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Fifth Meeting of the Quadripartite Technical Group on the Economics of Antimicrobial Resistance (QTG-EA)

24 May 2024, 12-14h CET

MEETING REPORT

Chair: Dr. Jean-Pierre Nyemazi, Lead for the Core Team on economics of AMR within the Quadripartite Joint Secretariat on AMR

QTG-EA member participants: Amna Siddiqui, André Luiz de Abreu, Hadeer Swedan, Josephine Gakii, Julie Robotham, Olga Perovic, Raymond Oppong, Rosa Rodriguez-Monguio, Wei Wang, Yasser Mahmmod, Aashna Mehta, Jay Gomboso, Darwin Bando

Presenters: Martín Cicowiez (CEDLAS-UNLP), Chantal Morel

Relevant staff from the Quadripartite Joint Secretariat on AMR (QJS): Jean-Pierre Nyemazi, Holy Akwar, Alejandro Acosta, Myfanwy Hernandez

Process of the meeting: The fifth official meeting of the Quadripartite Technical Group on Antimicrobial Resistance (QTG-EA) was held virtually on 24 May 2024 at 12h Central European Time. The meeting was chaired by Jean-Pierre Nyemazi, from the Quadripartite Joint Secretariat on AMR.

1. **Progress towards the UNGA High-Level Meeting on AMR:** Dr Nyemazi opened the meeting by summarizing the progress of Member State negotiations on the political declaration zero draft leading up to the UNGA High-Level Meeting (HLM) on AMR to be held in September, encouraging the group's economic experts to continue economic advising and political advocacy for AMR in their respective spheres, particularly regarding financing recommendations.
2. **Overview of full global investment case:** Dr Chantal Morel updated the group on recent progress on country-level studies to understand local economic cases, along with other benchmarks of the overall investment case work. She summarized the methods and key findings of the global investment case study. Limitations of the study were outlined, including the difficulty of predicting AMR emergence and transmission, various data gaps, and non-comprehensive economic losses. Dr Morel noted that the high-level results have been published alongside the recent report of the Global Leaders Group on AMR; the work is now being prepared for publication as a more formal report; a more methods-driven version may also be prepared for publication in a journal towards the end of the year. Questions from the group were fielded regarding involvement other Quadripartite organizations and non-human sectors,

alignment of results and methods with similar studies, study limitations, the role of immunization.

- 3. The global economy-wide impact of reducing AMR:** Dr Martín Cicowiez (CEDLAS-UNLP) outlined the methods to calculate the economy-wide effects of the intervention package, beyond those that are captured in the SPHeP-AMR microsimulation model, using a global Computational Generalized Equilibrium (CGE) model. Aggregate variables include change in population size by age group, change in labor productivity, change in health spending, and cost of interventions. Transmission channels and shocks included in the model were explained. Results, including yearly welfare impact, change in private consumption, and change in GDP, as well as the key drivers of these results, were shared. Questions from the group were fielded regarding assumptions of the baseline scenario, noted outliers in the results, and potential considerations for different shock affects across various sectors.
- 4. Closing of the meeting and next steps:** The most recent draft of the economic report will be sent to any group members who wish to provide final comments. These comments should be provided within a week, to facilitate the timely finalization of the report. Any expert that would like to not be mentioned in upcoming publications should reach out to Dr Morel.