

Design, reliability and construct validity of a Knowledge, Attitude and Practice questionnaire on personal use of antibiotics in Spain

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KNOWLEDGE, ATTITUDES AND PRACTICES TOWARDS THE PERSONAL USE OF ANTIBIOTICS

Code of the questionnaire: _____

Date: _____

To choose an answer, please fill in **COMPLETELY** the corresponding circle(s): CORRECTLY answered: ● INCORRECTLY answered: ✕/○

Please answer on the following questions about **ANTIBIOTICS** (Amoxicillin, Cefixime, Ciprofloxacin, Levofloxacin, Penicillin, etc.)

On a scale of 0 to 10 points, choose a number representing your level of agreement on the statements below. "0" (zero) means you totally disagree while "10" means that you agree completely.

Please evaluate the below statements **REGARDLESS** of whether you are currently using *antibiotics* **OR NOT**

Example: Practicing sports benefits health 0 1 2 3 4 5 6 7 8 9 10

1. *Antibiotics* are effective against viruses

2. When I get a cold, I take *antibiotics* to help me feel better faster

3. If I feel better after a few days, I sometimes stop taking my *antibiotics* before completing the course of treatment

4. I expect my doctor to prescribe *antibiotics* if I suffer from common cold or flu symptoms

5. It is good to be able to get *antibiotics* from relatives or friends without having to see a medical doctor

6. When I have a sore throat, I prefer to use an *antibiotic*

7. Each type of infection needs a different *antibiotic*

8. If I feel side effects during a course of treatment of *antibiotics*, I should stop taking them as soon as possible

9. I take the *antibiotics* according to the doctor's instructions

10. If *antibiotics* are consumed in excess, they will not work when they are really needed

11. I prefer to keep *antibiotics* at home in case there is a need for them later

12. I trust the doctor's decision if s/he decides to prescribe or not prescribe *antibiotics*

13. If I believe that I need an *antibiotic* and the doctor did not prescribe it, I will get it at the pharmacy without a prescription

14. Doctors often explain clearly to the patient the reasons for prescribing or not prescribing *antibiotics*

15. Doctors often explain clearly to the patient the instructions for the use of *antibiotics*

16. When you buy *antibiotics*, the pharmacist tells you about the importance of correct therapeutic compliance/adherence

Disagree					Agree					
0	1	2	3	4	5	6	7	8	9	10
0	1	2	3	4	5	6	7	8	9	10
0	1	2	3	4	5	6	7	8	9	10
0	1	2	3	4	5	6	7	8	9	10
0	1	2	3	4	5	6	7	8	9	10
0	1	2	3	4	5	6	7	8	9	10
0	1	2	3	4	5	6	7	8	9	10
0	1	2	3	4	5	6	7	8	9	10
0	1	2	3	4	5	6	7	8	9	10
0	1	2	3	4	5	6	7	8	9	10
0	1	2	3	4	5	6	7	8	9	10
0	1	2	3	4	5	6	7	8	9	10
0	1	2	3	4	5	6	7	8	9	10
0	1	2	3	4	5	6	7	8	9	10
0	1	2	3	4	5	6	7	8	9	10
0	1	2	3	4	5	6	7	8	9	10

Code of the questionnaire: _____

Date: _____

17. In the past two months, did you take antibiotics? ☐ Yes (please move to question 18) ☐ No (please move to question 28)

Answer the following questions about your consumption of ANTIBIOTICS IN THE PAST TWO MONTHS

18. How long was the duration of your last treatment with *antibiotics*?

Number of Days

Number of Months

19. Who prescribed or recommended you the use of *antibiotics*? (You can choose more than one answer)

- ☐ The doctor
- ☐ Friends
- ☐ The family
- ☐ The pharmacist
- ☐ I had them at home

20. The last time you had to take *antibiotics*, did you complete the course of treatment?

- ☐ Yes
- ☐ No
- ☐ Still using them

21. What did you do with the *antibiotics* that were left unused? (You can choose more than one answer)

- ☐ I kept them to be used the next time I am sick
- ☐ I disposed of them in the garbage or sewage system
- ☐ I gave them to someone
- ☐ I didn't have any remaining *antibiotics*

22. The last time you had to take *antibiotics*, did you forget to take any of the doses?

- ☐ Never (please move to question 24)
- ☐ Sometimes (please move to question 23)
- ☐ Often (please move to question 23)

23. What did you do when you skipped a dose of your *antibiotics*?

- ☐ I continued the following doses normally
- ☐ I doubled/increased the following dose
- ☐ I took it as soon as I remembered

24. The last time you had to take *antibiotics*, did you change the dose on your own (without medical advice)?

- ☐ Never (please move to question 28)
- ☐ Sometimes (please move to question 25)
- ☐ Often (please move to question 25)

25. What did you do when you changed your dose of *antibiotics* on your own (without medical advice)?

- ☐ I took more of it (please answer question 26 and then 28)
- ☐ I took less of it (please move to question 27)
- ☐ Sometimes I took more, and sometimes I took less of it (please answer questions 26 and 27)

26. Why did you increase the dose of *antibiotics* on your own (without medical advice)? (You can choose more than one answer)

- ☐ I forgot to take the previous dose
- ☐ I felt very sick
- ☐ I didn't feel a notable improvement
- ☐ I felt better but wanted to improve even more

27. Why did you reduce the dose of *antibiotics* on your own (without medical advice)? (You can choose more than one answer)

- ☐ I was worried about the medication's side effects
- ☐ I was tired, and I forgot
- ☐ I felt that I was taking too many medicines
- ☐ I was in a hurry and I forgot
- ☐ I don't like to take medicines at night
- ☐ I was feeling better

Code of the questionnaire: _____

Date: _____

General Demographic Characteristics

28. Indicate your gender

- ☐ Male ☐ Female

29. Indicate your age _____

30. What is your highest educational level?

- ☐ I did not go to school
☐ Primary
☐ Secondary
☐ University

31. Are you currently working?

- ☐ Yes
☐ No

32. How many members live in your house, including you?

- ☐ 2 ☐ 3-4 ☐ 5-6 ☐ More than 6

33. Do you consult a doctor when you are sick?

- ☐ Never
☐ Rarely
☐ Sometimes
☐ Always

34. Have you ever received a medical prescription over the phone?

- ☐ Yes
☐ No

Thank you very much for your time and collaboration!