,335 men and women	7.4	Legumes (beans, black beans, lentils, peas, chickpeas, and black-eyed peas)

NHANES I, First National Health and Nutrition Examination Survey; PURE, Prospective Urban Rural Epidemiology; STABILITY, Stabilisation of atherosclerotic plaque by initiation of darapladib therapy; SUN, Seguimiento Universidad de Navarra

Supplemental Table 2. Prospective studies on total legume consumption and coronary heart disease incidence in 184,129 participants.

First Author (Year) (Reference)	Study	Country	Participants	Years of Follow-Up	Exposure
Bazzano et al. (20)	NHANES I	USA	9,632 men and women	19	Soy legumes, dry beans and peas like pinto beans, red beans, black-eye [sic] peas, peanuts and peanut butter
Buckland et al. (27)	EPIC- Spanish study	Spain	15,335 men 25,422 women	10.4	Unspecified legumes
Bernstein et al. (28)	NHS	USA	84,136 women	26	Beans or lentils, baked or dry
Martinez-Gonzalez et al. (21)	The SUN study	Spain	13,609 men and women	4.9	Unspecified legumes
Dilis et al. (29)	EPIC-Greek study	Greece	9,740 men 14,189 women	10	Unspecified legumes
Haring et al. (30)	ARIC	USA	12,066 men and women	22	Unspecified legumes

ARIC, Atherosclerosis Risk in Communities; EPIC, European Prospective Investigation into Cancer and Nutrition; NHANES I, First National Health and Nutrition Examination Survey; NHS, Nurses' Health Study; SUN, Seguimiento Universidad de Navarra.

Supplemental Table 3. Prospective studies on total legume consumption and stroke incidence in 342,079 participants.

First Author (Year) (Reference)	Study	Country	Participants	Years of Follow-Up	Exposure
Kokubo et al. (18)	Japan Public Health Center-based	Japan	19,466 men 20,984 women	12.5	Soy legumes
Mizrahi et al. (33)	Finnish Mobile Clinic Health Examination Survey	Finland	3,932 men and women	24	Unspecified legumes
Bernstein et al. (34)	NHS + HPFS	USA	43,150 men 84,010 women	26 NHS + 22 HPFS	Legumes (dry beans, peas, soy, and tofu)
Misirli et al. (35)	EPIC-Greek study	Greece	23,601 men and women	10.6	Unspecified legumes
Haring et al. (36)	ARIC	USA	11,601 men and women	22	Unspecified legumes
Miller et al. (23)	PURE	18 countries	135,335 men and women	7.4	Legumes (beans, black beans, lentils, peas, chickpeas, and black-eyed peas)

ARIC, Atherosclerosis Risk in Communities; EPIC, European Prospective Investigation into Cancer and Nutrition; HPFS, Health Professionals Follow-Up Study; NHS, Nurses' Health Study; PURE, Prospective Urban Rural Epidemiology; SUN, Seguimiento Universidad de Navarra.

Supplemental Table 4. Prospective studies on total legume consumption and type 2 diabetes incidence in 539,752 participants.

First Author, Year	Study	Country	Participants	Years of Follow-Up	Exposure
Meyer et al. (42)	Iowa Women's Health Study	USA	35,988 postmenopausal women	6	Mature beans
Hodge et al. (43)	MCCS	Australia	31,641 otherwise healthy participants	4	Bean, pea, or lentil soup; green beans or peas; cooked dried bean, chickpea, or lentil dish (including baked beans)
Bazzano et al. (44)	NHSI	USA	71,346 female nurses	18	Tofu, peas and beans
Villegas et al. (45)	SWHS	China	64,227 middle-aged women	4.6	Peanuts, soybeans and other legumes
Nanri et al. (46)	JPHC	Japan	25,872 men 33,3919 women	5	Soy products (Miso soup, tofu, yushidofu, koyadofu, aburaage, natto and soy milk)
Morimoto et al. (47)	MEC	Hawaii	36,212 men 39,132 women	14	Tofu, miso, soup and vegetarian-meat products
Mueller et al. (48)	SCHS	Singapore	43,176 healthy participants	5.7	Total unsweetened soy
Ericson et al. (50)	MDC	Sweden	20,550 men 16,590 women	12	Not described
Tatsumi et al. (40)	Saku study	Japan	862 men with low BMI 876 men with high BMI	4	Soybeans products (soybean, tofu, koyadofu, aburaage and natto)
Von Ruesten et al. (49)	EPIC-Potsdam study	Germany	23,531 otherwise healthy participants	8	Green beans, green peas, lentil/pea/bean stew
Ding et al. (51)	NHSII HPFS	USA	79,061 younger female nurses 21,281 male dentist, pharmacists, vegetarians, optometrists, osteopathic	NR	Tofu and soymilk

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			physicians and podiatrists		
Becerra-Tomás et al. (14)	PREDIMED	Spain	3,349 elderly participants at high CVD risk	4.3	Non-soy legumes (lentils, chickpeas, dry beans and fresh peas)
Khalili-Moghadam et al. (41)	TLGS study	Iran	2,139 participants aged ≥ 20 years	6	Non-described

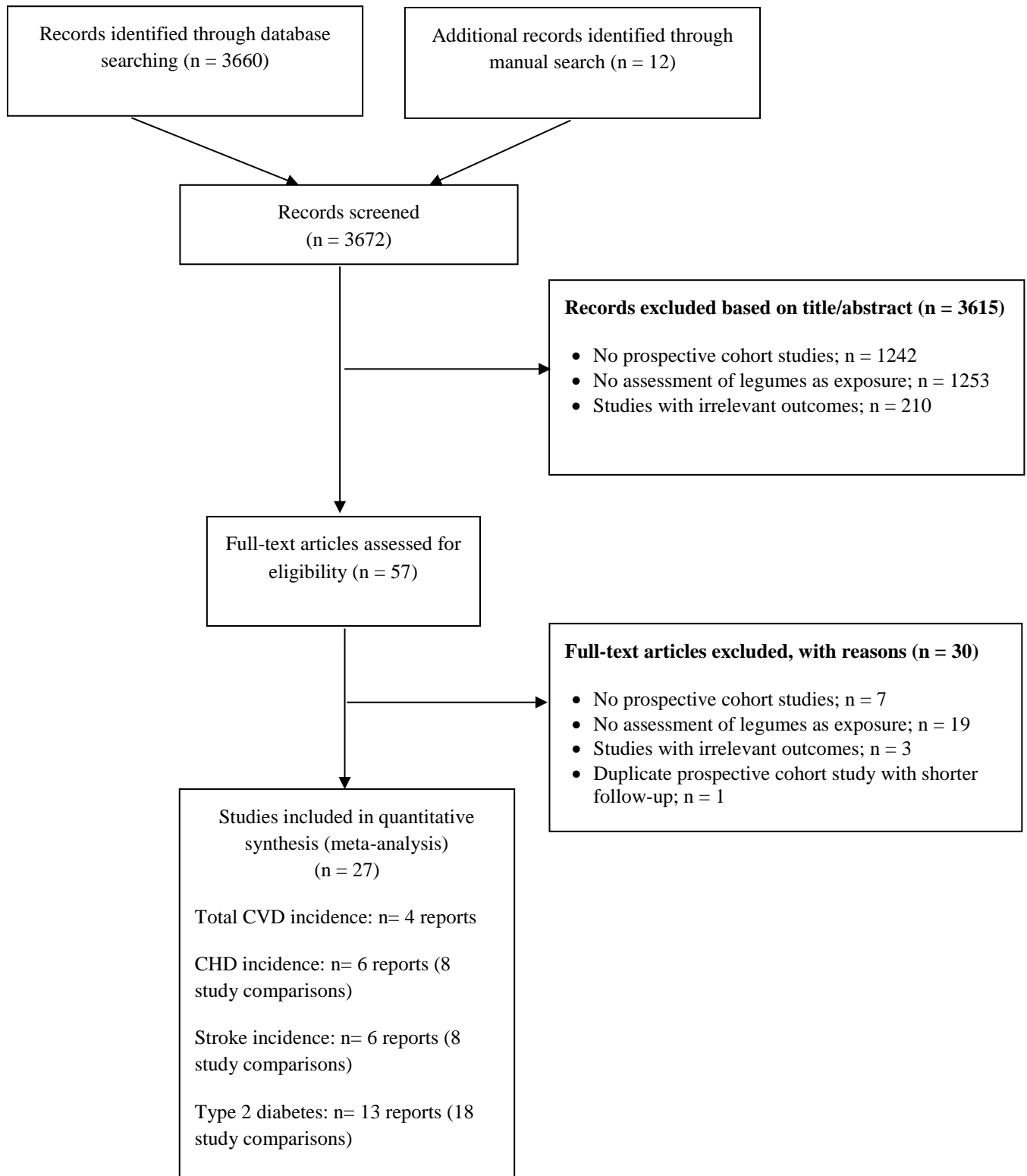
EPIC, European Prospective Investigation into Cancer and Nutrition; HPFS, Health Professionals Follow-up Study; JPHC, Japan Public Health Center-Based Prospective study; MCCS, Melbourne Collaborative cohort study; MDC, Malmo Diet and Cancer study; MEC, Multiethnic Cohort study; NHS, Nurses' Health Study; NR, non-reported; PREDIMED, PREvención con DIeta MEDiterránea Study; SCHS, Singapore Chinese Health Study; TLGS, Tehran Lipid and Glucose Study.

Supplementary Data

MEDLINE (Pubmed)	
1	"legumes"[All Fields] OR "dietary pulses"[All Fields] OR "soy"[All Fields] OR "soybeans"[All Fields] OR "fabaceae"[MeSH Terms]
2	cardiovascular diseases [Mesh Terms] OR "cardiovascular diseases"[All Fields] OR "coronary heart disease"[All Fields] OR "coronary disease"[All Fields] OR "Stroke"[All Fields] OR "CVD"[All Fields]
3	diabetes mellitus, type 2[MeSH Terms] OR "type 2 diabetes"[All fields] OR "diabetes"[All fields] OR "type 2 diabetes mellitus"[All fields] OR "diabetes mellitus"[All fields]
4	#1 AND (#2 OR #3)

Supplemental Figure 1. Literature search strategy.

Supplementary Data



Supplemental Figure 2. PRISMA flow diagram. CHD, coronary heart disease; CVD, cardiovascular disease