

## Annoyance, Sleep and Concentration Problems due to Combined Traffic Noise and the Benefit of Quiet Side

**Table S1.** Proportion annoyed due to road traffic or railway noise based on objective and subjective access to quiet side percent (n).

<b>L<sub>Aeq24h</sub> dB(A) COMBINED</b>		<b>&lt;40</b>	<b>40–44</b>	<b>45–49</b>	<b>50–54</b>	<b>55–59</b>	<b>≥60</b>	<b>Total</b>
Annoyed (total)		4% (4)	7% (32)	20% (124)	32% (199)	43% (259)	65% (82)	27% (700)
Window(s) facing green space	No	5% (1)	8% (7)	32% (51)	47% (91)	54% (105)	75% (39)	42% (294)
	Yes	3% (3)	6% (25)	16% (71)	25% (108)	39% (154)	58% (42)	22% (403)
				*	*	*		*
Bedroom window facing green space	No	4% (1)	13% (15)	31% (69)	50% (126)	52% (149)	71% (57)	42% (417)
	Yes	4% (3)	5% (17)	14% (53)	19% (69)	35% (105)	56% (25)	18% (272)
			*	*	*	*		*
Subjective access to quiet indoor space	No	15% (2)	16% (12)	35% (77)	50% (140)	57% (183)	79% (62)	48% (476)
	Yes	2% (2)	5% (20)	11% (44)	17% (57)	27% (74)	41% (19)	14% (216)
			*	*	*	*	*	*

Note: \* Difference between Yes and No  $p < 0.05$ .

**Table S2.** Bad sleep quality in relation to noise from combined sources, by three different measures of access to quiet side.

<b>L<sub>Aeq24h</sub> dB(A) COMBINED</b>		<b>&lt;40</b>	<b>40–44</b>	<b>45–49</b>	<b>50–54</b>	<b>55–59</b>	<b>≥60</b>	<b>Total</b>
Window(s) facing green space	no	21% (4)	16% (13)	16% (25)	24% (45)	32% (62)	24% (12)	23% (161)
	yes	9% (8)	12% (48)	18% (82)	20% (84)	22% (85)	25% (17)	18% (324)
						*		*
Bedroom window facing green space	no	14% (4)	17% (18)	19% (41)	23% (58)	29% (81)	26% (20)	23% (222)
	yes	10% (8)	12% (42)	17% (66)	20% (71)	21% (63)	23% (10)	17% (260)
						*		*
Subjective access to quiet indoor space	no	15% (2)	16% (12)	24% (53)	27% (74)	28% (90)	27% (20)	26% (251)
	yes	10% (10)	12% (49)	14% (53)	16% (55)	21% (56)	22% (10)	15% (233)
				*	*	*		*

Note: \* Difference between Yes and No  $p < 0.05$ .

**Table S3.** Concentration difficulties in relation to noise from combined sources, by three different measures of access to quiet side.

<b>LAeq24h dB(A)</b>		<b>&lt;40</b>	<b>40–44</b>	<b>45–49</b>	<b>50–54</b>	<b>55–59</b>	<b>≥60</b>	<b>Total</b>
<b>COMBINED</b>								
Window(s) facing green space	no	26% (5)	18% (15)	27% (42)	25% (47)	33% (64)	33% (16)	27% (189)
	yes	17% (15)	16% (63)	20% (91)	21% (89)	23% (89)	25% (17)	20% (364)
						*		*
Bedroom window facing green space	no	18% (5)	18% (20)	24% (52)	27% (67)	30% (85)	32% (24)	26% (253)
	yes	19% (15)	16% (56)	21% (79)	19% (69)	22% (66)	23% (10)	19% (295)
					*	*		*
Subjective access to quiet indoor space	no	15% (2)	25% (18)	29% (63)	26% (72)	32% (103)	28% (21)	29% (279)
	yes	20% (19)	15% (59)	18% (68)	19% (64)	18% (49)	28% (13)	18% (272)
				*	*	*	*	*

Note: \* Difference between Yes and No  $p < 0.05$ .

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