



WHO COLLABORATING CENTRE FOR ANTIMICROBIAL RESISTANCE

-

THE PETER DOHERTY INSTITUTE FOR INFECTION AND IMMUNITY

OVERVIEW

The WHO Collaborating Centre for Antimicrobial Resistance works under the leadership of the World Health Organization (WHO), particularly the Western Pacific Regional Office, to strengthen and build antimicrobial stewardship and laboratory capacity for diagnosis and surveillance of antimicrobial resistance (AMR).

Antimicrobial resistance (AMR) is the ability of microorganisms to resist being killed by antimicrobials, which poses a major and rapidly growing threat to the prevention and treatment of infections, and to public health globally.

Based at the Doherty Institute, in Melbourne, Australia, the WHO Collaborating Centre for Antimicrobial Resistance supports the WHO in activities to prevent, detect and monitor, and respond to AMR, through the provision of technical expertise and training for the implementation of laboratory diagnosis and surveillance, antimicrobial stewardship, and infection prevention and control programs.

The Centre will support countries to address AMR through strengthened surveillance systems, laboratory capacity, infection prevention and control, advocacy and awareness raising, and development and implementation of evidence-based policies and practices.

OBJECTIVES

The WHO Collaborating Centre will support the WHO for the implementation of activities to:

- Provide guidance in the optimisation of the use of antimicrobials, through training, technical advice and support for **antimicrobial stewardship**.
- Provide technical support, advice and training for **laboratory diagnosis and surveillance of AMR**.

AREAS OF EXPERTISE

The WHO Collaborating Centre for Antimicrobial Resistance supports the prevention and surveillance of AMR through provision of technical expertise for antimicrobial stewardship, laboratory diagnosis of AMR pathogens, support for AMR surveillance through epidemiological and genomic analysis, and guidance for infection prevention and control for prevention of AMR, to WHO Member States, particularly across the Western Pacific region.





OUR APPROACH

Technical support and guidance

The Centre provides technical support through the provision of evidence-based guidance to ensure AMR programs follow international best-practice and are tailored to country context. Technical support includes the provision of evidence-based tools, support to adapt resources and materials to local context, and support for the development of standard operating procedures and other protocols for program implementation as required.

The Centre is also connected with healthcare settings and laboratories globally to provide guidance on the control, monitoring and reporting of AMR for public health, through mentorship of pharmacists, doctors, nurses, microbiologists, laboratory scientists, and public health personnel.

Capacity building and training

The Centre provides training to Member States through the development and delivery of training programs, including conducting training workshops at the Centre, and training of country counterparts to support implementation of AMR programs in international healthcare and laboratory settings, and contribution to WHO's existing training initiatives as required.

All capacity building activities are designed using a train-the-trainer approach, to promote sustainability of initiatives and strengthen capacity across Member States.

Resource development

The Centre provides technical input for the development of resources for use by Member States, including AMR guidance documents, training packages and resources, and ongoing review and support for implementation of the WHO Global Antimicrobial Resistance and Surveillance System. The WHO Collaborating Centre is also a member of the WHO AMR Collaborating Centre Network, which brings together Collaborating Centres working in AMR globally to support WHO to implement the WHO Global Antimicrobial Resistance and Surveillance System.

DIRECTORS

Professor Ben Howden
bhowden@unimelb.edu.au

Professor Kirsty Busing
Kirsty.Busing@mh.org.au

CONTACT

Chantel Lin
WHOCC-AMR@unimelb.edu.au

