

# **A LSHTM Massive Open Online Course (MOOC)**

**on**

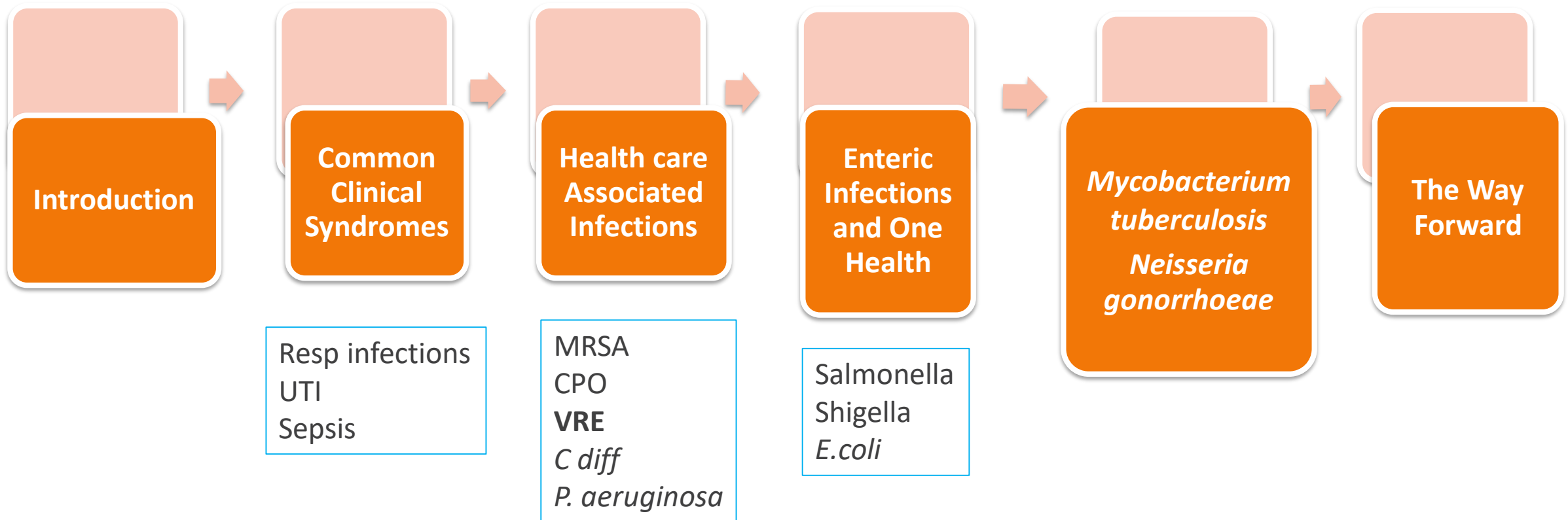
**the Role of Diagnostics in the AMR Response**

# A Massive Open Online Course (MOOC) on the Role of Diagnostics in the AMR Response

- Dearth of teaching materials on AMR in medical/nursing schools, and even less on role of diagnostics in the AMR response;
- There is also a lot of public misconception about AMR. A study of public perception of AMR showed that over 80% of people surveyed thought resistance is in their bodies.
- LSHTM has developed this MOOC in partnership with BD (Becton, Dickinson and Company) to raise awareness on the global AMR crisis and increase knowledge and skills on the role of diagnostics in the AMR response.

# The MOOC Curriculum

The MOOC is structured as a six-week interactive course



# MOOC Learning Objectives

By the end of this MOOC, learners should:

- Have a greater awareness of AMR and how it is caused
- Be able to list infections and/or conditions for which AMR is posing the greatest public health threat, such as respiratory tract infections, urinary tract infections, healthcare associated infections, sepsis, gonorrhoea, and tuberculosis
- Understand the role of diagnostics in reducing the misuse of antibiotics for above conditions, in surveillance and in assessing the effectiveness of antibiotic stewardship strategies

# Contributors to the Development of the MOOC

## The MOOC was developed with:

- **experts from 15 countries**
- **case studies from every region of the world**
- **Animation of patients' journey to get diagnosed and how AMR affected their treatment**

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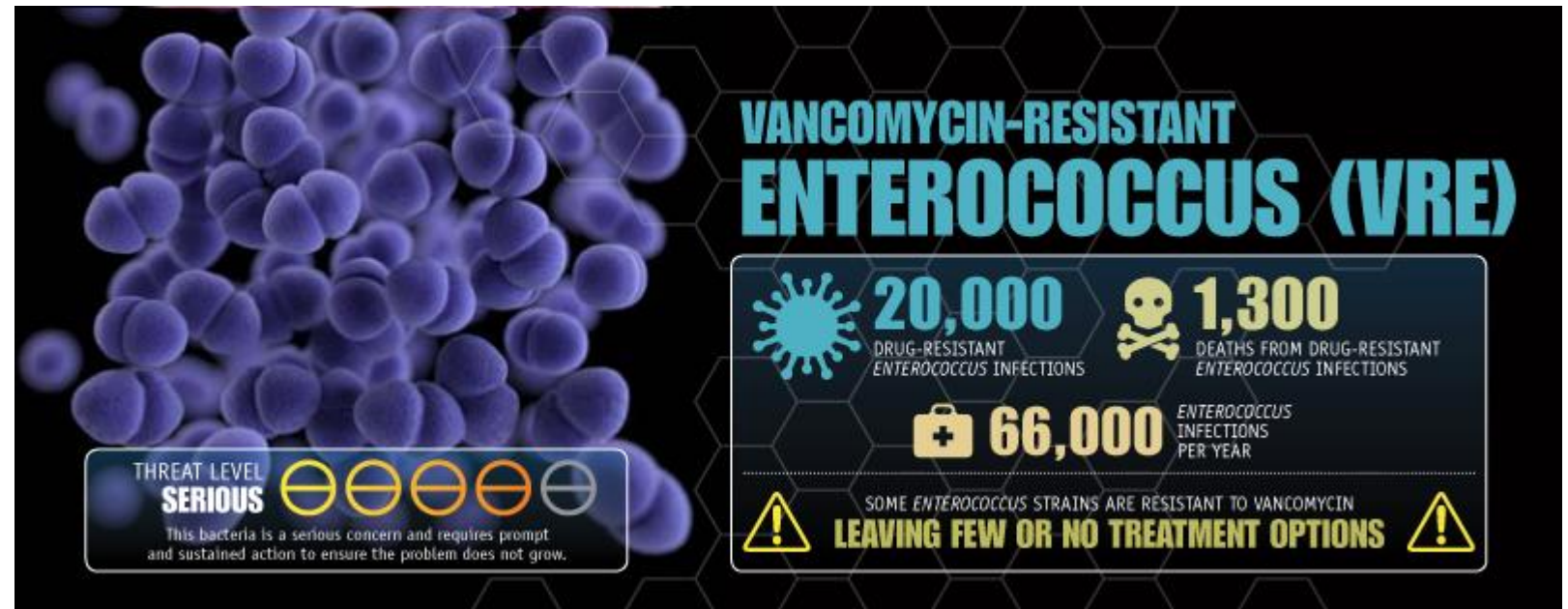
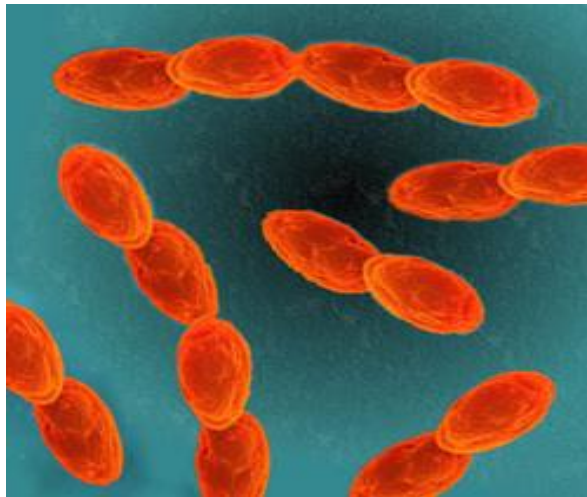
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# Contribution from Hong Kong to the MOOC

The US CDC has put Vancomycin resistant Enterococcus as posing a serious threat to public health in the US:



Watch a video on how the Hong Kong Hospital Authority detected and controlled a VRE outbreak with the use of diagnostics:

<https://youtu.be/x515cp7AIKY>

- The MOOC will likely be launched in May 2019
- Once the MOOC is launched, all the taught content for the 6 weeks will be available for learning
- However, LSHTM will be host a Discussion Forum each of the 6 weeks so learners can benefit from rich discussions and experiences from AMR situations and solutions from around the world week by week
- All course materials can be downloaded to facilitate classroom teaching, tutorials, and in-service training in health care institutions