

Supplementary file 1 – Delphi study questionnaire (Round 1)

PARTICIPANT INFORMATION		
Region	<input type="checkbox"/> Baringo County <input type="checkbox"/> West Pokot County <input type="checkbox"/> Narok County <input type="checkbox"/> Kwale County <input type="checkbox"/> Kilifi County <input type="checkbox"/> Embu County <input type="checkbox"/> Kitui County	
Demographic characteristics	Age	<input type="checkbox"/> 18-30 <input type="checkbox"/> 31-40 <input type="checkbox"/> 41-50 <input type="checkbox"/> >50
	Sex	<input type="checkbox"/> Male <input type="checkbox"/> Female
Current work designation	
Years of experience in your current work designation years	

(Tick (√) in the most appropriate box & please complete the “comments” section provided in each sub-category)

CORE FUNCTIONS

1) Case detection, registration and confirmation

	<i>Strongly Disagree</i>	<i>Disagree</i>	<i>Neither Agree or Disagree</i>	<i>Agree</i>	<i>Strongly Agree</i>	<i>Don't Know</i>
Q1. Need to update surveillance guidelines currently in use at the sub-national level						
Q2. Need to update the available PC-NTDs case definitions currently in use at the sub-national level						
Q3. Training is required on practical application of the available PC-NTDs case definitions						
Q4. Having case registers specific for registering PC-NTD cases is necessary						
Q5. All PC-NTDs need confirmation at the lower surveillance levels						
Q6. Increased number of laboratories at lower surveillance levels is needed to improve PC-NTDs case confirmation capacity						
Q7. Need to properly equip laboratories at the health facility level to improve PC-NTDs case confirmation						

Q8. Need to provide an adequate number of skilled laboratory health personnel for effective confirmation of PC-NTDs						
Comments:						
2) Reporting						
	<i>Strongly Disagree</i>	<i>Disagree</i>	<i>Neither Agree or Disagree</i>	<i>Agree</i>	<i>Strongly Agree</i>	<i>Don't Know</i>
Q9. Need to ensure reporting forms are always readily available in all surveillance levels						
Q10. Need to avail updated reporting guidelines at the sub-national level						
Q11. Need to list all PC-NTDs in the existing reporting forms to improve surveillance data capture						
Q12. Immediate reporting of PC-NTD cases is required to improve planned response actions						
Q13. Need to adopt electronic reporting tools to improve transmission of PC-NTDs surveillance data to the next level						
Q14. Frequent training on reporting PC-NTDs using existing reporting forms is required						

Q15. Need to allocate adequate time for surveillance reports preparation and submission to the next levels						
Comments:						
3. Data analysis						
	<i>Strongly Disagree</i>	<i>Disagree</i>	<i>Neither Agree or Disagree</i>	<i>Agree</i>	<i>Strongly Agree</i>	<i>Don't Know</i>
Q16. Need to enhance PC-NTDs surveillance data analysis at the sub-national level						
Q17. Analysis of PC-NTDs surveillance data should be conducted on a routine-basis						
Q18. Trend analysis of PC-NTDs reported cases should be undertaken periodically						
Q19. Enhanced training on PC-NTDs surveillance data analysis is required						
Q20. Clearly formulated PC-NTDs action thresholds are required						
Q21. Need to provide adequate data analysis tools and equipment						
Comments:						

4. Feedback						
	<i>Strongly Disagree</i>	<i>Disagree</i>	<i>Neither Agree or Disagree</i>	<i>Agree</i>	<i>Strongly Agree</i>	<i>Don't Know</i>
Q22. Need to improve feedback on PC-NTDs surveillance data at the sub-national level						
Q23. Need for timely feedback on PC-NTDs surveillance data reported to the next level						
Q24. Regular feedback on reported PC-NTDs surveillance data is required						
Q25. Need to adapt improved electronic feedback mechanisms						
Q26. Increased feedback on PC-NTDs to lower surveillance levels is required						
Comments:						
5. Epidemic preparedness and response						
	<i>Strongly Disagree</i>	<i>Disagree</i>	<i>Neither Agree or Disagree</i>	<i>Agree</i>	<i>Strongly Agree</i>	<i>Don't Know</i>
Q27. Updated PC-NTDs outbreak preparedness and response protocols are required						
Q28. Need for outbreak response teams to be well-constituted to respond to probable PC-NTDs outbreaks						

Q29. Need for emergency supplies to adequately respond to probable PC-NTDs outbreaks						
Q30. Regular training on PC-NTDs outbreak preparedness and response is required						
Comments:						
SUPPORT FUNCTIONS						
1) Supervision						
	<i>Strongly Disagree</i>	<i>Disagree</i>	<i>Neither Agree or Disagree</i>	<i>Agree</i>	<i>Strongly Agree</i>	<i>Don't Know</i>
Q31. Need to enhance supervision of PC-NTDs surveillance activities at the sub-national level						
Q32. Regular supervision of PC-NTDs surveillance activities undertaken at the lower levels is required						
Q33. Formulation of supervisory schedules for PC-NTDs surveillance activities is necessary						
Q34. Increased frequency of supervisory visits at the lower surveillance levels is required						
Q35. Training and sensitisation of all health workers regarding supervisory activities is required						

Q36. Need for properly constituted supervisory teams to adequately supervise PC-NTDs surveillance activities						
Q37. Need for adequate resource provision to support supervision of PC-NTDs surveillance activities						
Q38. Need for increased participation of the community levels to support supervision of PC-NTDs surveillance activities						
Comments:						
2) Training						
	<i>Strongly Disagree</i>	<i>Disagree</i>	<i>Neither Agree or Disagree</i>	<i>Agree</i>	<i>Strongly Agree</i>	<i>Don't Know</i>
Q39. Need to improve training on disease surveillance at sub-national level to focus on PC-NTDs						
Q40. Regular training specifically on PC-NTDs surveillance activities is necessary						
Q41. All health workers need to be involved in training on PC-NTDs surveillance activities						

Q42. Availing adequate training materials and equipment is necessary across all surveillance levels						
Q43. Need to retain trained surveillance staff across all surveillance levels						
Comments:						
3) Resources						
	<i>Strongly Disagree</i>	<i>Disagree</i>	<i>Neither Agree or Disagree</i>	<i>Agree</i>	<i>Strongly Agree</i>	<i>Don't Know</i>
Q44. Increased funding is required to support PC-NTDs surveillance activities						
Q45. Availing electronic communication equipment for transmission of PC-NTDs surveillance data is required						
Q46. Improved transport and logistical support is necessary to facilitate PC-NTDs surveillance activities						
Q47. Increasing the number of health workers involved in PC-NTDs surveillance activities is necessary						
Q48. Increasing the number of designated surveillance focal persons is required						

Q49. Need for improved telecommunication channels to support transmission of surveillance data						
Q50. Need for improved means of transportation to facilitate surveillance activities						
Comments:						
SURVEILLANCE ATTRIBUTES 1) Simplicity						
	<i>Strongly Disagree</i>	<i>Disagree</i>	<i>Neither Agree or Disagree</i>	<i>Agree</i>	<i>Strongly Agree</i>	<i>Don't Know</i>
Q51. Simplification of existing guidelines for completing reporting forms is required						
Q52. Need to simplify available forms to ease reporting of PC-NTDs						
Q53. Need to simplify PC-NTDs case definitions to ease application						
Q54. Need to simplify methods for PC-NTDs surveillance data collection and analysis						
Comments:						

2) Acceptability						
	<i>Strongly Disagree</i>	<i>Disagree</i>	<i>Neither Agree or Disagree</i>	<i>Agree</i>	<i>Strongly Agree</i>	<i>Don't Know</i>
Q55. Need for the health managers to support PC-NTDs surveillance activities in the region						
Q56. PC-NTDs need to be considered of public health importance in the region						
Comments:						
3) Stability						
	<i>Strongly Disagree</i>	<i>Disagree</i>	<i>Neither Agree or Disagree</i>	<i>Agree</i>	<i>Strongly Agree</i>	<i>Don't Know</i>
Q57. Need for challenges facing PC-NTDs surveillance activities to be addressed with minimal delays						
Q58. Sufficient resources to support PC-NTDs surveillance activities are required						
Comments:						

4) Flexibility						
	<i>Strongly Disagree</i>	<i>Disagree</i>	<i>Neither Agree or Disagree</i>	<i>Agree</i>	<i>Strongly Agree</i>	<i>Don't Know</i>
Q59. Need for existing surveillance systems to be well adapted to reporting all PC-NTDs in the region						
Q60. Existing surveillance systems need to adapt easily to changes in PC-NTDs information needs						
Comments:						