

Table 1. Comparison of breast cancer risk factors between cases and controls in the EURAMIC study.

Risk factor		Mean cases (N = 347)	Mean controls (N =374)	P-value
Age (years)		62.1	62.3	0.72
Body mass index (kg/m ²)		26.9	26.3	0.06
Age at menarche (years)	13.6	13.6	0.98	
Parity (% parous)		80.9	80.2	0.80
Age at 1st childbirth (years)		26.6	25.6	<0.01
Age at menopause (years)		48.3	48.4	0.67
Estrogen replacement (%)		81.2	82.0	0.80
Positive family history (%)		15.2	7.8	<0.01
Positive history of BBD (%)		6.5	6.2	0.90

% low socioeconomic status	25.4	23.3	0.22
Smoking (% current smokers)	17.4	16.6	0.80

BBD = benign breast disease

Table 2. Distribution of alcohol habit among cases and controls and associated relative risks for breast cancer in the EURAMIC study.

Center	Cases (%)				Controls (%)				OR [†]		
	N	Never drinkers	Ex-drinkers	Current drinkers	N	Never drinkers	Ex-drinkers	Current drinkers	Never drinkers	Ex-drinkers (CI [#])	Current drinkers (CI [#])
Berlin	41	26.8	—	73.2	57	28.1	—	71.9	1.00	—	1.06 (0.43-2.64)
Zeist	64	7.8	39.1	53.1	61	8.2	13.1	78.7	1.00	3.35 (0.76-14.81)	0.71 (0.19-2.68)
Coleraïne	97	28.9	33.0	38.1	104	35.6	33.7	30.7	1.00	1.22 (0.61-2.43)	1.53 (0.67-3.02)
Málaga	61	83.6	1.6	14.8	68	94.1	0.0	5.9	1.00	—	2.76 (0.81-9.50)
Zürich	52	21.2	17.2	61.6	74	16.2	12.2	71.6	1.00	1.09 (0.31-3.79)	0.66 (0.26-1.67)
Overall	315	33.7	21.3	45.0	364	36.8	13.7	49.5	1.00	1.64 [‡] (1.05-2.59)	1.00 [‡] (0.70-1.43)

[†] Age-adjusted.

[#] 95% confidence interval

†

Further

adjusted

by

center

Table 3. Alcohol intake among current drinkers in the control group by center of recruitment.

Center	Average intake among current drinkers (g/day)					
	N	Tertile 1	Tertile 2	Tertile 3	Mean	SD
Berlin	41	2.4	7.4	19.9	14.0	20.6
Zeist	48	2.9	10.0	22.9	13.1	12.1
Coleraine	32	1.6	5.7	14.1	8.2	9.6
Málaga	4	1.4	2.7	6.6	3.0	2.5
Zurich	53	1.3	5.1	27.0	11.9	17.0
Overall	178	1.7	6.0	20.0	11.8	15.6

Table 4. Levels of risk factors by category of alcohol intake among controls in the EURAMIC study

Risk factor	Never drinkers	Ex-drinkers	Current drinkers			P-value*
			Tertile 1	Tertile 2	Tertile 3	
Age (years)	62.0	62.1	62.5	62.0	62.3	0.94
Body mass index (kg/m ²)	27.8	24.6	26.5	25.2	25.2	0.001
Age at menarche (years)13.6	13.4	13.7	13.7		13.9	0.60
Parity (% parous)	84.2	76.0	78.7	73.3	81.4	0.44
Age at 1st childbirth (years)	25.6	27.7	25.2	24.5	24.7	0.01
Age at menopause (years)	48.6	47.8	48.6	48.6	48.7	0.91
Estrogen replacement (%)	89.4	90.0	74.6	74.6	70.9	0.003
Positive family history (%)	11.9	15.0	34.7	19.2	27.5	0.01
Positive history of BBD (%)	6.0	10.2	8.2	6.9	1.7	0.35

% low socioeconomic status	44.0	8.0	18.0	10.0	8.6	<0.001
Smoking (% current smokers)	7.5	12.0	11.5	26.7	36.1	<0.001

BBD = benign breast disease

* ANOVA P-value, except for proportion of smokers, family history, history of BBD, socioeconomic status, vitamin C supplements, estrogen replacement therapy, and parity (χ^2 P-value)

Table 5. Relative risk of breast cancer by category of alcohol intake.

Center*	Never drinkers (reference)	Ex-drinkers	Current drinkers			P-value trend
			Tertile 1	Tertile 2	Tertile 3	
Berlin	1.00	—	1.14	0.93	1.10	0.54
Zeist	1.00	4.01	0.67	0.62	1.39	0.60
Coleraine	1.00	1.22	2.16	1.20	1.18	0.74
Málaga	1.00	—	—	2.77*	—	0.11
Zürich	1.00	1.09	0.52	0.90	0.58	0.47
Overall [†]	1.00	1.66	1.00	0.98	1.06	0.56
95% confidence interval		(1.06-2.62)	(0.63-1.59)	(0.60-1.58)	(0.65-1.73)	
Overall ^{†§}	1.00	1.73	1.00	1.01	1.18	0.81
95% confidence interval		(1.07-2.79)	(0.60-1.67)	(0.60-1.73)	(0.69-2.03)	
Overall ^{†§#}	1.00	1.61	0.87	0.90	0.99	0.78
95% confidence interval		(0.90-2.90)	(0.45-1.70)	(0.44-1.82)	(0.48-2.01)	

* Individual center risk estimates are age-adjusted. Due to the small number of drinkers in Málaga, individual results for this center were not categorized by tertile of intake.

[†] Center- and age-adjusted.

[§] Further adjusted for body mass index, smoking, parity, age at menopause, age at menarche, estrogen replacement therapy, family history of breast cancer, history of benign breast disease and age at first childbirth.

[#] After exclusion of centers without ex-drinkers among cases or controls.