WHO Expert Consultation meeting on Antimicrobial Resistance (AMR) Health Burden Estimation

18-19 January 2018
Geneva, Switzerland, WHO HQ

Room M605
Agenda

THURSDAY, 18 JANUARY 2018

8:30-8:45	**Welcome and introductions (C Pessoa)** **Meeting format, objectives and desired outcomes** • Meeting objectives, rules and procedures • Election of chairs
SESSION 1: Current and past history of burden calculation for health conditions	
8:45-9:00	**GLASS – Global AMR Surveillance System (C Pessoa)** (10'+ 5')
9:00- 9:25	**Review on study designs and methodological challenges to monitor clinical burden of multiresistant bacteria – Limitations & potential avenues (E Tacconelli)** (20' + 5')
9:25-9:50	**Estimation of MDR-TB prevalence & derivation of metrics for MDR-TB burden calculation (P Glaziou)** (20' + 5')
9:50-10:05	*Coffee break*
SESSION 2: Approaches and methods to estimate AMR health burden	
10:05-10:20	**PANORAMA project -- short overview (A Stewardson)** (10'+ 5')
10:20-10:35	**From AMR Surveillance to AMR Burden (V Thamlikitkul)** (10'+ 5')
10:35-12:00	**Context & targets (open discussion)** • Objectives of health burden estimation • Criteria to apply when generating data (e.g., representativeness, feasibility, cost) • Target population • Health conditions of interest (type of infection) • Compile case-definitions and health states • Exposure: susceptible and non-susceptible pathogen/s of interest
12:00-13:30	*Lunch together **(Crystal Restaurant, WHO/HQ, Main Building)***

SESSION 2 (Cont.): Approaches and methods to AMR health burden estimation	
13:30-13:40	**Simulation models for burden estimation (N Hens)** (10'+ 5')
13:40-15:30	**What we need – outline steps for definition of: (open discussion)** • methods for burden evaluation (e.g. outcome trees) • metrics to be measured (e.g., prevalence, incidence, mortality) • covariates to be collected • confounders to be considered (e.g. adequacy of antibiotic therapy, severity of illness) • metrics to be generated and adjustments approaches (e.g., DW, DALYs)
15:30-15:50	*Coffee break*
15:50-16:05	**Burden estimates from DRIVE-AB and using the HECTOR methodology to supplement them (Y Carmeli)** (10'+ 5')
16:05-17:30	**Explore potential approaches for pilot studies and identify strengths and limitations (open discussion)**

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SESSION 3: Development of protocols & pilot studies for AMR burden estimation	
8:30-8:45	**Potential synergies with other GBD projects (A Stergachis)** (10'+ 5')
8:45-10:30	**How to do it (open discussion)** • Potential study designs and associated challenges • Sampling strategy and data collection protocols (LMICs, HICs)
10:30-10:45	*Coffee break*
10:45-12:00	**How to do it (open discussion continued)**
12:30-13:00	**Planned activities and steps forward (open discussion)**
13:00	**Meeting closure**