

AMR: a clinical perspective

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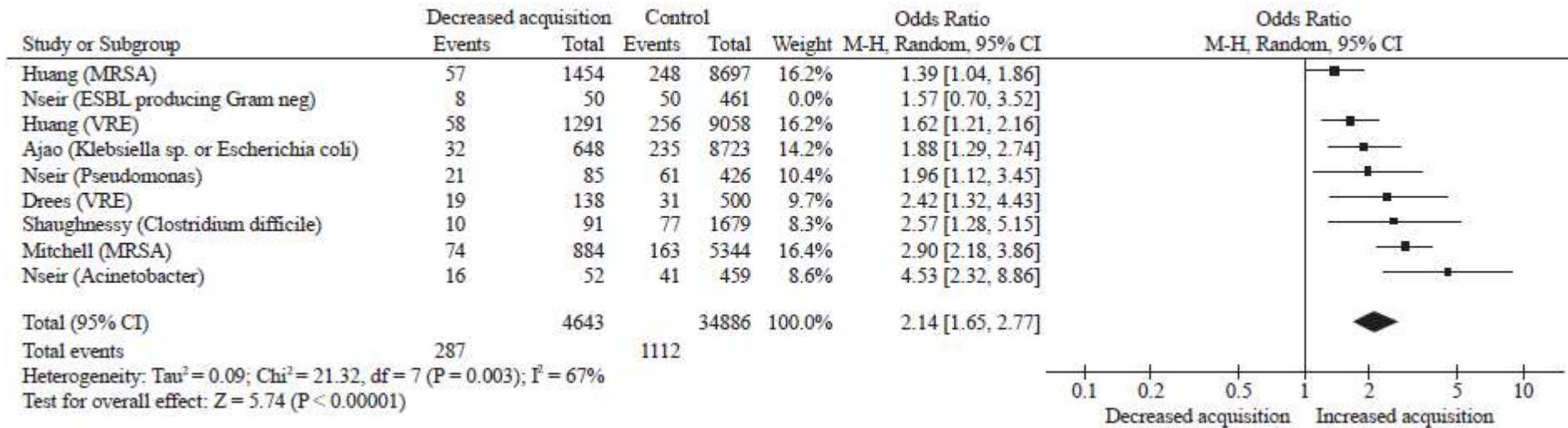


Room A



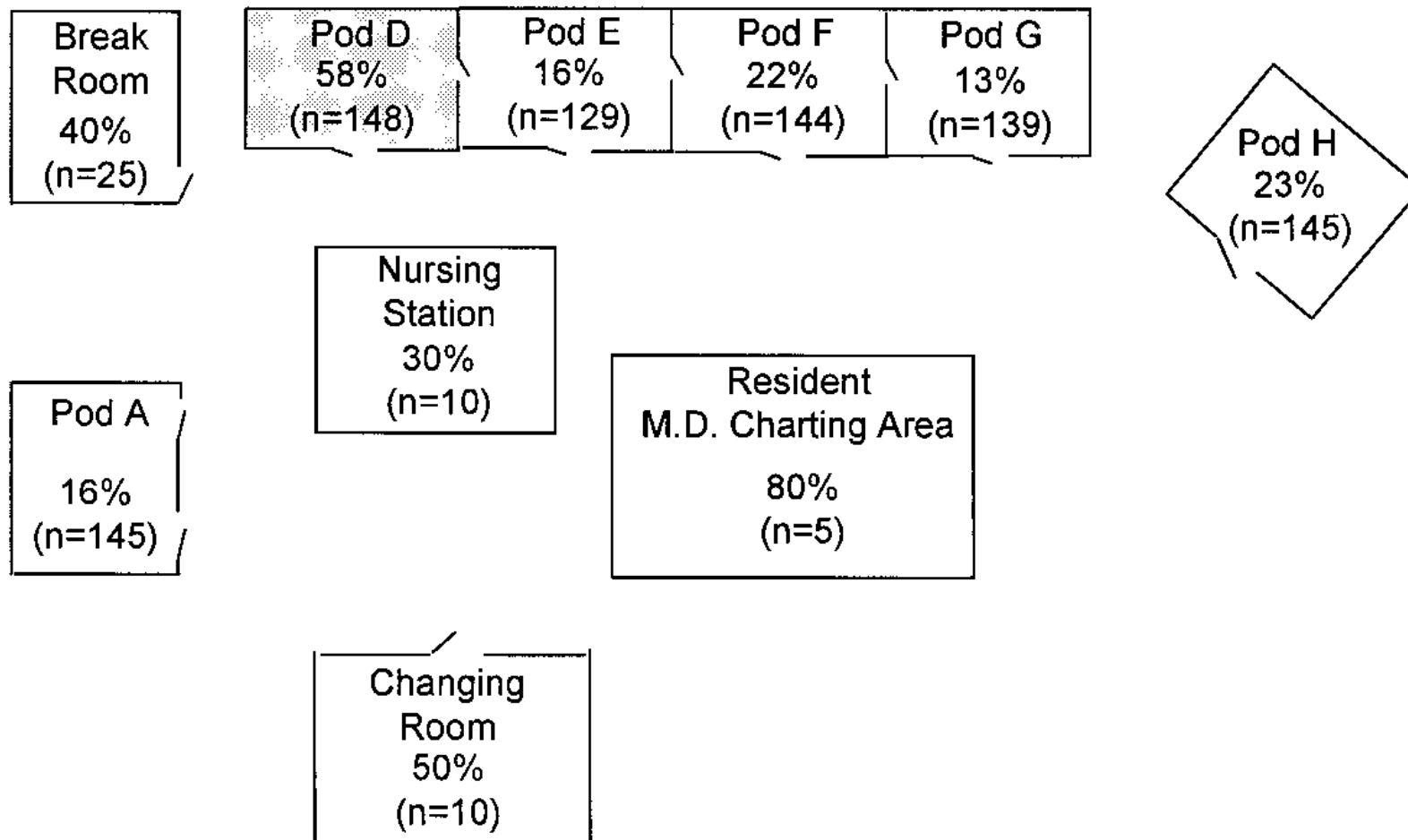
Room B

Your hospital room can make you sick!

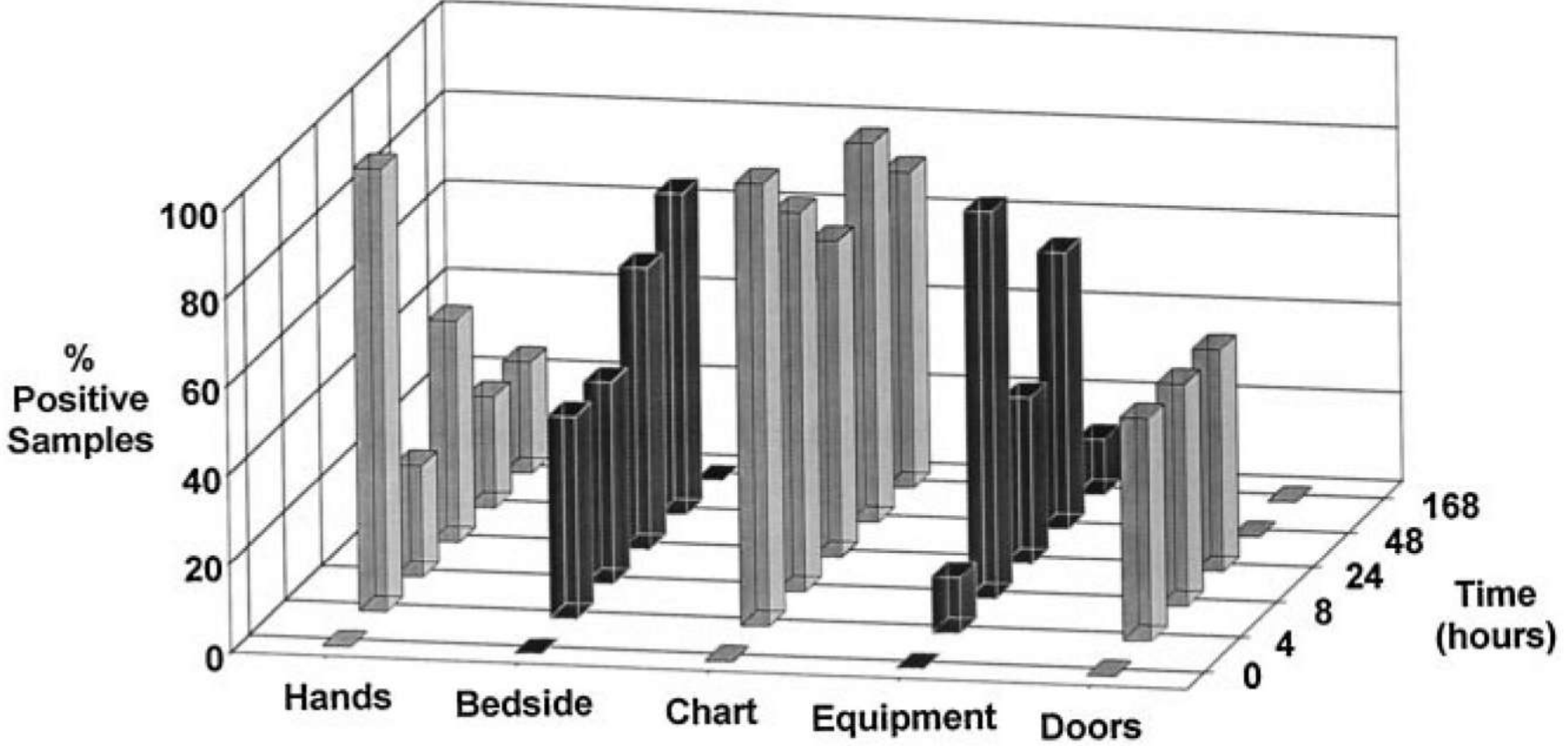




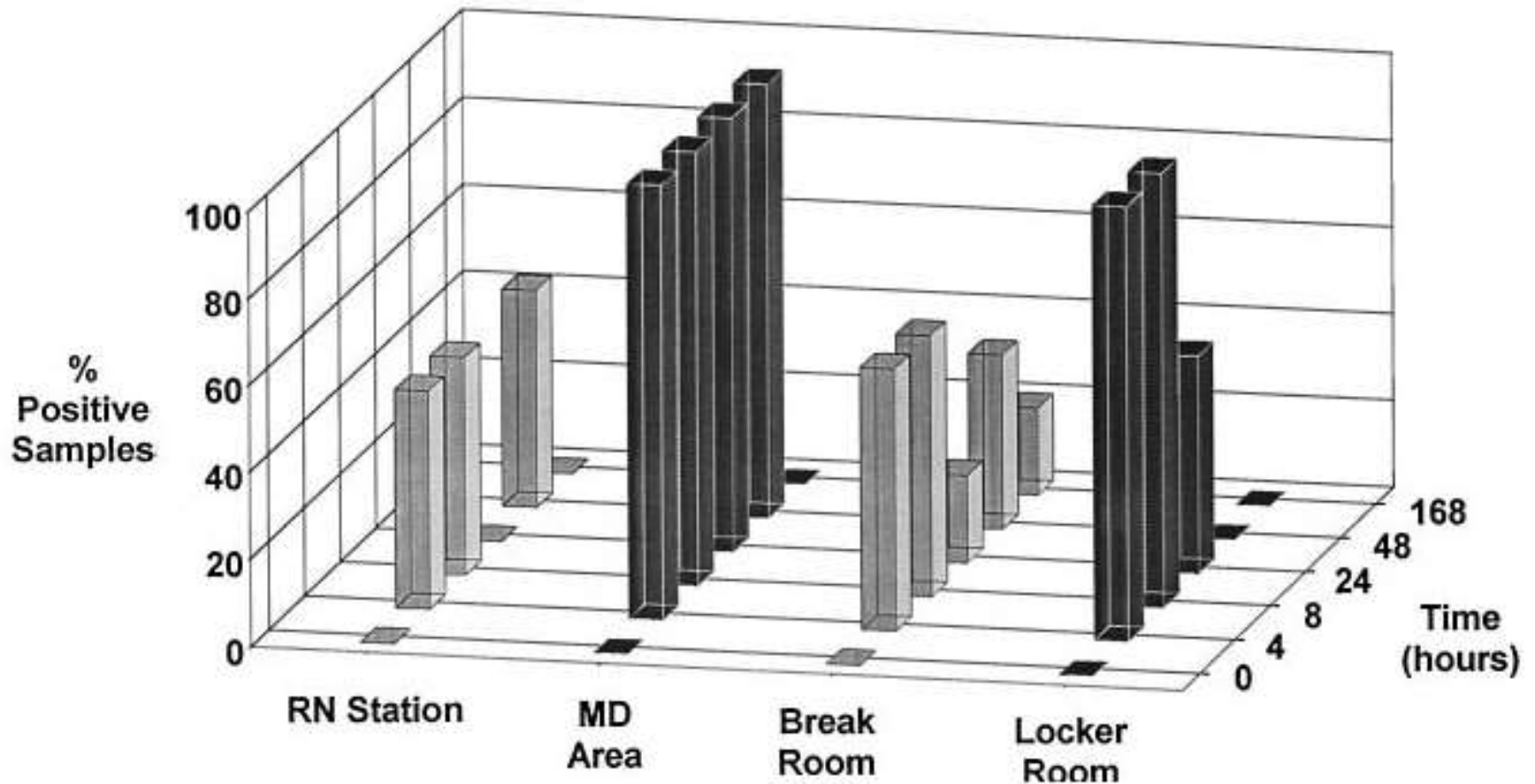
Transfer of a surrogate marker in a NICU



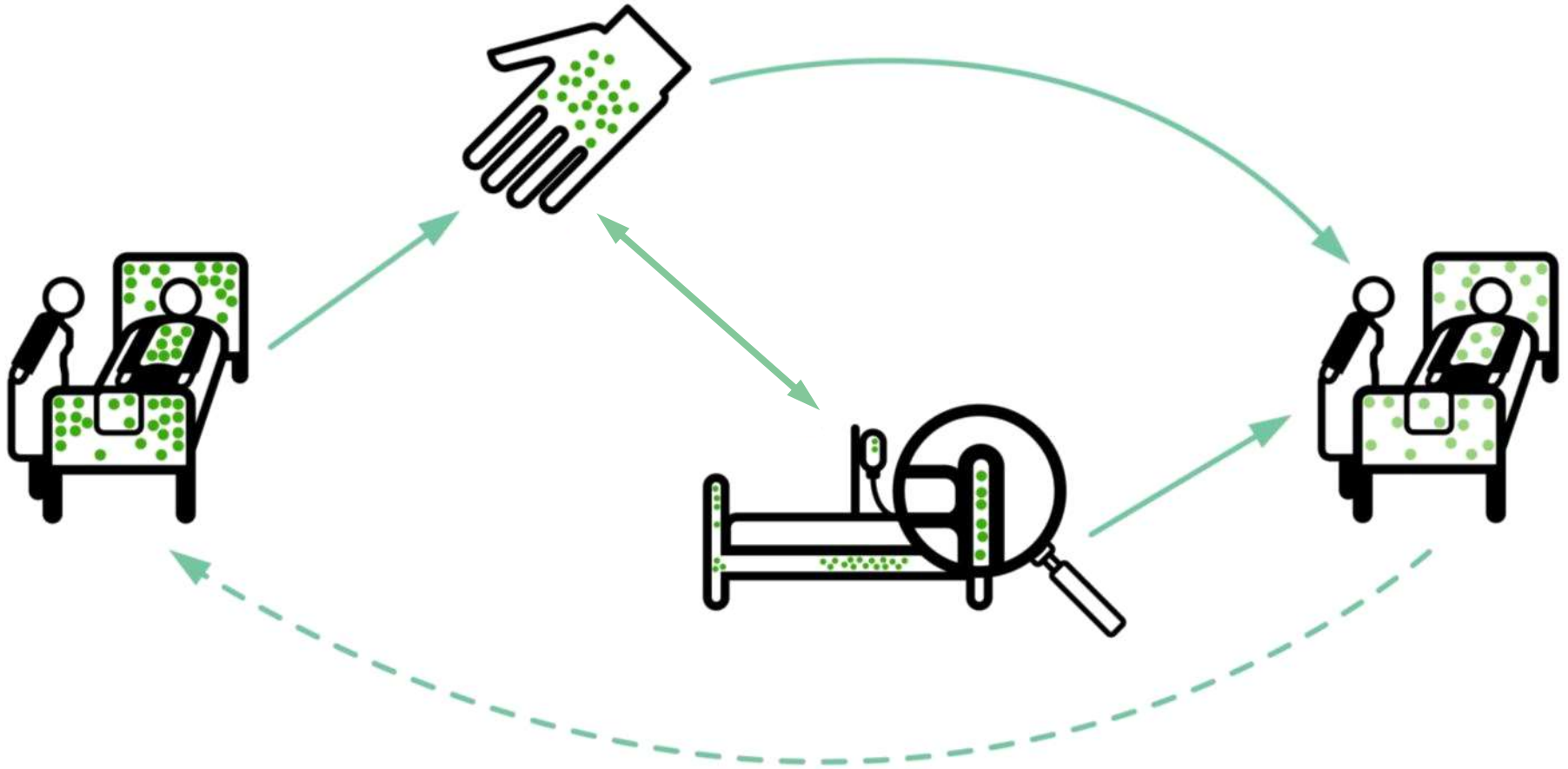
Transfer over time: inoculated pod



Transfer of a surrogate marker in a NICU



Transmission routes



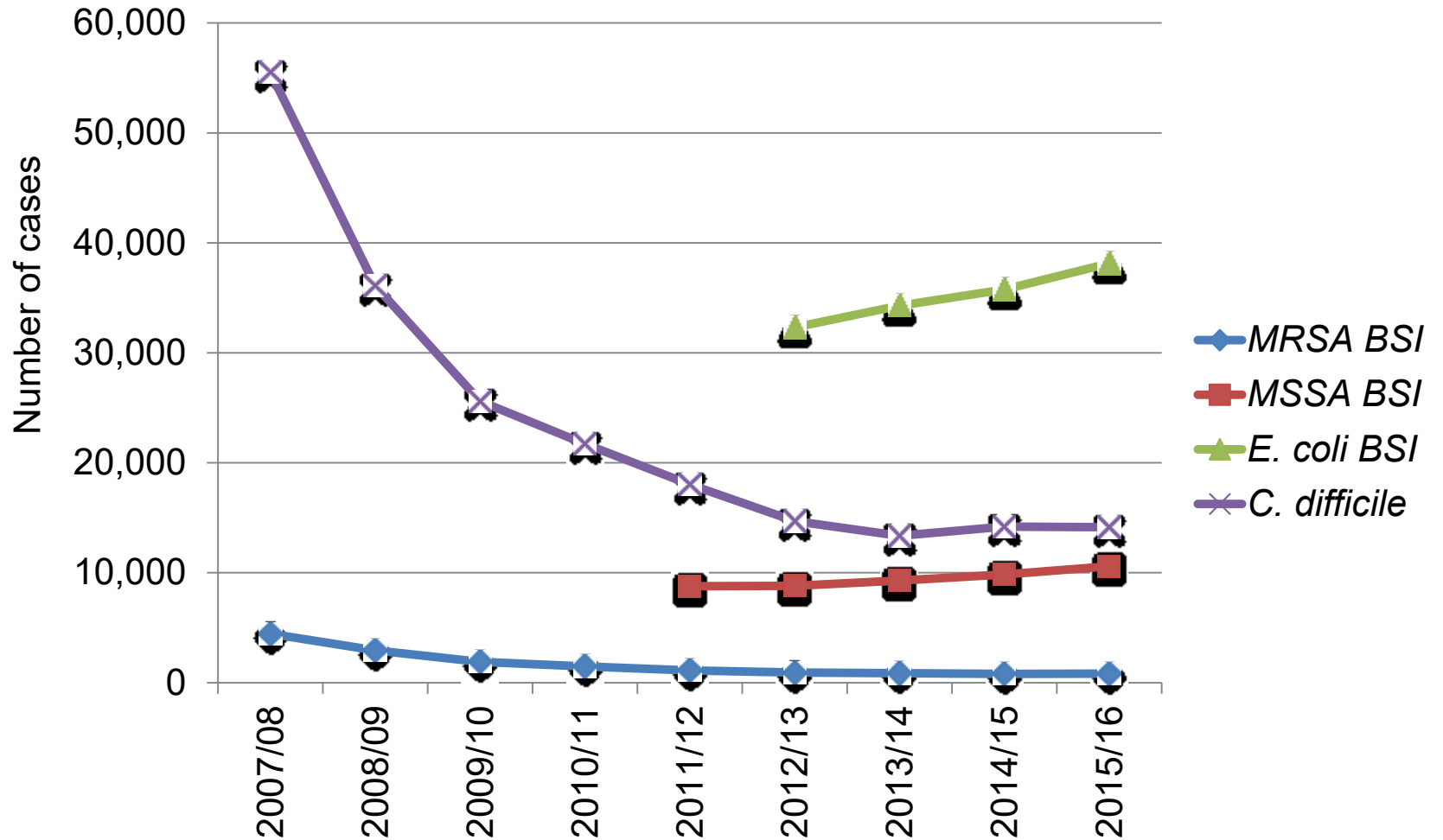
Improve existing procedures



Try something new!

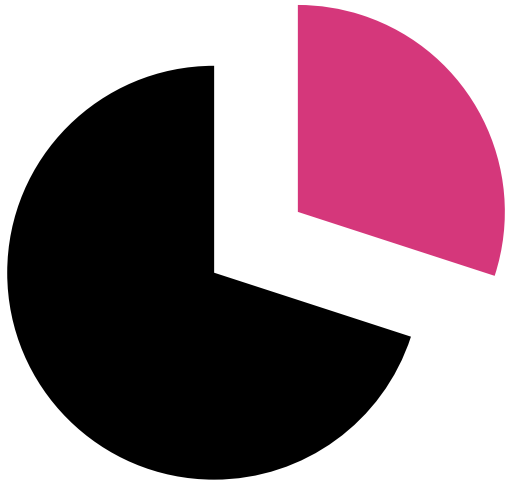


National trends



THE END OF
ANTIBIOTICS IS NIGH

Rising threat from MDR-GNR



% of all HAI caused by GNRs.



% of ICU HAI caused by GNRs.

Non-fermenters	<i>Acinetobacter baumannii</i> <i>Pseudomonas aeruginosa</i> <i>Stenotrophomonas maltophilia</i>	
Enterobacteriaceae	<i>Klebsiella pneumoniae</i> <i>Escherichia coli</i> <i>Enterobacter cloacae</i>	CPE

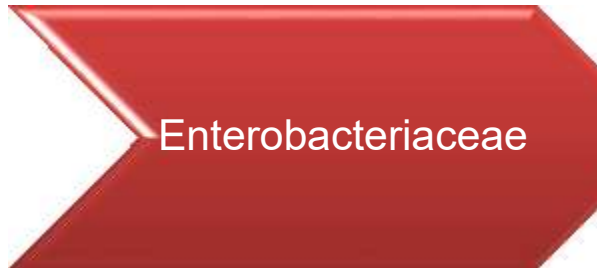
CPO

CPE

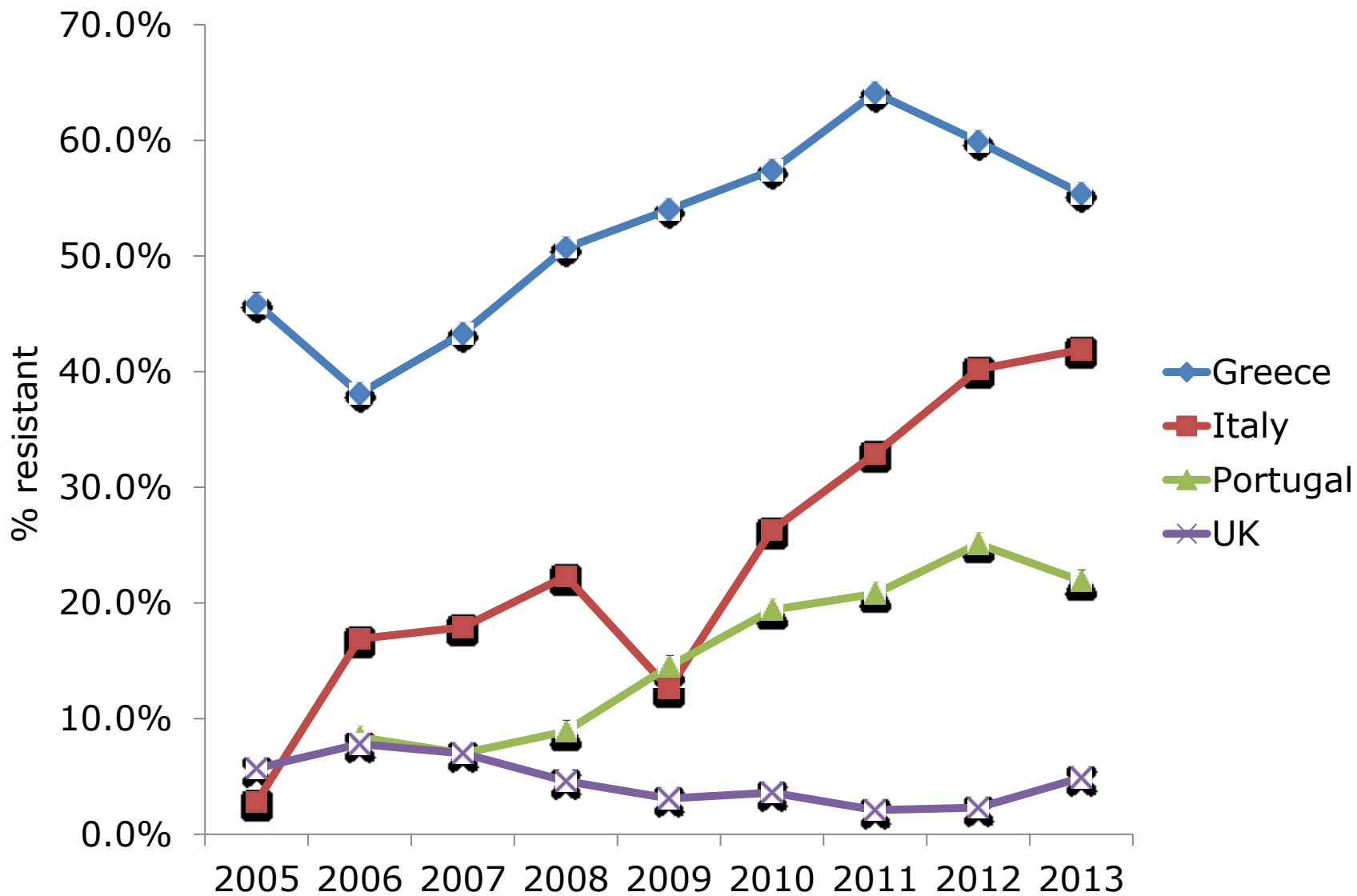
Creating a monster

Extended-spectrum
beta-lactams

Carbapenems

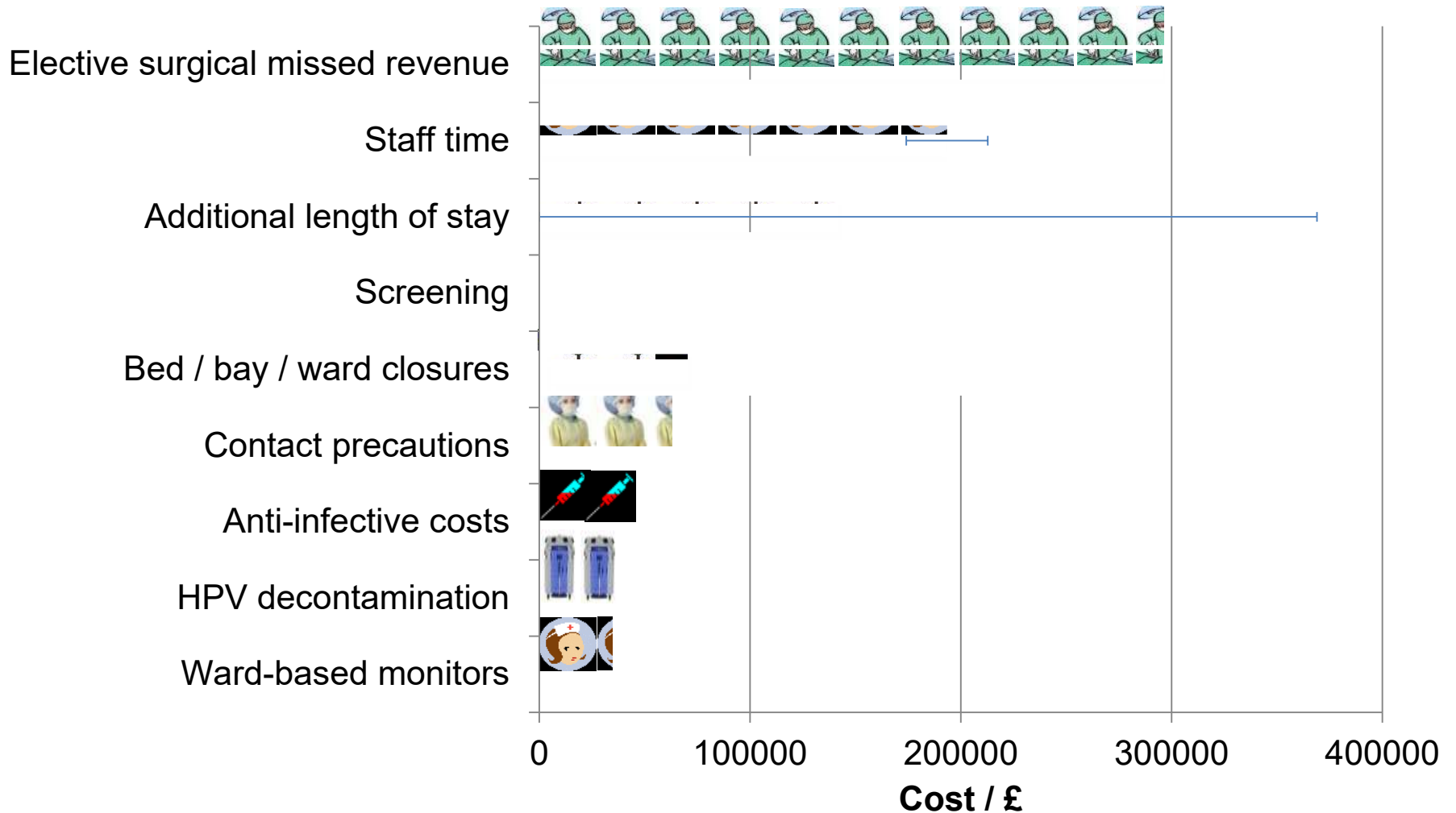


Invasive multidrug-resistant *K. pneumoniae*



Counting the cost of CPE

Economic evaluation of a 40 case outbreak of CPE. Error bars represent range



National trends

GNIRSI



Public Health
England

Protecting and improving the nation's health

**English surveillance programme for
antimicrobial utilisation and resistance
(ESPAUR)**



Review on
Antimicrobial
Resistance

Tackling drug-resistant infections globally

**Imperial College
London**

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