

# 大台北地區 84 家戶 300 位居民 1800 次家戶訪視之室內環境品質與心

## 血管生理指標監測資料描述性統計分析

	First two visits (windows open) N=600	Next two visits (windows closed) N=600	Last two visits (air conditioners on) N=600	ANOVA p-value	Scheffe's test
<b>PM<sub>10</sub>, µg/m<sup>3</sup></b>					
Mean ± SD	41.0 ± 20.2	29.5 ± 14.0	20.4 ± 11.3	<0.05	1 <sup>st</sup> /2 <sup>nd</sup> ; 1 <sup>st</sup> /3 <sup>rd</sup> ; 2 <sup>nd</sup> /3 <sup>rd</sup>
IQR	26.7	20.1	14.2		
Range	7.8-99.4	7.2-85.2	6.5-75.3		
<b>PM<sub>2.5</sub>, µg/m<sup>3</sup></b>					
Mean ± SD	25.5 ± 11.6	24.8 ± 10.4	14.3 ± 5.2	<0.05	1 <sup>st</sup> /3 <sup>rd</sup> ; 2 <sup>nd</sup> /3 <sup>rd</sup>
IQR	15.8	15.4	8.9		
Range	9.5-80.5	8.4-72.0	5.5-42.0		
<b>Total VOCs, ppb</b>					
Mean ± SD	77.2±27.3	68.6±23.1	52.3±20.4	<0.05	1 <sup>st</sup> /3 <sup>rd</sup> ; 2 <sup>nd</sup> /3 <sup>rd</sup>
IQR	48.6	43.2	32.9		
Range	12.1-180.5	10.0-115.3	10.0-89.5		
<b>CO<sub>2</sub>, ppm</b>					
Mean ± SD	511±123	496±138	517±150	0.74	--
IQR	328.4	315.0	312.0		
Range	241-1041	228-985	296-1010		
<b>CO, ppm</b>					
Mean ± SD	0.72±0.15	0.67±0.10	0.60±0.11	0.63	--
IQR	0.46	0.45	0.41		
Range	0.45-1.09	0.41-0.85	0.40-0.78		
<b>Temperature, °C</b>					
Mean ± SD	19.5 ± 1.2	21.3 ± 1.3	21.7 ± 1.2	0.74	--
Range	17.0-23.2	19.2-25.2	19.5-24.9		
<b>Relative humidity, %</b>					
Mean ± SD	71.0 ± 2.2	72.3 ± 2.0	68.9 ± 1.2	0.65	--
Range	65.5-79.0	66.2-80.5	62.1-72.3		
<b>Noise, dBA</b>					
Mean ± SD	51.0 ± 10.2	47.8 ± 9.7	48.5 ± 8.5	0.33	--
Range	30.0-98	30.0-92	30.0-89.0		
<b>Log10 SDNN, msec</b>					
Mean ± SD	1.48 ± 0.23	1.91 ± 0.19	1.96 ± 0.18	<0.05	1 <sup>st</sup> /2 <sup>nd</sup> ; 1 <sup>st</sup> /3 <sup>rd</sup>

Range	0.69-2.09	0.78-2.55	0.82-2.66		
Log10 r-MSSD, msec					
Mean $\pm$ SD	0.98 $\pm$ 0.28	1.38 $\pm$ 0.22	1.41 $\pm$ 0.24	<0.05	1 <sup>st</sup> /2 <sup>nd</sup> ; 1 <sup>st</sup> /3 <sup>rd</sup>
Range	0.40-1.82	0.42-1.96	0.46-2.10		
hs-CRP, mg/dl					
Mean $\pm$ SD	0.17 $\pm$ 0.05	0.14 $\pm$ 0.04	0.13 $\pm$ 0.01	0.12	--
Range	0.05-0.56	0.02-0.15	0.02-0.18		
8-OhdG, ng/ml					
Mean $\pm$ SD	2.8 $\pm$ 0.3	1.7 $\pm$ 0.3	0.8 $\pm$ 0.2	<0.05	1 <sup>st</sup> /2 <sup>nd</sup> ; 1 <sup>st</sup> /3 <sup>rd</sup> ;
Range	0.9-4.3	0.3-1.3	0.2-1.3		2 <sup>nd</sup> /3 <sup>rd</sup>
Fibrinogen, mg/dl					
Mean $\pm$ SD	321 $\pm$ 35	315 $\pm$ 34	298 $\pm$ 21	0.11	--
Range	251-456	225-423	165-386		