



Review on
Antimicrobial
Resistance

Tackling drug-resistant infections globally

Antimicrobial Resistance: an emerging global threat

Jim O'Neill
June 15, 2015

#AMR2050

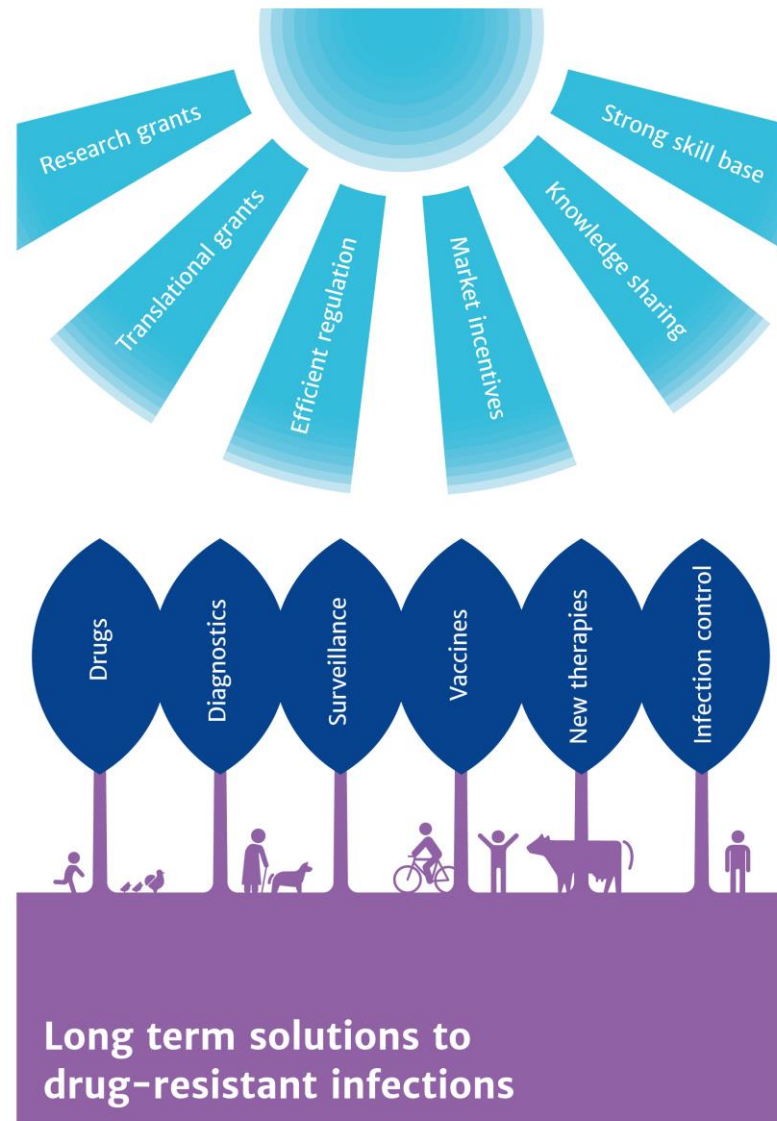
wellcome trust



HM Government

The role of the Review

- Looking at the global problems of antimicrobial resistance through the lens of economics – and development
- Recommending a package of effective, coordinated global action

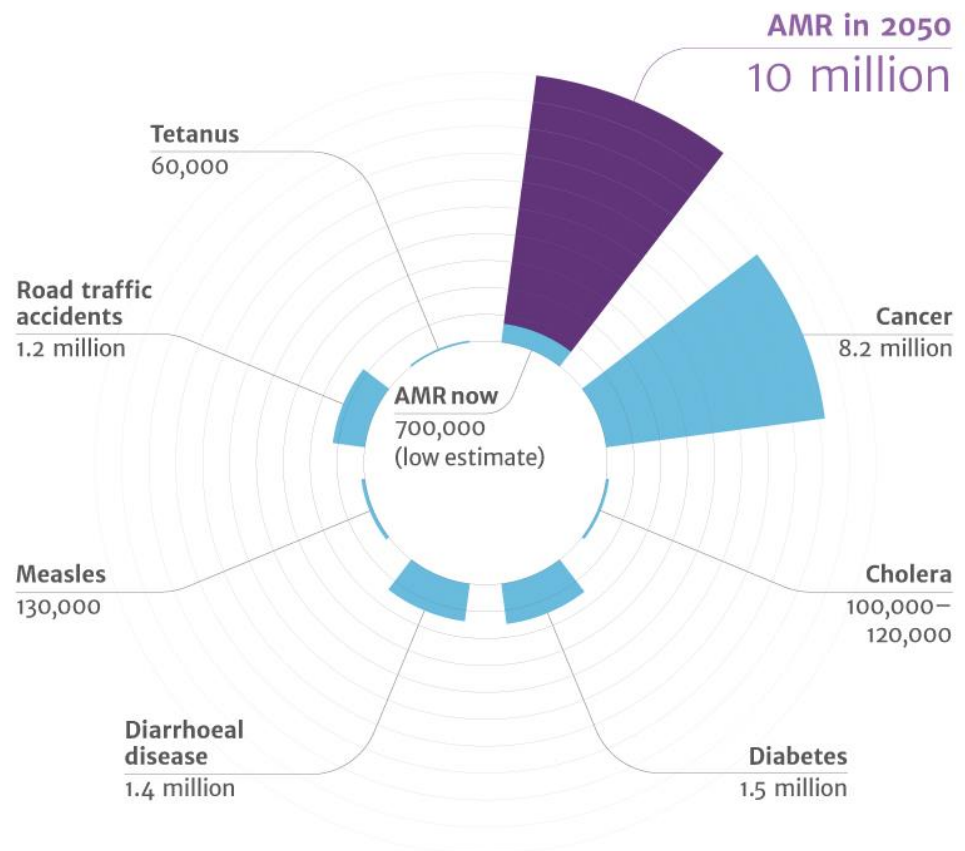


A mounting human cost...

Evidence of the true human and economic cost of antimicrobial resistance has previously been limited

We know – from partial estimates – that hundreds of thousands of people globally already die each year from AMR

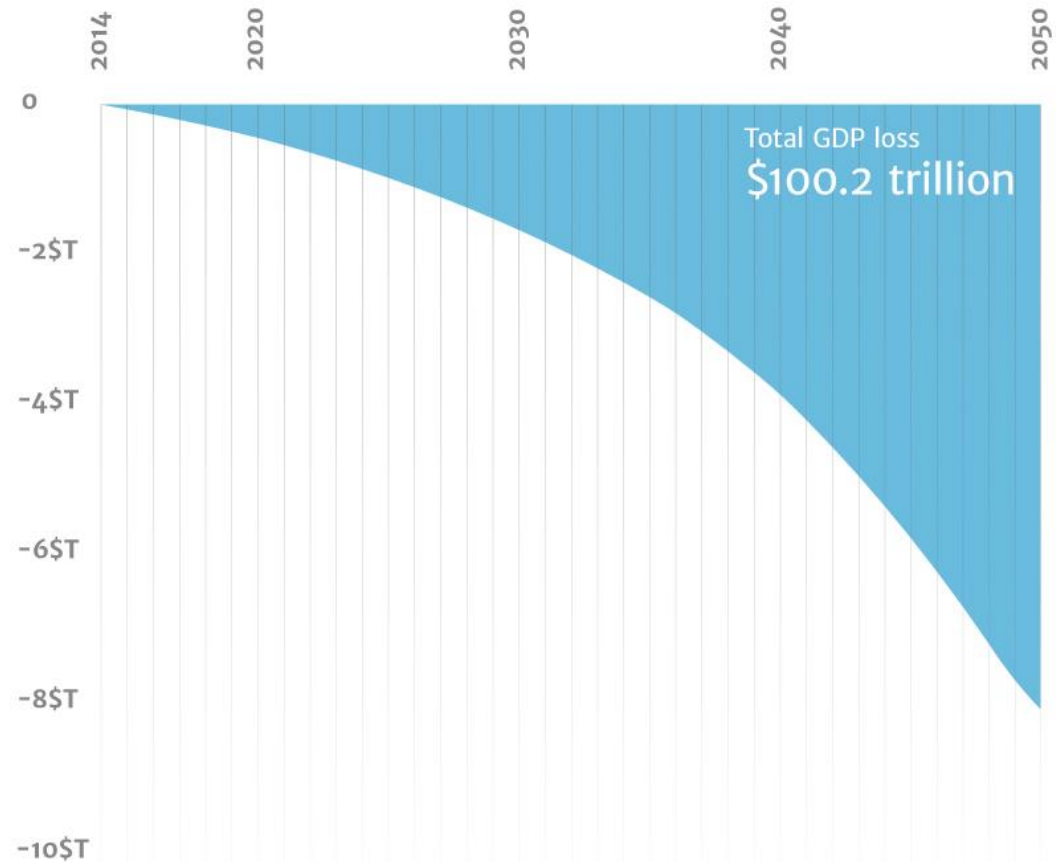
Left unchecked, this could rise significantly over the coming decades



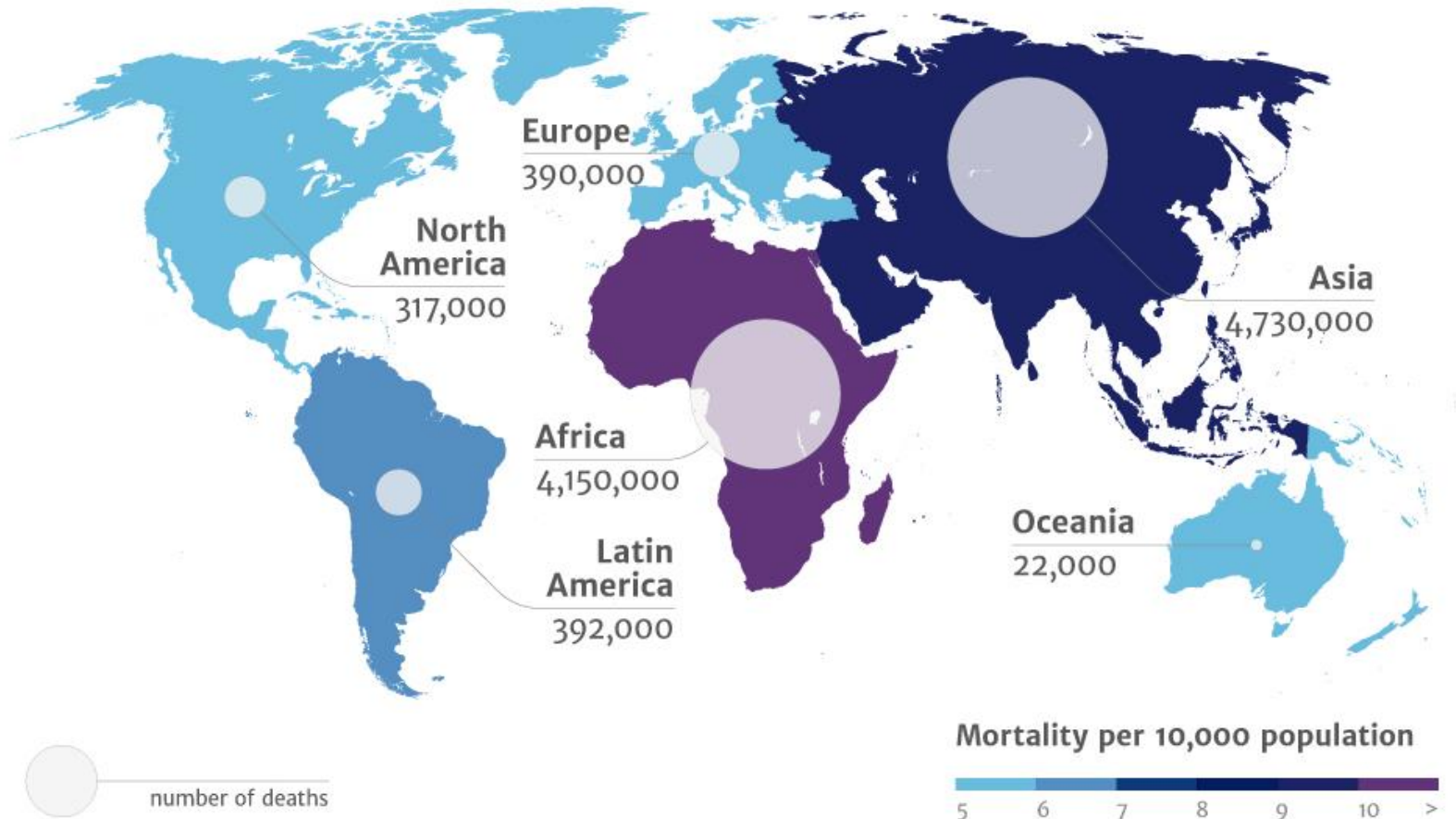
...with significant macroeconomic consequences

The economic effects of rising mortality and morbidity are significant

Our models suggest a **cumulative loss to global GDP of over 100 trillion USD by 2050**



AMR is a problem for countries at all income levels – but the burden is not distributed evenly



Tackling this emerging global crisis

- Review has already published proposals on some key issues:
 - Stimulating the development of new antibiotics
 - Opportunities to make better use of existing antimicrobials
 - Overcoming shortfalls in research funding and human capital
- More areas left to explore:
 - Use of antimicrobials in agriculture and environment
 - Reducing – but effectively monitoring – the spread of infections
- Global cooperation is required: beyond the G7 and the WHO, to the G20 and the UN