

**Table 3 Lung, colorectal, breast and prostate cancer risk according to serum 25-hydroxyvitamin D level quartiles, Izmir, 2008-2013**

Group	Quartile 1	Quartile 2	Quartile 3	Quartile 4
Quartile values, ng/mL	≤ 8.61	8.62–13.67	13.68–19.14	≥ 19.15
<b>All cancers</b>				
No. cases/controls	44/107	40/107	54/107	41/106
OR (95% CI)	1.06 (0.64–1.75)	0.96 (0.57–1.61)	1.30 (0.80–2.12)	1.00 (ref)
OR (95% CI) <sup>a</sup>	1.09 (0.64–1.87)	1.01 (0.60–1.70)	1.36 (0.83–2.24)	1.00 (ref)
<b>Lung</b>				
No. cases/controls	11/107	15/107	12/107	4/106
OR (95% CI)	2.72 (0.84–8.82)	3.71 (1.19–11.56)	2.97 (0.92–9.50)	1.00 (ref)
OR (95% CI) <sup>b</sup>	2.92 (0.82–10.35)	3.76 (1.14–12.37)	3.55 (1.04–12.08)	1.00 (ref)
<b>Colorectal</b>				
No. cases/controls	7/107	5/107	5/107	5/106
OR (95% CI)	1.38 (0.42–4.50)	0.99 (0.27–3.52)	0.99 (0.27–3.52)	1.00 (ref)
OR (95% CI) <sup>a</sup>	1.33 (0.384.70)	1.01 (0.27–3.69)	0.96 (0.26–3.53)	1.00 (ref)
<b>Breast</b>				
No. cases/controls	22/75	10/52	12/48	13/41
OR (95% CI)	0.92 (0.42–2.02)	0.60 (0.24–1.52)	0.78 (0.32–1.91)	1.00 (ref)
OR (95% CI) <sup>c</sup>	0.93 (0.41–2.08)	0.60 (0.23–1.55)	0.79 (0.32–1.97)	1.00 (ref)
<b>Prostate</b>				
No. cases/controls	3/32	8/55	22/59	19/65
OR (95% CI)	0.32 (0.08–1.16)	0.49 (0.20–1.22)	1.27 (0.62–2.58)	1.00 (ref)
OR (95% CI) <sup>c</sup>	0.35 (0.09–1.31)	0.56 (0.22–1.41)	1.35 (0.65–2.82)	1.00 (ref)

OR = odds ratio; CI = confidence interval.

<sup>a</sup>Adjusted according to smoking, age, sex and body mass index (BMI).

<sup>b</sup>Adjusted according to age, sex and BMI.

<sup>c</sup>Adjusted according to age and BMI.