Creating Healthy Cities: the role of transport

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Belfast Healthy Cities

Partnership HSC Belfast Health and Social Care Trust





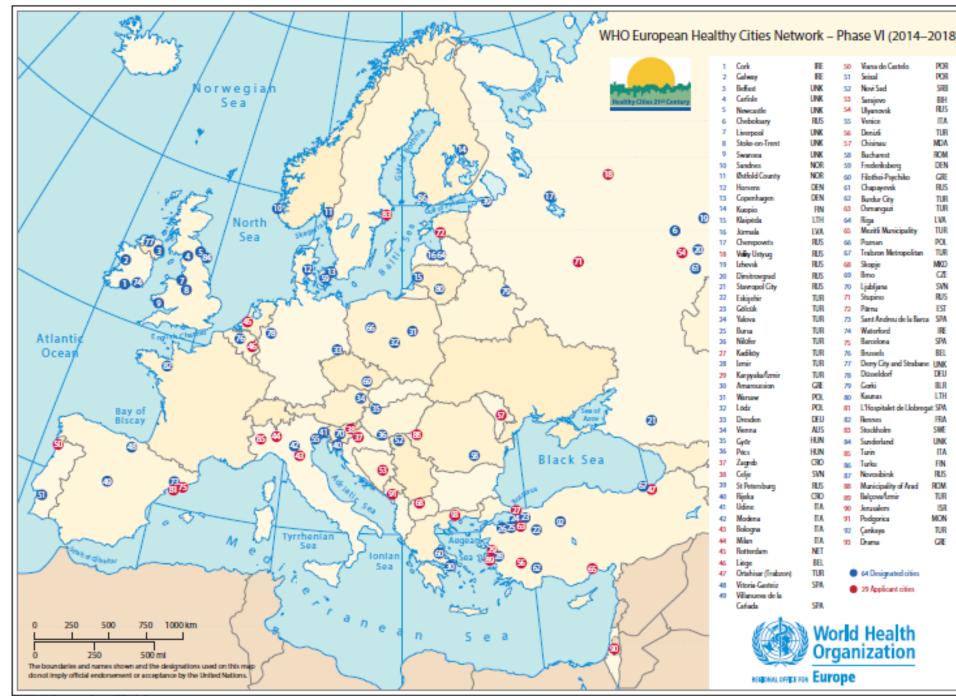


Our Vision is to be a leader in creating a healthy and equitable city









"Traffic will be to 21st century public health what sewage was to 19th century public health"

Scrofula Diphtheria Cholera Typhoid Dysentery 1858

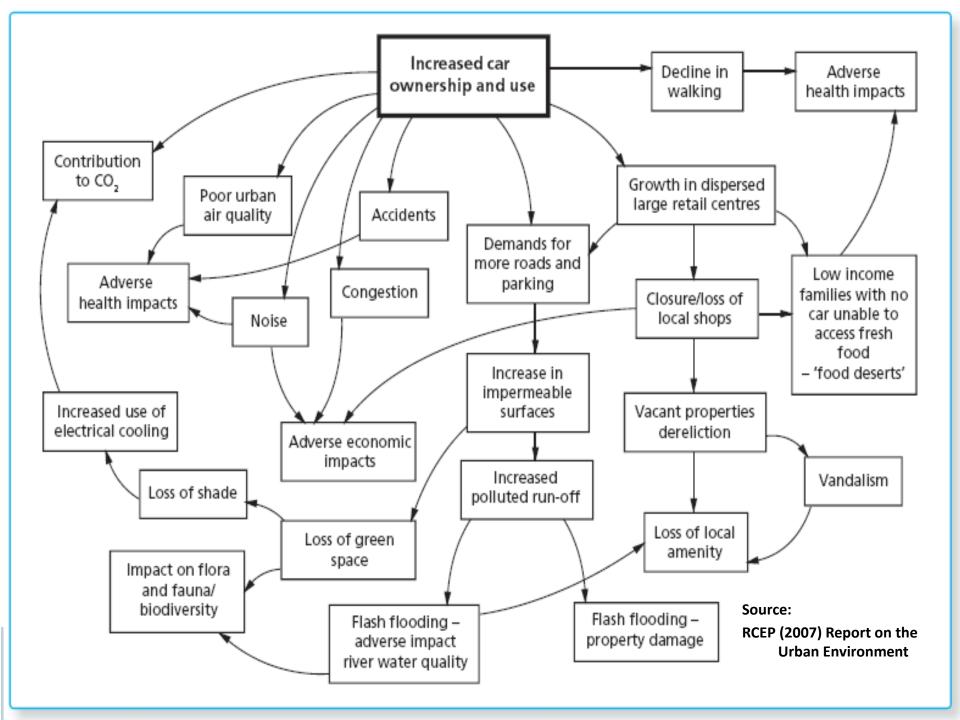
Stress & mental health Obesity

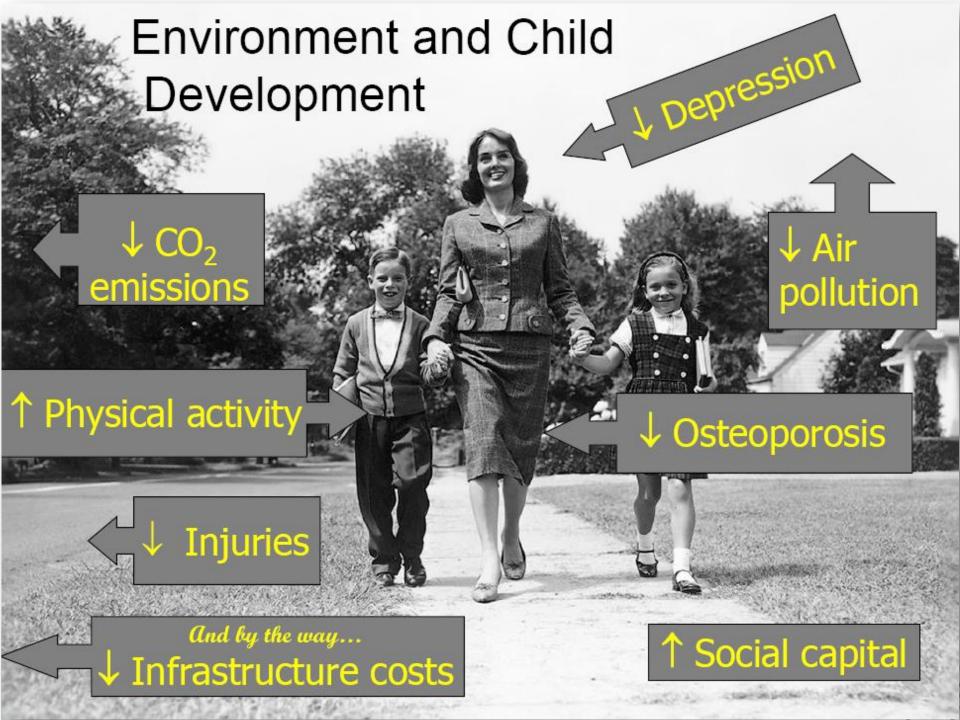
Asthma

2016

Heart disease







The boundaries and names shown and the designations used on this map do not imply the expression of any opinion whatsoever on the part of the World Health Organization concerning the legal status of any country, territory, city or area or of its authorities, or concerning the delimitation of its frontiers or boundaries. Dotted and dashed lines on maps represent approximate border lines for which there may not yet be full agreement.

1000km

-i- 50.161 -24.962 Degrees

Health impact of air pollution

Table 2. GBD results for outdoor air pollution for the UK^{13}

	DALYs	Deaths	%
Ambient PM pollution			
Cerebrovascular disease	73,061	5,448	20 %
COPD	27,558	1,681	8%
Ischaemic heart disease	220,643	13,907	61 %
Lower respiratory infections	815	9	0%
Trachea, bronchus and lung cancers	38,623	2,328	11 %
Total (all causes)	360,700	23,373	100%
Ozone			
Total (all COPD)	8,865	772	100%

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Healthy City



Benefits of transport

Walkable neighbourhoods encourage social interaction and can contribute to community cohesion and even safety

Free play and mobility in safe spaces supports children's physical, mental and social development

Active travel is an effective way to tackle obesity

Good public transport and active travel infrastructure improves access to jobs and services, especially for low income groups







Walkability Assessment for Healthy Ageing

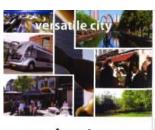












centre and center ring road

attractive, dynamic and healthy centre

neighbourhoods and radial roads

relieving old radial roads, intensifying use of modern radials

neighbourhoods and inner ring road

ring road as recognizable central distributor road in car accessibility of the city

region and outer ring road

links the city to national and international networks



pedestrian

pedestrian on site most important fine-grained network of streets and pavements, combined with variously arranged squares

pedestrian on site most important, development of new routes in favour of new dynamics

limit barrier effect inner ring road, particularly on old radial roads campuses are the new villages

link pedestrian network to recreational routes



cyclist

most important traffic participant in linking places centre ring road most important connecting cycle route in city centre

sufficient cycle parking, well integrated in public space fast cycling routes by means of historic radial roads as contribution to neighbourhood lifeline fast radial cycling routes as contribution to city life

maintain and improve cycle crossing of the inner ring road

fast cycling route Brainport Avenue

fast cycling routes to surrounding municipalities



public transport user

fast, high-frequency, comfortable and reliable travel on longer distances for larger passenger flows BRT two-directional along centre ring road

central bus station Neckerspoel/railway station as transport hub and entry to city BRT corridors as carrier for urban development

customised public transport for target groups and areas

BRT corridors connect 'places to be'

if possible BRT grade-separated crossing with inner ring road

sustainable landside access to Eindhoven Airport

adjusted public transport networks with seamless transfers

direct connection to (inter)national network of high speed trains



motorist

raised-awareness users: less often, cleaner, main roads, parking at remote distance/incentive parking centre ring road no longer a continuous circular vehicle route

no expansion visitor parking in city centre within the inner ring road 30 km/h and cyclist priority on roads with the exception of modern and new radial roads less and/or easier junctions with inner ring road

fourth category in road's classification: neighbourhood access roads optimise national and international road network, taking city accessibility into consideration





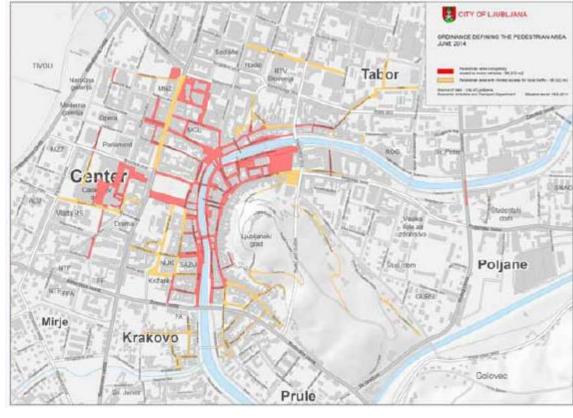




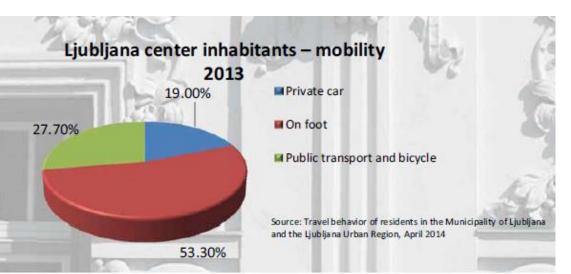














"Copenhagenization"

"Copenhagen lane"

Traffic calming experiment at the high street Nørrebrogade in Copenhagen inspired NY to traffic calm Broadway at Times Square



Thank you

Further information

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