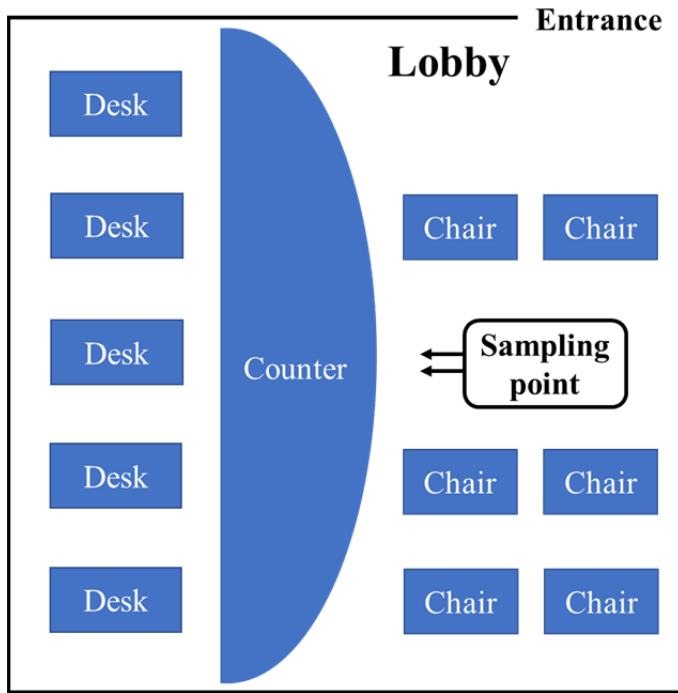
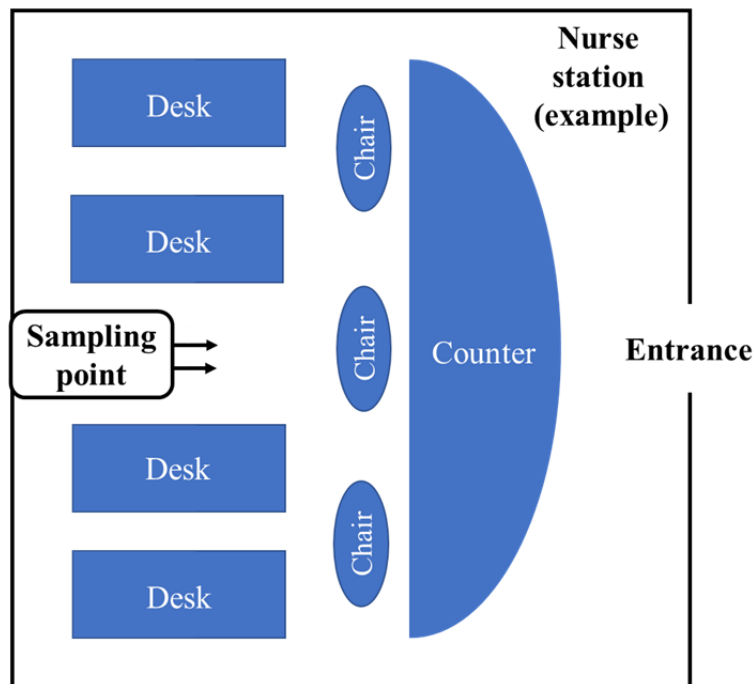


Supplementary Information

Fig. S1. The description for sampling points in hospitals: (a) lobby and (b) the other study spaces.



(a) Lobby



(b) The other study spaces (example: nurse station)

Fig. S1. The description for sampling points in hospitals: (a) lobby and (b) the other study spaces.

Table S1. Summary of indoor PM, temperature, and RH levels for different air conditioning types

Table S2. Summary of indoor PM, temperature, and RH levels for different working areas

Table S3. Corrections between the indoor PM level and outdoor PM level for various types of air conditioning

Table S1. Summary of indoor PM, temperature, and RH levels for different air conditioning types

Mean ± Std.	AHU + FCU	AHU	FCU	Window and Signal Split type	<i>p-value</i>*
PM _{2.5} (µg m ⁻³)	11.8 ± 5.2	12.6 ± 5.4	13.3 ± 5.1	11.3 ± 6.4	0.79
PM _{2.5-10} (µg m ⁻³)	10.3 ± 4.4	11.6 ± 5.4	12.9 ± 5.1	15.4 ± 6.8	< 0.05
Temp. (°C)	23.7 ± 0.8	23.2 ± 0.9	23.5 ± 1.1	23.4 ± 1.6	0.50
RH (%)	58.5 ± 4.9	61.8 ± 4.2	56.4 ± 4.7	60.4 ± 6.1	0.05

*One-Way ANOVA was used to examine the differences in indoor parameters in different air conditioning types (statistical significant was set at $p < 0.05$).

AHU: air handing unit; **FCU:** fan cooling unit; **Temp.:** temperature; **RH:** Relative humidity.

Table S2. Summary of indoor PM, temperature, and RH levels for different working areas

Mean ± Std.	Nurse Station	Clinic	Clinic Waiting Area	Lobby	Ward	<i>p-value</i>*
PM _{2.5} (µg m ⁻³)	11.9 ± 4.1	10.3 ± 4.2	12.9 ± 6.3	13.2 ± 5.6	11.5 ± 4.0	0.45
PM _{2.5-10} (µg m ⁻³)	9.4 ± 3.4	10.9 ± 4.6	11.2 ± 4.9	13.8 ± 6.1	8.1 ± 3.2	0.11
Temp. (°C)	23.8 ± 1.1	22.6 ± 2.4	23.5 ± 2.4	23.5 ± 2.5	24.8 ± 1.0	0.15
RH (%)	63.8 ± 5.2	66.2 ± 8.7	70.0 ± 7.3	63.5 ± 5.9	58.5 ± 7.8	0.15

*One-Way ANOVA was used to examine the differences in indoor parameters in different working areas (statistical significant was set at $p < 0.05$).

Temp.: temperature; **RH:** Relative humidity.

Table S3. Correlations between the indoor PM level and outdoor PM level for various types of air conditioning

Air conditioning type	PM _{2.5}		PM _{2.5-10}	
	r	<i>p-value</i> *	r	<i>p-value</i> *
AHU mix FCU	0.31	< 0.05	0.23	0.16
AHU	0.70	< 0.05	0.22	0.49
FCU	0.32	0.28	-0.20	0.51
Window and signal split type	0.98	< 0.0001	0.73	< 0.05

AHU: air handling unit; FCU: fan cooling unit.

*Linear regression model was used to analyze the correlation (statistical significant was set at $p < 0.05$).