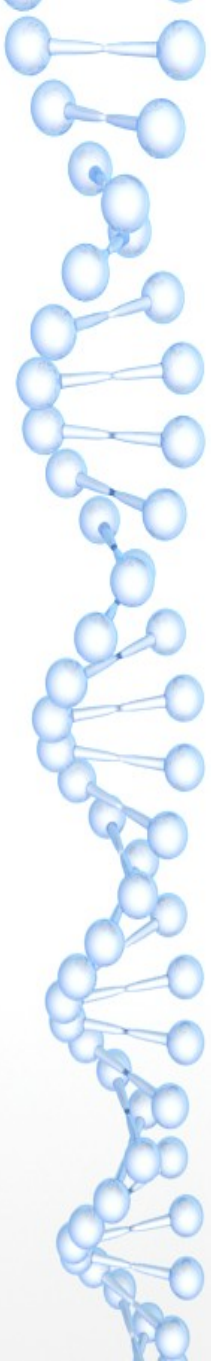




# Antimicrobial resistance

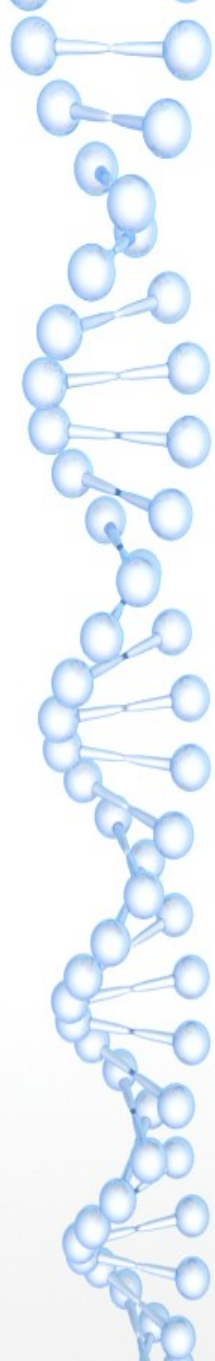
Moderator:  
Nico van Belzen, PhD  
ScienceConsult

NutrEvent  
Rennes (FR), 22<sup>nd</sup> October 2019



Nathan Mayer  
Rothschild

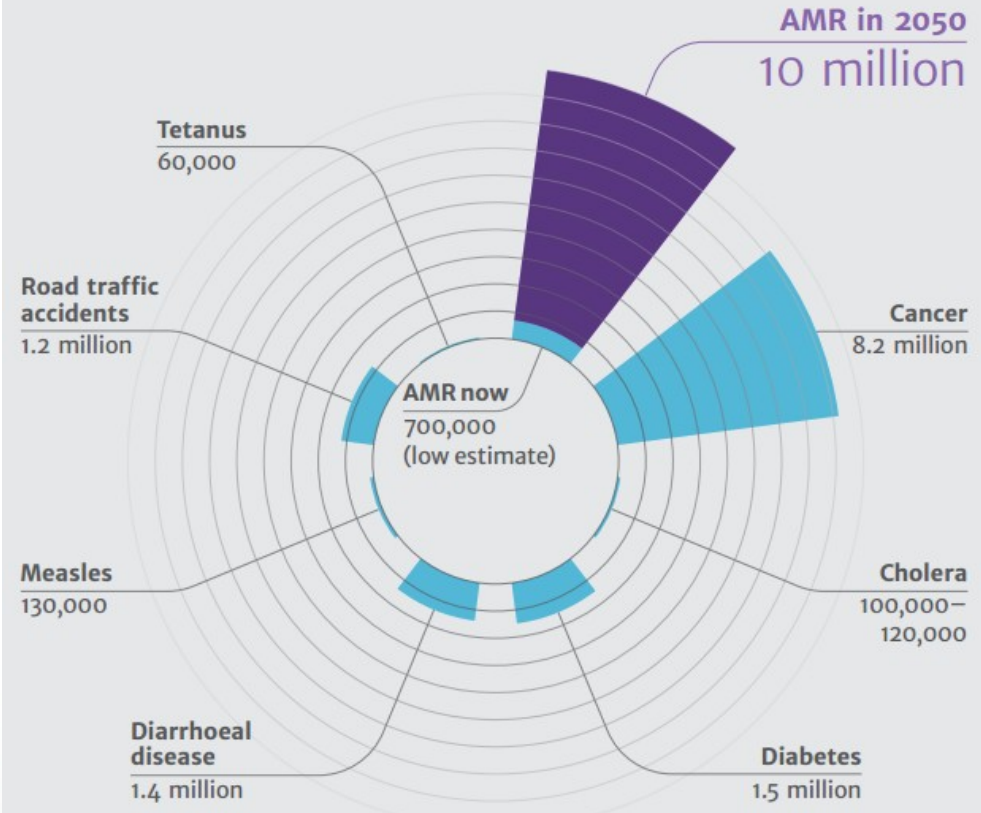
1777-1836



Pre-antibiotics, *S. aureus* was fatal in 80% of infected wounds

Without action, 10 million deaths/year from AMR expected in 2050, with cumulative cost of 100 trillion USD (amr-review.org)

### Deaths attributable to AMR every year compared to other major causes of death





# AMR is an issue for the livestock sector

- Opinions voiced to restrict or reduce animal use of several antibiotics on WHO and OIE critical lists
  - e.g. ICN2 draft text, later deleted: “restrict or eliminate the use of antimicrobials [on WHO critical list, especially 3rd/4th generation cephalosporins and fluoroquinolones] in food-producing animals”
- Significant potential for consumer/NGO concern and (inter)governmental response
  - e.g. call for binding WHO Art. 21 regulation on AMR at <http://www.who.int/bulletin/volumes/93/2/15-152710.pdf?ua=1>

# Speakers



## **Maarten VAN DONGEN**

- Originator AMR Insights, The Netherlands
- Molecular & Medical Microbiologist
- PhD Biochemistry, U. Amsterdam, NL



## **Mauricio AGUDELO**

- Co-Founder & CEO Bialtec, Colombia
- Founded two biotech companies
- Chemical Engineer, U. Antioquia, CO