



ANTIMICROBIAL RESISTANCE (AMR)

SUPPORTING THE TRANSLATION OF YOUR AMR
INNOVATION INTO THE CLINIC AND ON TO
ACCESSING THE UK MARKET



UK CONTEXT

AMR is one of the biggest global health threats we face and is estimated to cause 700,000 deaths globally each year. That figure is predicted to rise to 10 million, alongside a cumulative cost of \$100 trillion, by 2050.

- AMR is a healthcare priority for the UK and has led to the country being one of the first in the world to establish a National AMR Action Plan.
- The UK has invested in world-leading infrastructure, expertise and funding programmes to support AMR research and development.
- Numerous initiatives to accelerate adoption of new AMR innovations into the health system, including novel reimbursement models, are being developed and trialed.

WE CAN HELP YOU:

- Access expertise
- Set up and deliver research
- Access data and samples
- Access funding
- Gain market access

AMR COSTS
THE NHS
£180
MILLION
PER YEAR

35% IN ANTIBIOTIC
RESISTANT
INFECTIONS
IN ENGLAND
BETWEEN
2013-2017

UK GOVERNMENT
HAS INVESTED
£360
MILLION
SINCE 2014 TO
SUPPORT AMR R&D

THE UK HAS ROLLED
OUT THE WORLD'S FIRST
AMR SUBSCRIPTION
STYLE REIMBURSEMENT
MODEL

WHO AND WELLCOME TRUST
(UK CHARITY) WERE INSTRUMENTAL
IN THE DEVELOPMENT OF A
\$1 BILLION
AMR ACTION FUND, SET UP
TO SUPPORT BRINGING NEW
ANTIBIOTICS TO MARKET

ACCESS TO EXPERTISE

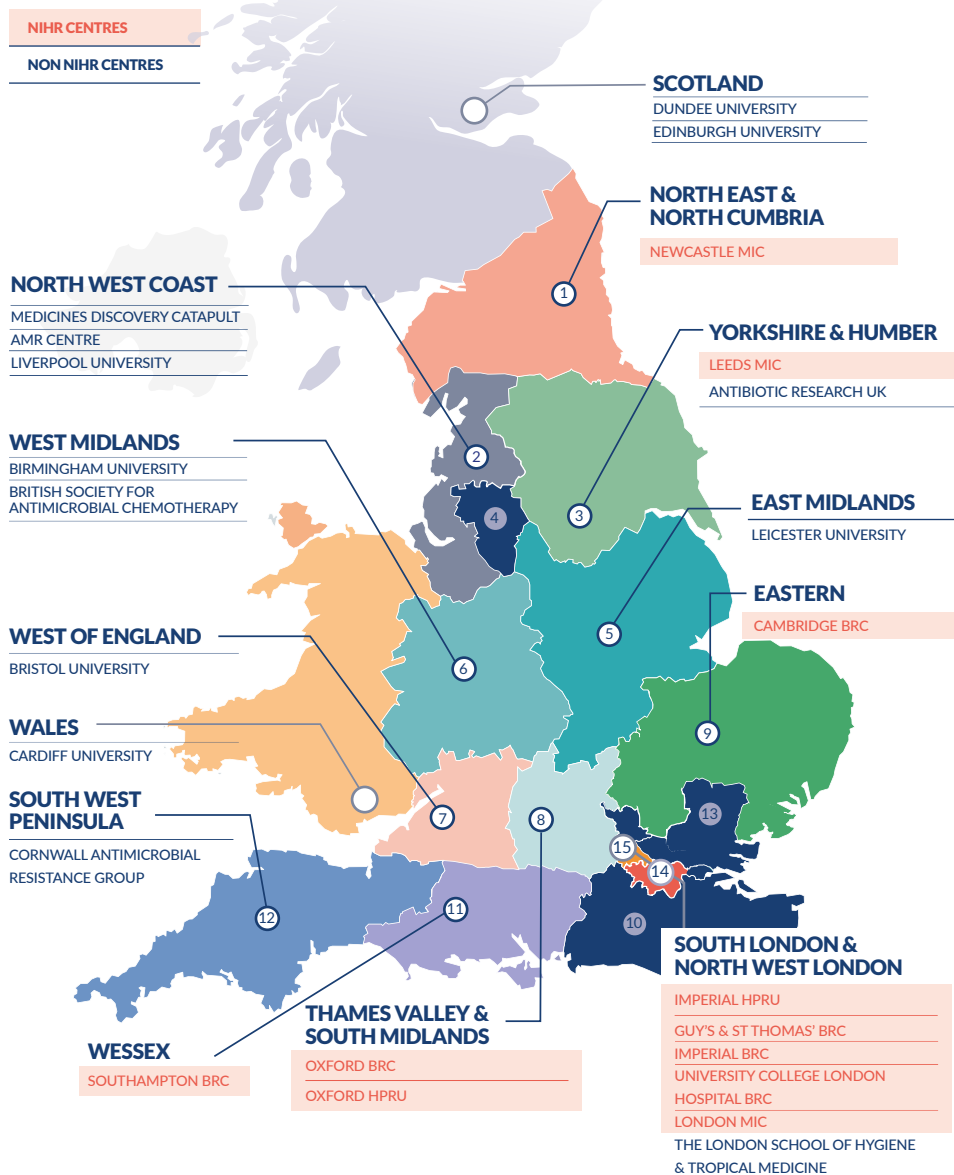
NIHR has a unique view on the strengths, capabilities and interests of over 25,000 researchers across our country's leading universities and NHS hospitals. Our experts have the knowledge to help you translate your innovation into the clinic and on towards market.



WE CAN HELP YOU:

- Connect into the most applicable AMR expertise across the country, including clinicians, academics, health economists and statisticians.
- Gain support in developing your clinical strategy and input into the design of your innovation.
- Connect into the wider health system, including regulators, government departments and healthtech clusters; providing advice and support around product and business development within the UK and overseas.

UK KEY AMR CENTRES OF EXCELLENCE AND NETWORKS



OVER 25 AMR CENTRES OF EXCELLENCE ACROSS THE UK FUNDED BY NIHR AND OUR PARTNERS

NIHR HAS INVESTED £117 MILLION TO STRENGTHEN UK-BASED CAPACITY AND CAPABILITY IN AMR RESEARCH

OVER 10% OF AMR PUBLICATIONS WORLDWIDE ARE GENERATED FROM UK-LED RESEARCH

UK HAS 4/10 OF THE TOP UNIVERSITIES FOR LIFE SCIENCE RESEARCH IN THE WORLD

15 NIHR LOCAL CLINICAL RESEARCH NETWORKS COVER ALL REGIONS OF ENGLAND

* BRC | BIOMEDICAL RESEARCH CENTRE

* MIC | MEDTECH & IN VITRO DIAGNOSTICS CO-OPERATIVES

* HPRU | HEALTH PROTECTION RESEARCH UNIT



SUPPORT IN DELIVERING RESEARCH

Through our networks and centres we can help you conduct both commercial-contract and collaborative research across the UK's NHS, social care and universities. We offer a cost-free service to support you plan, set up and deliver high quality research to time and target.

WE CAN HELP YOU:

- Generate the evidence required to take your innovation to market; including evidence around safety, efficacy, health economics, human factor and care pathway impact.
- Gain access to UK's NHS hospitals and leading universities to enable you to deliver research across primary, secondary, tertiary and social care.
- Access to cutting edge facilities and some of the world's most advanced clinical tools.
- Work with the UK's world-leading experts and patient groups in designing and delivering novel and innovative trials to accelerate your research.

100%

OF ENGLAND'S HOSPITAL TRUSTS RECRUIT PARTICIPANTS INTO NIHR-SUPPORTED STUDIES

A SINGLE ENTRY POINT FOR ETHICS AND REGULATORY APPROVAL (INTEGRATED RESEARCH APPLICATION SYSTEM)

OVER 500

AMR STUDIES DELIVERED OVER THE LAST 5 YEARS ACROSS THE INNOVATION PATHWAY WITH

OVER 80,000 PATIENTS RECRUITED



ACCESS TO DATA AND SAMPLES

Our single, national healthcare system provides care from birth to old age with one unique NHS number per patient. Our ability to connect and access this patient data is rapidly expanding - making the UK home to the richest healthcare data in the world.

WE CAN HELP YOU:

- Access providers of broad and deep datasets from across primary and secondary care.
- Access data on large and diverse populations covering the complete life course.
- Connect into our leading researchers and centres to access specific datasets and highly characterised clinical samples.
- Connect into partner organisations, including biobanks and specialist centres to support you in developing your innovations.

BioAID: SAMPLES AND CLINICAL DATA FROM

OVER 4,200

VOLUNTEERS PRESENTING WITH INFECTIOUS DISEASES

CLINICAL PRACTICE RESEARCH DATALINK: ACCESS TO PRIMARY CARE DATA FROM 50 MILLION PATIENTS, LINKED TO OTHER DATASETS TO PROVIDE A LONGITUDINAL, REPRESENTATIVE UK POPULATION HEALTH DATA SET

HEALTH DATA RESEARCH UK AND NHS DIGITAL ENABLE DISCOVERY AND ACCESS TO MANY UK HEALTH DATASETS

SUPPORT IN GAINING ACCESS TO FUNDING

Gain access to a variety of funding programmes from the NIHR and our partners to help support the translation and evaluation of your innovation within the clinic.

WE CAN HELP YOU:

- Access NIHR funding to support your development programmes from proof of concept through to real world evidence generation.
- Identify partner funding programmes to support basic research and business grants (e.g. UKRI, Wellcome Trust).
- Connect you with leading researchers and centres to partner with you in your funding applications.
- Link into the UK's world-leading investment community.

SINCE 2015,

£105 MILLION

HAS BEEN INVESTED BY THE NIHR FUNDING PROGRAMMES IN AMR RESEARCH PROJECTS

THE NIHR HAS

OVER 10

DIFFERENT FUNDING PROGRAMMES EACH ONE DEDICATED TO THE TYPE OF INNOVATION OR STAGE OF RESEARCH BEING CONDUCTED

WELLCOME TRUST COMMITTED UP TO

\$155 MILLION

OVER FIVE YEARS TO TACKLE DRUG-RESISTANT INFECTIONS

MARKET ACCESS

The UK recognises the challenges of market access, ensuring the best innovations get adopted and disseminated across the health system.

WE CAN HELP YOU:

- Link into organisations that can support you in developing your value proposition and help you access NHS procurement at a regional and national level.
- Connect into organisations that can guide you through the evidence requirements for adoption, and the process of procurement and reimbursement.
- Connect into organisations that can support you grow your business within the UK.

NICE'S OFFICE FOR MARKET ACCESS SUPPORTS COMPANIES THROUGH IDEATION, REIMBURSEMENT AND ADOPTION IN THE UK

NOVEL REIMBURSEMENT MODELS, INCLUDING EARLY ACCESS TO MEDICINES SCHEME AND AMR PAYMENT MODEL

THE UK'S ACADEMIC HEALTH SCIENCE NETWORK HAS SUPPORTED

3630 INNOVATIONS

(2018-2019) ACCESS THE UK MARKET

How to work with us

If you are looking to access all of the support listed above, please contact us:

+44 (0)20 3794 7380 | nocri@nihr.ac.uk | @NIHR_Industry | www.nihr.ac.uk/industry