

Additional File 1. Questionnaire.

1. In which country are you currently working?

Please, choose from the list.

2. Which is your profession?

- | | | |
|---------------------------------|--------------------------|---|
| Epidemiologist | <input type="checkbox"/> | 1 |
| Infection control specialist | <input type="checkbox"/> | 2 |
| Infection diseases specialist | <input type="checkbox"/> | 3 |
| Intensivist or anesthesiologist | <input type="checkbox"/> | 4 |
| Microbiologist | <input type="checkbox"/> | 5 |
| Public Health specialist | <input type="checkbox"/> | 6 |
| Surgeon | <input type="checkbox"/> | 7 |
| Other profession _____ | <input type="checkbox"/> | 8 |

3. How many years of experience do you have?

- | | | |
|--------------------|--------------------------|---|
| Less than 5 years | <input type="checkbox"/> | 1 |
| 5 – 10 years | <input type="checkbox"/> | 2 |
| 11-15 years | <input type="checkbox"/> | 3 |
| 16 – 20 years | <input type="checkbox"/> | 4 |
| More than 20 years | <input type="checkbox"/> | 5 |

4. What type of hospital are you working in?

- | | | |
|-----------------------------|--------------------------|---|
| University Hospital | <input type="checkbox"/> | 1 |
| Community Hospital | <input type="checkbox"/> | 2 |
| Community teaching Hospital | <input type="checkbox"/> | 3 |
| Other _____ | <input type="checkbox"/> | 4 |

5. What is the setting of your hospital?

Urban ₁

Suburban ₂

Rural ₃

6. How many inpatient beds has the hospital where you practice the most of your time?

Less than 100 ₁

101-500 ₂

501-1000 ₃

More than 1000 ₄

7. Does your hospital have a multidisciplinary infection prevention and control (IPC) team?

Yes ₁

No ₃

8. Are you currently a member of the IPC team?

Yes ₁

No ₃

9. Which professionals does the IPC team include?

Emergency medicine specialist ₁

Epidemiologist ₂

Hospital Administrator ₃

Hospital pharmacist ₄

Hospital pharmacologist ₅

Infection control specialist ₆

Infection diseases specialist ₇

Intensivist or anesthesiologist ₈

Microbiologist	<input type="checkbox"/>	9
Nurse	<input type="checkbox"/>	10
Public Health specialist	<input type="checkbox"/>	11
Surgeon	<input type="checkbox"/>	12

10. Is there at least a surgeon with interest/skills in surgical infections in your surgical department of your hospital?

Yes	<input type="checkbox"/>	1
No	<input type="checkbox"/>	3

11. Does your hospital have hand wash dispensers of alcohol-based hand rub at the points of care?

Yes	<input type="checkbox"/>	1
Yes, but only in some wards	<input type="checkbox"/>	2
No	<input type="checkbox"/>	3

12. Does your hospital have local protocols focusing on prevention of specific healthcare-associated infections?

Yes	<input type="checkbox"/>	1
Yes, but only in some wards	<input type="checkbox"/>	2
No	<input type="checkbox"/>	3

13. Does your hospital have a protocol for surgical antibiotic prophylaxis?

Yes	<input type="checkbox"/>	1
Yes, but only in some wards	<input type="checkbox"/>	2
No	<input type="checkbox"/>	37

14. Does the protocol for surgical antibiotic prophylaxis consider interventions to discontinue prophylaxis in the post-operative period?

Yes	<input type="checkbox"/>	1
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Yes, but only in some wards ₂

No ₃

15. Does your hospital use alcohol-based solutions for surgical site preparation?

Yes ₁

Yes, but only in some wards ₂

No ₃

16. Does your hospital have a surveillance system for surgical site infections?

Yes ₁

Yes, but only in some wards ₂

No ₃

17. Does your hospital have a system for root cause analysis/review of surgical site infections?

Yes ₁

No ₃

18. Does your hospital have a multidisciplinary antimicrobial stewardship team (AST)?

Yes ₁

No ₃

19. Are you currently a member of the AST team?

Yes ₁

No ₃

20. Which professionals does the AST team include?

Emergency medicine specialist ₁

Epidemiologist ₂

Hospital Administrator	<input type="checkbox"/>	3
Hospital pharmacist	<input type="checkbox"/>	4
Hospital pharmacologist	<input type="checkbox"/>	5
Infection control specialist	<input type="checkbox"/>	6
Infection diseases specialist	<input type="checkbox"/>	7
Intensivist or anesthesiologist	<input type="checkbox"/>	8
Microbiologist	<input type="checkbox"/>	9
Nurse	<input type="checkbox"/>	10
Public Health specialist	<input type="checkbox"/>	11
Surgeon	<input type="checkbox"/>	12

21. Does your hospital have a protocol for antimicrobial therapy?

Yes 1

No 3

22. Does the protocol for antimicrobial treatment of surgical infections consider interventions to reduce the duration of therapy?

Yes 1

No 3

23. Does the protocol for antimicrobial treatment of surgical infections advocate for alternative dosing strategies based on pharmacokinetic/pharmacodynamic principles?

Yes 1

No 3

24. Does your hospital have systems for rapid laboratory testing?

Yes 1

No 3

25. Does your hospital perform a monitoring system of used antimicrobials?

Yes ₁

Yes, but only in some wards ₂

No ₃

26. Does your hospital periodically carry out systematic reports about resistance data?

Yes ₁

Yes, but only in some wards ₂

No ₃

27. Did your hospital carry out structural interventions finalized to improve antimicrobial stewardship programs and infection prevention and control programs in the last 5 years?

Yes ₁

No ₃

28. Does your hospital have a 24-hour CT scan for emergency cases?

Yes ₁

No ₃

29. Does your hospital have a 24-hour interventional radiology service for emergency cases?

Yes ₁

No ₃

30. Does your hospital have a dedicated operating room for emergency surgery?

Yes ₁

No ₃

31. Does your hospital have a surgical intensive care unit?

Yes ₁

No ₃

32. How much are basic infection control precautions respected in your hospital?

Please, rank from 10 (very respected) to 1 (very unrespected).

33. How much are basic antibiotic prescribing practices respected in your hospital?

Please, rank from 10 (very respected) to 1 (very unrespected).

34. How much are basic principles of source control respected in your hospital?

Please, rank from 10 (very respected) to 1 (very unrespected).

35. How much is teamwork culture important in your hospital?

Please, rank from 10 (very important) to 1 (very unimportant).

36. How much is patient safety culture important in your hospital?

Please, rank from 10 (very important) to 1 (very unimportant).

37. How much is evidence-based culture important in your hospital?

Please, rank from 10 (very important) to 1 (very unimportant).

38. How much are healthcare workers involved in infection risk in your hospital?

Please, rank from 10 (very involved) to 1 (very uninvolved).

39. How much are patients and families involved to help and support the journey to safer infections management in your hospital?

Please, rank from 10 (very involved) to 1 (very uninvolved).

40. How much does education of healthcare workers contribute to the design and delivery of safe systems for infections management in your hospital?

Please, rank from 10 (very important contribution) to 1 (very unimportant contribution).

41. How much does motivation of healthcare workers contribute to the design and delivery of safe systems for infections management in your hospital?

Please, rank from 10 (very important contribution) to 1 (very unimportant contribution).

42. How much is awareness of the global burden of antibiotic resistance widespread among healthcare workers in your hospital?

Please, rank from 10 (very aware) to 1 (very unaware).

43. How much has the COVID-19 pandemic raised your awareness of adequate infection prevention and control?

Please, rank from 10 (very important role) to 1 (very unimportant role).

44. How much has the COVID-19 pandemic raised your awareness of appropriate antibiotic prescribing practices?

Please, rank from 10 (very important role) to 1 (very unimportant role).