

Cities and Pandemics: Can We Virus-Proof Cities?

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INTRODUCTION

Scope

Key findings

CITIES AND COVID-19

COVID-19 will make some permanent changes to city life Cities have been subject to improving health for centuries

VIRUS PROOFING CITIES: URBAN MOBILITY

Urban mobility: more personal, low density and sustainable mobility

VIRUS PROOFING CITIES: URBAN MOBILITY

More cycling and less public transport use

Wheels' self-cleaning technologies can reduce viral transmission

VIRUS PROOFING CITIES: URBAN DESIGN

Urban design: striking the balance between density and open space Singapore's therapeutic parks increase available open spaces More pedestrian and cycleways in car-centric Milan

VIRUS PROOFING CITIES: URBAN BUILDINGS

Urban buildings: more health monitoring at points of entry
Thermal detection cameras in Abu Dhabi
Pop-up Nightingale Hospital shows the importance of flexibility

VIRUS PROOFING CITIES: URBAN INDEPENDENCE

Urban independence: goods produced closer to the consumer Local vertical farming firm reports growth for local produce New York becomes self-sufficient in producing face shields

LONG-TERM IMPACT ON CITIES

Future urban logistics turning to autonomous deliveries

Smart cities to become more relevant as a tool in fighting pandemics

Remote working may prompt de-urbanisation

More cities to follow the "doughnut" model of economics

Business takeaways

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