Characteristics	Non- in	terpolation	Interpolation		
	OR	95% Cl	OR	95% Cl	
nsecticide					
Rarely or never	1		1		
Seldom	1.16	0.98–1.37	1.13	0.96–1.32	
Sometimes	1.01	0.82-1.26	1.02	0.84-1.26	
Often	0.95	0.68-1.33	0.95	0.69–1.31	
Repellents					
Rarely or never	1		1		
Seldom	0.88	0.74-1.04	0.9	0.77-1.06	
Sometimes	1.08	0.91-1.29	1.12	0.95-1.32	
Often	1.32*	1.08-1.61	1.28*	1.06-1.55	
Anti–caries agent					
Rarely or never	1		1		
Seldom	1.13	0.90-1.40	1.03	0.84-1.27	
Sometimes	1.11	0.82-1.50	0.97	0.72-1.31	
Often	0.99	0.65-1.50	1.00	0.67-1.48	
Air freshener					
Rarely or never	1		1		
Seldom	0.82	0.59–1.15	0.82	0.61-1.12	
Sometimes	0.77	0.47-1.26	0.74	0.45-1.21	
Often	1.58	0.83–2.98	1.34	0.73-2.44	
lir purifier					
Rarely or never	1		1		
Seldom	1.49	1.01-2.19	1.44	0.99–2.08	
Sometimes	1.19	0.64–2.19	1.14	0.63-2.06	
Often	0.91	0.39–2.12	1.18	0.56-2.5	
Disinfectant					
Rarely or never	1		1		
Seldom	1.06	0.85-1.31	1.10	0.9–1.35	
Sometimes	1.22	0.92-1.62	1.19	0.91-1.56	
Often	0.89	0.60-1.30	1.01	0.72-1.41	
Toilet cleaner					
Rarely or never	1		1		
Seldom	1.08	0.88-1.33	1.10	0.91-1.34	
Sometimes	0.88	0.70-1.11	0.95	0.77-1.18	
Often	0.97	0.76-1.23	1.02	0.81-1.28	
Dil remover					
Rarely or never	1		1		
Seldom	0.98	0.79–1.23	1.02	0.83-1.26	
Sometimes	1.07	0.85-1.36	1.07	0.85-1.34	

Supplementary Table S1. Comparison of results before and after missing data interpolation

	Non– interpolation		Interpolation	
Characteristics	OR	95% Cl	OR	95% Cl
Often	1.28*	1.02–1.60	1.28*	1.03-1.58
ge	1.01***	1.01-1.02	1.01***	1.01-1.02
ex(male)	0.73***	0.63-0.84	0.74***	0.65–0.85
esidence(city)				
Town	0.69***	0.58-0.81	0.69***	0.58-0.81
Rural	0.65***	0.55-0.77	0.65***	0.56-0.77
noking(no)	1.70***	1.49-1.96	1.70***	1.48-1.96
inking(yes)	1.09	0.94–1.26	1.11	0.97–1.28
usty smell(no)	0.79**	0.67–0.94	0.78**	0.67–0.91
stance from the traffic artery(<50m)	0.87*	0.75-1.01	0.85*	0.74–0.97
tchen ventilation(no)	1.04	0.83-1.30	1.12	0.91-1.39
entilation Winter(no)	0.96	0.83-1.12	0.91	0.79-1.05

Note. OR, odds ratio; *CI*, confidence interval; *, *P* < 0.05; **, *P* < 0.01; ***, *P* < 0.001;

Supplementary Table S2. Logical regression after deleting participants older than 105 years old

Characteristics	Before	e deletion	After deletion	
Characteristics	OR	95% Cl	OR	95% Cl
Insecticide				
Rarely or never	1		1	
Seldom	1.13	0.96-1.32	1.15	0.98–1.35
Sometimes	1.02	0.84-1.26	1.01	0.82-1.24
Often	0.95	0.69–1.31	0.95	0.68-1.30
Repellents				
Rarely or never	1		1	
Seldom	0.90	0.77-1.06	0.91	0.77-1.07
Sometimes	1.12	0.95-1.32	1.14	0.97–1.35
Often	1.28*	1.06-1.55	1.29**	1.07-1.57
Anti–caries agent				
Rarely or never	1		1	
Seldom	1.03	0.84-1.27	1.00	0.80-1.23
Sometimes	0.97	0.72-1.31	0.96	0.71-1.29
Often	1.00	0.67-1.48	0.97	0.64-1.43
Air freshener				
Rarely or never	1		1	
Seldom	0.82	0.61-1.12	0.84	0.61-1.13
Sometimes	0.74	0.45-1.21	0.75	0.45-1.20
Often	1.34	0.73-2.44	1.4	0.74–2.52
Air purifier				
Rarely or never	1		1	
Seldom	1.44	0.99–2.08	1.42	0.97–2.05

Continued

				Continued	
Chavestavistics	Before	Before deletion		After deletion	
Characteristics	OR	95% Cl	OR	95% CI	
Sometimes	1.14	0.63–2.06	1.15	0.62-2.04	
Often	1.18	0.56-2.5	1.08	0.48-2.28	
Disinfectant					
Rarely or never	1		1		
Seldom	1.10	0.9–1.35	1.09	0.89-1.34	
Sometimes	1.19	0.91-1.56	1.18	0.89–1.54	
Often	1.01	0.72-1.41	0.99	0.69-1.38	
Toilet cleaner					
Rarely or never	1		1		
Seldom	1.10	0.91-1.34	1.11	0.91-1.35	
Sometimes	0.95	0.77–1.18	0.95	0.77-1.18	
Often	1.02	0.81-1.28	1.02	0.81-1.27	
Oil remover					
Rarely or never	1		1		
Seldom	1.02	0.83-1.26	1.03	0.83-1.26	
Sometimes	1.07	0.85-1.34	1.08	0.86-1.35	
Often	1.28*	1.03-1.58	1.28*	1.03-1.58	

Note. *OR*, odds ratio; *Cl*, confidence interval; *, *P* < 0.05; **, *P* < 0.01; ***, *P* < 0.001; Model was adjusted for age, sex, residency, smoking, drinking, musty smell, distance from the traffic artery, kitchen ventilation and ventilation Winter.

Chanachanistian	Before	deletion	After deletion	
Characteristics	OR	95% Cl	OR	95% Cl
Fotal score	1.03***	1.02-1.05	1.03***	1.02-1.05
\ge	1.01***	1.01-1.02	1.01***	1.01-1.02
ex (male)	0.74***	0.65–0.85	0.75***	0.65–0.86
lesidence (city)				
Town	0.69***	0.60-0.80	0.70***	0.60-0.81
Rural	0.65***	0.57-0.75	0.66***	0.57-0.77
moking (no)	1.70***	1.48-1.95	1.70***	1.47–1.95
rinking (yes)	1.11	0.97-1.28	1.12	0.97-1.28
lusty smell (no)	0.77**	0.66–0.90	0.75**	0.65–0.88
istance from the traffic artery (< 50 m)	0.85*	0.74-0.98	0.87	0.76-1.00
itchen ventilation (no)	1.12	0.91-1.39	1.11	0.90-1.37
entilation Winter (no)	0.91	0.79-1.05	0.92	0.80-1.06

Supplementary Table S3. Logical regression after deleting participants older than 105 years old

Note. *OR*, odds ratio; *CI*, confidence interval; *, *P* < 0.05; **, *P* < 0.01; ***, *P* < 0.001;

Characteristics	OR	95% Cl
Insecticide		
Low	1	
Medium	1.09	0.95– 1.26
High	0.96	0.69– 1.31
Repellents		
Low	1	
Medium	1.00	0.87-1.14
High	1.26*	1.04– 1.52
Anti–caries agent		
Low	1	
Medium	1.00	0.84– 1.20
High	1.01	0.67– 1.48
Air freshener		
Low	1	
Medium	0.80	0.60- 1.05
High	1.35	0.72-2.41
\ir purifier		
Low	1	
Medium	1.33	0.95– 1.85
High	1.18	0.54– 2.43
Disinfectant		
Low	1	
Medium	1.13	0.95– 1.35
High	0.99	0.70-1.38
oilet cleaner		
Low	1	
Medium	1.03	0.87– 1.22
High	1.03	0.82-1.28
Dil remover		
Low	1	
Medium	1.04	0.87-1.23
High	1.27*	1.02-1.57

Supplementary Table S4. Logistic regression analysis of household chemicals and RD

Note. OR, odds ratio; Cl, confidence interval; *, P < 0.05; **, P < 0.01; ***, P < 0.001; Model was adjusted for age, sex, residency, smoking, drinking, musty smell, distance from the traffic artery, kitchen ventilation and ventilation Winter.

Characteristics	Model 1		E–value		
	OR	95% CI	Point	СІ	
Insecticide					
Rarely or never	1				
Seldom	1.13	0.96-1.32			
Sometimes	1.02	0.84-1.26			
Often	0.95	0.69-1.31			
Repellents					
Rarely or never	1				
Seldom	0.9	0.77-1.06			
Uometimes	1.12	0.95-1.32			
Often	1.28*	1.06-1.55	1.88	1.31	
Anti–caries agent					
Rarely or never	1				
Seldom	1.03	0.84-1.27			
Sometimes	0.97	0.72-1.31			
Often	1.00	0.67-1.48			
Air freshener					
Rarely or never	1				
Seldom	0.82	0.61-1.12			
Sometimes	0.74	0.45-1.21			
Often	1.34	0.73-2.44			
Air purifier					
Rarely or never	1				
Seldom	1.44	0.99-2.08			
Sometimes	1.14	0.63-2.06			
Often	1.18	0.56-2.5			
Disinfectant					
Rarely or never	1				
Seldom	1.10	0.9–1.35			
Sometimes	1.19	0.91-1.56			
Often	1.01	0.72-1.41			
Toilet cleaner					
Rarely or never	1				
Seldom	1.10	0.91-1.34			
Sometimes	0.95	0.77-1.18			
Often	1.02	0.81-1.28			
Oil remover					
Rarely or never	1				
Seldom	1.02	0.83-1.26			
Sometimes	1.07	0.85-1.34			
Often	1.28*	1.03-1.58	1.88	1.21	

Supplementary Table S5. E-value

Note. OR, odds ratio; Cl, confidence interval; *, P < 0.05; **, P < 0.01; ***, P < 0.001; Model 1 was adjusted for age, sex, residency, somking, drinking, musty smell, distance from the traffic artery, kitchen ventilation and ventilation Winter.

	Suppleme	entary Table So. E-value		
Characteristics	Model 1		E-value	
	OR	95% Cl	Point	CI
Total score	1.04***	1.03-1.06	1.24	1.21

Supplementary Table S6. E-value

Note. OR, odds ratio; CI, confidence interval; *, P < 0.05; **, P < 0.01; ***, P < 0.001; Model 1 was adjusted for age, sex, residency, smoking, drinking, musty smell, distance from the traffic artery, kitchen ventilation and ventilation Winter.