

1 **Supplementary**

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3 **A cluster of lung injury associated with home humidifier use: An epidemiological investigation**

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11 e-Table 1. Comparison of the cases and controls in terms of indoor/outdoor environmental factors

	Cases (n=18)	Controls (n=121)	p-value
Housing			0.56
Town house	2 (11.1%)	8 (6.6%)	
Apartment	13 (72.2%)	80 (66.1%)	
Multiplex house	3 (16.7%)	32 (26.4%)	
Unknown	0 (0.0%)	1 (0.8%)	
Living storey			0.06
Underground/semi-underground	1 (5.6%)	0 (0.0%)	
1st to 3rd floor	5 (27.8%)	37 (30.6%)	
4th to 6th floor	4 (22.2%)	35 (28.9%)	
7th floor and higher	7 (38.9%)	49 (40.5%)	
Unknown	1 (5.6%)	0 (0.0%)	
Heating system			0.39
Central heating	4 (22.2%)	19 (15.7%)	
Local heating with gas	11 (61.1%)	90 (74.4%)	
Local heating with oil	1 (5.6%)	6 (5.0%)	
Local heating with coal	0 (0.0%)	1 (0.8%)	
Unknown	2 (11.1%)	5 (4.1%)	
Drinking water			0.33
Tap water	11 (61.1%)	36 (29.8%)	
Well water	0 (0.0%)	1 (0.8%)	
Groundwater	0 (0.0%)	2 (1.7%)	
Bottled-mineral water	1 (5.6%)	24 (19.8%)	
Home-purified water	6 (33.3%)	51 (42.1%)	
Others	0 (0.0%)	6 (5.0%)	
Unknown	0 (0.0%)	1 (0.8%)	
Age of house			0.10
≤2 year	1 (5.6%)	5 (4.1%)	

2 < ≤5 years	3 (16.7%)	21 (17.4%)	
5 < ≤10 years	11 (61.1%)	40 (33.1%)	
>10 years	3 (16.7%)	54 (44.6%)	
Unknown	0 (0.0%)	1 (0.8%)	
Numbers of rooms			0.73
Single	0 (0.0%)	3 (2.5%)	
Two	4 (22.2%)	20 (16.5%)	
More than three	14 (77.8%)	97 (80.2%)	
Unknown	0 (0.0%)	1 (0.8%)	
House renovation in the previous year			0.02
No	18 (100%)	84 (69.4%)	
Yes	0 (0.0%)	34 (28.1%)	
Unknown	0 (0.0%)	3 (2.5%)	
New furniture in the previous year			<0.01
No	15 (83.3%)	46 (38.0%)	
Yes	3 (16.7%)	74 (61.2%)	
Unknown	0 (0.0%)	1 (0.8%)	
New wall in the previous year			<0.01
No	16 (88.9%)	49 (40.5%)	
Yes	2 (11.1%)	72 (59.5%)	
Indoor mold in the previous year			0.01
No	5 (27.8%)	76 (62.8%)	
Yes	13 (72.2%)	45 (37.2%)	
Carpet in the house			0.24
No	17 (94.4%)	93 (76.9%)	
Yes	1 (5.6%)	27 (22.3%)	
Unknown	0 (0.0%)	1 (0.8%)	
Air cleanser			0.04
No	14 (77.8%)	78 (64.5%)	

Yes	4 (22.2%)	17 (14.0%)	
Unknown	0 (0.0%)	26 (21.5%)	
Air conditioner			0.09
No	8 (44.4%)	30 (24.8%)	
Yes	10 (55.6%)	91 (75.2%)	
Humidifier			<0.01
No	1 (5.6%)	54 (44.6%)	
Yes	17 (94.4%)	67 (55.4%)	
Humidifier detergent			<0.01
No	1 (5.6%)	89 (73.6%)	
Yes	17 (94.4%)	32 (26.4%)	
Air freshener			0.78
No	12 (66.7%)	87 (71.9%)	
Yes	6 (33.3%)	34 (28.1%)	
Hair spray			0.82
No	12 (66.7%)	74 (61.2%)	
Yes	6 (33.3%)	46 (38.0%)	
Unknown	0 (0.0%)	1 (0.8%)	
Insecticide			0.03
No	5 (27.8%)	72 (59.5%)	
Yes	13 (72.2%)	48 (39.7%)	
Unknown	0 (0.0%)	1 (0.8%)	
Dust			<0.01
No	17 (94.4%)	49 (40.5%)	
Yes	1 (5.6%)	71 (58.7%)	
Unknown	0 (0.0%)	1 (0.8%)	
Pollen			0.04
No	16 (88.9%)	71 (58.7%)	
Yes	2 (11.1%)	48 (39.7%)	

Unknown	0 (0.0%)	2 (1.7%)	
Region			0.21
Residential district in urban area	16 (88.9%)	108 (89.3%)	
Business district in urban area	1 (5.6%)	2 (1.7%)	
Rural area	0 (0.0%)	9 (7.4%)	
Industrial area	1 (5.6%)	1 (0.8%)	
Unknown	0 (0.0%)	1 (0.8%)	
Outside facilities within 2 km			0.76
No	13 (72.2%)	83 (68.6%)	
Yes	5 (27.8%)	29 (24.0%)	
Unknown	0 (0.0%)	9 (7.4%)	

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