16. Epidemiological Modelling

16.1. The candidate will have **basic knowledge** of epidemiological modelling.

16.2. The candidate will be able to do the following with **basic expertise**:

    16.2.1. outline the key differences between different types of disease spread models (e.g. deterministic, stochastic, mathematical, simulation)

    16.2.2. describe the stages in model development and assessment

    16.2.3. describe the strengths and weaknesses of commonly used epidemiological models for particular purposes

    16.2.4. provide examples of applications of commonly used epidemiological models and explain the purposes of these models.