

## Topic Guide for Cognitive Interviews: Development of the Recurrent UTI Impact Questionnaire (RUTIIQ)

Use “think aloud” and “verbal probing” techniques following Willis’ guidelines [36, 37].

### 1. **INTRO:**

- What are your initial impressions of the questionnaire?

### 2. **SECTION A: SOCIAL IMPACT**

General probing questions:

- How easy or difficult is this to answer?
- What do you think the question is trying to find out?
- I noticed that you hesitated – what were you thinking about?
- How did you feel about the requirement to think about the impact of your UTI(s) over the past two weeks? / What do you think the best timeline would be for assessing the impact?
- How do you feel about the format of the questions?
- Is there anything you would change to make it better?

Possible question/section-specific probing questions:

- How did you work out how to use the scale of strongly disagree to strongly agree?
- **A1:** What does the phrase “form and maintain close relationships with others” mean to you?
- **A1 and A2:** What does the word “impaired” mean to you?
- **A2:** What does the phrase “social activities” mean to you?
- What does the word “often” mean to you?
- **A3:** What does “isolated” mean to you?
- **A6:** What does the phrase “different from others” mean to you?
- **A7:** What does the word “burden” mean to you?
- **A10:** What does “used to” make you think about?
- Is there anything you feel is missing in terms of social impact due to UTIs?

### 3. **SECTION B: WORK IMPACT**

General probing questions:

- How easy or difficult is this to answer?
- What do you think the question is trying to find out?
- I noticed that you hesitated – what were you thinking about?
- How did you feel about the requirement to think about the impact of your UTI(s) over the past two weeks? / What do you think the best timeline would be for assessing the impact?
- How do you feel about the format of the questions?
- Is there anything you would change to make it better?

Possible question/section-specific probing questions:

- How clear is the definition of “work” here?
- To what extent does the definition of “work” given here apply to you?
- What does the word “often” mean to you?
- **B1:** What does the word “impaired” mean to you?
- **B3:** What does the word “limited” mean to you, as it is used in B3?
- **B5:** What does “handle your workload” mean to you?
- **B6:** How did you assess the quality of your work?
- **B7:** How did you work out the frequency with which you experienced financial pressure?
- **B7:** How easy was it to apply this question specifically to your experience of living with UTIs?

### 4. **SECTION C: SEXUAL PAIN**

General probing questions:

- How easy or difficult is this to answer?
- What do you think the question is trying to find out?
- I noticed that you hesitated – what were you thinking about?
- How do you feel about the format of the questions?
- Is there anything you would change to make it better?

Possible question/section-specific probing questions:

- How clear is the definition of “sexual activity” here?
- **Pre-screen question:** How easy or difficult did you find it to decide whether you were going to say “yes” or “no”? / What do you think influenced your answer?
- How do you interpret “sexual activity” as it is used here?
- How clear is the difference between **C1-2** and **C3-4**?
- Are there any aspects of the wording used in these questions that you feel should be adjusted? What would you adjust it to?
- How did you feel about the requirement to think about sexual activity in the past two weeks? / What do you think the best timeline would be for assessing the impact on sexual activity?

### 5. **SECTION D: SEXUAL IMPACT**

General probing questions:

- How easy or difficult is this to answer?
- What do you think the question is trying to find out?
- I noticed that you hesitated – what were you thinking about?
- How do you feel about the format of the questions?
- Is there anything you would change to make it better?

Possible question/section-specific probing questions:

- **Pre-screen question:** How easy or difficult did you find it to decide whether you were going to say “yes” or “no”? / What do you think influenced your answer?
- How did you work out how to use the scale of strongly disagree to strongly agree?
- How do you interpret “sexual activity” as it is used here?
- **D1:** What does the word “avoid” mean to you in this context?
- **D2:** What does the phrase “enjoy sexual activity” mean to you?
- **D3:** What types of impact do you think of in D3?
- **D4:** What does “sexual wellbeing” mean to you?
- How did you feel about the requirement to think about sexual impact in the past two weeks? / What do you think the best timeline would be for assessing the impact on sexual activity?

### 6. **SECTION E: PATIENT SATISFACTION**

General probing questions:

- How easy or difficult is this to answer?
- What do you think the question is trying to find out?
- I noticed that you hesitated – what were you thinking about?
- How did you feel about the requirement to think about the impact of your UTI(s) over the past two weeks? / What do you think the best timeline would be for assessing the impact?
- How do you feel about the format of the questions?
- Is there anything you would change to make it better?

Possible question/section-specific probing questions:

- How did you work out how to use the scale of strongly disagree to strongly agree?
- What type of medical care do you think about in these questions?
- **E1:** What does the word “content” mean to you in this context?
- **E4:** How do you assess whether or not your medical concerns are taken seriously?
- **E5:** How do you judge feeling “listened to”?
- **E7:** How do you assess how involved you have been in your medical care decisions?
- **E9:** What type of “medical specialists” do you think of in E9?

### 7. **OVERALL QUESTIONNAIRE**

- What are your overall views on the questionnaire?
- Is there anything you would change to make it better?
- Is there anything else you’d like to say about this questionnaire that I haven’t already asked?
- How do you feel about the amount of time that these questions take to answer?