

**Manuscript:** Knowledge, attitudes, perceptions and habits towards antibiotics dispensed without medical prescription: a qualitative study of Spanish pharmacists.

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## Consolidated criteria for reporting qualitative studies (COREQ): 32-item checklist

Developed from:

Tong A, Sainsbury P, Craig J. Consolidated criteria for reporting qualitative research (COREQ): a 32-item checklist for interviews and focus groups. *International Journal for Quality in Health Care*. 2007. Volume 19, Number 6: pp. 349 – 357

| No. Item                                       | Guide questions/description                             | Reported on Page #                                                                                                                                                                                      |
|------------------------------------------------|---------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Domain 1: Research team and reflexivity</b> |                                                         |                                                                                                                                                                                                         |
| <i>Personal Characteristics</i>                |                                                         |                                                                                                                                                                                                         |
| 1. Inter viewer/facilitator                    | Which author/s conducted the inter view or focus group? | Juan M. Vazquez-Lago<br>Page 6. "FG were conducted by principal research (JVL)"                                                                                                                         |
| 2. Credentials                                 | What were the researcher's credentials?<br>E.g. PhD, MD | Page 1. "Juan M Vazquez-Lago (M.D.) (M.S.)"                                                                                                                                                             |
| 3. Occupation                                  | What was their occupation at the time of the study?     | Doctor in Medicine. Specialist in preventive medicine and public health. MD and PhD student<br>Page 1. "Department of Preventive Medicine and Public Health, Clinic Hospital of Santiago de Compostela" |
| 4. Gender                                      | Was the researcher male or female?                      | Male<br>Page 1                                                                                                                                                                                          |
| 5. Experience and training                     | What experience or training did the researcher have?    | The researcher published an article                                                                                                                                                                     |

|                                              |                                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
|----------------------------------------------|--------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                                              |                                                                    | <p>with similar methodology (Vazquez-Lago JM, Lopez-Vazquez P, López-Durán A, Taracido-Trunk M, Figueiras A. Attitudes of primary care physicians to the prescribing of antibiotics and antimicrobial resistance: a qualitative study from Spain. Fam Pract. 2012; 29: 352-60.).The researcher studied masters in public health where the qualitative methodology forms part of the teaching program. Conducted continuous training courses in qualitative methodology. Page 6. <i>“This researcher has specific training for development research with qualitative methodology”</i> and page 15. <i>“Vazquez-Lago JM, Lopez-Vazquez P, López-Durán A, Taracido-Trunk M, Figueiras A. Attitudes of primary care physicians to the prescribing of antibiotics and antimicrobial resistance: a qualitative study from Spain. Fam Pract. 2012; 29: 352-60.”</i></p> |
| <p><i>Relationship with participants</i></p> |                                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <p>6. Relationship established</p>           | <p>Was a relationship established prior to study commencement?</p> | <p>Page 5. <i>“In order to work in a community pharmacy in Spain, it is compulsory to be collegiate at Official Colleges of</i></p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |

|                                             |                                                                                                                                            |                                                                                                                                                                                                                                                                                                                                                     |
|---------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                                             |                                                                                                                                            | <p><i>Pharmacists (OCP). Using the “snowball method”, the OCP send project information in the normal manner to all community pharmacists. Community pharmacists who were interested in FGs participation, had to send a mail to researcher team.”</i></p> <p><i>Page 6. “FG sessions took place at OCP meeting rooms.”</i></p>                      |
| 7. Participant knowledge of the interviewer | What did the participants know about the researcher? e.g. personal goals, reasons for doing the research                                   | <p><i>Page 6. “All pharmacists were informed of the purpose of the study, of what implied their implication, of the objectives, as well as that the FG sessions were to be recorded and transcribed, and that no-one attending would be personally identified in the study results. All agreed to participate by signing informed consent.”</i></p> |
| 8. Interviewer characteristics              | What characteristics were reported about the inter viewer/facilitator? e.g. Bias, assumptions, reasons and interests in the research topic | <p><i>Page 4-5-6-7</i></p>                                                                                                                                                                                                                                                                                                                          |

|                                          |                                                                                                                                                          |               |
|------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|
| <b>Domain 2: study design</b>            |                                                                                                                                                          |               |
| <i>Theoretical framework</i>             |                                                                                                                                                          |               |
| 9. Methodological orientation and Theory | What methodological orientation was stated to underpin the study? e.g. grounded theory, discourse analysis, ethnography, phenomenology, content analysis | Page 6        |
| <i>Participant selection</i>             |                                                                                                                                                          |               |
| 10. Sampling                             | How were participants selected? e.g. purposive, convenience, consecutive, snowball                                                                       | Page 5-6      |
| 11. Method of approach                   | How were participants approached? e.g. face-to-face, telephone, mail, email                                                                              | Page 5        |
| 12. Sample size                          | How many participants were in the study?                                                                                                                 | Page 7        |
| 13. Non-participation                    | How many people refused to participate or dropped out? Reasons?                                                                                          | Page 7 and 12 |
| <i>Setting</i>                           |                                                                                                                                                          |               |
| 14. Setting of data collection           | Where was the data collected? e.g. home, clinic, workplace                                                                                               | Page 6        |
| 15. Presence of non-participants         | Was anyone else present besides the participants and researchers?                                                                                        | Page 6        |
| 16. Description of sample                | What are the important characteristics of the sample? e.g. demographic data, date                                                                        | Page 6-7      |
| <i>Data collection</i>                   |                                                                                                                                                          |               |
| 17. Interview guide                      | Were questions, prompts, guides provided by the authors? Was it pilot tested?                                                                            | Page 5        |
| 18. Repeat interviews                    | Were repeat inter views carried out? If yes, how many?                                                                                                   | Page 7        |
| 19. Audio/visual recording               | Did the research use audio or visual recording to collect the data?                                                                                      | Page 6        |

|                                        |                                                                                                                                 |                                                           |
|----------------------------------------|---------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------|
| 20. Field notes                        | Were field notes made during and/or after the inter view or focus group?                                                        | Page 6                                                    |
| 21. Duration                           | What was the duration of the inter views or focus group?                                                                        | Page 6                                                    |
| 22. Data saturation                    | Was data saturation discussed?                                                                                                  | Page 6                                                    |
| 23. Transcripts returned               | Were transcripts returned to participants for comment and/or correction?                                                        | N/A                                                       |
| <b>Domain 3: analysis and findings</b> |                                                                                                                                 |                                                           |
| <i>Data analysis</i>                   |                                                                                                                                 |                                                           |
| 24. Number of data coders              | How many data coders coded the data?                                                                                            | N/A                                                       |
| 25. Description of the coding tree     | Did authors provide a description of the coding tree?                                                                           | N/A                                                       |
| 26. Derivation of themes               | Were themes identified in advance or derived from the data?                                                                     | Page 5                                                    |
| 27. Software                           | What software, if applicable, was used to manage the data?                                                                      | Page 7                                                    |
| 28. Participant checking               | Did participants provide feedback on the findings?                                                                              | Page 6                                                    |
| <i>Reporting</i>                       |                                                                                                                                 |                                                           |
| 29. Quotations presented               | Were participant quotations presented to illustrate the themes/findings? Was each quotation identified? e.g. participant number | Page 6-7-8-9                                              |
| 30. Data and findings consistent       | Was there consistency between the data presented and the findings?                                                              | Yes, there was.<br>From page 7 to 12                      |
| 31. Clarity of major themes            | Were major themes clearly presented in the findings?                                                                            | Yes. they were.<br>From page 7 to 12                      |
| 32. Clarity of minor themes            | Is there a description of diverse cases or discussion of minor themes?                                                          | Discussion of major and minor themes<br>From page 7 to 22 |