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Consultancy

(Department of Foreign Affairs and Trade, MSD

Editor-in-Chief, Infection, Disease and Health



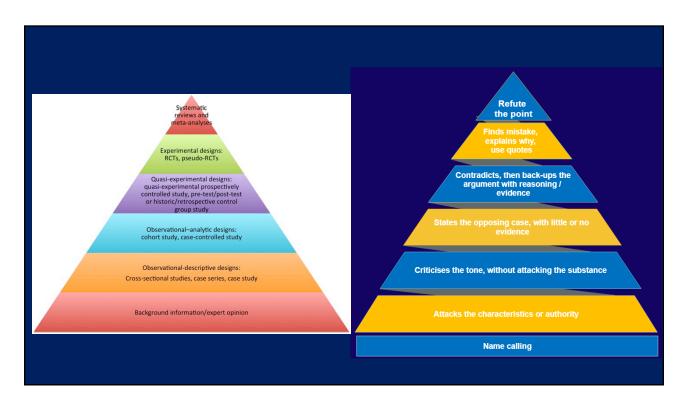


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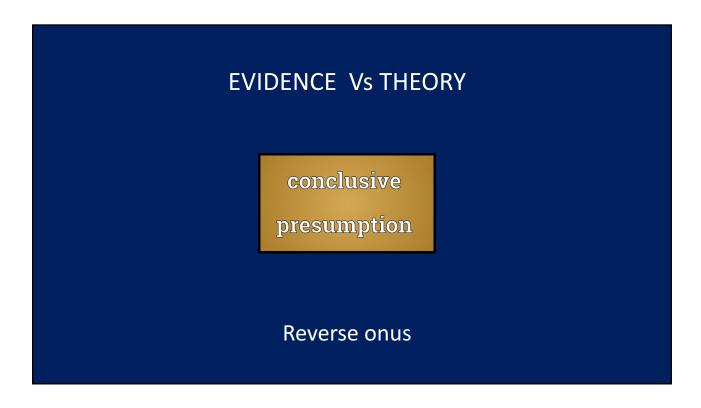


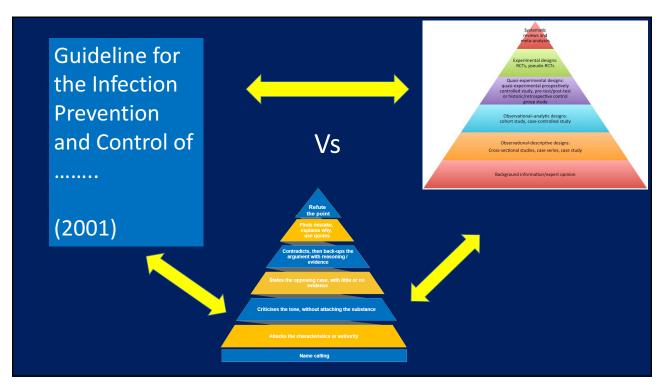
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# How are recommendations in guidelines developed?

 GRADE (Grading of Recommendations, Assessment, Development & Evaluations)



- Formulate recommendation
  - Quality of evidence
  - Benefits / harms
  - Preferences and bias
  - Resources

- Risk of bias
- Imprecision
- Inconsistency
- Indirectness
- Publication bias

Ever sense that there are guidelines and recommendation for lots of things?

Some are useful, some are not..

Confusing?

### Describe the diversity of professional and government sponsored infection prevention and control guidelines in past 10 years

- What is the breadth and diversity of recommendations?
- What is the strength of the evidence underpinning recommendations?
- What topics have the lowest and highest strength of recommendations?

### It seemed like a good idea...



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31 guidelines

1870 individual recommendations

22% used GRADE

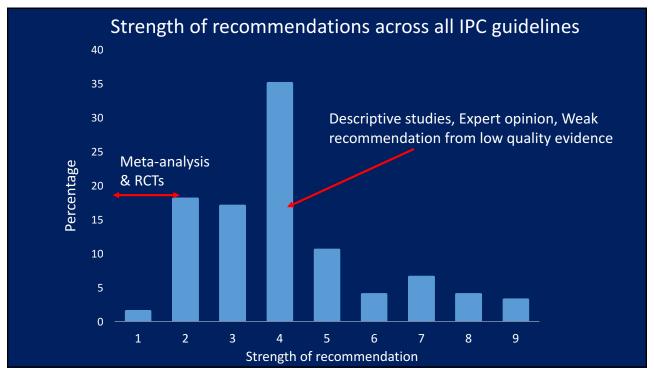
Mixture of processes to formulate recommendations

Strength of recommendations varied

GRADE (Recommend etc)
Strong to weak
A to D
1 to 5
Hybrid (e.g. Moderate BII)

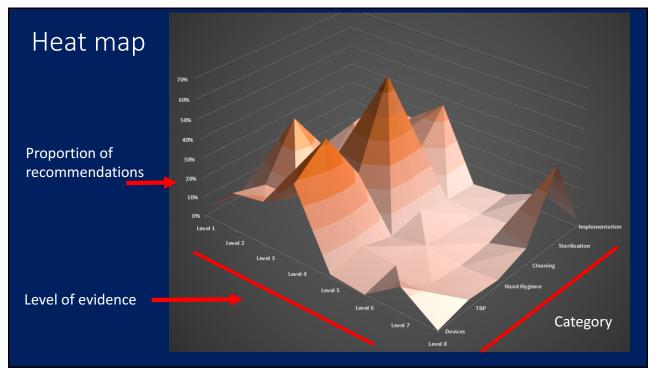
20+ different recommendation types

Synthesised category	Strength of evidence
Level 1	Meta-analyses, Systematic review of RCTs
Level 2	Well-designed RCTs, Strong recommendation from high quality evidence
Level 3	Well designed non-randomised studies including observational studies (case-control, cohort and cross- sectional), Moderate recommendation
Level 4	Descriptive studies, Expert opinion, Weak recommendation from low quality evidence
Level 5	Poor/insufficient evidence, Very low quality evidence
Level 6	Recommended best practice, Good practice point
Level 7	Unresolved issue, No recommendation
Level 8	Legislated requirement, OHS requirement

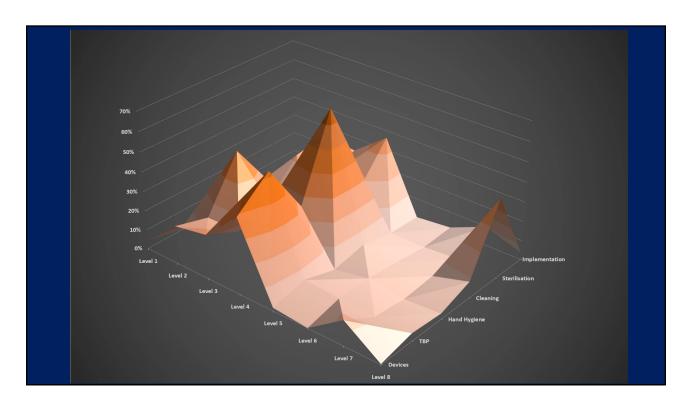


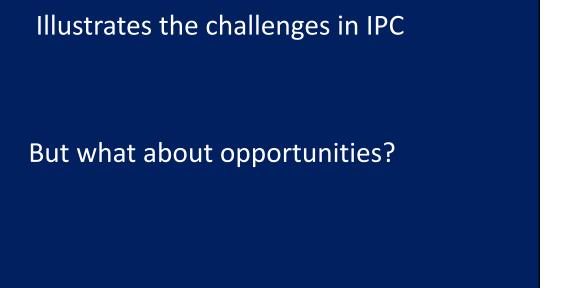
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•	ommendations
ssed on?	
Categories	n (%)
Devices	316 (16.9)
ТВР	315 (16.8)
Hand Hygiene	171 (9.1)
Cleaning	154 (8.2)
Sterilisation	150 (8.0)
Implementation	111 (5.9)
Education	89 (4.8)
Screening	89 (4.8)
Antimicrobial prophylaxis	69 (3.7)
Personnel	72 (3.9)



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Infection prevention and control gives us incredible opportunities

### Infection prevention and control opportunities

- Work in a variety of settings
- Work in multidisciplinary team
- We need to understand and work with clinical, behavioural and political factors

Gives us incredible skills if utilised can influence patient outcomes

### Infection prevention and control opportunities

- Clinical roles
- Infectious disease unit
- Infection prevention and control
- Lead Trust IPC service
- Public Health
  - State-wide level for IPC
  - Communicable disease
  - Health policy and strategy
- Teaching
- Research

### Infection prevention and control opportunities

- Not going to name the exact location
- New TB ward
- Many IPC issues
- Explored the incineration issue (against my personal views about waste being IPC issue)



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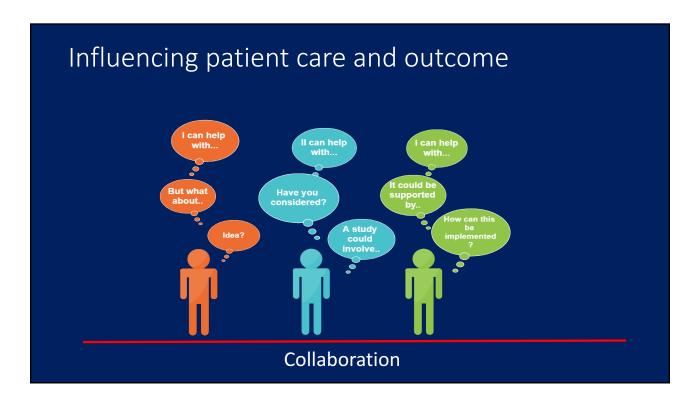
### Opportunities in IPC

Review of guidelines & the diversity of skills needed in IPC illustrates the enormous opportunity we have to improve practice and patient outcomes

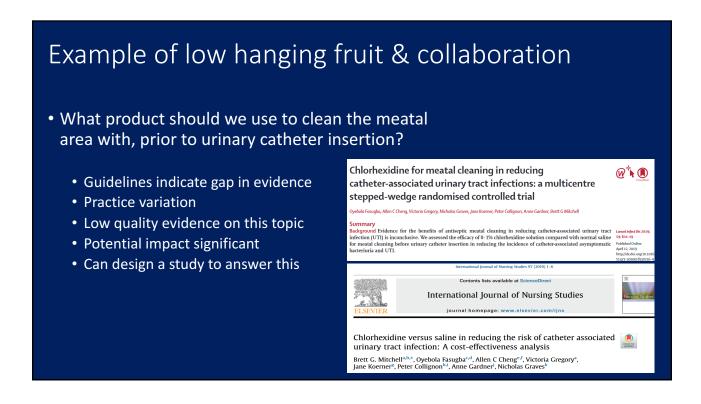


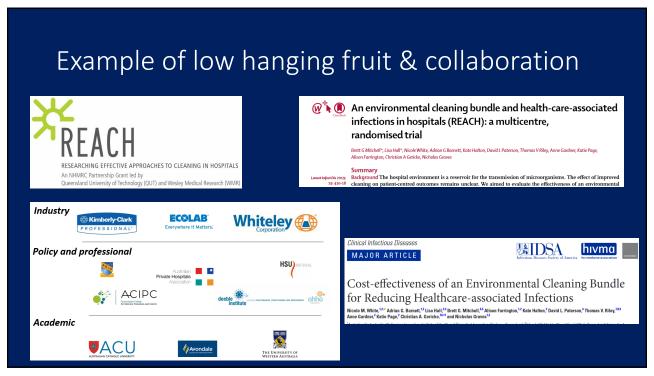


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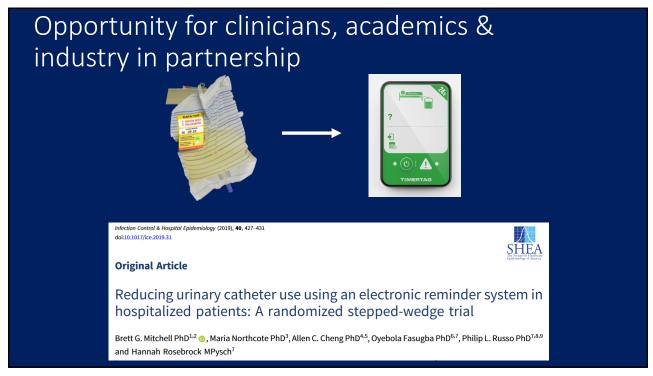






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We have challenges in IPC, they are real

Opportunities in IPC arise from our challenges

Utilise our unique skill set

Think about low hanging fruit .. biggest bang

Collaboration



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