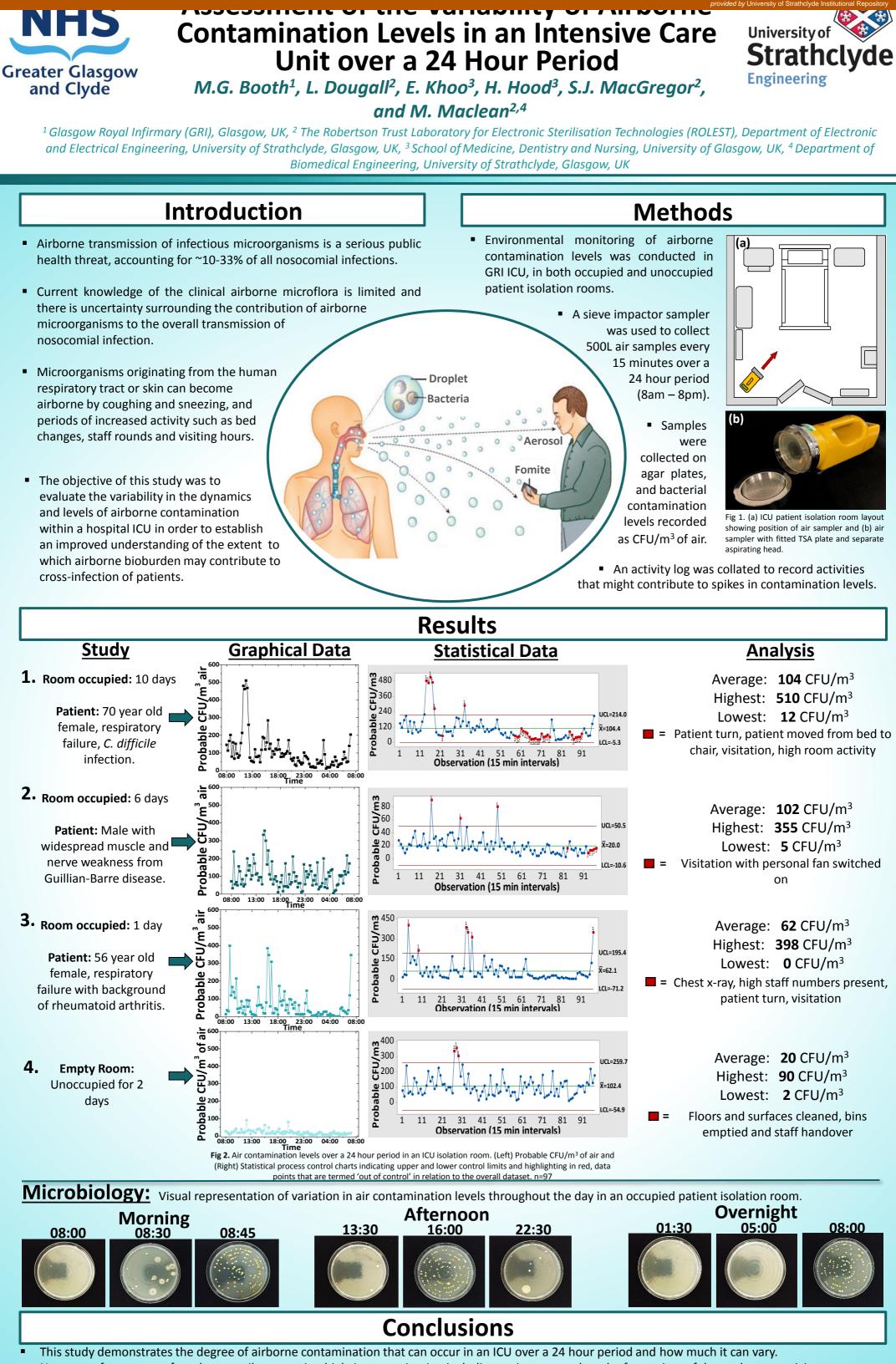
brought to you by TCORE



- Numerous factors were found to contribute to microbial air contamination including patient status, length of stay, time of day and room activity.
- Peaks in airborne contamination showed a direct relation to an increase in room activity.
- Contamination levels were lower overall during the night and in unoccupied isolation rooms, whilst the highest counts were observed in an isolation room occupied by a patient with *C. difficile* infection.

## **Future Work**

Consideration should be given to potential improved infection control strategies and decontamination technologies which could be deployed within the clinical environment to reduce the airborne contamination levels, with the ultimate aim of reducing healthcare-associated infections from environmental sources.

## Acknowledgements

The authors of this work wish to thank the staff and patients of Glasgow Royal Infirmary Intensive Care Unit for their patience and help throughout the duration of this study. LD is funded by an EPSRC doctoral training grant (Reference: EP/M508159/1).



OLEST e Robertson Trust Laborato Electronic Sterilisation chnologies