

Eligibility criteria

	Inclusion	Exclusion
Population/setting	<p>Patients in inpatient hospitals or outpatient healthcare settings.</p> <p>Residents in long-term care setting.</p> <p>Any kind of healthcare professionals such as doctors, nurses, epidemiologists, microbiologists and nursing care home staff.</p>	<p>Non-healthcare professionals such as cleaning staff.</p> <p>Healthcare professionals in non-clinical setting such as class room or learning laboratory</p>
Intervention	<p>All infection prevention and control measures by ICT including ICLN system such as</p> <ul style="list-style-type: none"> – Formulating and revising policies/guidelines – Performing surveillance of HCAs – Training and educating healthcare professionals – Monitoring and auditing practices and standard of care – Liaising with other staff and departments <p>The intervention can be of any duration and frequency.</p>	<ul style="list-style-type: none"> – Outbreak management – Infection control measures for human immunodeficiency virus, tuberculosis and malaria
Comparison	Any intervention or usual care	
Outcome	<p>Patient-based/clinical outcomes</p> <p>1. Rate of HCAs</p>	Rate of antimicrobial prescription

	2. Death due to HCAs 3. Length of hospital stay Staff-based/behavioural outcomes 1. Compliance with infection control practices Additional outcomes 1. Cost of healthcare system or patients	
Study design	Randomised control trial (individual or cluster)	1. Intervention studies (experimental) without control groups 2. Intermittent time series 3. Observational studies (nonexperimental) 4. Cohort (retrospective and prospective) 5. Case control 6. Case series 7. Cross-sectional 8. Ecologic 9. Reviews 10. Expert opinion or consensus 11. Editorial letter 12. Guideline 13. Implementation 14. Commentary 15. Outbreak reports
Period	No limitation	
Language	English language only	