**KNOWLEDGE, ATTITUDES AND PRACTICES RELATED TO RESEARCH & ETHICS IN RESEARCH PARTICIPANTS & THE GENERAL COMMUNITY OF BUEA**

**Table 1a: Description of age**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Question | Characteristic | N | mean(SD) | Median | Range | IQR |
|  |  |  |  |  |  |  |
| 2. | **Age** | 400 | 25.9(7.3) | 24 | 0-73 | 22-27 |

**Table 1b: Other demographic characteristics of respondents**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Question | Characteristic | Response | N | % |
| 3. | Sex | Female | 171 | 42.6 |
|  |  | Male | 230 | 57.4 |
|  |  |  |  |  |
| 4. | Marital Status | Not married(single, divorced, widowed) | 366 | 92.0 |
|  |  | married | 32 | 8.0 |
|  |  |  |  |  |
| 5. | Highest response of formal education | None | 4 | 1.0 |
|  |  | Primary | 4 | 1.0 |
|  |  | Secondary | 21 | 5.3 |
|  |  | Tertiary or more | 369 | 92.7 |
|  |  |  |  |  |
| 6. | Type of occupation | Low | 92 | 26.9 |
|  |  | Medium | 124 | 36.3 |
|  |  | High | 126 | 36.8 |

**Table 2: Knowledge about research ethics**

| Question | Knowledge | Response | N | % |
| --- | --- | --- | --- | --- |
| 7. | Which of the following concerning participants are to be considered when conducting research? |  |  |  |
| 7a. | Reducing harm | No | 18 | 4.5 |
|  |  | Yes | 321 | 80.3 |
|  |  | Don’t know | 61 | 15.2 |
|  |  |  |  |  |
| 7b. | Respecting autonomy | No | 23 | 5.8 |
|  |  | Yes | 339 | 85.2 |
|  |  | Don’t know | 36 | 9.0 |
|  |  |  |  |  |
| 7c. | Giving money to participants | No | 290 | 72.9 |
|  |  | Yes | 63 | 15.8 |
|  |  | Don’t Know | 45 | 11.3 |
|  |  |  |  |  |
| 7d. | Protecting privacy | No | 41 | 10.2 |
|  |  | Yes | 339 | 84.5 |
|  |  | Don’t know | 21 | 5.2 |
|  |  |  |  |  |
| 7e. | Oblige people to participate | No | 334 | 83.7 |
|  |  | Yes | 46 | 11.5 |
|  |  | Don’t know | 19 | 4.8 |
|  |  |  |  |  |
| 7f. | Treating people equally | No | 27 | 6.8 |
|  |  | Yes | 351 | 88.4 |
|  |  | Don’t know | 19 | 4.8 |
|  |  |  |  |  |
|  |  |  |  |  |
| 8. | How much information about the research should be given to participant before (s) he is enrolled in a study? | None | 7 | 1.8 |
|  |  | Only information (s)he asks for | 23 | 5.8 |
|  |  | Only information the researcher deems necessary | 61 | 15.3 |
|  |  | All relevant information | 307 | 77.1 |
|  |  |  |  |  |
| 9. | Must a participant, who is alert and competent, consent to take part in a study? | No | 96 | 24.0 |
|  |  | Yes | 274 | 68.5 |
|  |  | Don’t know | 30 | 7.5 |
|  |  |  |  |  |
| 10. | Should the participant’s consent be documented? | No | 77 | 19.4 |
|  |  | Yes | 285 | 72.0 |
|  |  | Don’t know | 34 | 8.6 |
|  |  |  |  |  |
| 11. | Can participant consent be only verbal (ie with no written documentation)? | No | 256 | 64.2 |
|  |  | Yes | 121 | 30.3 |
|  |  | Don’t know | 22 | 5.5 |
|  |  |  |  |  |
| 12. | Can a participant who initially accepts to be part of study decide to withdraw from it at any time? | No | 90 | 22.4 |
|  |  | Yes | 281 | 70.0 |
|  |  | Don’t know | 30 | 7.6 |
|  |  |  |  |  |
| 13. | Can a researcher withdraw a participant from a study at any time? | No | 181 | 45.1 |
|  |  | Yes | 165 | 41.2 |
|  |  | Don’t know | 55 | 13.7 |
|  |  |  |  |  |
| 14. | Can a person give consent for another person (example deaf) to take part in a study? | No | 157 | 39.3 |
|  |  | Yes | 206 | 51.5 |
|  |  | Don’t know | 37 | 9.2 |
|  |  |  |  |  |
| 15. | In some circumstances, is it acceptable for participants names to be collected by the researcher? | No | 136 | 34.2 |
|  |  | Yes | 235 | 59.0 |
|  |  | Don’t know | 27 | 6.8 |
|  |  |  |  |  |
| 16. | Is it the researcher’s responsibility to protect all information collected from research participants? | No | 11 | 2.8 |
|  |  | Yes | 380 | 95.0 |
|  |  | Don’t know | 9 | 2.2 |
|  |  |  |  |  |
| 17. | Is a 19-year old person able to give consent to be part of a study, in Cameroon? | No | 109 | 27.3 |
|  |  | Yes | 246 | 61.7 |
|  |  | Don’t know | 44 | 11.0 |
|  |  |  |  |  |

**Table 3a: Attitudes towards research ethics**

| Question | Attitude | Response | N | % |
| --- | --- | --- | --- | --- |
|  |  |  |  |  |
| 18. | In your view, should a husband (or wife) be informed if his (or her) wife (or husband) is to take part in a study? | No | 148 | 37.1 |
|  |  | Yes | 229 | 57.4 |
|  |  | Don’t know | 22 | 5.5 |
|  |  |  |  |  |
| 19. | Should a person be able to give consent for another person to take part in a research? | No | 200 | 50.0 |
|  |  | Yes | 173 | 43.2 |
|  |  | Don’t know | 27 | 6.8 |
|  |  |  |  |  |
| 20. | Must a husband (or wife) give consent before his wife (or husband) can participate in a study? | No | 241 | 60.1 |
|  |  | Yes | 129 | 32.2 |
|  |  | Don’t know | 31 | 7.7 |
|  |  |  |  |  |
| 21. | If an unborn baby is to be included in a study, who should give consent for the unborn baby? | None | 24 | 6.1 |
|  |  | Father only | 17 | 4.3 |
|  |  | Mother only | 37 | 9.3 |
|  |  | Father and Mother | 312 | 78.8 |
|  |  | Other | 6 | 1.5 |
| 21a. |  |  |  |  |
| 22. | In your view, in research studies, should the names of participants be taken and recorded? | Never | 68 | 17.1 |
|  |  | Only when necessary | 274 | 68.8 |
|  |  | Always | 42 | 10.6 |
|  |  | Don’t know | 14 | 3.5 |
|  |  |  |  |  |
| 23. | In research studies, should the phone numbers of participants be taken and recorded? | Never | 73 | 18.2 |
|  |  | Only when necessary | 260 | 64.8 |
|  |  | Always | 55 | 13.7 |
|  |  | Don’t know | 13 | 3.2 |
|  |  |  |  |  |
| 24. | In your view, should children take part as participants in research? | Never | 76 | 19.0 |
|  |  | Only when necessary | 280 | 69.8 |
|  |  | Always | 17 | 4.2 |
|  |  | Don’t know | 28 | 7.0 |
|  |  |  |  |  |
| 25. | Should people who have experienced past trauma (ex. child abuse, sexual abuse ect) be invited to discuss these past events? | No | 65 | 16.3 |
|  |  | Yes | 278 | 69.9 |
|  |  | Don’t know | 55 | 13.8 |
|  |  |  |  |  |
| 26. | Should participants receive any compensation for taking part in research? | No | 148 | 37.3 |
|  |  | Yes | 188 | 47.4 |
|  |  | Don’t know | 61 | 15.4 |
|  |  |  |  |  |
| 27. | If YES to Q.26, what type of compensation should they receive | Monetary | 40 | 18.9 |
|  |  | Increased care | 118 | 55.7 |
|  |  | Physical gifts | 32 | 15.1 |
|  |  | Others | 22 | 10.4 |
|  |  |  |  |  |
| 28. | Should researchers be allowed to pay people to participate in a study they are not otherwise comfortable with? | No | 315 | 78.6 |
|  |  | Yes | 61 | 15.2 |
|  |  | Don’t know | 25 | 6.2 |
|  |  |  |  |  |
| 29. | Should participants accept to participate in research just because of the compensation associated with the research? | No | 357 | 89.5 |
|  |  | Yes | 20 | 5.0 |
|  |  | Don’t know | 22 | 5.5 |
|  |  |  |  |  |
| 31. | In your view, should participants be informed about incidental (unplanned) findings concerning them in a study? | No | 94 | 23.8 |
|  |  | Yes | 269 | 68.1 |
|  |  | Don’t know | 32 | 8.1 |
|  |  |  |  |  |
| 32. | In your view, should a 15 year old child be able to give consent to be part of a study? | No | 213 | 53.3 |
|  |  | Yes | 161 | 40.2 |
|  |  | Don’t know | 26 | 6.5 |
|  |  |  |  |  |
| 33. | In your view, should a 16-year old pregnant person be able to give consent to be part of a study? | No | 118 | 29.5 |
|  |  | Yes | 243 | 60.8 |
|  |  | Don’t know | 39 | 9.8 |
|  |  |  |  |  |
| 34. | If Yes to Q.33 should she need additional approval from someone else | No | 100 | 33.0 |
|  |  | Yes | 167 | 55.1 |
|  |  | Don’t know | 36 | 11.9 |
|  |  |  |  |  |
|  |  |  |  |  |
| 35. | If Yes to Q.34, who should the approval come from? |  |  |  |
| 35a. | 16-year old’s Father | No | 92 | 46.2 |
|  |  | Yes | 107 | 53.8 |
|  |  |  |  |  |
| 35b. | 16-year old’s Mother | No | 78 | 39.6 |
|  |  | Yes | 119 | 60.4 |
|  |  |  |  |  |
| 35c. | Father of unborn child | No | 93 | 47.9 |
|  |  | Yes | 101 | 52.1 |
|  |  |  |  |  |
| 35d. | Male partner who is not father of the unborn child | No | 152 | 80.0 |
|  |  | Yes | 38 | 20.0 |
| 35e. | Other |  |  |  |
| 36. | To protect people who participate in research, committees are often created to oversee research in a particular setting. According to you, which of the following people should be included in the committee |  |  |  |
| 36a. | Traditional leaders | No | 132 | 33.5 |
|  |  | Yes | 262 | 66.5 |
|  |  |  |  |  |
| 36b. | Spiritual leaders | No | 126 | 31.6 |
|  |  | Yes | 273 | 68.4 |
|  |  |  |  |  |
| 36c. | Administrative authorities | No | 97 | 24.4 |
|  |  | Yes | 300 | 75.6 |
|  |  |  |  |  |
| 36d. | Community representatives | No | 73 | 18.3 |
|  |  | Yes | 326 | 81.7 |
|  |  |  |  |  |
| 36e. | Representatives of patients | No | 154 | 39.2 |
|  |  | Yes | 239 | 60.8 |
|  |  |  |  |  |
| 36f. | Researchers | No | 68 | 17.1 |
|  |  | Yes | 330 | 82.9 |
|  |  |  |  |  |
| 36g. | Research participants | No | 133 | 33.4 |
|  |  | Yes | 265 | 66.6 |
|  |  |  |  |  |
| 36h. | Armed forces | No | 217 | 55.2 |
|  |  | Yes | 176 | 44.8 |
|  |  |  |  |  |
| 36i. | Lawyers or legal experts | No | 99 | 24.9 |
|  |  | Yes | 299 | 75.1 |
|  |  |  |  |  |
| 37. | Is there anyone else you should be in the committee? |  |  |  |

**Table 3b: Attitudes towards research ethics 2**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Question | Attitude | N | Mean(SD) | Median | IQR | Range |
| 30. | If a participant was to be compensated for the time they spend in a study, in your opinion, how much should they receive for the following durations? |  |  |  |  |  |
| 30a. | Thirty minutes | 250 | 7900(26412) | 1000 | 500-3000 | 0-300000 |
| 30b. | One hour | 252 | 16388(57789) | 2000 | 1000-5500 | 0-600000 |
| 30c. | A whole day | 273 | 105563(435587) | 10000 | 5000-30000 | 500-480000 |

**Table 4: Practices related to research ethics**

| Question | Practice | Response | N | % |
| --- | --- | --- | --- | --- |
|  |  |  |  |  |
| 38. | Have you ever been part of a research study?  ***[if NO, still answer the questions below based on the respondent’s experience of others’ participation in research]*** | No | 153 | 38.6 |
|  |  | Yes | 235 | 59.3 |
|  |  | Don’t know | 8 | 2.0 |
|  |  |  |  |  |
| 39. | In your experience which of the following have researchers been doing when carrying out research? |  |  |  |
| 39a. | Reducing harm to participants | No | 47 | 11.8 |
|  |  | Yes | 280 | 70.0 |
|  |  | Don’t know | 73 | 18.2 |
|  |  |  |  |  |
| 39b. | Respecting autonomy (independence) | No | 50 | 12.5 |
|  |  | Yes | 294 | 73.5 |
|  |  | Don’t know | 56 | 14.0 |
|  |  |  |  |  |
| 39c. | Giving money to participants | No | 286 | 71.5 |
|  |  | Yes | 53 | 13.3 |
|  |  | Don’t know | 61 | 15.2 |
|  |  |  |  |  |
| 39d. | Protecting privacy (secrets) | No | 63 | 15.8 |
|  |  | Yes | 290 | 72.5 |
|  |  | Don’t know | 47 | 11.8 |
|  |  |  |  |  |
| 39e. | Obliging people to participate | No | 304 | 76.2 |
|  |  | Yes | 55 | 13.8 |
|  |  | Don’t know | 40 | 10.0 |
|  |  |  |  |  |
| 39f. | Treating people equally | No | 52 | 13.0 |
|  |  | Yes | 279 | 69.9 |
|  |  | Don’t know | 68 | 17.0 |
|  |  |  |  |  |
| 40. | Do researchers inform participants about what the research entails before the participants are enrolled to the study? | No | 52 | 13.0 |
|  |  | Yes | 318 | 79.5 |
|  |  | Don’t know | 30 | 7.5 |
|  |  |  |  |  |
| 41. | Do participants accept to sign consent forms to confirm their participation? | No | 84 | 21.0 |
|  |  | Yes | 256 | 63.8 |
|  |  | Don’t know | 61 | 15.2 |
|  |  |  |  |  |
| 42. | Do wives take authorisation from their husbands to participate in research? | No | 185 | 46.4 |
|  |  | Yes | 102 | 25.6 |
|  |  | Don’t know | 112 | 28.1 |
|  |  |  |  |  |
| 43. | Do husbands (or wives) sign consent on behalf of their wives (or husbands)? | No | 209 | 52.1 |
|  |  | Yes | 77 | 19.2 |
|  |  | Don’t know | 115 | 28.7 |
|  |  |  |  |  |
| 44. | Do researchers take the names of participants? | No | 155 | 38.9 |
|  |  | Yes | 189 | 47.4 |
|  |  | Don’t know | 55 | 13.9 |
|  |  |  |  |  |
| 45. | Do researchers take the phone number of participants? | No | 200 | 50.1 |
|  |  | Yes | 158 | 39.6 |
|  |  | Don’t know | 41 | 10.3 |
|  |  |  |  |  |
| 46. | Do participants request for monetary compensation to take part in a study? | No | 205 | 51.1 |
|  |  | Yes | 116 | 28.9 |
|  |  | Don’t know | 80 | 20 |
|  |  |  |  |  |
| 47. | Do participants accept to be part of a study just because they will receive compensation? | No | 238 | 59.4 |
|  |  | Yes | 95 | 23.7 |
|  |  | Don’t know | 68 | 17 |
|  |  |  |  |  |
| 48. | Do participants accept forms of compensation other than money? | No | 89 | 22.2 |
|  |  | Yes | 197 | 49.1 |
|  |  | Don’t know | 115 | 28.7 |
|  |  |  |  |  |
| 49. | If Yes to 48. Which other form of compensation to they accept |  |  |  |
| 49a. | Gifts | No | 87 | 39.4 |
|  |  | Yes | 128 | 57.9 |
|  |  | Don’t know | 6 | 2.7 |
|  |  |  |  |  |
| 49b. | Telephone credit | No | 109 | 50.7 |
|  |  | Yes | 106 | 49.3 |
|  |  |  |  |  |
| 49c. | Food | No | 95 | 43.2 |
|  |  | Yes | 125 | 56.8 |
|  |  |  |  |  |
| 50. | Do researchers propose monetary compensation to participants? | No | 232 | 57.9 |
|  |  | Yes | 77 | 19.2 |
|  |  | Don’t know | 92 | 22.9 |
|  |  |  |  |  |
| 51. | Do researchers propose monetary compensation to participants even in research they are not otherwise comfortable with? | No | 205 | 51.1 |
|  |  | Yes | 81 | 20.2 |
|  |  | Don’t know | 115 | 28.7 |
|  |  |  |  |  |
| 52. | Do participants want to be informed about incidental (unexpected) findings concerning them? | No | 67 | 16.7 |
|  |  | Yes | 263 | 65.6 |
|  |  | Don’t know | 71 | 17.7 |
|  |  |  |  |  |