Table 5. Multivariate-adjusted Relative Risk (RR) and 95% Confidence Intervals (CI) of Elements Significantly Correlated with Arsenic on the Development of Cancer at all Sites Combined among Residents of the Lanyang Basin, Taiwan

Variable	Ca	Fe	Mg	Cr	Ba	Be	Mn
Age	10.95	23.4	. 15,21	0 ND	2.	9% *8	c 600 a
Each one year increase	1.1 (1.0-1.1)***	1.1(1.0-1.1)***	1.1(1.0-1.1)***	1.1(1.0-1.1)***	1.1(1.0-1.1)***	1.1(1.0-1.1)***	1.1 (1.0-1.1)***
Sex							
Female	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Male	1.1 (0.6-1.7)	1.0 (0.6-1.7)	1.0 (0.6-1.7)	1.0 (0.6-1.7)	1.0 (0.6-1.7)	1.0 (0.6-1.7)	1.1 (0.7-1.8)
Cigarette Smoking							0.050
No	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Yes	1.3 (0.8-2.1)	1.3 (0.8-2.1)	1.3 (0.8-2.1)	1.3 (0.8-2.1)	1.2 (0.8-2.1)	1.3 (0.8-2.1)	1.2 (0.7-2.0)
Alcohol consumption							
No	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Yes	1.2 (0.8-1.8)	1.2 (0.8-1.8)	1.2 (0.8-1.8)	1.2 (0.8-1.8)	1.2 (0.8-1.8)	1.2 (0.8-1.8)	1.1 (0.7-1.7)
Concentration in well							
water (ug/L)							
First tripletile	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Second tripletile	1.2 (0.8-1.8)	0.9 (0.6-1.4)	0.9 (0.6-1.3)	1.4 (0.9-2.3)	1.6 (1.0-2.4)*	1.2 (0.8-2.0)	0.6 (0.4-0.9)*
Third tripletile	1.2 (0.8-1.7)	0.8 (0.5-1.2)	0.8 (0.5-1.1)	1.2 (0.7-1.9)	1.3 (0.9-2.0)	0.9 (0.6-1.4)	0.5 (0.4-0.8)***

 $[\]sqrt{90.05}$

Table 6. Multivariate-adjusted Relative Risk (RR) and 95% Confidence Intervals (CI) of Manganese and Its Synergistic Interaction with Arsenic on the Development of Cancer at all Sites Combined among Residents in Lanyang Basin, Taiwan

	Mn			
	Model I	Model II		
Variable	RR (95% C.I.)	RR (95% C.I.)		
Age	(GOA) / LITELY LANGUES	EL GASA SALE		
Each one year increase	1.1 (1.0-1.1)***	1.1 (1.0-1.1)***		
Gender				
Female	1.0	1.0		
Male	1.1 (0.7-1.8)	1.1 (0.7-1.8)		
Cigarette smoking				
No	1.0	1.0		
Yes	1.2 (0.7-2.0)	1.3 (0.8-2.1)		
Concentration in well water (µ g/L)				
First tripletile	1.0			
Second tripletile	0.6 (0.4-0.9)*			
Third tripletile	0.5 (0.4-0.8)***			
Cumulative arsenic exposure (ug/L-year) /concentration (ug/L)				
$\leq 2000^a / \text{high}^b$		1.0		
> 2000/ high		0.8 (0.5-1.4)		
≤ 2000 / low		1.6 (1.1-2.4)*		
> 2000 / low		1.2 (0.8-1.8)		

 $[\]sqrt{90.05}$

^a Cumulative arsenic exposure at 2000 was calculated based on the product of MCL of arsenic in water (50 ug/L) and the average duration of drinking well water for the study subjects (40 years).

b High concentration of Mn indicating the level of Mn greater than its mean.