



Where we are and where we are going: What network managers can do for road safety

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ADEPT

Jacobs Challenging today.
Reinventing tomorrow.

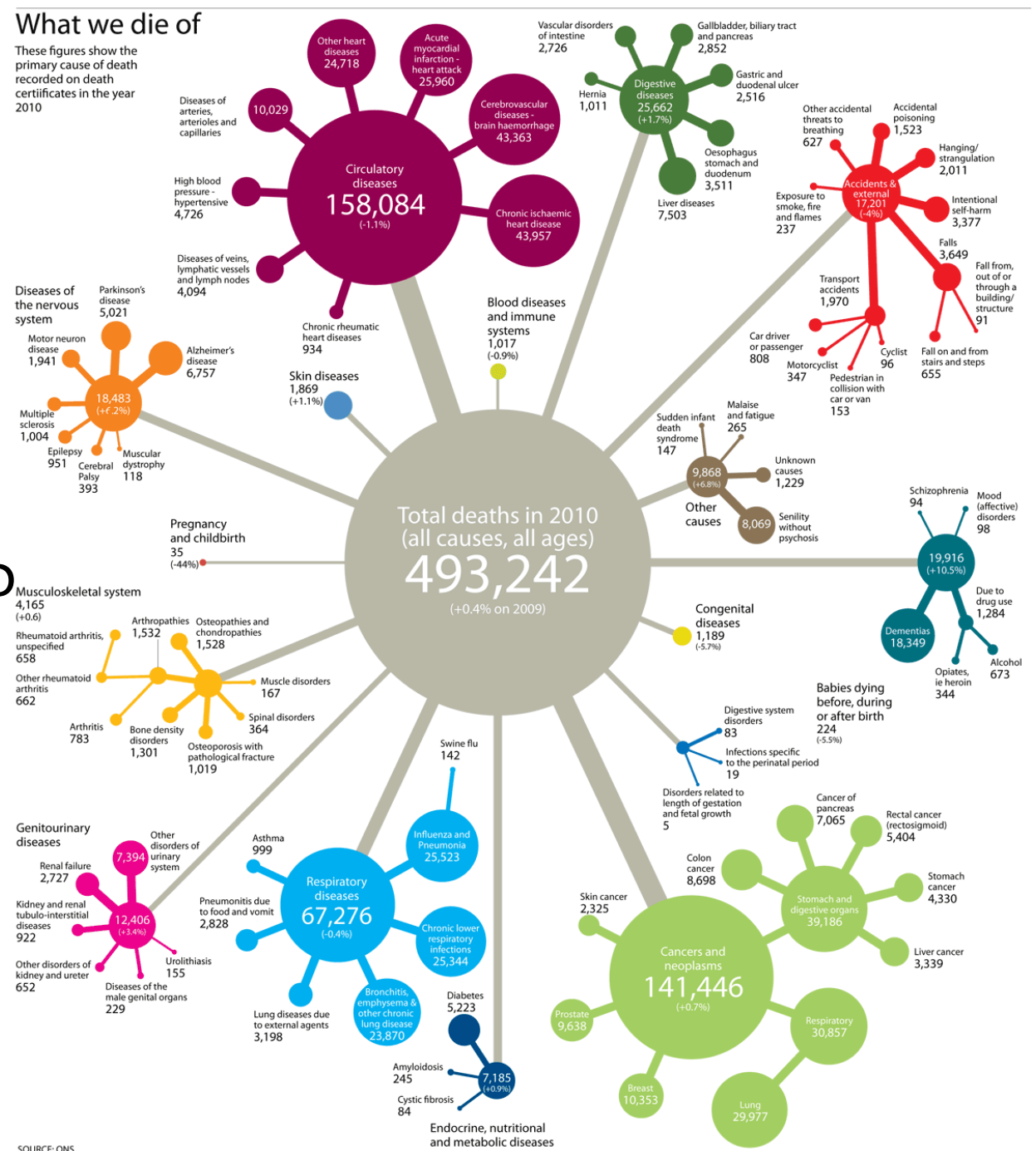
Agenda:

1. Where are we now?
2. Where are we going? (2 major changes)
3. What do you need to do?

Before we start let's take a step back:

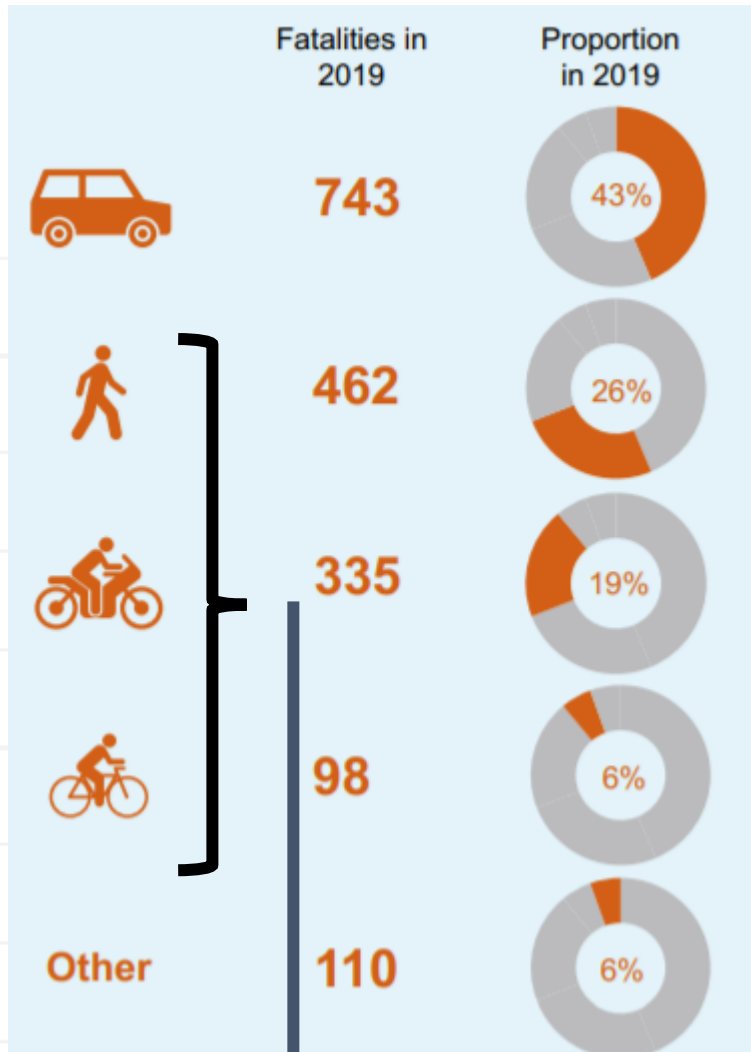
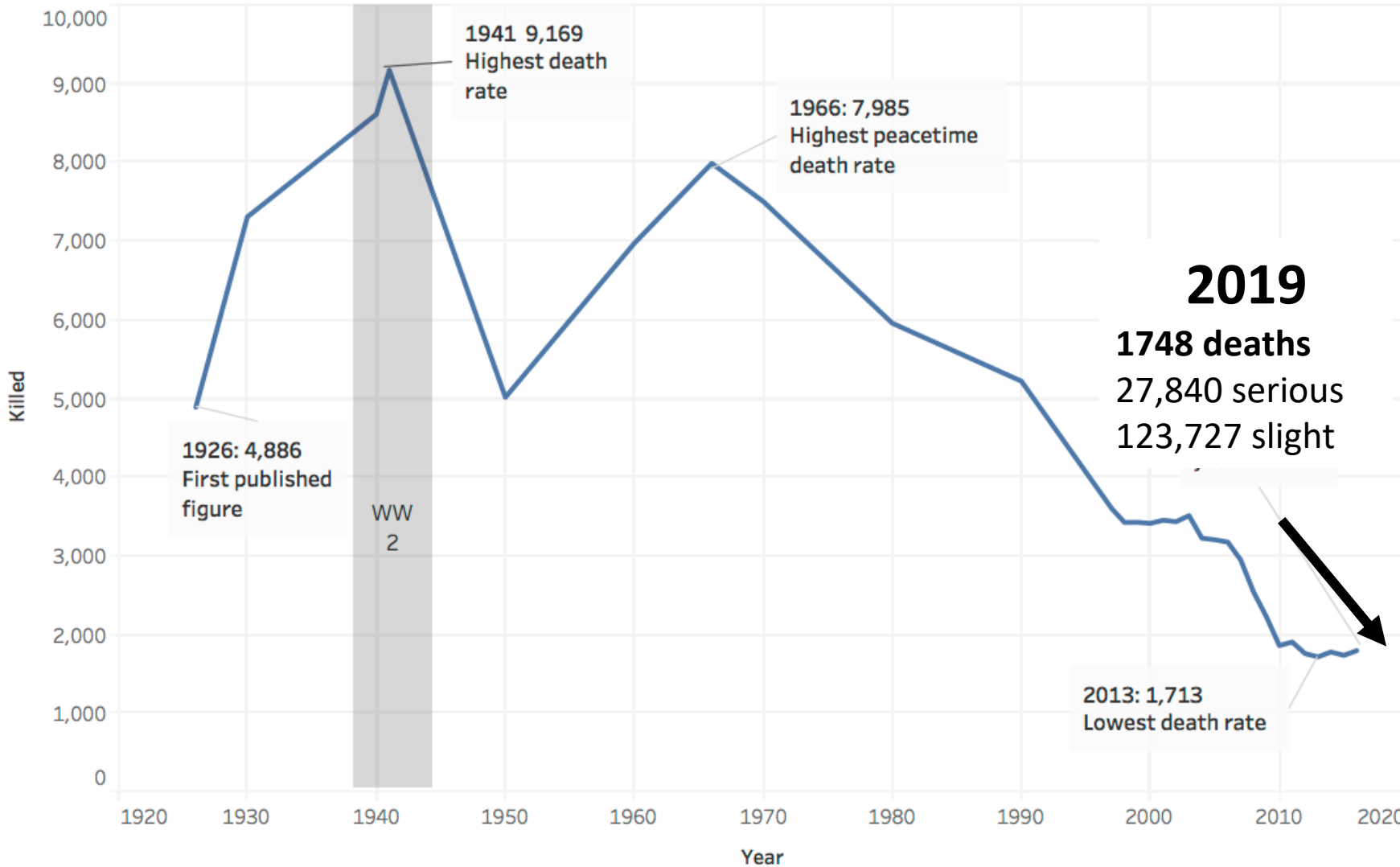


Public health context: what does good look like?



1. Where are we now?

Killed on GB roads 1926-2016



2019
1748 deaths
 27,840 serious
 123,727 slight

Pedestrian, cyclist and motorcyclist deaths (vulnerable road users) = 895 (51%)

2. Where are we going? (Part 1)

Gear Change: cultural change around active travel

- Mortality/morbidity benefits
- Local policies must reflect this; behaviours must match



Physical inactivity
is responsible for

**1 in 6
UK deaths**

Physical inactivity costs the NHS up to
£1bn per annum, with further indirect
costs calculated at **£8.2bn**

£8.2bn



Department
for Transport

**Gear
Change**

A bold vision
for cycling
and walking



What should you do? Part 1

- Apply the safe system
- Understand that design standards do not guarantee safety
- Rebalance road user hierarchy
- Create high quality protected cycle infrastructure
- Create inclusive environments for walking (including visual, mobility or neurological impairment VIP; MIP; NIP), and cycling (provide for inclusive cycling)



2. Where are we going? (Part 2)

EU vehicle safety General Safety Regulation (EC) No 661/2009

July 2022: new models

July 2024: new versions of existing models

- **Advanced automatic emergency braking**
- **Lane keeping assistance**
- **Intelligent speed assistance**
- Alcohol interlock
- Drowsiness/attention/distraction warning
- Emergency stop signal
- Reversing cameras or detectors
- Accident data recorder



What should you do? Part 2

- **Autonomous emergency braking**
 - may reduce need for high friction surface?
- **Intelligent speed assistance**
 - review speed limit policy and application?
- **Lane keeping assistance**
 - more frequent road marking refresh?
 - increase use of edge lines?



If you have been, thanks for listening!

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