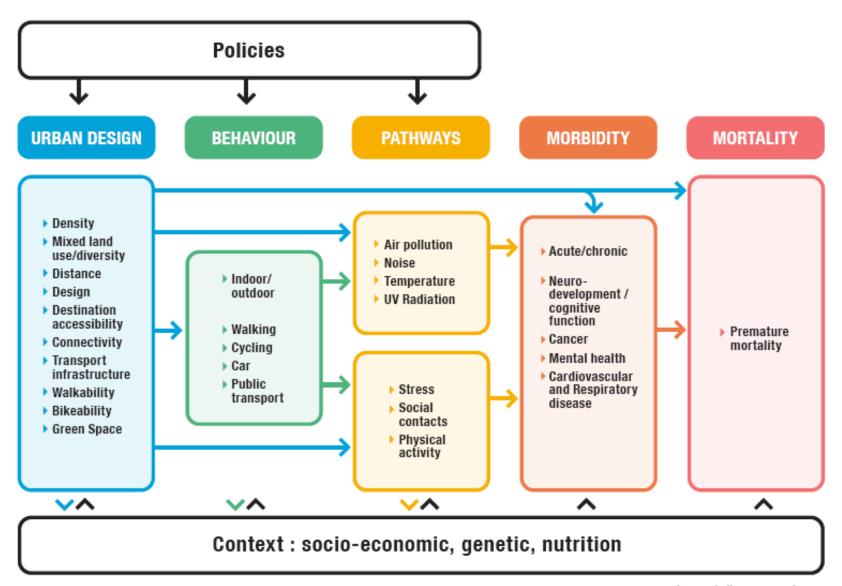






ISGIobal Barcelona Institute for 2904 premature deaths (20%) annually in Global Health Barcelona due to suboptimal urban and transport planning
Mueller et al EHP 2017; 125: 89-96







The Rue de Rivoli, a central route in Paris, will be devoted mostly to bike and pedestrian traffic after lockdown is lifted. // Cyril Marcilhacy/Bloomberg

Paris Has a Plan to Keep Cars Out After Lockdown

FEARGUS O'SULLIVAN APRIL 29, 2020

Coronavirus

Friday 15 May 2020

London / Large areas of city to be made car-free as lockdown eased



Live

UK coronavirus: Welsh schools will not open until September; 'stay home' advice remains

TfL faces £3bn funding gap despite £1.6bn bailout

Prolonged school closures risk damaging children's education, No 10 warns









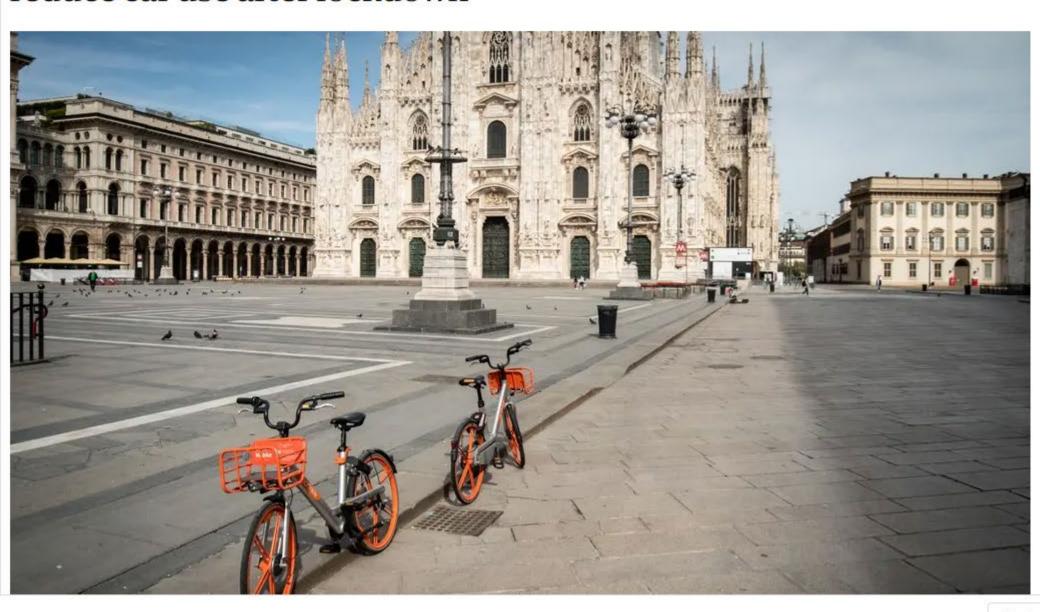






Guarman

Milan announces ambitious scheme to reduce car use after lockdown

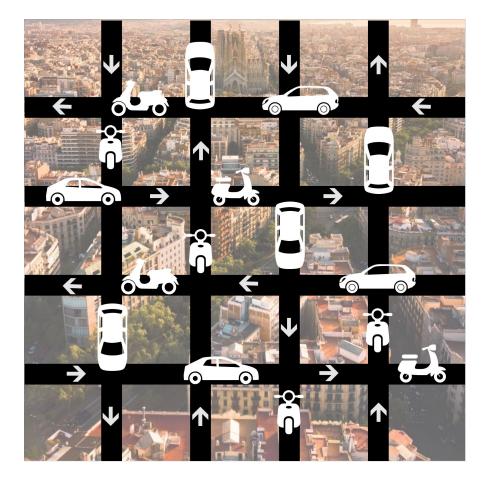


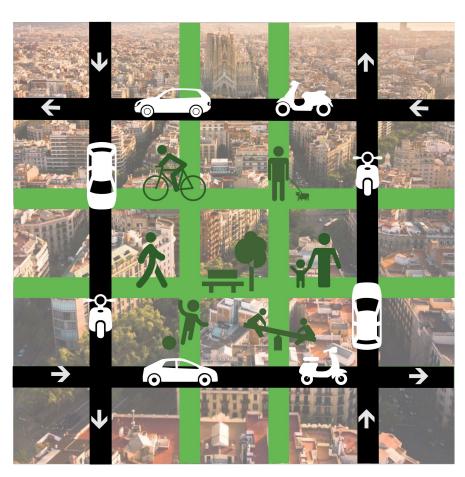
SOLUTIONS

- Land use changes
- Reduce car dependency
- Move towards public and active transportation
- Greening cities



BARCELONA SUPER BLOCK MODEL





Baseline situation

Superblocks model

Can prevent 667 premature deaths annually





Barcelona Superblock San Antoni

Before

After



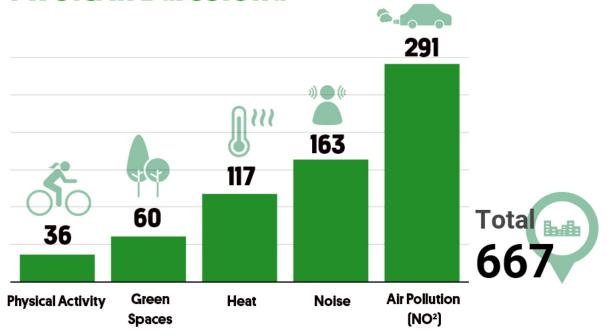


BARCELONA SUPER BLOCKS

- 19.2% car reduction
- 11.5 ug/m3 (24.3%) NO2 reduction
- 2.9 dB noise reduction
- 3 fold increase green space (6.5% to 19.6%)
- 20% Surface temperature reduction



Annual Premature Deaths that the "Superblocks" Model Could Avoid in Barcelona



Source: Mueller et all. Changing the urban design of cities for health: the Superblock model. *Environment International*. 2019





CITYLAB

Paris Mayor: It's Time for a '15-Minute City'

In her re-election campaign, Mayor Anne Hidalgo says that every Paris resident should be able to meet their essential needs within a short walk or bike ride.

By Feargus O'Sullivan

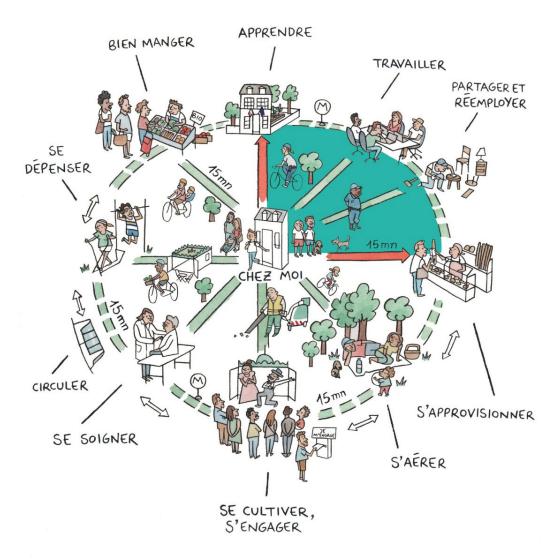
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LE PARIS DU 1/4 HEURE

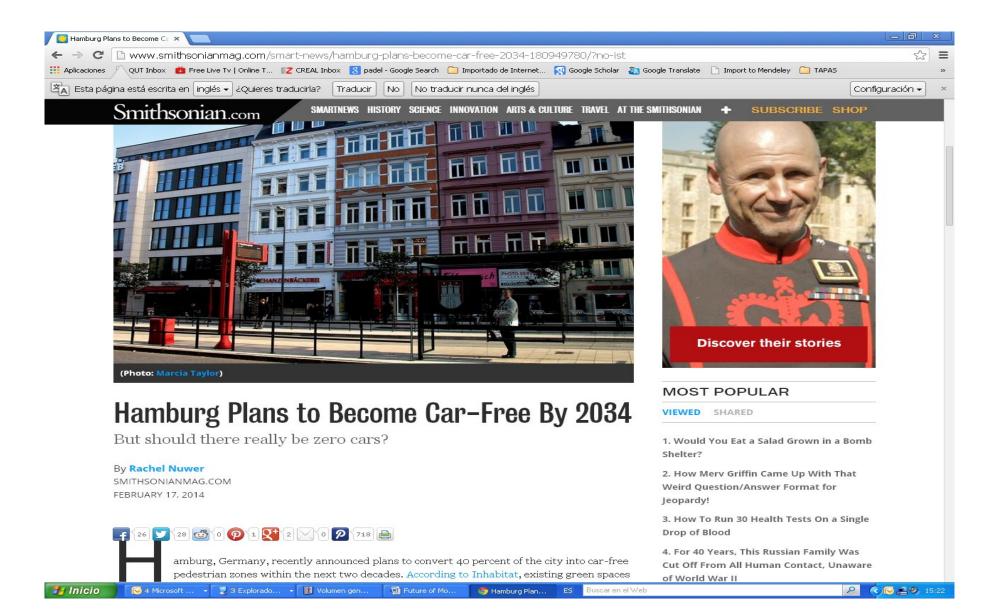




15 minute City Paris









Contents lists available at ScienceDirect

Environment International





Review article

Car free cities: Pathway to healthy urban living



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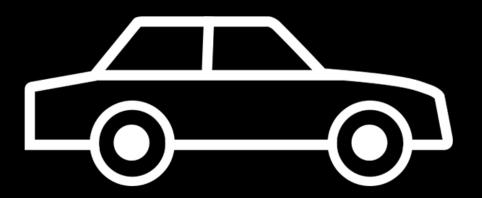
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Background: Many cities across the world are beginning to shift their mobility solution away from the private cars and towards more environmentally friendly and citizen-focused means. Hamburg, Oslo, Helsinki, and Madrid have recently announced their plans to become (partly) private car free cities. Other cities like Paris, Milan, Chengdu, Masdar, Dublin, Brussels, Copenhagen, Bogota, and Hyderabad have measures that aim at reducing mo-







THIS ONE
RUNS ON MONEY
AND MAKES
YOU FAT



THIS ONE
RUNS ON FAT
AND SAVES
YOU MONEY





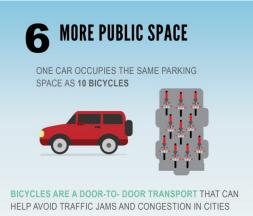


A 40% SHIFT FROM CAR TRIPS TO CYCLING IN BARCELONA'S METROPOLITAN AREA

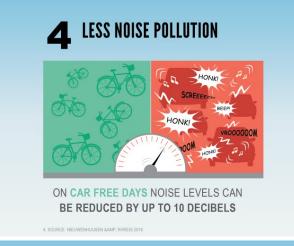


COULD AVOID AT LEAST 28 PREMATURE DEATHS A YEAR DUE TO REDUCED AIR POLLUTION

3 SOURCE ROJAS-RUEDA ET AL. 2012 ENVIRON, INT. 49:100-109









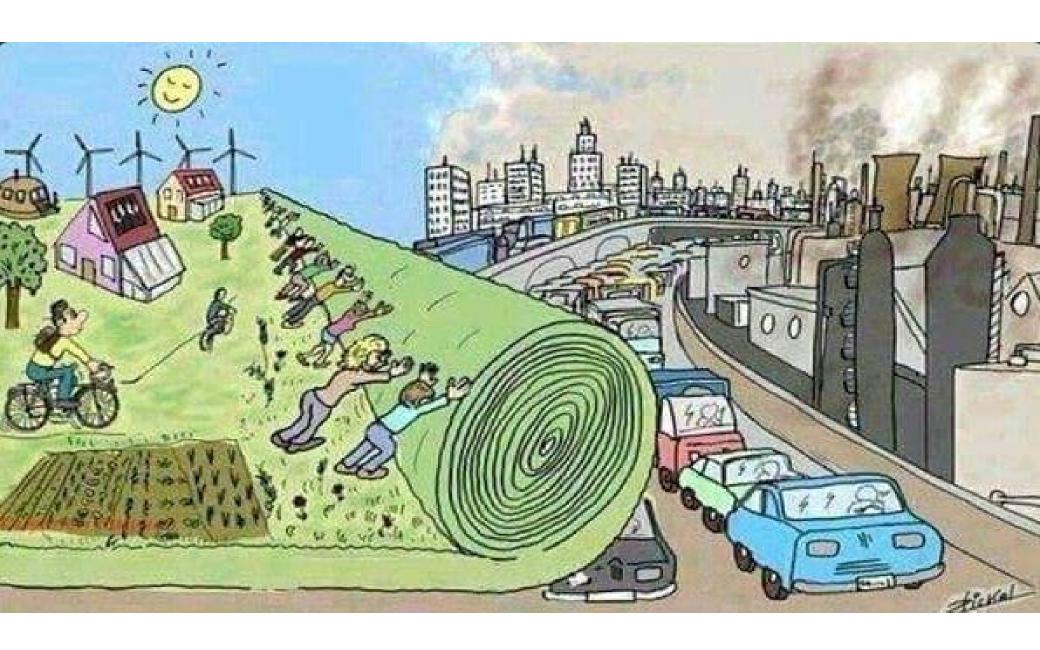




Benefits of physical activity well outweight the risks of air pollution and accidents for cyclists







GREEN AND LIVEABLE

- Greening cities has many health benefits including longer life expectancy, fewer mental health problems, better cognitive function, better mood and healthier babies
- It mitigates air pollution, heat and noise levels.
- CO2 sequestration
- Replacing roads and parking with green environments can be one way forward to change an environment from detrimental to beneficial.





Greening cities

Seoul, Korea



ALDERHEY HOSPITAL LIVERPOOL BEFORE AND AFTER











Multisectorial approach

Multi sectorial and systemic approaches are needed to address current problems and find solutions





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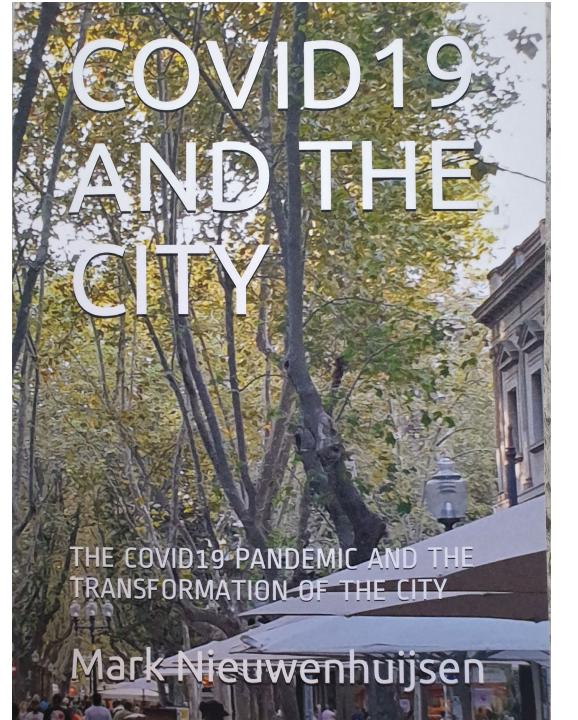
Urban and transport planning pathways to carbon neutral, liveable and healthy cities; A review of the current evidence

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