

APPENDIX**Appendix 1**

A questionnaire on survey on management practices and implementation of Gina guidelines among doctors in a resource-limited setting in Nigeria

Demographics

1. Sex: Male () Female ()
2. Age (years): 20–29 () 30–39 () 41–50 () 51–60 () 61–70 ()
3. Professional designation: HO () MO () SMO () PMO () CMO () Reg ()
Snr Reg () Consultant ()
4. Duration of practice as a doctor (years).....
5. Nature of current place of practice: Public () Private () Mission () NGO ()
6. Level of healthcare delivery: Primary () Secondary () Tertiary ()

Epidemiology/risk factors

7. The incidence and prevalence of asthma in the last 30 years have: Remained same () Increased ()
Decreased ()
8. The following have been implicated as risk factors for developing asthma:
 - a. Atopy Yes () No ()
 - b. Genetics Yes () No ()
 - c. Smoking Yes () No ()
 - d. RTI Yes () No ()
 - e. Diet Yes () No ()
 - f. Air Pollution Yes () No ()
 - g. Birth weight Yes () No ()
 - h. Occupation Yes () No ()
 - i. Urbanization in Africa Yes () No ()
9. Have some genetic loci been implicated? Yes () No ()
10. Have vitamins been implicated in reducing risk for developing asthma? Yes () No ()
11. Which of these vitamins do you know?.....

Cell biology

12. The following inflammatory cells are involved in the pathogenesis of asthma
 - a. Neutrophils Yes () No ()
 - b. Eosinophils Yes () No ()
 - c. Mast cells Yes () No ()

Diagnosis of asthma

13. Have you ever seen a spirometer? Yes () No ()
14. Did you have any training in the use of a spirometer? Yes () No ()
15. Have you ever used spirometry in making a diagnosis of Bronchial Asthma? Yes () No ()
16. How did it help you? Reversibility () Variability ()

17. Have you ever seen a peak flow meter? Yes () No ()
18. Did you receive any training in the use of a Peak Flow meter? Yes () No ()
19. Has it ever assisted you in making a diagnosis of asthma? Yes () No ()
20. How did it help you? Reversibility () Variability ()

Control of asthma

21. Do you know about peak flow diary? Yes () No ()
22. Do your patients keep peak flow diary? Yes () No ()
23. What are the possible reasons why they don't?
- The patients have not been told about it Yes () No ()
 - They do not have personal peak flow meters Yes () No ()
 - The doctor does not know how to use it Yes () No ()
 - The doctor feels it is not important Yes () No ()
24. Do you know about GINA guidelines for asthma control? Yes () No ()
25. Do you routinely enquire about the following during each clinic visit?
- Nighttime awakenings due to asthma symptoms Yes () No ()
 - Daytime symptoms Yes () No ()
 - Limitations of activities Yes () No ()
 - Exacerbations Yes () No ()
 - Compliance with medications Yes () No ()
26. Do you frequently review your patients' inhaler technique? Yes () No ()
27. If yes, how frequently? Regularly () Only after an exacerbation () When patients make request ()
28. Do you know about Adult Asthma Control Test? Yes () No ()
29. Do you know about Asthma Action Plan? Yes () No ()
30. Do you regularly and routinely review the action plan with your patients? Yes () No ()
31. Do you regularly prescribe steroids for your asthma patients? Yes () No ()
32. If yes, which route of administration do you routinely use? IV () Oral () Inhaled ()
33. If no, the reason (s) may be any of the following:
- Steroids are not known to be effective Yes () No ()
 - Steroids have many and serious side effects Yes () No ()
 - The patients have phobia for steroids Yes () No ()

Thank you very much for your time.