

Tackling antimicrobial resistance programme

Fleming Fund online learning



29 courses

10 learning pathways

1 surveillance strategy toolkit

The Fleming Fund **Tackling Antimicrobial Resistance** programme offers 29 online courses across 10 learning pathways. The programme, developed by The Open University for the Fleming Fund, is designed to help you develop and apply skills relevant to your role in tackling antimicrobial resistance (AMR).

Courses are designed for use in low IT bandwidth environments. They include video segments, diagrams and numerous opportunities to check your learning through interactive quizzes and reflective activities. Most take around six hours to complete, but you can work through them at your own pace.

How does it work?

You do not need to study every course, choose the ones that best match your role, responsibilities and personal learning goals. The courses are flexible and can be taken in any order.

Upon completing a course, you will receive a Statement of Participation certificate and a digital badge to share on social media.

The courses are organised into ten learning pathways that are tailored to key clinical, veterinary, laboratory and leadership roles.

Upon completing a learning pathway, you will receive a Certificate of Completion.

In addition to the learning resources, the **AMR surveillance toolkit** supports teams in improving collaboration and developing effective strategies to combat AMR.



To access the programme online,
scan the QR code or visit:

open.edu/openlearncreate/AMR



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Pathway requirements grid

*R = recommended optional course –
not part of the certificate for that pathway*

Pathways

	Laboratory professionals - human	Laboratory professionals – animal	Senior laboratory professionals - human	Senior laboratory professionals - animal	Clinical services professionals	Senior management clinical	Veterinary services professionals	Senior management veterinary	Policymakers	Data scientists and epidemiologists
AMR surveillance and you	●	●	●	●	●	●	●	●	●	●
The problem of antimicrobial resistance	●	●	●	●	●	●	●	●	●	●
Gender and equity in AMR surveillance	●	●	●	●	●	●	●	●	●	●
Introducing antimicrobial resistance	●	●	●	●	●	○	●	●	●	●
Antimicrobial resistance in animals	○	●	○	●	○	○	●	●	●	●
AMR in the environment	●	●	●	●	●	●	●	●	●	●
Isolating and identifying bacteria - human	●	○	●	○	○	○	○	○	○	●
Isolating and identifying bacteria - animal	○	●	○	●	○	○	●	●	○	●
Antimicrobial susceptibility testing	●	●	●	●	○	○	●	●	○	●
Testing for mechanisms of resistance	●	●	●	●	○	○	○	○	○	○
Whole Genome Sequencing in AMR surveillance	○	○	R	R	○	●	○	●	●	○
Quality assurance and AMR surveillance	●	●	●	●	●	○	○	○	○	○
Introducing a One Health approach to AMR	●	●	●	●	●	●	●	●	●	●
An introduction to AMR surveillance	●	●	●	●	○	●	●	●	●	●
Introducing AMR surveillance systems	●	○	●	●	●	●	●	●	●	●
AMR surveillance in animals	○	●	○	●	○	○	●	●	●	●
Sampling - human	○	○	○	○	●	●	○	○	○	●
Sampling - animal	○	○	○	○	○	○	●	●	○	●
An overview of national AMR surveillance	○	○	●	○	○	●	○	○	●	●
The health and economic burden of AMR	○	○	R	○	○	●	○	○	●	●
Communicating AMR data to stakeholders	○	○	●	●	○	●	●	●	●	●
Legal and ethical considerations in AMR data	●	●	●	●	●	●	●	●	●	●
Fundamentals of data for AMR	●	●	●	●	●	●	●	●	●	●
Using AMR data for policymaking	○	○	○	●	●	●	○	●	●	●
Processing and analysing AMR data	●	●	●	●	●	●	●	●	●	●
Summarising and presenting AMR data	○	○	●	●	●	●	○	●	●	●
Antimicrobial stewardship in clinical practice	○	○	○	○	●	●	○	○	○	○
Diagnostic stewardship in clinical practice	○	○	●	○	●	●	○	○	○	○
Antimicrobial stewardship in animal health	○	●	○	●	○	○	●	●	●	○