

Supplementary data

1 **Supplemental Table 1 Comparison of baseline characteristics between the total subcohort and the excluded**
 2 **participants**

Characteristics	Number of excluded participants	Excluded participants	Total subcohort (<i>n</i> = 14,694)
Age (years)	2,621	49.3 ± 10.0	52.9 ± 8.8
Men (%)	2,621	50.0	37.0
BMI (kg/m²)	2,424	26.8 ± 4.8	26.1 ± 4.2
WC (cm)			
Men	254	98.6 ± 12.4	95.2 ± 10.0
Women	349	86.8 ± 14.6	81.2 ± 11.2
Physically active (%)	2,236	16.2	20.2
Never smoking (%)	2,621	47.2	45.9
Post-secondary education (%)	2,291	15.8	20.6
Family History of Diabetes (%)	2,191	23.1	19.2
HbA1c ≥ 6.5%	2,338	5.9	1.6
Total energy intake (kcal)	2,504	1,864 (1,448 – 2,350)	2,074 (1,692 -2,538)

3 Data were shown as mean ± standard deviation, median (interquartile range) or as relative percentages.

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4 **Supplemental Table 2 Definition and content of the 39 food groups, developed to be used for dietary pattern**
 5 **analyses by the EPIC-InterAct consortium**

Food group	Definition and content
Potatoes	potatoes and potato products incl. French fries; other tubers e.g. sweet potato;
Leafy vegetables	e.g. lettuce; spinach; Swiss chard leaf; watercress
Fruiting vegetables	e.g. tomato; tomato puree; sweet pepper n.s.; avocado; eggplant; artichoke; okra, green beans; squash; cucumber; gherkins; capers
Root vegetables	e.g. carrot; celeriac; radish; turnip; salsify; parsnip; beetroot
Cabbage	e.g. broccoli/cauliflower; sauerkraut; green cabbage; Brussels sprouts
Other vegetables	e.g. mushrooms ; grain and pod vegetables; onion, garlic; stalk vegetables; sprouts; mixed salad, mixed vegetables
Legumes	e.g. red kidney beans; haricot beans; chickpeas; split peas; lentils
Fruits	All kinds of fruits incl. orange; grapefruit; lemon; apple; pear; grape; raisins; apricot; peach; nectarine; plum; mirabelle; cherry strawberry; raspberry; redcurrant; blackberry; banana; banana chips; kiwi
Nuts	e.g. walnut; hazelnut; hazelnut paste; almond; cashew nut; pecan nut; pistachio; paranut=brasilnut; macadamia; pine nut; peanuts; peanut butter; coated peanuts; pumpkin; poppy; sesame, sunflower; flaxseed; tahini; coconut; chestnut
Other fruits	e.g. mixed fruits; olives
Milk and dairy products	milk and milk beverages; yoghurt; fromage blanc; cream desserts, puddings (milk based); dairy creams; milk for coffee and creamers; fermented milk beverages;
Cheese	Cheese (incl. fresh cheese)
Pasta, rice	e.g. pasta, rice (white and brown), other grains
Bread	bread, crispbread, rusks
other cereals	flour, flakes, starches, semolina; breakfast cereals; salty biscuits, aperitif biscuits, crackers; dough and pastry
Red meat	e.g. beef; veal; pork; mutton/lamb; horse; goat
Poultry	e.g. chicken, hen; turkey; duck; goose; domestic rabbit

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Processed meat	e.g. bacon; ham; liver pate; hamburger; meatballs; minced meat; other processed meat (sausages, chorizo, black pudding, corned beef)
Offals	e.g. liver, kidney; tripe; tongue; heart; sweetbread
Fish	Fish incl. fish products, crustaceans and molluscs
Eggs	Eggs and egg products
Vegetable oils	e.g. olive oil; soya oil; sunflower oil; peanut oil; corn/maize oil; grape oil; rapeseed oil; safflower oil; walnut oil
Margarine	margarine
Butter	butter
Other fats	deep frying fats ; other animal fat e.g. dripping fat; pork fat; duck fat; goose fat
Sugar	e.g. honey; jam; chocolate; non-chocolate confectionary; ice cream
Cake, cookies	croissant; brioche; fruit pie; meringue; pancake; chocolate cake; fruit cake; bun stuffed with cream
Fruit and vegetable juice	apple/orange/passion-fruit juice; citrus juice ; vegetable juice e.g. carrot juice; tomato juice
Softdrinks	carbonated/soft/isotonic drinks, diluted syrups
Coffee	Coffee
Tea	e.g. black and green tea
Other non-alcoholic drinks	herbal tea; chicory, substitutes; waters
Wine	red, white and rose wine
Beer	Beer, cider
Spirits	whisky; cognac; grappa; gin; klarer; vodka; rum; brandy
Other alcoholic beverages	fortified wines (e.g. sherry; martini; vermouth; port wine; Campari); aniseed drinks; liqueurs ; cocktails, punches
Sauces	sauces
Soups	soups, bouillons
Miscellaneous	yeasts; spices and herbs; condiments; miscellaneous

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7 **Supplemental Table 3 Country-specific intake of the food groups (g/day) in the EPIC-InterAct subcohort (n = 14,694)**

	France (n = 562)	Italy (n = 1,927)	Spain (n = 3,509)	UK-Norfolk (n = 900)	UK-Oxford (n = 316)	Netherlands (n = 1,398)	Germany (n = 2,044)	Sweden (n = 1,919)	Denmark (n = 2,119)
Dietary intake									
Total energy (kJ/day)	8,829 (7,430- 10,531)	9,423 (7,594- 11,514)	8,626 (6,987- 10,874)	8,202 (6,636- 10,109)	8,015 (6,586- 9,627)	7,902 (6,577-9,433)	8,130 (6,607- 10,100)	8,943 (7,473- 10,770)	9,116 (7,552- 10,895)
Fat (% energy)	36.5 (32.8 – 40.5)	33.9 (30.3 – 37.7)	35.6 (31.6 – 39.6)	34.0 (30.5 – 37.5)	32.8 (28.5 – 37.5)	34.1 (30.8 – 37.6)	35.4 (31.3 – 39.0)	36.9 (33.3 – 40.8)	33.6 (29.7 – 37.1)
Carbohydrates (% energy)	42.1 (37.1 – 47.0)	45.1 (40.5 – 49.7)	41.3 (36.4 – 45.9)	45.9 (41.8 – 50.0)	47.3 (42.5 – 51.7)	44.9 (40.7 – 48.9)	44.3 (39.9 – 49.0)	44.0 (39.8 – 48.2)	42.6 (38.3 – 47.2)
Protein (% energy)	17.3 (15.7 – 19.1)	16.7 (15.2 – 18.3)	19.1 (17.5 – 21.1)	17.3 (15.2 – 19.5)	15.7 (13.9 – 18.1)	17.3 (15.5 – 19.1)	14.8 (13.3 – 16.5)	15.3 (13.8 – 16.8)	17.2 (15.5 – 18.9)
Food group									
Potatoes	57.1 (31.4 -85.7)	21.6 (11.5 – 37.6)	70.7 (44.0 – 107)	115 (71.4 – 141)	71.4 (56.1 – 115)	79.2 (49.6 – 128)	83.4 (56.4 – 117)	109 (70.3 – 155)	134 (89.1 – 195)
Leafy vegetables	65.7 (41.0 -90.4)	26.7 (15.8 – 43.9)	53.7 (25.7 – 96.0)	4.7 (1.5 – 10.0)	10.2 (5.6 – 16.5)	23.4 (13.8 – 35.1)	8.6 (4.5 – 14.4)	10.3 (2.4 – 23.0)	1.0 (0.4 – 2.1)
Fruiting vegetables	62.1 (18.1 - 106)	69.2 (44.5 – 103)	87.2 (48.3 – 139)	47.7 (30.6 – 70.1)	62.6 (40.8 – 90.5)	38.2 (27.4 – 52.7)	49.8 (34.4 – 71.2)	56.0 (29.1 – 95.4)	28.6 (18.1 – 42.4)
Root vegetables	26.6 (6.0 - 44.3)	9.0 (2.9 – 20.6)	3.7 (1.3 – 8.1)	40.3 (23.3 – 63.1)	40.3 (20.9 – 63.0)	17.6 (9.5 – 27.9)	10.7 (6.6 – 16.6)	17.6 (5.3 – 37.1)	13.0 (5.0 – 37.8)
Cabbage	17.3 (0.0 - 34.0)	4.0 (1.5 – 8.8)	1.4 (0.0 – 9.5)	65.3 (39.0 – 107)	49.7 (32.2 – 83.8)	19.9 (12.0 – 30.1)	12.7 (7.5 – 21.1)	2.3 (0.0 – 19.1)	11.8 (5.6 – 19.9)

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Other vegetables	49.4 (31.9 - 93.1)	30.6 (19.2 - 48.5)	41.7 (23.0 - 74.1)	59.0 (42.4 - 81.8)	68.6 (50.6 - 96.2)	16.5 (9.8 - 25.8)	24 (16.5 - 33.5)	21.2 (10.2 - 35.3)	88.6 (51.7 - 135)
Legumes	13.1 (3.3 - 28.6)	5.4 (2.0 - 11.6)	45.1 (25.4 - 71.0)	11.3 (5.7 - 16.2)	12.3 (6.5 - 35.8)	7.1 (2.5 - 13.4)	2.0 (0.8 - 4.9)	0.0 (0.0 - 0.0)	0.3 (0.0 - 1.5)
Fruits	239 (150 - 332)	300 (205 - 418)	275 (156 - 438)	190 (115 - 297)	234 (145 - 358)	188 (118 - 271)	106 (79.9 - 184)	160 (99.5 - 248)	144 (71.1 - 243)
Nuts	3.0 (0.0 - 7.9)	0.2 (0.2 - 1.0)	0 (0.0 - 3.0)	0 (0.0 - 2.1)	3.0 (0.5 - 11.4)	4.2 (1.4 - 10.7)	0.9 (0.3 - 3.5)	0 (0.0 - 1.5)	0.8 (0.8 - 1.6)
Other fruits	0 (0.0 - 1.6)	2.3 (0.5 - 14.0)	0 (0.0 - 3.6)	0 (0.0 - 0.0)	0 (0.0 - 0.0)	0 (0.0 - 0.1)	2.0 (0.9 - 3.8)	0 (0.0 - 0.0)	0 (0.0 - 0.0)
Milk and dairy	211 (121 - 337)	143 (27.4 - 224)	244 (150 - 366)	385 (300 - 553)	347 (177 - 491)	366 (213 - 546)	160 (82.3 - 277)	313 (175 - 499)	253 (117 - 540)
Cheese	50.3 (29.9 - 81.2)	58.4 (36.1 - 87.1)	14.3 (0.7 - 42.0)	14.6 (5.0 - 18.6)	16.6 (6.4 - 20.8)	30.9 (20.1 - 46.8)	31.4 (16.8 - 40.1)	35.1 (20.0 - 54.7)	25.7 (17.5 - 52.7)
Pasta and Rice	66.2 (38.8 - 101)	136 (82.0 - 207)	56.8 (36.4 - 79.4)	24.4 (10.5 - 45.4)	55.0 (35.0 - 92.3)	31.0 (13.2 - 54.3)	20.4 (10.5 - 34.7)	25.0 (0.0 - 50.0)	35.7 (20.6 - 60.4)
Bread	109 (70.0 - 164)	140 (97.8 - 207)	131 (83.4 - 192)	78.7 (39.3 - 114)	83.5 (37.7 - 118)	118 (87.4 - 154)	150 (99.0 - 199)	103 (71.3 - 147)	141 (103 - 188)
Other cereal	6.7 (3.2 - 13.2)	13.5 (7.1 - 21.6)	0 (0.0 - 2.0)	32.3 (19.3 - 60.0)	50.4 (31.0 - 72.1)	6.7 (2.1 - 15.9)	5.9 (2.3 - 14.6)	16.7 (5.1 - 49.5)	9.7 (5.8 - 29.5)
Red meat	45.2 (19.1 - 71.2)	44.3 (25.7 - 65.0)	36.5 (17.9 - 60.5)	33.6 (24.2 - 65.6)	10.7 (1.4 - 33.1)	54.1 (31.9 - 80.4)	24.5 (14.6 - 38.8)	33.2 (17.7 - 51.6)	72.9 (51.7 - 98.8)
Poultry	17.2 (3.4 - 30.0)	22.3 (12.3 - 34.6)	30.7 (17.4 - 50.1)	16.1 (8.1 - 49.5)	8.2 (0.0 - 49.3)	8.7 (3.8 - 15.5)	8.7 (4.5 - 16.4)	1.9 (0.0 - 19.6)	17.6 (10.6 - 26.8)
Processed meat	26.3 (14.6 - 40.4)	18.9 (10.7 - 31.7)	29.9 (14.3 - 52.8)	20.9 (12.6 - 34.2)	8.1 (1.0 - 20.0)	19.9 (9.8 - 25.8)	53.0 (30.8 - 80.2)	38.7 (21.5 - 62.2)	25.0 (14.2 - 40.8)
Offals	2.6 (0.0 - 9.2)	2.0 (0.4 - 4.3)	0 (0.0 - 0.0)	0 (0.0 - 3.9)	0.6 (0.0 - 0.6)	0 (0.0 - 0.8)	0.8 (0.0 - 1.8)	0 (0.0 - 0.0)	2.9 (0.4 - 5.5)
Fish	31.0 (18.6 - 47.3)	24.2 (13.7 - 40.2)	54.8 (34.0 - 81.4)	32.2 (20.2 - 46.5)	26.1 (0.0 - 40.3)	8.8 (3.6 - 16.3)	16.4 (9.0 - 29.0)	36.8 (19.5 - 56.9)	39.6 (25.3 - 57.4)
Eggs	21.0 (11.3 - 32.3)	14.9 (8.0 - 21.9)	21.6 (11.8 - 34.9)	7.0 (4.2 - 21.5)	7.4 (3.8 - 21.6)	14.3 (7.5 - 21.5)	12.8 (6.4 - 19.9)	16.2 (7.5 - 26.6)	17.4 (10.4 - 33.9)

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Vegetable oils	5.8 (3.3 - 8.0)	28.9 (21.7 - 37.9)	25.7 (18.0 - 35.5)	3.6 (1.8 - 5.7)	2.3 (1.2 - 3.7)	2.5 (0.5 - 5.1)	4.5 (2.6 - 6.9)	0 (0.0 - 2.0)	0.5 (0.2 - 4.7)
Margarine	0 (0.0 - 3.6)	0.2 (0.0 - 0.4)	0 (0.0 - 0.6)	10.0 (4.3 - 25.0)	9.6 (1.1 - 25.4)	12.3 (5.2 - 20.3)	6.1 (1.3 - 20.5)	31.0 (17.3 - 45.8)	16.7 (5.4 - 29.3)
Butter	4.2 (0.4 - 10.9)	0.6 (0.1 - 2.0)	0 (0.0 - 0.0)	0.1 (0.0 - 4.4)	0.4 (0.1 - 4.4)	2.6 (1.4 - 5.2)	4.7 (0.9 - 11.4)	0 (0.0 - 0.0)	0 (0.0 - 0.0)
Other fats	0 (0.0 - 0.0)	1.0 (0.1 - 2.3)	0 (0.0 - 0.0)	0 (0.0 - 3.9)	0 (0.0 - 0.0)	1.8 (0.7 - 4.1)	0.7 (0.2 - 1.7)	0.7 (0.1 - 1.8)	0.1 (0.1 - 0.2)
Sugar	35.1 (15.0 - 59.5)	33.6 (19.6 - 53.0)	18.6 (7.3 - 32.0)	45.6 (21.7 - 73.9)	28.5 (15.4 - 53.1)	35.5 (20.3 - 55.0)	27.0 (14.6 - 46.8)	42.5 (24.3 - 68.0)	53.8 (30.7 - 96.0)
Cake and cookies	28.5 (13.7 - 54.6)	34.2 (15.0 - 64.2)	20.0 (0.0 - 53.4)	47.5 (24.3 - 92.5)	42.0 (22.5 - 73.1)	26.6 (13.3 - 44.0)	46.5 (22.6 - 78.3)	39.0 (19.9 - 65.4)	13.2 (5.9 - 26.4)
Fruit juice	20.6 (0.0 - 94.9)	10.1 (0.0 - 38.2)	0.6 (0.0 - 6.2)	16.8 (0.0 - 94.8)	51.4 (8.6 - 120)	55.4 (9.6 - 137)	112 (36.2 - 236)	0.5 (0.0 - 100)	8.3 (1.7 - 43.0)
Soft drinks	0 (0.0 - 0.0)	0 (0.0 - 28.6)	0 (0.0 - 0.0)	31.5 (0.0 - 158)	31.1 (6.5 - 121)	58.2 (10.7 - 139)	1.9 (0.0 - 29.1)	21.4 (0.0 - 114)	16.4 (0.0 - 89.0)
Coffee	245 (70.0 - 400)	90 (60.0 - 127)	100 (15.1 - 182)	475 (81.7 - 475)	477 (83.3 - 502)	500 (375 - 750)	392 (261 - 580)	450 (250 - 675)	900 (500 - 1300)
Tea	57.1 (0.0 - 335)	5.0 (0.0 - 42.9)	0 (0.0 - 0.0)	855 (475 - 855)	475 (190 - 855)	238 (67.8 - 430)	23.9 (2.2 - 150)	0 (0.0 - 0.0)	85.7 (3.3 - 500)
Other non-alc.drinks	766 (434 - 1079)	0 (0.0 - 0.0)	0 (0.0 - 0.0)	0 (0.0 - 0.7)	0.1 (0.1 - 0.7)	362 (185 - 615)	523 (255 - 891)	600 (288 - 1017)	541 (235 - 938)
Wine	36.2 (1.6 - 129)	35.7 (0.0 - 250)	2.6 (0.0 - 150)	8.8 (0.0 - 53.8)	17.9 (8.9 - 53.6)	10.7 (0.0 - 57.1)	37.0 (7.4 - 92.0)	13.5 (0.0 - 53.6)	53.6 (10.3 - 98.2)
Beer	0 (0.0 - 14.9)	5.5 (0.0 - 11.0)	0 (0.0 - 24.6)	0 (0.0 - 38.5)	19.6 (2.8 - 39.3)	0 (0.0 - 6.6)	41.1 (4.1 - 180)	85.7 (0.0 - 194)	94.3 (21.7 - 283)
Spirits	0 (0.0 - 0.1)	0 (0.0 - 0.7)	0 (0.0 - 0.0)	0 (0.0 - 3.2)	0.2 (0.2 - 3.3)	0 (0.0 - 1.7)	0.3 (0.0 - 1.5)	0 (0.0 - 7.1)	2.5 (0.5 - 4.3)
Other alc.drinks	4.6 (0.0 - 14.8)	0.7 (0.0 - 1.3)	0 (0.0 - 0.0)	0 (0.0 - 3.5)	0.5 (0.5 - 3.6)	0 (0.0 - 5.0)	0.4 (0.0 - 1.0)	1.8 (0.0 - 14.3)	1.0 (0.0 - 2.0)

8 The intake of the total energy, macronutrients and the food groups (gram/day) is shown as median (interquartile range).

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- 9 **Supplemental Table 4 Factor loadings* of the 36 food groups on the two retained principal components per each country**

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	France		Italy		Spain		UK-Norfolk		UK-Oxford		Netherlands		Germany		Sweden		Denmark	
	C1	C2	C1	C2	C1	C2	C1	C2	C1	C2	C1	C2	C1	C2	C1	C2	C1	C2
Explained proportion of total variance (%)	10.3	8.3	11.1	7.2	9.7	6.1	8.9	7.5	11.9	8.1	10	7.5	9.2	7.8	7.5	6.7	10.3	8.3
Potatoes	2	20	31	39	57	15	-1	48	18	50	63	6	10	54	56	19	1	46
Leafy vegetables	76	-8	59	1	24	40	62	-21	71	-10	-15	-4	71	-14	-32	36	45	-4
Fruiting vegetables	86	-14	64	2	12	59	77	-9	73	-8	-39	47	63	0	-21	37	68	9
Root vegetables	86	-18	32	0	-3	45	57	24	67	9	-24	-3	59	-9	-15	5	43	-23
Cabbage	82	-5	58	-18	-3	9	56	31	54	20	-18	9	37	20	-9	14	53	-5
Other vegetables	-51	21	71	-7	18	51	74	9	79	-9	-6	37	57	25	-12	39	73	4
Legumes	12	22	56	-15	54	-3	30	17	48	-17	5	17	12	31	17	-1	51	-13
Fruits	24	-17	36	-7	-9	34	42	-8	53	-2	-36	4	46	-12	-31	1	43	-14
Nuts	9	47	30	2	7	38	16	0	36	-20	6	33	25	10	5	24	18	9
Other fruits	2	40	5	18	7	47	0	0	0	0	3	57	25	25	-3	-17	0	0
Milk & dairy	8	5	8	7	-19	-8	2	24	-19	35	4	8	26	-11	11	-14	10	15

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Cheese	-2	18	39	29	0	35	14	19	0	12	15	22	16	13	9	19	24	9
Pasta & rice	-1	36	16	47	30	24	50	-29	26	-15	9	58	19	10	-14	27	41	12
Bread	-8	21	16	19	57	-3	7	38	25	8	58	15	4	34	55	-4	12	41
Other cereals	-1	15	37	5	-1	24	12	24	19	21	-4	54	26	-2	-2	-8	27	7
Red meat	48	17	7	63	58	-20	8	32	-24	73	42	10	12	68	38	27	14	70
Poultry	40	13	25	26	26	6	26	5	-25	54	3	40	17	48	-3	30	44	18
Processed meat	13	59	7	56	50	-5	-1	47	-15	69	59	15	-4	65	59	8	-11	73
Offals	28	29	9	32	27	1	17	18	-9	53	5	31	-1	43	9	1	15	44
Fish	16	50	48	6	27	30	39	11	-11	55	-17	37	24	27	9	27	47	39
Eggs	1	46	26	36	51	-16	15	32	12	24	21	20	-6	33	24	28	15	38
Vegetable oils	0	36	73	25	70	29	-12	51	-14	58	-26	55	73	-5	5	31	53	5
Margarine	11	12	25	3	-10	0	2	38	22	12	64	-16	-4	26	62	-6	-19	54
Butter	3	23	-3	32	-4	-1	-3	11	11	27	27	16	-2	12	4	8	9	-1
Other fats	8	-23	4	55	2	17	0	0	0	0	54	46	9	40	32	6	-11	20
Sugar	8	18	0	43	14	-1	-4	49	-6	35	49	8	12	22	42	-8	-5	33
Cake & cookies	0	40	14	22	-6	5	1	59	0	35	9	0	12	20	14	-17	-6	22
Fruit juice	3	31	9	15	-7	15	20	-11	31	0	-4	25	12	1	-11	12	21	-1
Soft drinks	24	17	-8	27	16	-11	1	5	-10	9	22	35	-5	19	22	-7	5	21

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Coffee	-2	41	-7	28	3	-25	1	-21	-25	15	33	-10	0	21	27	9	-23	29
Tea	-6	-12	1	-1	-8	15	-7	44	2	36	-29	-6	17	-5	0	-1	31	-23
Other non-alcoholic beverages	11	27	0	-4	-16	28	31	-8	9	19	-31	18	29	-19	-42	9	28	-26
Wine	-4	34	-9	38	58	-15	16	-25	7	0	-22	14	7	2	-11	71	19	-5
Beer	-6	26	0	19	19	14	0	4	-12	-4	38	22	-17	45	31	29	-18	38
Spirits	-7	29	-9	35	40	-9	0	0	-13	10	4	6	-11	31	27	31	8	19
Other alcoholic beverages	9	40	-9	26	22	-7	12	-10	1	11	-15	-1	-4	11	-11	71	12	2

10 *Factor loadings are shown multiplied by 100. C1 = Component 1. C2 = Component 2.

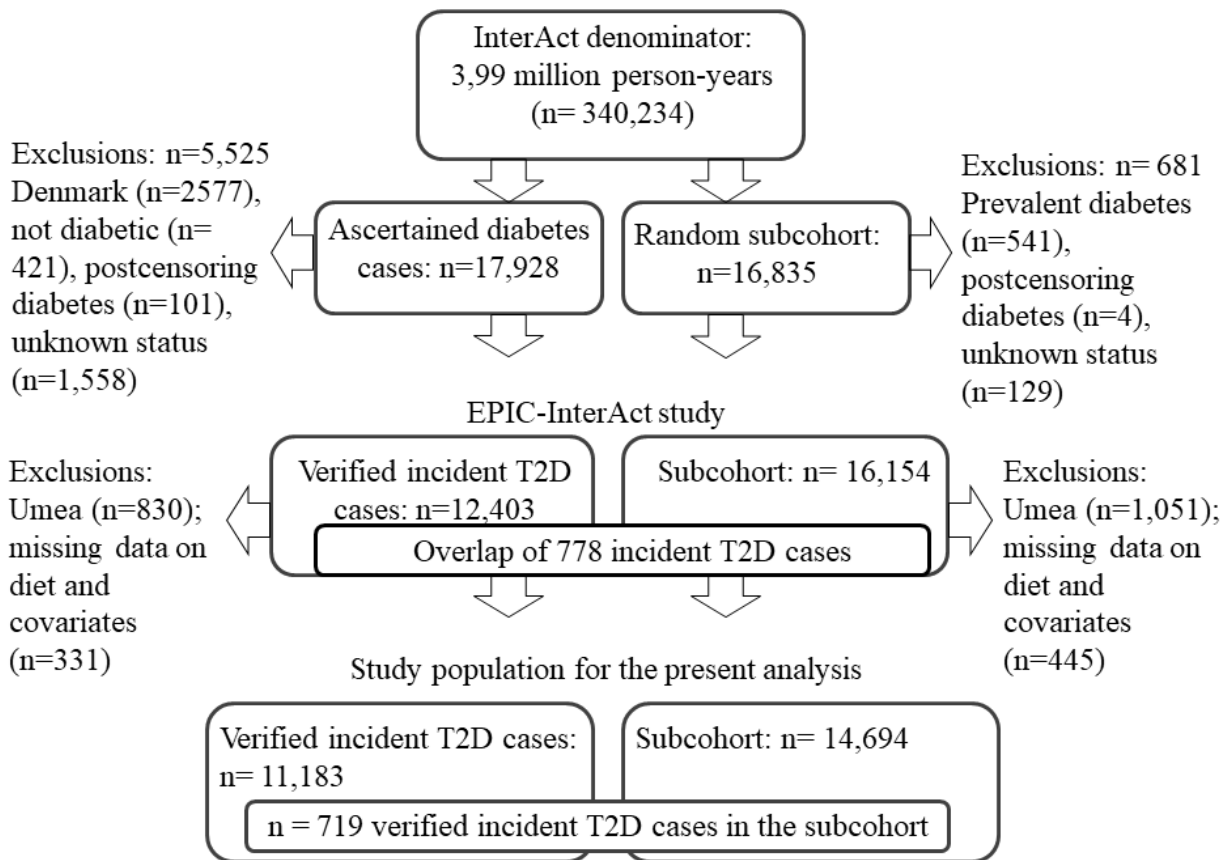
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Supplemental Table 5 Overview of the impact of different cut-off levels for factor loadings on the component structure of the simplified sum scores and their correlation with the originally derived pattern scores

Cut-off for factor loadings	≥ 0.4		≥ 0.3		≥ 0.2		≥ 0.1	
	<i>n</i>	<i>r</i>	<i>n</i>	<i>r</i>	<i>n</i>	<i>r</i>	<i>n</i>	<i>r</i>
Simple France	8	0.59	12	0.69	22	0.67	33	0.69
Simple Spain	9	0.90	10	0.91	15	0.93	23	0.82
Simple UK-Norfolk	6	0.67	11	0.72	18	0.66	24	0.67

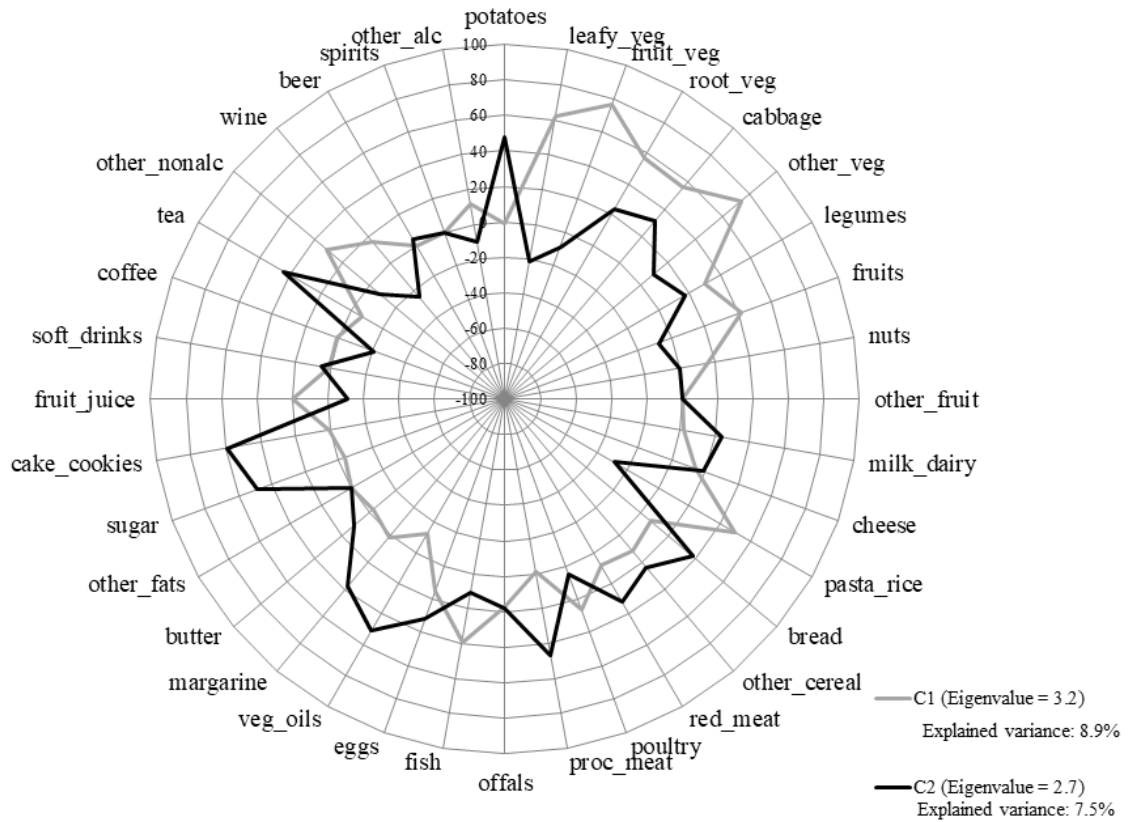
n = number of components of simplified sum scores; *r* = Spearman correlation coefficient between the simplified sum scores and the original principal component score

Supplementary data



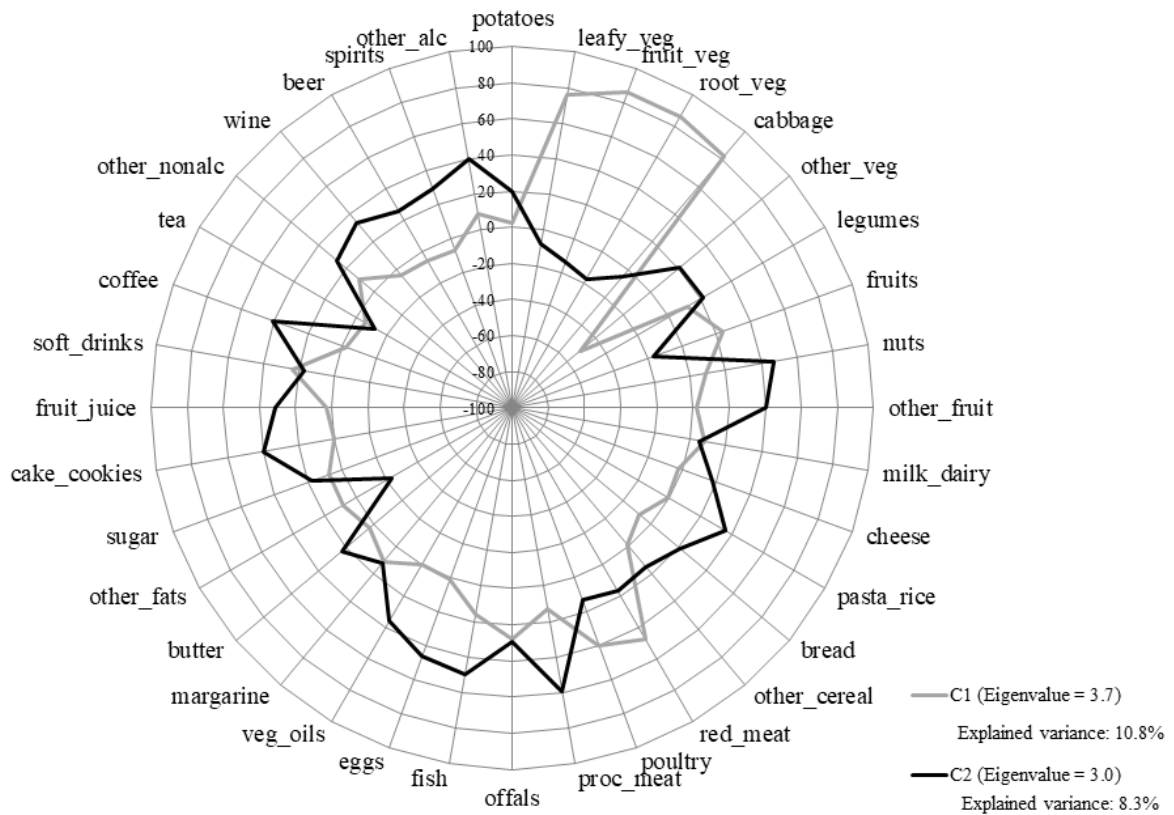
Supplemental Figure 1 Scheme of the EPIC-InterAct case-cohort study and the present study population. T2D, type 2 diabetes; InterAct denominator means all incident type 2 diabetes cases from EPIC countries (except for Norway and Greece) and a randomly drawn subcohort. From 455,680 eligible participants, those without stored blood samples ($n=109,625$) and reported diabetes status ($n=5,821$) were excluded, resulting in 340,234 participants.

Supplementary data



Supplemental Figure 2 Dietary patterns derived in the subcohort of the center UK-Norfolk ($n = 900$)
 Factor loadings (ranging from -100 to 100) of the 36 included food groups on the two principal components (C1 and C2) are depicted in the spider graph.

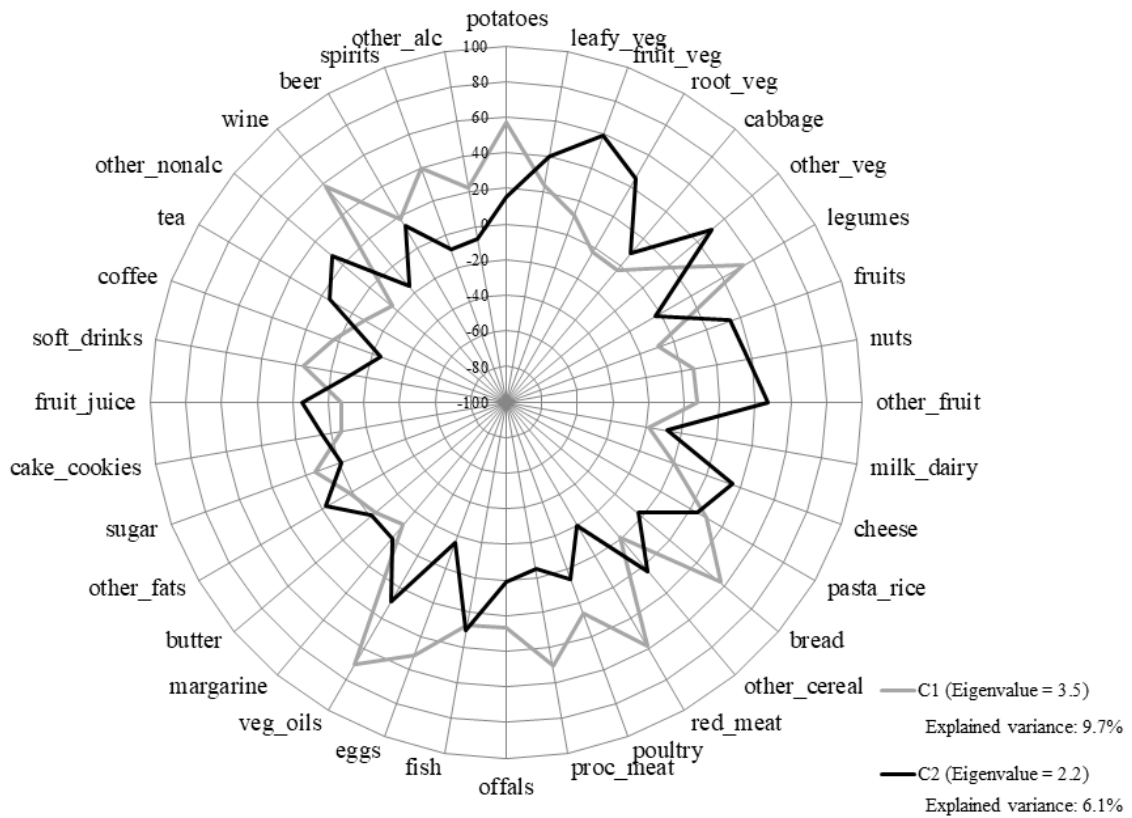
Supplementary data



Supplemental Figure 3 Dietary patterns derived in the French subcohort ($n = 562$)

Factor loadings (ranging from -100 to 100) of the 36 included food groups on the two principal components (C1 and C2) are depicted in the spider graph.

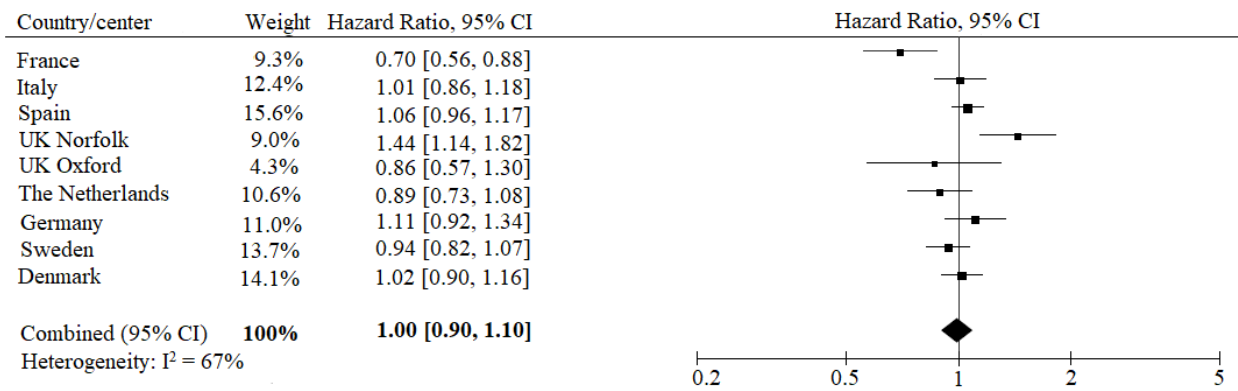
Supplementary data



Supplemental Figure 4 Dietary patterns derived in the Spanish subcohort ($n = 3,509$)

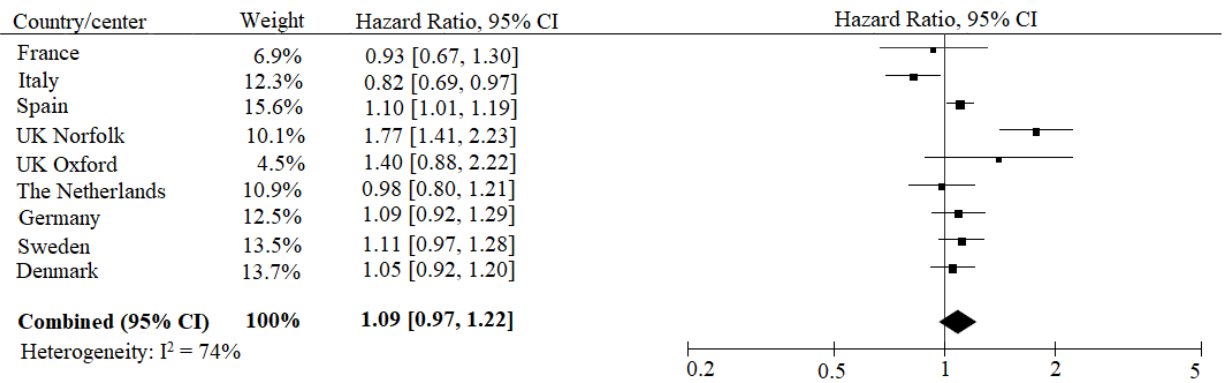
Factor loadings (ranging from -100 to 100) of the 36 included food groups on the two principal components (C1 and C2) are depicted in the spider graph.

Supplementary data



Supplemental Figure 5 Meta-analysis of the hazard ratios and 95%-confidence intervals for the risk of type 2 diabetes per 1 SD of the ‘Replicative France’ score across all EPIC-InterAct countries

Supplementary data



Supplemental Figure 6 Meta-analysis of the hazard ratios and 95%-confidence intervals for the risk of type 2 diabetes per 1 SD of the ‘Simple Spain’ score across all EPIC-InterAct countries