

Korea



The National Research Foundation (NRF) of Korea, organizing and funding basic and applied research projects on behalf of the Ministry of Science and ICT of the Korean government represents the nation in international scientific and policy initiatives such as the JPIAMR. In Korea, several ministries and agencies, including the Ministry of Science and ICT (MSIT), Ministry of Health and Welfare, Ministry of Agriculture, Food and Rural Affairs and Korean Center for Disease Control (KCDC), are responsible for the policies and research on antimicrobial resistance (AMR).

National AMR Action Plans

- The Korean national action plan on antimicrobial resistance (2016-2020)
- The new Korean action plan for containment of antimicrobial resistance is under preparation.

National AMR research calls

- Identification of the mechanism of antibiotic resistance and development of technology to suppress the occurrence of resistance: Four-year project (2020-2023), 3.5 billion Korean Won
- Advancement of the international network for securing resources for high-risk infectious diseases: Five-year project (2020-2024), 4.33 billion Korean Won
- Global Research Collaboration for Infectious Disease Preparedness: Two-year project (2020-2021), 0.45 billion Korean Won
- Detection and prevention of animal infectious disease: supports the studies on the avian influenza and food and mouth disease (mechanism studies, developments of vaccine, disinfectant, and diagnostic tools).
- GFID Call 2019: detection, prevention and surveillance studies of infectious disease at the national level

National AMR research programs

- Establishment of the Government-wide One Health AMR Plan (multi-institutional collaborative project) (2019-2023)
 - Assessment of antibiotic usage and appropriateness;
 - Development of new AMR detection method
 - Mechanism and characteristics of AMR in human-animal-environment; MR prevention and development of new treatment strategy
- Role of different ministries involved in different sectors of this program:
 - Korean Center for Disease Control and Prevention (KCDC) and Ministry of Health and Welfare (MoHW): Hospital and local
 - National Research Foundation (NRF) and Ministry of Science (MSIT) and ICT: Detection and prevention of AMR
 - Ministry of Agriculture, Food and Rural Affairs (MAFRA): Livestock and pets
 - Ministry of Environment (ME): River, Wastewater and Environment
 - Ministry of Oceans and Fisheries (MOF): Fisheries
 - Ministry of Food and Drug Safety (MFDS): Livestock and fishery product
- Government-wide R&D Fund project for infectious disease research (GFID)

Activities on AMR actions at national level

- Plan for establishing the National Research Institute for Infectious Disease under the Korean Center for Disease Control (KCDC) was approved (* KCDC will be promoted to the vice-minister's level)