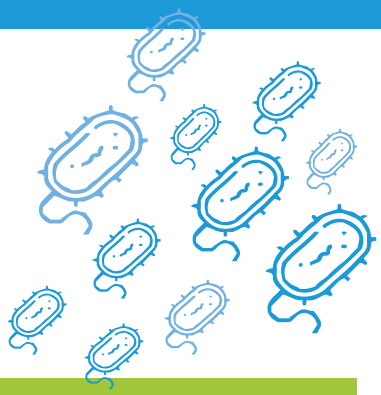
RESPONDING TO ANTIBIOTIC RESISTANCE THREATS

with Rapid Diagnostics

"Superbugs", or multidrug resistant bacteria, are the biggest healthcare challenge of our time. By 2050, antimicrobial resistant superbugs could kill an estimated 10 million people each year worldwide, overtaking cancer as a cause of death, and have a financial impact of $100 trillion USD worldwide.

Review on Antimicrobial Resistance, 2016

WHAT IS ANTIBIOTIC / ANTIMICROBIAL RESISTANCE?



> When germs (bacteria, viruses, or fungi) resist the drugs designed to destroy them
> New antibiotic-resistant bacteria are being discovered regularly, but new drug development is not keeping up
> Drug resistance genes can be easily transferred between species of bacteria

2,868,700
antibiotic-resistant infections per year

35,900
people die per year from these infections

18 THREATS
identified urgent, serious, or concerning by CDC

CDC Report: Antibiotic Resistance Threats, 2019

LexaGene's LX Genetic Analyzer provides rapid on-site diagnostics for quick, sensitive detection of pathogens and their antimicrobial resistance factors.

RAPID DIAGNOSTICS IS VITAL TO HELP:

RESPOND

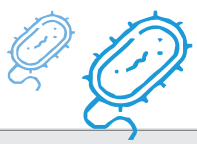
LexaGene's analyzer provides gold standard test results within 1 hours' time – rather than days for traditional testing – so that healthcare providers can make better decisions about patient care

PREVENT

LexaGene's analyzer provides insight on antibiotic resistance factors for more targeted therapy - which reduces the chances of disease spread

CONTROL

LexaGene's analyzer provides rapid results for better outcomes and better antibiotic stewardship, which will help reduce future threats



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