

Developing Innovations that Achieve Improved Outcomes through Patient Engagement

INTRODUCTION

From a value-based health and care perspective, understanding the overall health and mental well-being of patients in relation to the treatment of their disease is key to achieving improved patient outcomes. In the context of chronic obstructive pulmonary disorder (COPD), COPD patients have identified the threat of antimicrobial resistance (AMR) arising from the use of antibiotics for their treatment as a serious concern.

COPD PATIENTS



300 MILLION WORLDWIDE



AMR: 10 MILLION LIVES LOST BY 2050*



THE INNOVATION CHALLENGE

The EU One Health Action Plan urgently calls for the development and preservation of new antibiotics to maintain their effectiveness. However, because the responsible use of antibiotics to mitigate against AMR means limited financial returns, there is a lack of traditional incentives to encourage and drive innovation.

METHODS

Based on the ICHOM Set of Patient-Centred Outcome Measures for Overall Adult Health, COPD patients were interviewed about their overall physical, mental, and social health in relation to the treatment of their disease.



ANALYSIS

COPD patients had a high degree of awareness of their risk to AMR and the associated negative impact on their health and well-being. This patient feedback formed the basis of further stakeholder engagement to develop a holistic innovation strategy.



RESULTS

A legally supported innovation framework that captures the social value of new antibiotics was developed through a shared decision-making process to address the economic challenges associated with antimicrobial stewardship.



In line with the principles of value-based health and care and responsible research and sustainable innovation, the proposed framework will:

1 Promote innovation.

2 Prevent the creation of scientific and access barriers.

3 Provide a governance structure to support a balanced and holistic approach to the implementation of the EU One Health Action Plan.



SCAN ME

*World Health Organization, Antimicrobial Resistance (www.who.int/news-room/fact-sheets/detail/antimicrobial-resistance)

*European Commission, AMR: a major European and Global challenge (health.ec.europa.eu/system/files/2020-01/amr_2017_factsheet_0.pdf)