

Appendix 1: Interview guide questions for the RTOI victims

Research question: What are the factors influencing functional outcomes in post-RTIs?

Method: Qualitative, explanatory using Focused in-depth Interview

Questions

My name is Allen Ingabire, from the University of Rwanda, PhD student registered in the School of Health Sciences. This interview aims to determine factors that have influenced the recovery and challenges during your management. We will discuss essential elements related to the complications following road traffic injuries in Rwanda. This interview will be audio recorded. If there is no problem with this, we can proceed.

I will begin our interview today by asking you some questions about yourself and your health.

1. What is your occupation?
2. What was the highest level of education you achieved?
3. Do you live with anyone? If yes, how many people and who are they?
4. Do you have a healthcare card/pension card/personal health card?
5. When did your injury occur?
6. How much has your health changed since the accident?
7. Are you taking any medications related to your injury? Let's talk about your injury
 - If yes, what type of medications and how frequently? Who has prescribed these medications?

I am now going to ask you about your accident and injury and how it has impacted your health?

8. Can you tell me about your accident?
 - Circumstances and injury details: I was involved in a motorcycles-car accident last year when I was coming from work and injured my leg. Directly I was taken to the hospital by ambulance. They operated on my leg by the wound took along to heal. I spent like two months in the Hospital
9. Can you describe what impact the accident has had on your health and wellbeing?
 - What was your health status before the accident and after (exercise, mental wellbeing, and ability to do activities of daily living)? Before the accident, I was fit and working in the office, no other illness I was suffering from. I was able to care for myself and my family. After the accident, everything has changed. I need my husband to help me performing even the care of my body, walking with crutches for more than one year, unable to drive myself. Almost everything has changed, and I am still scared by this injury.

10. Can you tell me about your recovery?
 - What do you mean by recovery? Becoming like before this accident or perform myself some activities.
- How do you know if you have successfully recovered? If I no longer go to the hospital for physiotherapy and do not use crutches and sit properly, this could be a sign of recovery.
- If not recovered, what are your expectations for your recovery? I hope that I will be able to care for myself and return to my work one day. You know what, even if these materials in my leg will be removed, I am like a machine.
- Thank you very much for your response. If additional information can help our research, you can tell me. I wish you a quick recovery.

Appendix 2: Interview guide questions for the Health Care providers

I am calledthe researcher in the research entitled “Health outcome following road traffic injuries in Rwanda”.

Research question: What are the factors influencing functional outcomes in post-RTIs?

Method: Qualitative, explanatory using Focused In-depth Interview

Objective: This interview aims to determine factors that influence the recovery and challenges of road traffic injuries victims. We will discuss essential elements related to the complications following road traffic injuries in Rwanda. This interview will be audio recorded. If there is no problem with this, we can proceed.

Questions

1. What is your occupation?
2. Where do you work?
3. What was the highest level of education you achieved?
4. How many years have you worked in the management of injury patients?
5. Which kind of injuries do you manage?
6. What is the pathway of an injured patient from admission to discharge in your hospital?
7. Do you think that RTIs victims are treated well in your hospital?
8. If No, what is missing? (Personnel, infrastructures, equipment, long appointment, system organization).
9. What factors influence the functional outcome of RTIs in Rwanda, according to your personal experience? (Patient factors like pre-injury status, medical factors, the severity of the injury, social factors like education, gender, being an urban or rural citizen, economic factors (according to Ubudehe), rehabilitation process (physical and psychological support).
10. What do you think can improve the functional outcome of the RTIs victims?
11. What do think about the role of multidisciplinary team in management of RTIs victims (Nurses, emergency physicians, surgeons, physiotherapist, psychologist, nutritionist,...)?

Thank you very much for your response. If additional information can help our research, you can tell me. I wish you a good job