

Table 5 Dose–effect relationship between respiratory disease and exclusive water pipe consumption in Lebanon

Condition/WP exposure	Respiratory disease				OR	Trend test P-value
	No		Yes			
	No.	%	No.	%		
PDRD						0.012
0 WP/week	171	94.0	11	6.0	1.00	
1 WP/week	25	92.6	2	7.4	1.24	
2–6 WP/week	17	81.0	4	19.0	3.66	
> 6 WP/week	22	81.5	5	18.5	3.53	
PDRD cumulative exposure (WP years)						0.016
0	173	93.5	12	6.5	1.00	
1–3.5	20	90.9	2	9.1	1.44	
4–28	23	88.5	3	11.5	1.88	
> 28	19	79.2	5	20.8	3.79	
Chronic bronchitis						0.002
0 WP/week	156	85.2	27	14.8	1.00	
1WP/week	23	85.2	4	14.8	1.00	
2–6 WP/week	15	71.4	6	28.6	2.31	
> 6 WP/week	17	63.0	10	37.0	3.40	
Chronic bronchitis cumulative exposure ^a						0.0002
0	159	85.5	27	14.5	1.00	
1–3	19	86.4	3	13.6	0.93	
4–28	20	76.9	6	23.1	1.77	
> 28	13	54.2	11	45.8	4.98	

^aCumulative exposure (WP years) is calculated by multiplying weekly frequency of WP smoking by duration of WP smoking in years.