Noise in Europe

2017 overview of policy-related data



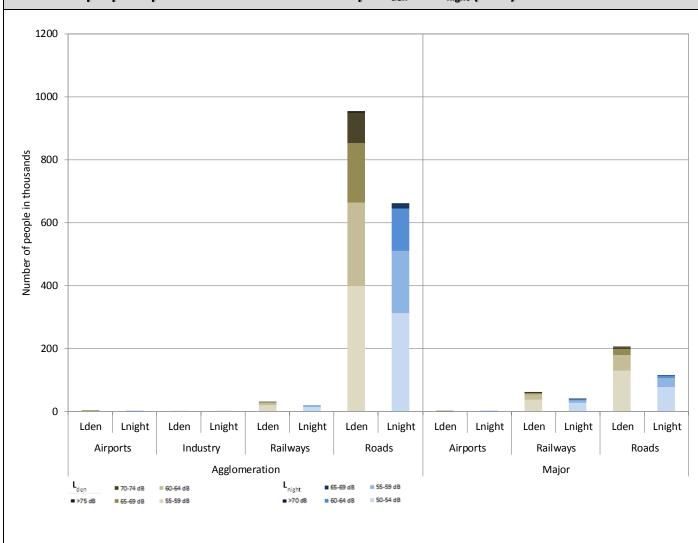
The Environmental Noise Directive (END) requires EU member states to assess exposure to noise from key transport and industrial sources with two initial reporting phases: 2007 and 2012. Where the recommended thresholds for day and night indicators are exceeded, action plans are to be implemented. This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

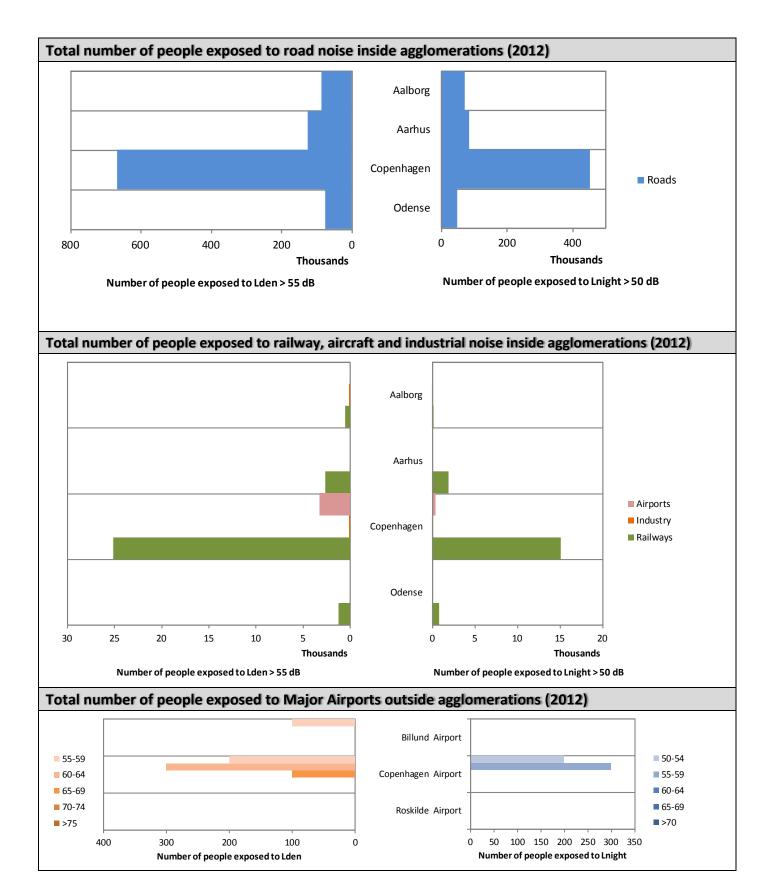


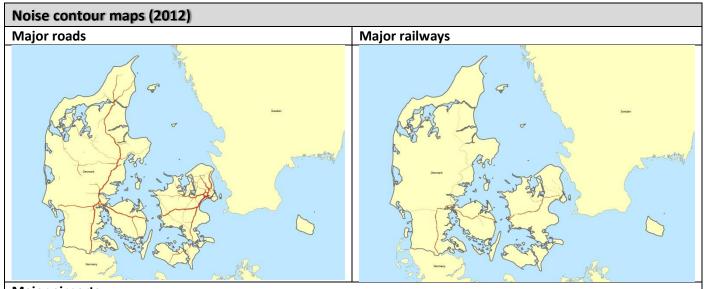
DENMARK

Noise sources covered by this assessment					
Agglomerations > 100.000 inhabitants	Aalborg, Aarhus, Copenhagen, Odense 4 agglomerations in total, covering 1.684.000 inhabitants				
Major airports > 50.000 movements per year	Billund Airport, Copenhagen Airport, Roskilde Airport 3 major airports in total				
Major roads > 3 million vehicles per year	1043 km in total (length includes only major roads > 6 million vehicles/year)				
Major railways > 30.000 train passages per year	894 km in total				

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







Major airports

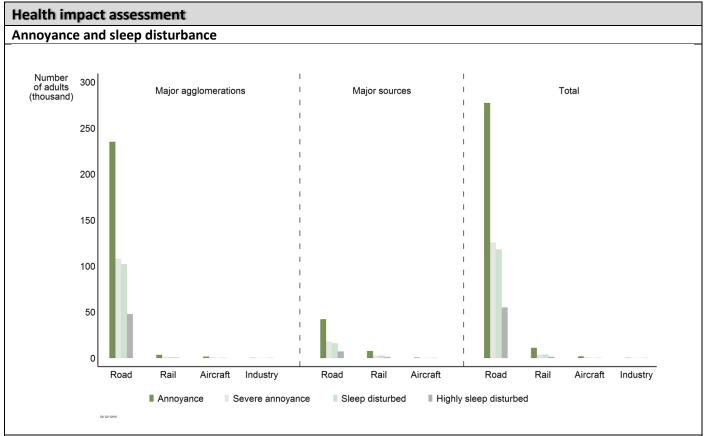
Airport	ICAO	Annual traffic
Billund Airport	EKBI	57225
Copenhagen Airport	EKCH	258356
Roskilde Airport	EKRK	68217



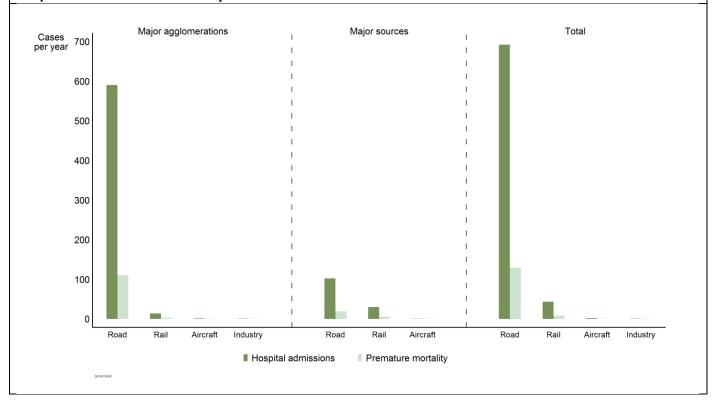












Trends on noise exposure 2007 - 2012

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_{den}		I	L_{night}	
	First Round	Second Round	First Round	Second Round	
Billund Airport	100	100	0	0	
Roskilde Airport	100	0	0	0	
Copenhagen Airport	600	600	500	500	

Railway

Agglomerations:

Air	L	den		L_{night}
(values in %)	First	Second	First	Second
(values III 70)	Round	Round	Round	d Round
Copenhagen	0	0	0	0

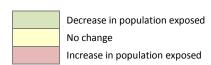
(values in %)	First Round	Second Round	First Round	Second Round
Copenhagen	2.8	2.2	1.8	1.3

 L_{night}

 L_{den}

Industry	L	-den	L_{night}		
(values in %)	First	Second	First	Second	
	Round	Round	Round	Round	
Copenhagen	0	0	0	0	

Road	L _{den}		L_{den} L_{night}		night
(values in %)	First	Second	First	Second	
	Round	Round	Round	Round	
Copenhagen	59	57	46	39	



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