Noise in Europe

2017 overview of policy-related data



Photo: © Matthias Hintzsche

Czech Republic





European Environment Agency

The Environmental Noise Directive (END) requires EU member states to assess exposure to noise from key transport and industrial sources with two initial reporting phases: 2007 and 2012. Where the recommended thresholds for day and night indicators are exceeded, action plans are to be implemented. This country fiche presents data related to END assessments as reported to EEA by 31st March 2016 for the two key END indicators: L_{den} (day evening and night exposure) and L_{night} (night time exposure). 2012 strategic noise maps reported are presented, as well as HIA calculations for annoyance and sleep disturbance, hospital admissions and mortality. Trends are presented as the change in exposure from 2007 to 2012, for comparable sources only.

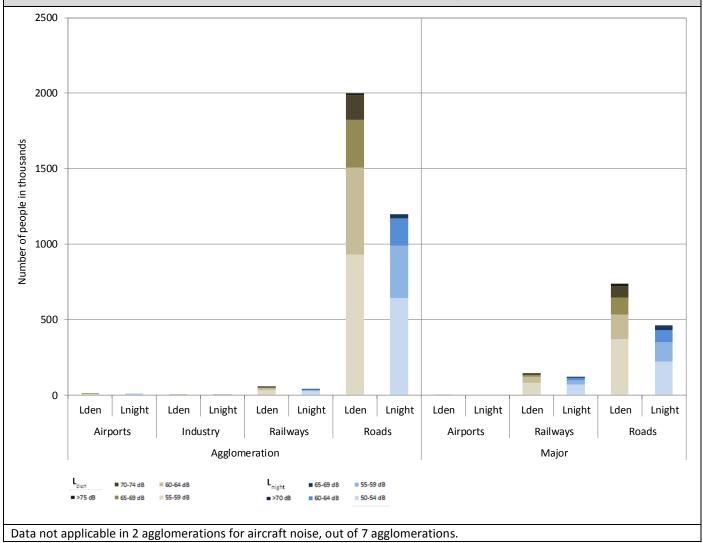


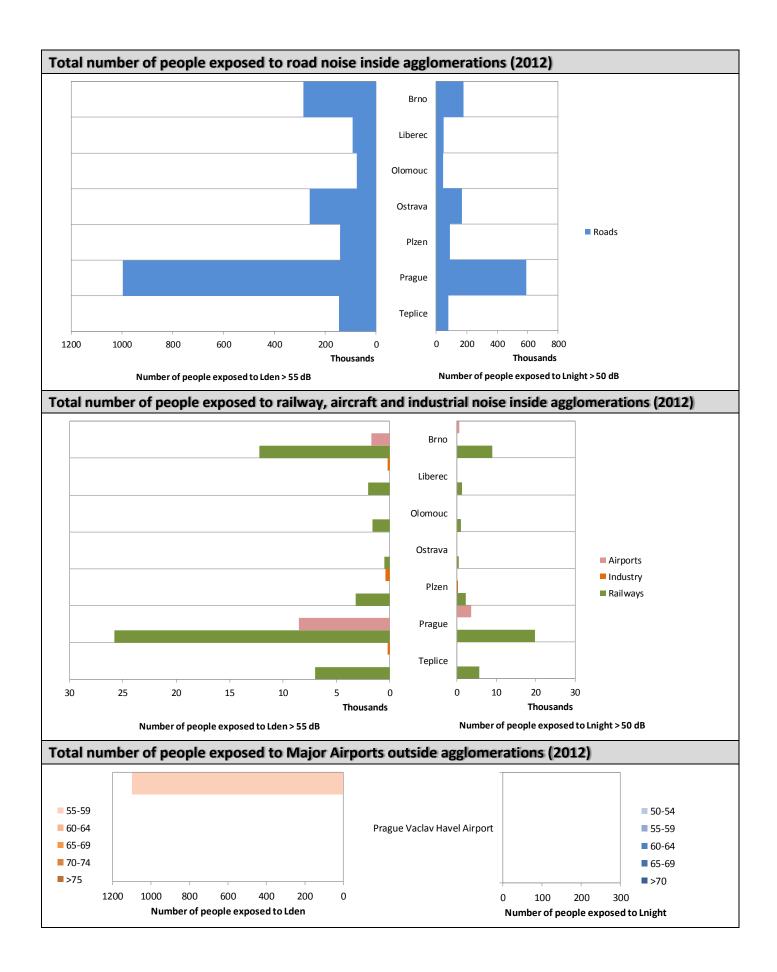
CZECH REPUBLIC

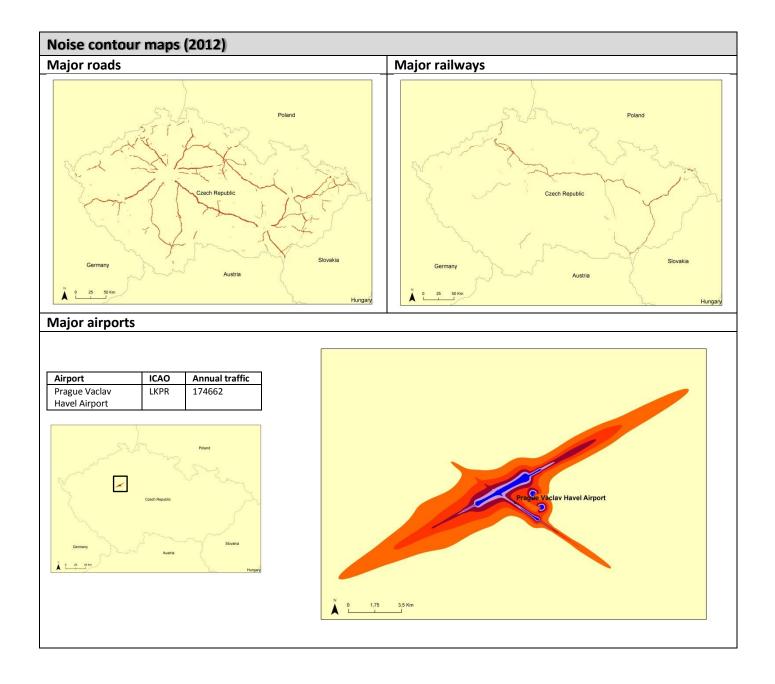
Noise sources covered by this assessment

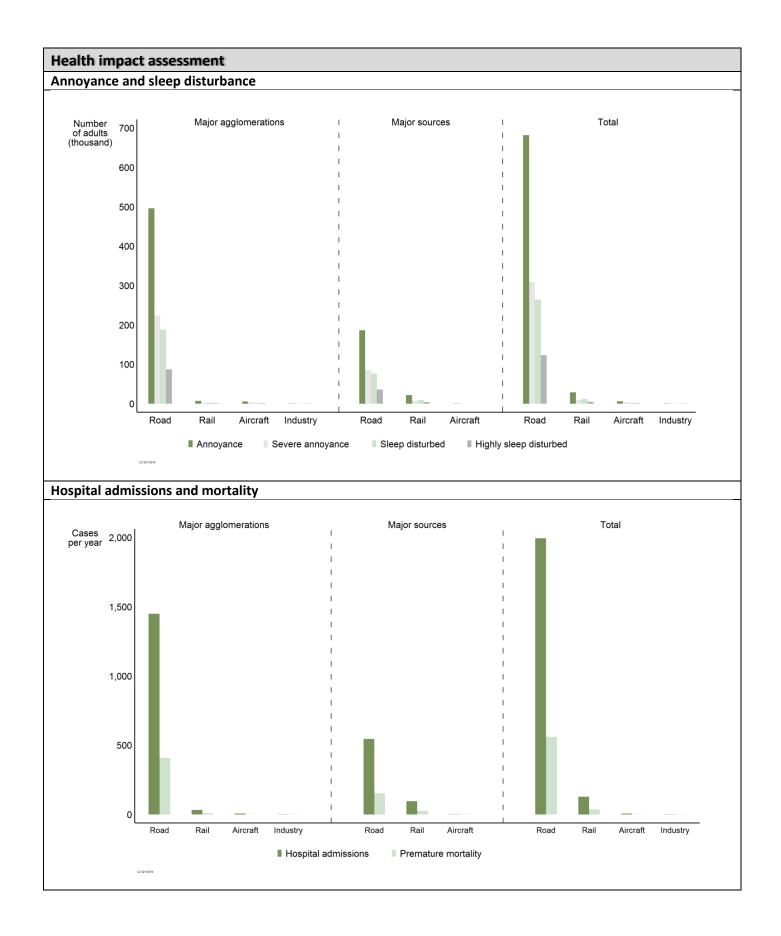
Agglomerations > 100.000 inhabitants	Brno, Liberec, Olomouc, Ostrava, Plzen, Prague, Teplice
	7 agglomerations in total, covering 2.780.456 inhabitants
Major airports	Prague Vaclav Havel Airport
> 50.000 movements per year	
	1 major airports in total
Major roads	
> 3 million vehicles per year	3521 km in total
Major railways	
> 30.000 train passages per year	1202 km in total

Number of people exposed to different noise bands per L_{den} and L_{night} (2012)









Trends on noise exposure 2007 - 2012

Trends on noise exposure are shown only in those cases where data is available for both implementation rounds:

- For major airports: total number of people exposed to more than 55 dB Lden and to more than 50 dB Lnight outside agglomerations.
- For agglomerations: percentage of population exposed to more than 55 dB Lden and to more than 50 dB Lnight due to different noise sources.

					Lo	en	L _{night}				
					st Round	Second Round	First Rour	nd Second R	lound		
		Prague Vaclav Havel Airport		el	5500	1100	1900	0			
Agglomerat	ions:										
Air L _{den}		den	l	-night	Railway	L _{den}			L _{night}		
(values in %)		First Round	Second Round	First Round	Second Round	(values in %)	First Round	Second Round	Firs Rour	t	Second Round
Brno		0	0	0	0	Brno	14	3	10		2
Prague		0	1	0	0	Ostrava (*)	2	0	1		0
0						Prague	14	2	11		2
		L _{den}		Lr	iøht	Prague		2			
Industry (values in %)	First		econd	L _r First Round	^{ight} Second Round		L	2 -den Second	Firs	L _n	_{ight} Second
Industry		Se		First	Second	Prague Road	L	2 -den	11	L _n t	ight
Industry (values in %)	Round	Se	ound	First Round	Second Round	Prague Road (values in %)	L First Round	2 -den Second Round	Firs Rour	L _n t	^{ight} Second Round
Industry (values in %) Brno	Round 0	Se	ound	First Round O	Second Round O	Prague Road (values in %) Brno	L First Round 67	2 -den Second Round 70	Firs Rour 42	L _n t nd	^{ight} Second Round 44

maps/data/data-on-noise-exposure-2