

Figure S1. Outdoor noise in Seoul across the floor on which the respondents live (a) percentage of respondents hearing noise, (b) mean annoyance ratings, (c) %HA ratings. Error bars indicate standard errors (* p < 0.05).

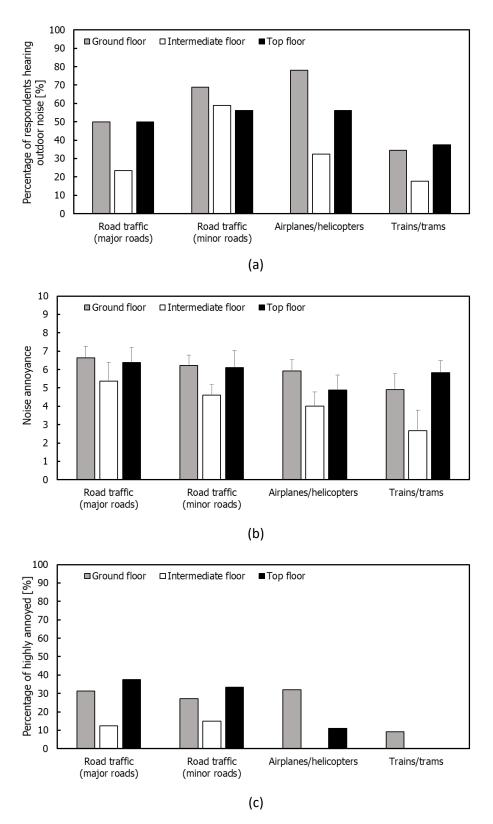


Figure S2: Outdoor noise in London across the floor on which the respondents live (a) percentage of respondents hearing noise, (b) mean annoyance ratings, (c) %HA ratings. Error bars indicate standard errors.

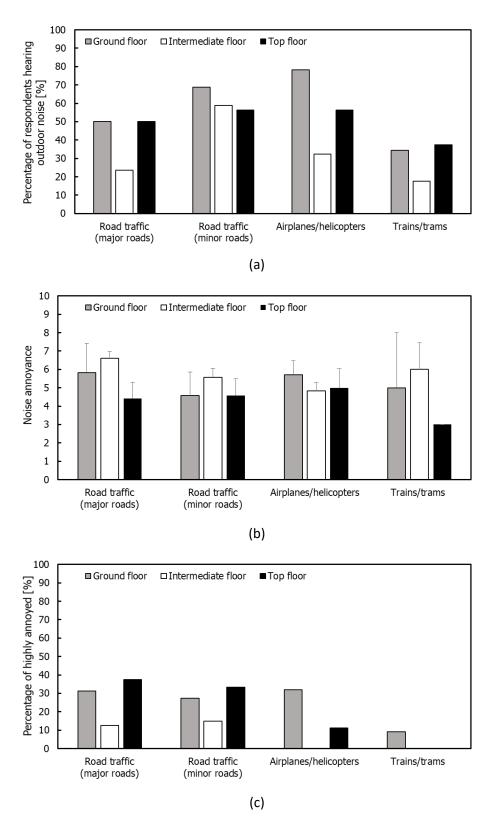


Figure S3: Outdoor noise in São Paulo across the floor on which the respondents live (a) percentage of respondents hearing noise, (b) mean annoyance ratings, (c) %HA ratings. Error bars indicate standard errors.

Text Material S1: Questionnaire.

INFORMATION ABOUT YOUR HOME

1.	How satisfied are you with your home in terms of:
	a. Location to amenities (e.g. shops, parks)
	() not at all () slightly () moderately () very () extremely
	b. Transport links
	() not at all () slightly () moderately () very () extremelyc. Safety of the neighbourhood
	() not at all () slightly () moderately () very () extremely b. Number of rooms
	() not at all () slightly () moderately () very () extremely c. Size of the rooms
	() not at all () slightly () moderately () very () extremely
2.	What is your postcode? (Note: If you don't wish to tell us your full postcode, the first 3 or 4 letters/numbers are sufficient.)
3.	Please describe the type of dwelling
	a. Flat/ studio
	b. Semi-detached house
	c. Terraced house
	d. Detached house
FOR F	3.a. On which floor do you live? a. Top floor b. Intermediate floor c. Ground floor
FOR F	FLATS/STUDIOS AND HOUSES:
	How long have you been living in this flat/studio/house?
	a. Less than 1 year
	b. Between 1 and 5 years
	c. Over 5 years
<u>IF OVI</u>	ER 5 YEARS, GO TO 4a
	4a Please tell us how many years you have been living in this
	flat/studio/house.
	You can give an approximate number of years.
5.	In what part of your flat/ house do you spend most of your time during the day? () Living room () Home office () Bedroom

WE ARE GOING TO ASK THESE QUESTIONS SEPARATELY FOR: FLAT/LIVING ROOM, FLAT/ HOME OFFICE, FLAT/ BEDROOM, HOUSE/ LIVING ROOM, HOUSE/ HOME OFFICE, HOUSE/ BEDROOM, DEPENDING ON THE ANSWERS THEY GAVE IN THE PREVIOUS QUESTIONS

NOISE FROM OUTSIDE YOUR HOME*

6. When you are in your bedroom/ living room/ home office with the windows closed, do you hear noise from outside your home (e.g. major and minor roads, airplanes, helicopters, trains, trams)? Yes/No

IF YES, GO TO 7. IF NO, GO TO 11

7. Thinking about when you are in your bedroom/ living room/ home office with the windows closed, do you hear road traffic noise from major roads (motorways, dual carriageways and A roads)? Yes/No

IF YES, GO TO 7a

7.a How much does noise from major roads (motorways, dual carriageways and A roads) annoy you?

This uses a scale from 0-to-10. If you are not annoyed at all choose 0; if you are extremely annoyed choose 10; otherwise, choose a number between 0 and 10, that represents your annoyance.

0 = Not at all annoyed										10 = Extremely annoyed
0	1	2	3	4	5	6	7	8	9	10
			_	-						

8. Thinking about when you are in your bedroom/ living room/ home office with the windows closed, do you hear road traffic noise from minor roads (B roads, minor roads, cul-de-sacs)? Yes/No

IF YES, GO TO 8a

8.a How much does noise from minor roads (B roads, minor roads, cul-de-sacs) annoy you?

0 = Not at all annoyed										10 = Extremely annoyed
0	1	2	3	4	5	6	7	8	9	10

9. Thinking about when you are in your bedroom/ living room/ home office with the windows closed, do you hear noise from airplanes and/or helicopters? Yes/No

IF YES, GO TO 9a

9.a How much does noise from airplanes and/or helicopters annoy you?

This uses a scale from 0-to-10. If you are not annoyed at all choose 0; if you are extremely annoyed choose 10; otherwise, choose a number between 0 and 10, that represents your annoyance.

0 = Not at all annoyed										10 = Extremely annoyed
0	1	2	3	4	5	6	7	8	9	10

10. Thinking about when you are in your bedroom/ living room/ home office with the windows closed, do you hear noise from trains and/or trams? Yes/No

IF YES, GO TO 10a

10.a How much does noise from trains and/or trams annoy you?

0 = Not at all annoyed										10 = Extremely annoyed
0	1	2	3	4	5	6	7	8	9	10
					_		_			

NOISE FROM COMMUNAL AREAS IN YOUR BUILDING*(ONLY FOR FLATS)

11. When you are in your bedroom/ living room/ home office with the windows closed, do you hear noise from communal areas in your building (e.g. from talking, shouting, footsteps, jumping, running, doors closing)? Yes/No

IF YES, GO TO 12. IF NO, GO TO 18

12. Thinking about when you are in your bedroom/ living room/ home office with the windows closed, do you hear noise from talking and/or shouting that come from communal areas in your building? Yes/No

IF YES, GO TO 12a

12.a How much does noise from talking and/or shouting that come from communal areas in your building annoy you?

This uses a scale from 0-to-10. If you are not annoyed at all choose 0; if you are extremely annoyed choose 10; otherwise, choose a number between 0 and 10, that represents your annoyance.

0 = Not at all annoyed										10 = Extremely annoyed
0	1	2	3	4	5	6	7	8	9	10

13. Thinking about when you are in your bedroom/ living room/ home office with the windows closed, do you hear noise from footsteps and/or jumping and/or running that come from communal areas in your building? Yes/No

IF YES, GO TO 13a

13.a How much does noise from footsteps and/or jumping and/or running that come from communal areas in your building annoy you?

0 = Not at	10 =
all	Extremely
annoyed	annoyed

0	1	2	3	4	5	6	7	8	9	10

14. Thinking about when you are in your bedroom/ living room/ home office with the windows closed, do you hear noise from doors closing that come from communal areas in your building? Yes/No

IF YES, GO TO 14a

14.a How much does noise from doors closing that come from communal areas in your building annoy you?

This uses a scale from 0-to-10. If you are not annoyed at all choose 0; if you are extremely annoyed choose 10; otherwise, choose a number between 0 and 10, that represents your annoyance.

0 = Not at all annoyed										10 = Extremely annoyed
0	1	2	3	4	5	6	7	8	9	10
		_			_			_		

15. Thinking about when you are in your bedroom/ living room/ home office with the windows closed, do you hear noise from service installations (lift, power generator, ventilation machinery) that come from communal areas in your building? Yes/No

IF YES, GO TO 15a

15.a How much does noise from service installations (lift, power generator, ventilation machinery) that come from communal areas in your building annoy you?

0 = Not at all annoyed										10 = Extremely annoyed
0	1	2	3	4	5	6	7	8	9	10

build	ing?	Yes/No)										
	Pleas	e descr	ibe thi	is noise	e sourc	e here		areas i	n your buildin	g annoy you?			
				-			•		oose 0; if you and 10, that rep	-			
0 = Not at all annoyed	0 = Not at all 10 = Extremely												
0	1	2	3	4	5	6	7	8	9	10			
windd buildi <i>IF YES, GO T</i>	ows (ing?	closed, Yes/No 7 <i>a ANL</i>	do y o	ou hea <u>IF NO,</u>	ar any	other <u>O 18</u>	noise	_	room/ home of communal a				
		e descr much o						areas i	n your building	g annoy you?			
	17.b How much does this noise from communal areas in your building annoy you? This uses a scale from 0-to-10. If you are not annoyed at all choose 0; if you are extremely annoyed choose 10; otherwise, choose a number between 0 and 10, that represents your annoyance.												
0 = Not at all annoyed	0 = Not at all 10 = Extremely												
0	1	2	3	4	5	6	7	8	9	10			
<u> </u>	1		1	11	1	ı	1		11	<u> </u>			

NOISE FROM NEIGHBOURS' PROPERTY*

16. Thinking about when you are in your bedroom/ living room/ home office with the windows closed, do you hear any other noise from communal areas in your

18. When you are in your bedroom/ living room/ home office with the windows closed, do you hear noise from the neighbours' property (e.g. talking, shouting, footsteps, jumping, running, dropped objects)? Yes/No

IF YES, GO TO 19. IF NO, GO TO 36

19. Thinking about when you are in your bedroom/ living room/ home office with the windows closed, do you hear noise from talking and/or shouting that come from your neighbours' property? Yes/No

IF YES, GO TO 19a

19.a How much does noise from talking and/or shouting that come from your neighbours' property annoy you?

This uses a scale from 0-to-10. If you are not annoyed at all choose 0; if you are extremely annoyed choose 10; otherwise, choose a number between 0 and 10, that represents your annoyance.

0 = Not at all annoyed										10 = Extremely annoyed
0	1	2	3	4	5	6	7	8	9	10

20. Thinking about when you are in your bedroom/ living room/ home office with the windows closed, do you hear noise from footsteps and/or jumping and/or running that come from your neighbours' property? Yes/No

IF YES, GO TO 20a

20.a How much does noise from footsteps and/or jumping and/or running that come from your neighbours' property annoy you?

0 = Not at all annoyed										10 = Extremely annoyed
0	1	2	3	4	5	6	7	8	9	10
		_	_	_	_	-	_			

21. Thinking about when you are in your bedroom/ living room/ home office with the windows closed, do you hear noise from dropped objects (e.g. children dropping toys) that come from your neighbours' property? Yes/No

IF YES, GO TO 21a

21.a How much does noise from dropped objects (e.g. children dropping toys) that come from your neighbours' property annoy you?

This uses a scale from 0-to-10. If you are not annoyed at all choose 0; if you are extremely annoyed choose 10; otherwise, choose a number between 0 and 10, that represents your annoyance.

0 = Not at all annoyed										10 = Extremely annoyed
0	1	2	3	4	5	6	7	8	9	10

22. Thinking about when you are in your bedroom/ living room/ home office with the windows closed, do you hear noise from movement of furniture (e.g. chairs dragged across the floor) that come from your neighbours' property? Yes/No

IF YES, GO TO 22a

22.a How much does noise from movement of furniture (e.g. chairs dragged across the floor) that come from your neighbours' property annoy you?

This uses a scale from 0-to-10. If you are not annoyed at all choose 0; if you are extremely annoyed choose 10; otherwise, choose a number between 0 and 10, that represents your annoyance.

0 = Not at all annoyed										10 = Extremely annoyed
0	1	2	3	4	5	6	7	8	9	10
				_		_				

23. Thinking about when you are in your bedroom/ living room/ home office with the windows closed, do you hear noise from doors closing that come from your neighbours' property? Yes/No

IF YES, GO TO 23a

23.a How much does noise from doors closing that come from your neighbours' property annoy you?

This uses a scale from 0-to-10. If you are not annoyed at all choose 0; if you are extremely annoyed choose 10; otherwise, choose a number between 0 and 10, that represents your annoyance.

0 = Not at all annoyed										10 = Extremely annoyed
0	1	2	3	4	5	6	7	8	9	10

24. Thinking about when you are in your bedroom/ living room/ home office with the windows closed, do you hear noise from TV and/or Music and/or Video games and/or Radio that come from your neighbours' property? Yes/No

IF YES, GO TO 24a

24.a How much does noise from TV and/or music and/or video games and/or radio that come from your neighbours' property annoy you?

This uses a scale from 0-to-10. If you are not annoyed at all choose 0; if you are extremely annoyed choose 10; otherwise, choose a number between 0 and 10, that represents your annoyance.

0 = Not at all annoyed										10 = Extremely annoyed
0	1	2	3	4	5	6	7	8	9	10
			_		_					

25. Thinking about when you are in your bedroom/ living room/ home office with the windows closed, do you hear noise from telephone ringing that come from your neighbours' property? Yes/No

IF YES, GO TO 25a

25.a How much does noise from telephone ringing that come from your neighbours' property annoy you?

This uses a scale from 0-to-10. If you are not annoyed at all choose 0; if you are extremely annoyed choose 10; otherwise, choose a number between 0 and 10, that represents your annoyance.

0 = Not at all annoyed										10 = Extremely annoyed
0	1	2	3	4	5	6	7	8	9	10

26. Thinking about when you are in your bedroom/ living room/ home office with the windows closed, do you hear noise from light switches (turned on and off) and/or electric sockets (plugs being inserted into sockets) that come from your neighbours' property? Yes/No

IF YES, GO TO 26a

26.a How much does noise from light switches (turned on and off) and/or electric sockets (plugs being inserted into sockets) that come from your neighbours' property annoy you?

This uses a scale from 0-to-10. If you are not annoyed at all choose 0; if you are extremely annoyed choose 10; otherwise, choose a number between 0 and 10, that represents your annoyance.

0 = Not at all annoyed										10 = Extremely annoyed
0	1	2	3	4	5	6	7	8	9	10

27. Thinking about when you are in your bedroom/ living room/ home office with the windows closed, do you hear noise from home appliances (washing machine, dish washer, tumble dryer, vacuum cleaner) that come from your neighbours' property? Yes/No

IF YES, GO TO 27a

27.a How much does noise from home appliances (washing machine, dish washer, tumble dryer, vacuum cleaner) that come from your neighbours' property annoy you?

This uses a scale from 0-to-10. If you are not annoyed at all choose 0; if you are extremely annoyed choose 10; otherwise, choose a number between 0 and 10, that represents your annoyance.

0 = Not at all annoyed										10 = Extremely annoyed
0	1	2	3	4	5	6	7	8	9	10

28. Thinking about when you are in your bedroom/ living room/ home office with the windows closed, do you hear noise from dogs barking that come from your neighbours' property? Yes/No

IF YES, GO TO 28a

28.a How much does noise from dogs barking that come from your neighbours' property annoy you?

This uses a scale from 0-to-10. If you are not annoyed at all choose 0; if you are extremely annoyed choose 10; otherwise, choose a number between 0 and 10, that represents your annoyance.

0 = Not at all annoyed										10 = Extremely annoyed
0	1	2	3	4	5	6	7	8	9	10
		_	-	_	_	_	_	_		

29. Thinking about when you are in your bedroom/ living room/ home office with the windows closed, do you hear noise from water installations (water sounds from pipes, plumbing, flushing toilet, shower, bath) that come from your neighbours' property? Yes/No

IF YES, GO TO 29a

29.a How much does noise from water installations (water sounds from pipes, plumbing, flushing toilet, shower, bath) that come from your neighbours' property annoy you?

0 = Not at all annoyed										10 = Extremely annoyed
0	1	2	3	4	5	6	7	8	9	10
30. Thinking about when you are in your bedroom/ living room/ home office with the windows closed, do you hear any other noise from your neighbours' property? Yes/No										
<u>IF YES, GO 7</u>		<i>Da ANL</i> e descr								
								bours'	property anno	oy you?
				-			-		oose 0; if you a and 10, that re	•
0 = Not at all annoyed										10 = Extremely annoyed
0	1	2	3	4	5	6	7	8	9	10
	ws (-		-			_	room/ home of our neighbour	
	Pleas	e descr	ibe thi	is nois	e sour	ce here		bours'	property anno	oy you?
				-			•		oose 0; if you a and 10, that rep	•
0 = Not at all annoyed										10 = Extremely annoyed

0	1	2	3	4	5	6	7	8	9	10

RELATIONSHIP WITH YOUR NEIGHBOUR

32. Do you know which of your neighbours causes the noise?
() None of them () Some of them () All of them () I don't have noisy neighbours
IF YOU CHOOSE SOME OR ALL: 32a How would you describe your relationship with this neighbour that lives (answer as applicable): a. Above you
() not at all close () slightly close () moderately close () very close () extremely close b. Below you
() not at all close () slightly close () moderately close () very close () extremely close c. On one side
() not at all close () slightly close () moderately close () very close () extremely close d. On the other side
() not at all close () slightly close () moderately close () very close () extremely close

SENSITIVITY TO NOISE

33. Thinking about the noise you experience when you are in your home that comes from your neighbours' property, please indicate your agreement with the following statements.

This uses a 1-to-5 scale. If you disagree strongly choose 1; if you agree strongly choose 5; otherwise, choose a number between 2 or 4, that represents your level of agreement.

- 1. I feel vulnerable when it is noisy and I am trying to get to sleep. Disagree strongly 1 2 3 4 5 Agree strongly
- 2. I don't feel happy when it is noisy.

Disagree strongly 1 2 3 4 5 Agree strongly

3. I am easily awakened by noise.

Disagree strongly 1 2 3 4 5 Agree strongly

4. It is difficult for me to adapt to noise.

Disagree strongly 1 2 3 4 5 Agree strongly

5. I don't feel safe when it is noisy.

Disagree strongly 1 2 3 4 5 Agree strongly

6.		I find it difficult to get to sleep when there is noise.								
7.	Disagree strongly 1 2 3 4 5 Agree strongly I am sensitive to noise.									
	Disagree strongly 1 2 3 4 5 Agree strongly									
8.	I cannot relax when it is noisy. Disagree strongly 1 2 3 4 5 Agree strongly									
9.	I cannot concentrate when it is noisy. Disagree strongly 1 2 3 4 5 Agree strongly									
REAC	CTION TO	<u>NOISE</u>								
34	_			-	xperience when you are in your home that comes y, how often do you react as indicated below?					
otherv	vise, choose	a number	r betwe	een 1 to	ar answer is never, choose 1; if it is always choose 5; 5, that represents how frequently it happens to you ng to stop the noise.					
	Never 1	2	3	4	5 Always					
b.	I talk to someone about the problem.									
	Never 1	2	3	4	5 Always					
c.	. I start to talk louder when I'm in a conversation.									
	Never 1	2	3	4	5 Always					
d.	I increase the volume of the radio/TV/music.									
	Never 1	2	3	4	5 Always					
e.	I think ab	out movi	ing to a	a differ	ent property.					
	Never 1	2	3	4	5 Always					
f.	I go outsio	de.								
	Never 1	2	3	4	5 Always					
g.	I imagine (or daydream about) a better time or place.									
	Never 1	2	3	4	5 Always					
h.	I outwardly express anger towards the neighbours that create the noise.									
	Never 1	2	3	4	5 Always					
i.	I resign m	I resign myself to it.								
	Never 1	2	3	4	5 Always					
j.	I use an activity to distract me.									
	Never 1	2	3	4	5 Always					
k.	I knock on the wall, floor or ceiling or shout.									

	Never 1	2	3	4	5 Always				
l.	I inwardly express anger towards the neighbours that create the noise.								
	Never 1	2	3	4	5 Always				
m.	I go into a	differen	t room	1.					
	Never 1	2	3	4	5 Always				
n.	I say to my neighbour that I don't hear them, even though I do.								
	Never 1	2	3	4	5 Always				
0.	I try to ig	nore the	noise.						
	Never 1	2	3	4	5 Always				
35 <u>IF YE.</u>	() Yes S: 35.a. How a. b. c. d. e. f. g.	did you By callir By writin By comp By bring By conta	complage the range a noolaining up the range that	ain? You neighbout to the g directly the que he proposition and the proposition are th	t the noise from your neighbours' property? ou may select more than one. our on the intercom or by telephone e neighbour y to the neighbour (Face to face contact) stion of "noise" at meetings of the tenants erty management office ad/or local security mment office or/and local council (e.g.				
<u>DEM</u>	<u>OGRAPHI</u>	C DATA							
36. Ag	ge: 18 to	353	6 to 50)	51 to 64 65 or over				
37. Ge	ender:	_Male		Female					
	re you Briti)Yes				(DELETE AS APPLICABLE)(IF NO, SPECIFY YOUR NATIONALITY)				
ä	lucation a.School lev b.University								
40. Er	nployment	Status							

- a.Full-Time worker
- b.Part-Time worker
- c.Self-employed
- d.Unemployed
- e.Student
- f. Homemaker (looking after family at home)
- g.Retired

IF YOU CHOSE a, b or c, GO TO 39a

39.a What are your work hours?

- a. Day shift
- b. Night shift
- c. Varies between night and day shifts

41. Annual household income (VALUES WILL BE CONVERTED TO CURRENCIES FOR KOREA AND BRAZIL)

- a. Below £ 10,700 per annum
- b.Between £ 10,700 and £ 53,500 per annum
- c.Between £53, 500 and £107,700 per annum
- d.At least £ 107,700 per annum
- e.Not known

42. People you live with

No-one (i.e. alone)

With people who are not your family

With family including children under the age of 12 years old

With family including children over the age of 12 years old

With family but without children

Thank you for participating in our study about attitudes to noise inside dwellings in London/Seoul/Sao Paulo. (DELETE AS APPLICABLE)