



Appendix 3

**This appendix was part of the submitted manuscript and has been peer reviewed.
It is posted as supplied by the authors.**

Appendix to: Harris P, Paterson D, Rogers B. Facing the challenge of multidrug-resistant gram-negative bacilli in Australia. *Med J Aust* 2015; 202: 243-246. doi: 10.5694/mja14.01257.

Appendix 3: Risk factors for colonization or infection with MDR Gram-negative bacteria

Risk factors	Comment
Prior antibiotic use within 3 months	Particularly prior use of quinolones, carbapenems or 3 rd generation cephalosporins; especially if prolonged
Residence in long-term care facility	Especially if dementia or incontinence
Travel to area with high rates of MDR Gram-negative bacteria	Healthcare exposure in these countries
Co-morbidities	Malignancy, organ transplant, diabetes mellitus, dialysis
Presence of medical devices	e.g. surgical drains
Extended hospital stay	Particularly with ICU admission
Exposure to other colonised patients	Including environmental contamination
Recent surgery	

Contribution of each variable will depend on patient population, bacterial species and resistance mechanism