

CORE ELEMENT 1 : LEADERSHIP COMMITMENT

You will be asked to rate Core elements and Checklist items.

A Core element is a broad category of actions/a strategy within an AMS programme (e.g. Education), whereas checklist items describe specific actions/interventions within a specific Core element. Several checklist items are then listed under each Core element.

Please select all Core elements/Checklist items which you feel are essential worldwide and should be part of AMS programmes in all hospitals and in all countries.

You will also have the opportunity to suggest additional Core elements/Checklist items.

- * 1. Please specify your name (only to calculate a response rate, data analysis and reporting will be completely anonymised):

- * 2. Do you agree 'LEADERSHIP COMMITMENT' should be a Core element of hospital antimicrobial stewardship (AMS) programmes worldwide?

Yes

No

Please add any comment, explanation or suggestion (including rephrasing) you may have to improve this element (if you replied Yes) or to explain your choice not to include it (if you replied No):

- * 3. ***CHECKLIST ITEM : Does your facility have a formal, written statement of support from leadership that supports efforts to improve antimicrobial use (antimicrobial stewardship)?***

Do you agree this item should be included in the checklist (belonging to the 'Leadership commitment' Core element) since it is an essential item of hospital AMS programmes worldwide?

Yes

No

Please add any comment, explanation or suggestion (including rephrasing) you may have to improve this item (if you replied Yes) or to explain your choice not to include it (if you replied No):

* 4. *CHECKLIST ITEM: Is there dedicated, sustainable and sufficient budgeted financial support for antimicrobial stewardship activities (e.g., support for salary, training, or IT (information technology) support)?*

Do you agree this item should be included in the checklist (belonging to the 'Leadership commitment' Core element) since it is an essential item of hospital AMS programmes worldwide?

Yes

No

Please add any comment, explanation or suggestion (including rephrasing) you may have to improve this item (if you replied Yes) or to explain your choice not to include it (if you replied No):

* 5. *CHECKLIST ITEM: Does your facility provide any staffing standard to guide salary support and dedicated time for antimicrobial stewardship activities (e.g., number of full-time equivalent (FTE) per 100 beds for the different members of the antimicrobial stewardship team)?*

Do you agree this item should be included in the checklist (belonging to the 'Leadership commitment' Core element) since it is an essential item of hospital AMS programmes worldwide?

Yes

No

Please add any comment, explanation or suggestion (including rephrasing) you may have to improve this item (if you replied Yes) or to explain your choice not to include it (if you replied No):

6. Please indicate any additional item you think should be part of the checklist (belonging to the 'Leadership commitment' Core element) assessing hospital AMS programmes worldwide.

CORE ELEMENT 2 : ACCOUNTABILITY

* 7. Do you agree 'ACCOUNTABILITY' should be a Core element of hospital antimicrobial stewardship (AMS) programmes worldwide?

Yes

No

Please add any comment, explanation or suggestion (including rephrasing) you may have to improve this element (if you replied Yes) or to explain your choice not to include it (if you replied No):

* 8. *CHECKLIST ITEM: Does your facility have a formal/written antimicrobial stewardship programme/strategy accountable for ensuring appropriate antimicrobial use?*

Do you agree this item should be included in the checklist (belonging to the 'Accountability' Core element) since it is an essential item of hospital AMS programmes worldwide?

Yes

No

Please add any comment, explanation or suggestion (including rephrasing) you may have to improve this item (if you replied Yes) or to explain your choice not to include it (if you replied No):

* 9. *CHECKLIST ITEM: Does your facility have a formal organizational multidisciplinary structure responsible for antimicrobial stewardship (e.g., a committee focused on appropriate antimicrobial use, pharmacy committee, patient safety committee or other relevant structure)?*

Do you agree this item should be included in the checklist (belonging to the 'Accountability' Core element) since it is an essential item of hospital AMS programmes worldwide?

Yes

No

Please add any comment, explanation or suggestion (including rephrasing) you may have to improve this item (if you replied Yes) or to explain your choice not to include it (if you replied No):

* 10. *CHECKLIST ITEM: Is there a healthcare professional identified as a leader for antimicrobial stewardship activities at your facility and responsible for implementing the programme?*

Do you agree this item should be included in the checklist (belonging to the 'Accountability' Core element) since it is an essential item of hospital AMS programmes worldwide?

Yes

No

Please add any comment, explanation or suggestion (including rephrasing) you may have to improve this item (if you replied Yes) or to explain your choice not to include it (if you replied No):

* 11. **CHECKLIST ITEM:** *Is there a document clearly defining roles, procedures of collaboration and responsibilities of the antimicrobial stewardship team members?*

Do you agree this item should be included in the checklist (belonging to the 'Accountability' Core element) since it is an essential item of hospital AMS programmes worldwide?

Yes

No

Please add any comment, explanation or suggestion (including rephrasing) you may have to improve this item (if you replied Yes) or to explain your choice not to include it (if you replied No):

* 12. **CHECKLIST ITEM:** *Is an annual report focused on antimicrobial stewardship (summary antimicrobial use and/or practices improvement initiatives, with short term and long term goals for improving antimicrobial use) produced for your facility?*

Do you agree this item should be included in the checklist (belonging to the 'Accountability' Core element) since it is an essential item of hospital AMS programmes worldwide?

Yes

No

Please add any comment, explanation or suggestion (including rephrasing) you may have to improve this item (if you replied Yes) or to explain your choice not to include it (if you replied No):

* 13. *CHECKLIST ITEM: Is there a document clearly defining the procedures of collaboration of the antimicrobial stewardship team/committee with the infection prevention and control team/committee?*

Do you agree this item should be included in the checklist (belonging to the 'Accountability' Core element) since it is an essential item of hospital AMS programmes worldwide?

Yes

No

Please add any comment, explanation or suggestion (including rephrasing) you may have to improve this element (if you replied Yes) or to explain your choice not to include it (if you replied No):

14. Please indicate any additional item you think should be part of the checklist (belonging to the 'Accountability' Core element) assessing hospital AMS programmes worldwide.

CORE ELEMENT 3 : DRUG AND INFECTION MANAGEMENT EXPERTISE

* 15. Do you agree 'DRUG AND INFECTION MANAGEMENT EXPERTISE' should be a Core element of hospital AMS programmes worldwide?

Yes

No

Please add any comment, explanation or suggestion (including rephrasing) you may have to improve this element (if you replied Yes) or to explain your choice not to include it (if you replied No):

* 16. *CHECKLIST ITEM: Do you have enough laboratory/imaging capacity to be able to diagnose the most common infections at your facility?*

Do you agree this item should be included in the checklist (belonging to the 'Drug and infection management expertise' Core element) since it is an essential item of hospital AMS programmes worldwide?

Yes

No

Please add any comment, explanation or suggestion (including rephrasing) you may have to improve this item (if you replied Yes) or to explain your choice not to include it (if you replied No):

* 17. *CHECKLIST ITEM: Are there enough healthcare professionals (medical doctor, pharmacist, nurse...) adequately trained and experienced in infection management (diagnosis, prevention and treatment), antimicrobial prescribing and stewardship at your facility? (for them to constitute an antimicrobial stewardship team)*

Do you agree this item should be included in the checklist (belonging to the 'Drug and infection management expertise' Core element) since it is an essential item of hospital AMS programmes worldwide?

Yes

No

Please add any comment, explanation or suggestion (including rephrasing) you may have to improve this item (if you replied Yes) or to explain your choice not to include it (if you replied No):

18. Please indicate any additional item you think should be part of the checklist (belonging to the 'Drug and infection expertise' Core element) assessing hospital AMS programmes worldwide.

CORE ELEMENT 4: EDUCATION

* 19. Do you agree 'EDUCATION' should be a core element of hospital AMS programmes worldwide?

Yes

No

Please add any comment, explanation or suggestion (including rephrasing) you may have to improve this element (if you replied Yes) or to explain your choice not to include it (if you replied No):

* 20. *CHECKLIST ITEM: Does your stewardship programme provide education to clinicians and other relevant staff on improving antibiotic prescribing?*

Do you agree this item should be included in the checklist (belonging to the 'Education' Core element) since it is an essential item of hospital AMS programmes worldwide?

Yes

No

Please add any comment, explanation or suggestion (including rephrasing) you may have to improve this item (if you replied Yes) or to explain your choice not to include it (if you replied No):

* 21. *CHECKLIST ITEM: Do the antimicrobial stewardship team members receive regular training in antimicrobial prescribing and stewardship?*

Do you agree this item should be included in the checklist (belonging to the 'Education' Core element) since it is an essential item of hospital AMS programmes worldwide?

Yes

No

Please add any comment, explanation or suggestion (including rephrasing) you may have to improve this item (if you replied Yes) or to explain your choice not to include it (if you replied No):

22. Please indicate any additional item you think should be part of the checklist (belonging to the 'Education' Core element) assessing hospital AMS programmes worldwide.

CORE ELEMENT 5 : ACTIONS (other than Education) AIMING AT RESPONSIBLE ANTIMICROBIAL USE

* 23. Do you agree 'ACTIONS (other than Education) AIMING AT RESPONSIBLE ANTIMICROBIAL USE' should be a core element of hospital AMS programmes worldwide?

Yes

No

Please add any comment, explanation or suggestion (including rephrasing) you may have to improve this element (if you replied Yes) or to explain your choice not to include it (if you replied No):

* 24. *CHECKLIST ITEM: Is a multidisciplinary antimicrobial stewardship team available at your facility (e.g., greater than one trained staff member supporting clinical decisions to ensure appropriate antimicrobial use)?*

Do you agree this item should be included in the checklist (belonging to the 'Other actions aiming at responsible antimicrobial use' Core element) since it is an essential item of hospital AMS programmes worldwide?

Yes

No

Please add any comment, explanation or suggestion (including rephrasing) you may have to improve this item (if you replied Yes) or to explain your choice not to include it (if you replied No):

*** 25. CHECKLIST ITEM: Does your facility have the IT capability to support the needs of the antimicrobial stewardship activities?**

Do you agree this item should be included in the checklist (belonging to the 'Other actions aiming at responsible antimicrobial use' Core element) since it is an essential item of hospital AMS programmes worldwide?

Yes

No

Please add any comment, explanation or suggestion (including rephrasing) you may have to improve this item (if you replied Yes) or to explain your choice not to include it (if you replied No):

*** 26. CHECKLIST ITEM: Does your facility have an antimicrobial formulary (i.e. a list of antimicrobials that have been approved for use in a hospital, specifying whether the drugs are unrestricted, restricted (approval of an antimicrobial stewardship team member is required) or permitted for specific conditions)?**

Do you agree this item should be included in the checklist (belonging to the 'Other actions aiming at responsible antimicrobial use' Core element) since it is an essential item of hospital AMS programmes worldwide?

Yes

No

Please add any comment, explanation or suggestion (including rephrasing) you may have to improve this item (if you replied Yes) or to explain your choice not to include it (if you replied No):

** 27. CHECKLIST ITEM: Does your facility have available and upto date recommendations for infection management (diagnosis, prevention and treatment), based on international/national evidence-based guidelines and local susceptibility (when possible), to assist with antibiotic selection (indication, agent, dose, route, duration) for common clinical conditions?*

Do you agree this item should be included in the checklist (belonging to the 'Other actions aiming at responsible antimicrobial use' Core element) since it is an essential item of hospital AMS programmes worldwide?

Yes

No

Please add any comment, explanation or suggestion (including rephrasing) you may have to improve this item (if you replied Yes) or to explain your choice not to include it (if you replied No):

** 28. CHECKLIST ITEM: Is there a policy for providing information on antimicrobials to patients?*

Do you agree this item should be included in the checklist (belonging to the 'Other actions aiming at responsible antimicrobial use' Core element) since it is an essential item of hospital AMS programmes worldwide?

Yes

No

Please add any comment, explanation or suggestion (including rephrasing) to improve this item (if you replied Yes) or to explain your choice not to include it (if you replied No):

* 29. *CHECKLIST ITEM: Does your facility have a written policy that requires prescribers to document an antibiotic plan (includes indication, name, dosage, duration, route and interval of administration) in the medical record or during order entry for all antimicrobial prescriptions?*

Do you agree this item should be included in the checklist (belonging to the 'Other actions aiming at responsible antimicrobial use' Core element) since it is an essential item of hospital AMS programmes worldwide?

Yes

No

Please add any comment, explanation or suggestion (including rephrasing) you may have to improve this item (if you replied Yes) or to explain your choice not to include it (if you replied No):

* 30. *CHECKLIST ITEM: Does the antimicrobial stewardship team review/audit courses of therapy for specified antibiotic agents or clinical conditions at your facility?*

Do you agree this item should be included in the checklist (belonging to the 'Other actions aiming at responsible antimicrobial use' Core element) since it is an essential item of hospital AMS programmes worldwide?

Yes

No

Please add any comment, explanation or suggestion (including rephrasing) you may have to improve this item (if you replied Yes) or to explain your choice not to include it (if you replied No):

* 31. *CHECKLIST ITEM: Is advice from antimicrobial stewardship team members easily available to prescribers by phone?*

Do you agree this item should be included in the checklist (belonging to the 'Other actions aiming at responsible antimicrobial use' Core element) since it is an essential item of hospital AMS programmes worldwide?

Yes

No

Please add any comment, explanation or suggestion (including rephrasing) you may have to improve this item (if you replied Yes) or to explain your choice not to include it (if you replied No):

* 32. *CHECKLIST ITEM: Are there regular ward rounds by antimicrobial stewardship team members in certain departments?*

Do you agree this item should be included in the checklist (belonging to the 'Other actions aiming at responsible antimicrobial use' Core element) since it is an essential item of hospital AMS programmes worldwide?

Yes

No

Please add any comment, explanation or suggestion (including rephrasing) you may have to improve this item (if you replied Yes) or to explain your choice not to include it (if you replied No):

33. Please indicate any additional item you think should be part of the checklist (belonging to the 'Other actions aiming at responsible antimicrobial use' Core element) assessing hospital AMS programmes worldwide.

CORE ELEMENT 6: MONITORING (on an ongoing basis)

* 34. Do you agree 'MONITORING' should be a Core element of hospital AMS programmes worldwide?

Yes

No

Please add any comment, explanation or suggestion (including rephrasing) you may have to improve this element (if you replied Yes) or to explain your choice not to include it (if you replied No):

* 35. *CHECKLIST ITEM: Does your stewardship programme monitor adherence to one or more of treatment recommendations (e.g. choice and duration of antibiotic therapy in pneumonia or surgical prophylaxis)?*

Do you agree this item should be included in the checklist (belonging to the 'Monitoring' Core element) since it is an essential item of hospital AMS programmes worldwide?

Yes

No

Please add any comment, explanation or suggestion (including rephrasing) you may have to improve this item (if you replied Yes) or to explain your choice not to include it (if you replied No):

* 36. **CHECKLIST ITEM:** *Does your stewardship programme monitor compliance with one or more of the specific interventions put in place by the stewardship team (e.g. indication captured in the medical record for all antimicrobial prescriptions)?*

Do you agree this item should be included in the checklist (belonging to the 'Monitoring' Core element) since it is an essential item of hospital AMS programmes worldwide?

Yes

No

Please add any comment, explanation or suggestion (including rephrasing) you may have to improve this item (if you replied Yes) or to explain your choice not to include it (if you replied No):

* 37. **CHECKLIST ITEM:** *Does your facility monitor antibiotic susceptibility rates for a range of common bacteria?*

Do you agree this item should be included in the checklist (belonging to the 'Monitoring' Core element) since it is an essential item of hospital AMS programmes worldwide?

Yes

No

Please add any comment, explanation or suggestion (including rephrasing) you may have to improve this item (if you replied Yes) or to explain your choice not to include it (if you replied No):

* 38. *CHECKLIST ITEM: Does your facility monitor antibiotic use (consumption) at the unit and/or facility wide level?*

Do you agree this item should be included in the checklist (belonging to the 'Monitoring' Core element) since it is an essential item of hospital AMS programmes worldwide?

Yes

No

Please add any comment, explanation or suggestion (including rephrasing) you may have to improve this element (if you replied Yes) or to explain your choice not to include it (if you replied No):

39. Please indicate any additional item you think should be part of the checklist (belonging to the 'Monitoring' Core element) assessing hospital AMS programmes worldwide.

CORE ELEMENT 7: REPORTING (on an ongoing basis)

* 40. Do you agree 'REPORTING' should be a Core element of hospital AMS programmes worldwide?

Yes

No

Please add any comment, explanation or suggestion (including rephrasing) you may have to improve this element (if you replied Yes) or to explain your choice not to include it (if you replied No):

* 41. *CHECKLIST ITEM: Does your stewardship programme share facility-specific reports on antibiotic use (consumption) with prescribers?*

Do you agree this item should be included in the checklist (belonging to the 'Reporting' Core element) since it is an essential item of hospital AMS programmes worldwide?

Yes

No

Please add any comment, explanation or suggestion (including rephrasing) you may have to improve this item (if you replied Yes) or to explain your choice not to include it (if you replied No):

* 42. *CHECKLIST ITEM: Does your stewardship programme share facility-specific reports on antibiotic susceptibility rates with prescribers?*

Do you agree this item should be included in the checklist (belonging to the 'Reporting' Core element) since it is an essential item of hospital AMS programmes worldwide?

Yes

No

Please add any comment, explanation or suggestion (including rephrasing) you may have to improve this item (if you replied Yes) or to explain your choice not to include it (if you replied No):

* 43. *CHECKLIST ITEM: Are results of antimicrobial audits or reviews communicated directly with prescribers?*

Do you agree this item should be included in the checklist (belonging to the 'Reporting' Core element) since it is an essential item of hospital AMS programmes worldwide?

Yes

No

Please add any comment, explanation or suggestion (including rephrasing) you may have to improve this item (if you replied Yes) or to explain your choice not to include it (if you replied No):

44. Please indicate any additional item you think should be part of the checklist (belonging to the 'Reporting' Core element) assessing hospital AMS programmes worldwide.

45. Please indicate any additional element(s) you think should be part of the core elements of hospital AMS programmes worldwide.

46. Please indicate any additional item(s) you think should be part of the checklist of hospital AMS programmes worldwide.