

CASE STUDY:

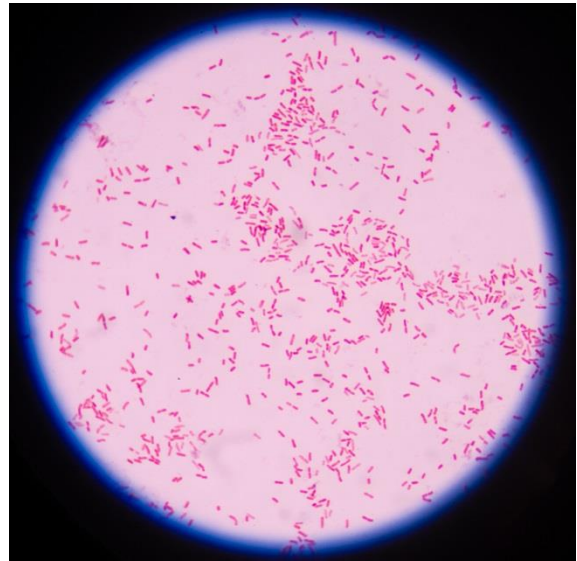
A literature review of the burden of illness of serious, multi-drug resistant Gram-negative infection



The purpose of this burden of illness review was to evaluate the epidemiological, clinical, humanistic and economic burden of multi-drug resistant Gram-negative infection. This was required to inform future economic models and to identify gaps in the available information to highlight where additional research might be required.

YHEC conducted a pragmatic literature review, searching seven databases, two websites and one source of grey literature.

We found that the epidemiological burden of serious multi-drug resistant Gram negative infection was reported inconsistently. Standardising the burden by country or bacterial strain was not possible. Clinical burden was not widely reported and the quantity of information was variable. No studies reported on humanistic burden. Economic burden was reported by only 12 studies with small populations.



This work was useful as it has highlighted the limited and variable information available on the epidemiological, clinical, humanistic and economic burden of multi-drug resistant Gram negative infection. This has drawn attention to the need for more research in the area and the limitations of using the existing data to any draw firm conclusions.

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