# Noise in Europe

2017 overview of policy-related data



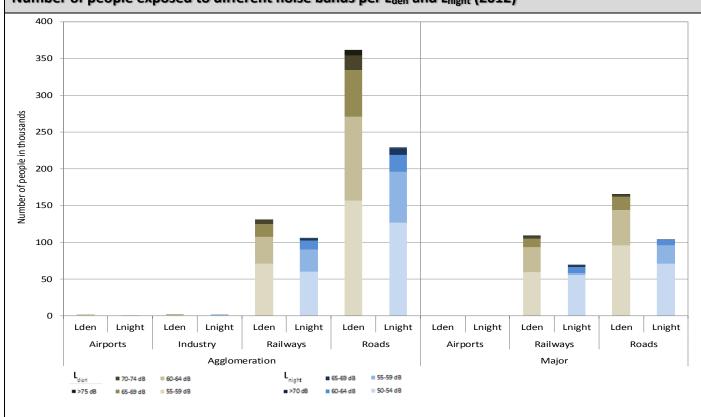
The Environmental Noise Directive (END) requires EU member states to assess exposure to noise from key transport and industrial sources with two initial reporting phases: 2007 and 2012. Where the recommended thresholds for day and night indicators are exceeded, action plans are to be implemented. This country fiche presents data related to END assessments as reported to EEA by 15<sup>th</sup> April 2016 for the two key END indicators: L<sub>den</sub> (day evening and night exposure) and L<sub>night</sub> (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.

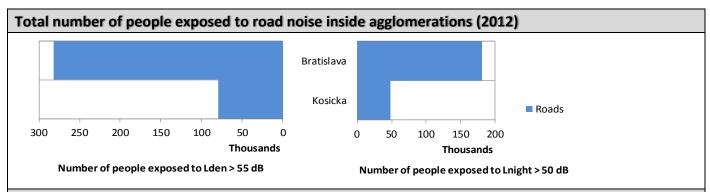


## **SLOVAKIA**

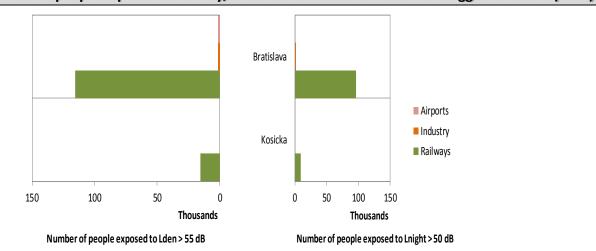
Noise sources covered by this assessment			
Agglomerations > 100.000 inhabitants	Bratislava, Kosicka		
	2 agglomerations in total, covering 754.315 inhabitants		
Major airports > 50.000 movements per year	No Major Airports > 50 000 mov/year		
Major roads > 3 million vehicles per year	1595 km in total		
Major railways > 30.000 train passages per year	731 km in total		

### Number of people exposed to different noise bands per Lden and Lnight (2012)





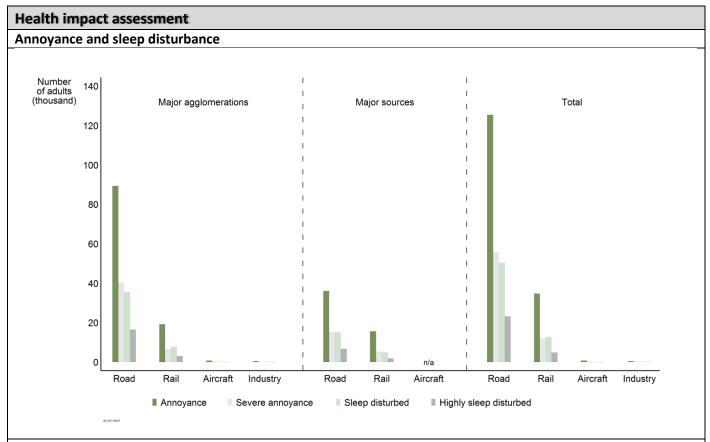
#### Total number of people exposed to railway, aircraft and industrial noise inside agglomerations (2012)



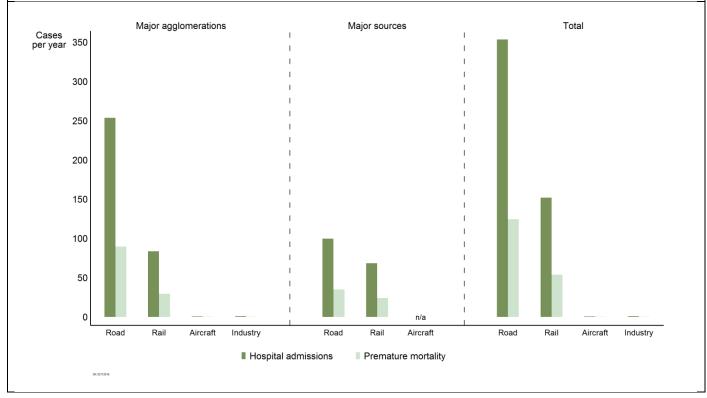
#### Total number of people exposed to Major Airports outside agglomerations (2012)

No Major Airports > 50 000 mov/year

Noise contour maps (2012)				
Major roads	Major railways			
No contour maps delivered in spatial format	No contour maps delivered in spatial format			
Major airports				
No Major Airports > 50 000 mov/year				







#### 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.

#### **Major airports:**

	L <sub>den</sub>		$L_{night}$	
	First Round	Second Round	First Round	Second Round
No Major Airports > 50 000 mov/year				

#### **Agglomerations:**

Air	L <sub>den</sub>		Ln	ight
(values in %)	First	Second	First	Second
(values III 76)	Round	Round	Round	Round
Bratislava	0	0	0	0

Railway	$L_{den}$		L,	night
(values in	First	Second	First	Second
%)	Round	Round	Round	Round
Bratislava	42	22	36	18

Industry	L <sub>den</sub>		$L_{night}$	
(values in	First	Second	First	Second
%)	Round	Round	Round	Round
Bratislava	0.30	0.30	0.17	0.25

No change

	Round	Round	Round	Round
3	0.30	0.30	0.17	0.25
		Decrease in popula	tion exposed	

Increase in population exposed

Road	$L_{den}$		Lr	$L_{night}$	
(values in	First	Second	First	Second	
%)	Round	Round	Round	Round	
Bratislava	100	53	85	34	

For further information about environmental noise in Europe please consult <a href="http://www.eea.europa.eu/themes/human/noise">http://www.eea.europa.eu/themes/human/noise</a> or visit the Noise Observation & Information Service for Europe at <a href="http://noise.eionet.europa.eu/">http://noise.eionet.europa.eu/</a> and EEA Data Service <a href="http://www.eea.europa.eu/data-and-maps/data/data-on-noise-exposure-2">http://www.eea.europa.eu/data-and-maps/data/data-on-noise-exposure-2</a>.