

Modelling the Impact of Population Ageing on Demand for Healthcare

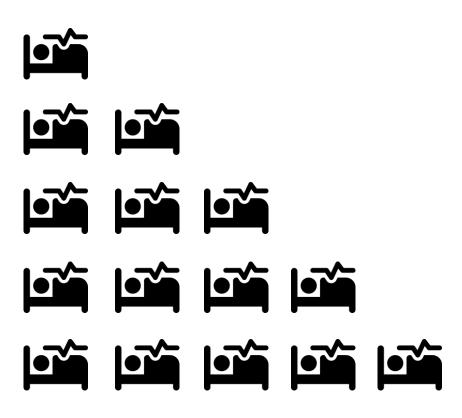
June 2024 | Midlands Analysts Huddle

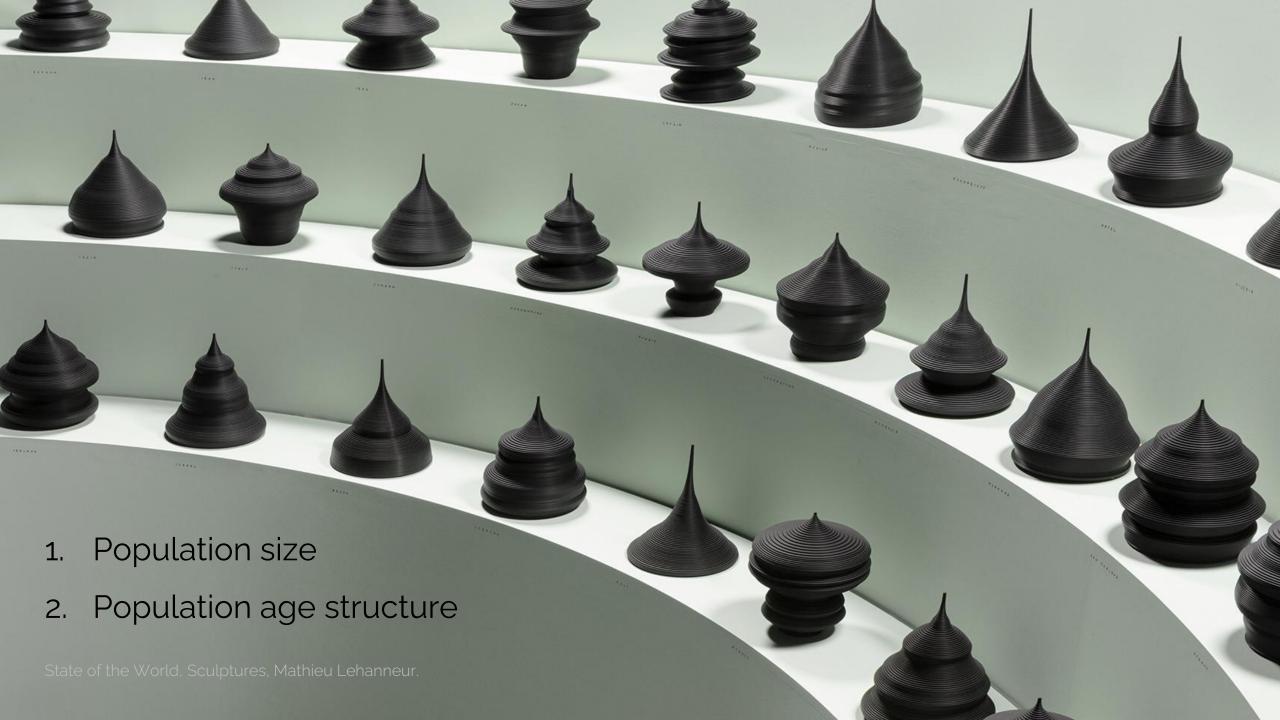
Paul Seamer





Thinking about how demographic change will affect demand is a fundamental early step in the process of scaling and designing health services





Population size Population age structure



Fixed concepts

Good data

Established methods

More consensus

Population size Population age structure

Health status



Fixed concepts

Good data

Established methods

More consensus

Abstract concept

Poor data

Novel methods

Less consensus

1. How will population health status evolve?

2. How to capture/reflect uncertainty?

3. How to incorporate health status in a model?

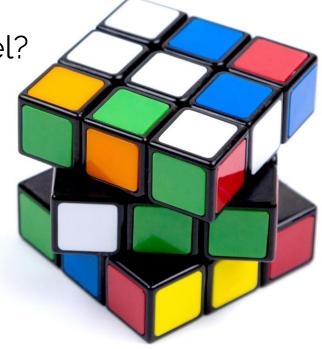
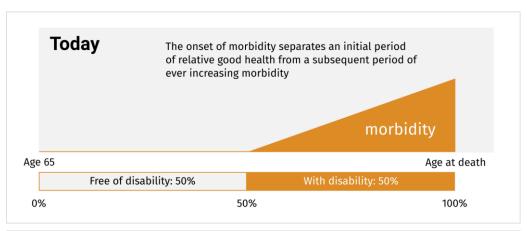
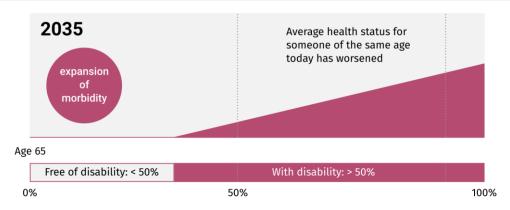
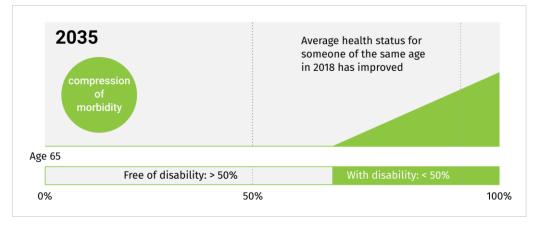


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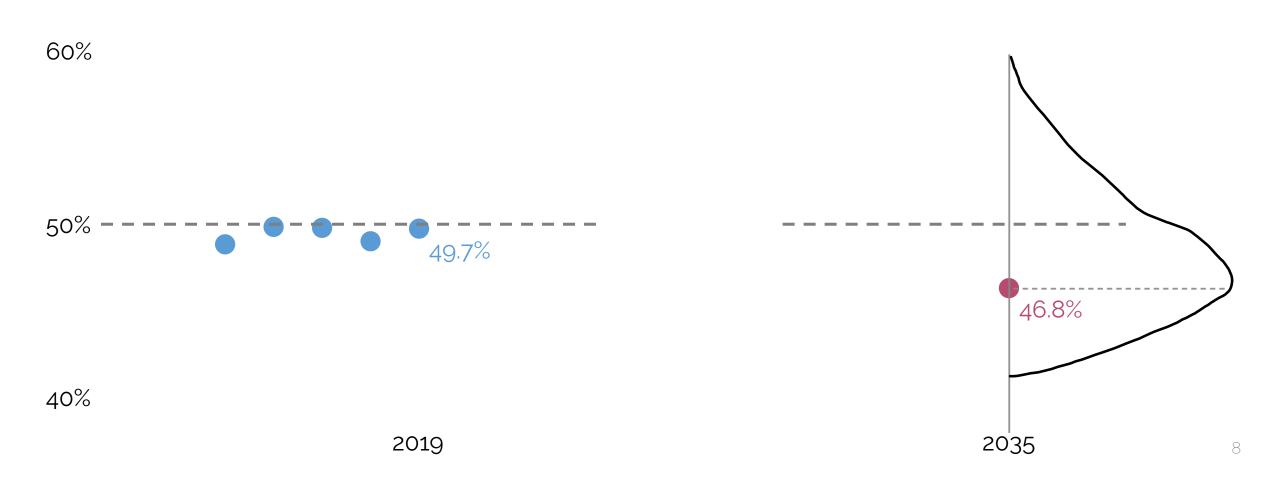






Expert Panel

For a typical female/male of age 65 years in 2035, what proportion of their remaining life expectancy will be spent free of disability (i.e., without a limiting long-standing illness)?



Objectives

Engage a wide audience

Raise awareness of an often-overlooked issue—population health status

Democratize an approach to modelling the impact of population aging

Communicate uncertainty