Evaluation of the national surveillance system for point-prevalence of healthcare-associated infections in Norway, 2002-2008

Questionnaire of the survey among infection control practitioners in hospitals [translation of the original Norwegian document]

1. Name
2. Telephone number
3. E-mail
4. Position
   - Infection control doctor
   - Infection control nurse
   - Other, specify: _________
5. Name of health authority
6. Name of hospital
7. County
8. Total number of somatic beds
   - <100
   - 100-199
   - 200-399
   - >400
9. Did your institution participate in the following national prevalence surveys?
   - 2002  Both in spring and autumn – only in spring – only in autumn – neither – don’t know
   - 2003  **
   - 2004  **
   - 2005  **
   - 2006  **
   ⇒ If no complete participation in 2006
10. Why did not your institution participate in both surveys in 2006? multiple choice
    - Experienced technical problems
    - Have not received information on the survey day
    - Lack of personnel
    - No resources to prioritise the surveys
    - Saw no use of doing it
    - Other surveillance method is used (eg. incidence)
    - Don’t know
    - Other, specify: ____________________
11. Did your institution participate in the prevalence survey in spring 2007?
    - Yes
    - No
    - Don’t know
    ⇒ If no participation in spring 2007
12. Why did not your institution participate in spring 2007? multiple choice
    - Experienced technical problems
    - Have not received information on the survey day
    - Lack of personnel
    - No resources to prioritise the surveys
    - Saw no use of doing it
    - Other surveillance method is used (eg. incidence)
    - Don’t know
    - Other, specify: ____________________
13. Have your institution organised prevalence surveys in addition to the two national ones in 2006?
   Yes
   No
   Don’t know

   \( \Rightarrow \) If Yes
14. How many prevalence surveys were organised in addition to the two national ones: ______

15. Do you conduct the prevalence surveys on the day of the national ones?
   Yes
   No
   Don’t know
   Other, specify: ____________________________

16. How do you get information on the national prevalence surveys? *multiple choice*
   MSIS-rapport (Bi-weekly communicable disease newsletter of NIPH)
   Via NIPH’s website
   Via e-mail from NIPH
   Other, specify: ____________________________

17. Do you think that the national prevalence protocol clear and simple regarding the
   Aim of registration – Very unclear – A little unclear – Quite clear – Very clear – Don’t know
   What should be registered
   **
   Definition of nosocomial infection
   **
   Definitions of the four nosocomial infections that should be registered
   **
   Procedure of the survey
   **
   The registration form to each ward
   **
   The summary registration form
   **
   Reporting the results to NIPH
   **
   Presentation of results
   **

18. Are there any information you miss in the protocol or do you have other comments?:
   __________________________________________

19. Do you distribute the surveillance case definitions to the wards before/on the day of the survey?
   Yes, the definitions in the national protocol
   Yes, other definitions
   No
   Don’t know
   Other, specify: ____________________________

   \( \Rightarrow \) If Yes
20. How do you distribute the definitions to the wards?
   Paper-based version together with the registration form
   Electronically (e.g. through intranet)
   Don’t know
   Other, specify: ____________________________

21. Do you think that the definitions in the national protocol are easy to understand?
   Urinary tract infection – Yes – No – Don’t know
   Lower resp. tract infection
   **
   Superfic. surgical site inf.
   **
   Deep surgical site inf.
   **
   Sepsis
   **

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22. Do you think that the definitions correctly identify patients who have infection?
   - Urinary tract infection
     - Yes
     - No
     - too restrictive
     - No
     - too broad
     - Don’t know
   - Lower resp. tract infection
     - **
   - Superfic. surgical site inf.
     - **
   - Deep surgical site inf.
     - **
   - Sepsis
     - **

23. Do you distribute the national registration form to the wards?
   - Yes, without alterations
   - Yes, with some alterations
   - No, we use our own form
   - Don’t know

24. Which infections are registered during the prevalence surveys at your institution?
   - Only the four types of nosocomial infection that are required in the national protocol
   - All types of nosocomial infections
   - All infections (Both community- and hospital-acquired)
   - Don’t know
   → If only the four types required are registered

25. Do you want/plan to register more types of infection?
   - Yes
   - No
   - Don’t know
   → If Yes

26. Which infections do you want/plan to register in addition?: ____________________

27. Do you extend the registration to other variables for local use (eg. presence of urinary catheter)?
   - Yes
   - No
   - Don’t know

28. Who collect the data during the prevalence surveys at your institution?
   - Only doctors
   - Only nurses
   - Nurse does the data collection and doctor approves the results
   - Infection control personnel
   - Don’t know
   - Other, specify: ____________________

29. Which patients are included in the prevalence data you send to NIPH?
   - Total number of patients registered at the wards on the day of the survey
   - Only in-patients on the day of the survey
   - Only patients with at least 48 hours stay in the hospital
   - Don’t know
   - Other, specify: ____________________

30. Do you check the quality of data before sending it to NIPH?
   - Yes
   - No
   - Don’t know
   → If Yes

31. What method do you use to quality check the prevalence data?: ____________________

32. Do you provide some form of training to the ward personnel involved in the data collection?
   - Yes
   - No
   - Don’t know
33. Do you feed back results to the individual wards? *multiple choice*
   - Yes, through intranet
   - Yes, in written report
   - Yes, in internal journal
   - Yes, through personal contact
   - No
   - Don’t know
   - Other, specify: ____________________

34. Which reporting method did you use during the last national survey?
   - Electronic surveillance tool on www.fhi.no
   - Summary form (paper version) sent by post
   - Summary form sent by e-mail
   - Don’t know
   - Other, specify: ____________________

35. Do you think that the reporting is easier with the electronic surveillance tool?
   - Yes
   - No
   - Don’t know

36. Have you experienced technical problems with the electronic surveillance tool?
   - Yes
   - No
   - Don’t remember

37. Have you used the new (version spring 2007) electronic reporting function in the surveillance tool?
   - Yes
   - No
   - Don’t know

38. Have you used the data of the national biannual reports published on www.fhi.no in the MSIS reports?
   - Yes, for internal statistics, infection control report for the hospital
   - Yes, for training
   - Yes, for external, internal presentations
   - No
   - Don’t know
   - Other, specify: ____________________

39. Are you satisfied with the national biannual reports published on www.fhi.no in the MSIS reports?
   - Yes
   - No
   - Don’t know

40. What can be improved regarding the presentation of the national results in these reports?:

41. Do you think that the results are representative for the nosocomial infection prevalence over time at your institution?
   - Yes
   - No, have lower prevalence
   - No, have higher prevalence
   - Don’t know

42. Do you think that the prevalence surveys are useful part of infection control at your institution?
   - Yes
   - No
   - Don’t know
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43. How much has the prevalence surveys helped to put focus on infection control at your institution?
   None
   Low degree
   Some degree
   High degree
   Don’t know

44. Have you used the results of the prevalence surveys to argue for more resources for infection control?
   Yes
   No
   Don’t know

45. Have the results of the prevalence surveys led to preventive or control measures at your institution?
   Yes
   No
   Don’t know

   → If Yes
   46. Can you give examples of measures that were implemented?:
   __________________________________________________________

47. How many work hours do you use in total on a prevalence survey (including preparation, possibly implementation and complementary work)?: _____

48. How many persons are involved in the implementation of prevalence surveys at your hospital (clinical and infection control personnel)?: _____

49. Other comments on the national prevalence surveillance system or on the prevalence surveys organised at your hospital: __________________________________________________________