

Antibacterial resistance a cause for major concern according to world leading cystic fibrosis expert

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World-leading cystic fibrosis experts from Queen's University Belfast have called for greater research to address the major concern of antibacterial resistance.

Professor Stuart Elborn, an international authority on respiratory medicine, said that more funding and further research are required into [antibiotic resistance](#) in order to improve patient outcomes for people with cystic fibrosis.

In his paper, *Infections in chronic lung diseases 2*, which was recently published in *The Lancet*, Professor Elborn reviews current research into infections in chronic lung diseases. Professor Elborn and his colleagues state that while not all resistance found in bacteria is caused by antibiotics, the increasing resistance to antibiotics is proving a major problem in treating people with cystic fibrosis.

Speaking about his research Professor Elborn, Dean of the School of Medicine, Dentistry and Biomedical Sciences at Queen's, said: "Our review of current research has found a need for further investigation into antibacterial resistance. While [antibiotic treatment](#) has undeniably resulted in increased life expectancy for patients with Cystic Fibrosis during the past 50 years, the emergence of [antimicrobial resistance](#) is a cause for major concern.

"We need more research into how to improve [cystic fibrosis](#) patient outcomes while reducing antibiotic [resistance](#). We need to look at the use of compounds that may work against bacteria in a way that helps our current antibiotics to be more effective. Such compounds are readily available for treatment of other conditions. At Queen's we are leading the way and are working on developing some of these compounds."

More information: The full journal paper is available at:
[www.thelancet.com/journals/lan ... \(14\)61137-5/fulltext](http://www.thelancet.com/journals/lan... (14)61137-5/fulltext)

Provided by Queen's University

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