Supplemental File 3
Interview Guide (Adults Aging with HIV & Health Care Practitioners)

Thank you for agreeing to participate in this study. As you know, our aim is to establish a short-form version of the HDQ. I am meeting with you to try to get your feedback on the questionnaire items you just completed (or reviewed) related to disability. Disability is defined as any symptoms or impairments, difficulties with day-to-day activities, challenges to social inclusion and uncertainty that you may experience living with HIV, its conditions or treatments that can fluctuate on a daily basis and over the entire course living with HIV. I am interested in learning whether you think the short form version of this questionnaire adequately captures the types of health related challenges (or disability) that you (or your patients) might experience living with HIV. I am also interested in learning about your thoughts on the ways in which the SF-HDQ can be used in the clinical setting. As a reminder, this interview is being audio-recorded. You can refuse to answer any questions you are not comfortable or do not wish to answer. Do you have any questions before we begin?

*Note – question delivery will be adapted according to the target population (adult living with HIV who completed the SF-HDQ versus health care providers that will review the SF-HDQ)

**Past Experience**

1. **What are your past experiences with the HDQ? (i.e. any involvement with HDQ prior to today?)**

Probes:

- Health Provider Participants
  - Have you administered the HDQ in your work previously?
  - Have you been given feedback about the HDQ from patients/clients who have completed the HDQ?
    - If so, what was the feedback?

- PLWH Participants-- have you completed the HDQ as a client, patient, or study participant, previously?

**Current Experience (as of Today)**

2. **Can you describe your overall experience completing (or administering) the SF-HDQ?**

3. **What went well? What didn’t go well?**
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Face and Content Validity

4. What are your overall thoughts on the short-form HDQ questionnaire items?

Probes:
   How well do you think the items captured the disability you (or your patients) experience living with HIV?
   • symptoms or impairments (physical, cognitive, mental-emotional)
   • difficulties carrying out day-to-day activities (e.g. shopping, meal preparation)
   • challenges to social inclusion (e.g. work, personal relationships, parenting)
   • uncertainty (e.g. worrying about the future living with HIV)

5. Do you feel there were any items that especially captured the types of disability you (or your patients) experience? (were really good at capturing your (your patients’) disability?)

Probes:
   If yes, what were those important questions?
   [If vague can ask participants to identify which items were the really important ones?]

6. Do you feel the response options were sufficient to allow you (your patients) to adequately answer the question to best describe your disability experience?

Probes:
   If yes, what did you like about the response options?
   If no, what would you change about the response options?

Item Generation

7. Do you feel there were any items missing from the questionnaire?

Probes:
   If yes, what types of questions would you like to see put back (or added) into the SF-HDQ?
   • symptoms or impairments (pain, fatigue, body composition changes)
   • difficulties carrying out day-to-day activities (e.g. shopping, meal preparation)
   • challenges to social inclusion (e.g. work, personal relationships, parenting)
     • uncertainty (e.g. worrying about the future living with HIV)
   How might you word those questions on a questionnaire?
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Item Wording

8. What do you think about the wording of the questions in the questionnaire?

Item Reduction

9. Do you think there were any questions that were redundant or repetitive? (meaning, do you think the SF-HDQ could be made even shorter?)

Probes:
If yes, what were those questions?
Do you think that these items could be removed from the questionnaire and it still adequately capture your (your patients’) experience?

Ease of Usage

10. What did you think of the length of time it took you (or will take your patients) to complete the questionnaire?

Probes:
Was the time it took to complete the questionnaire too long?
Could you (your patients) have completed a longer questionnaire?

Utility / Overall Purpose

11. How might the SF-HDQ be used in clinical practice? What ways do you think the SF-HDQ might be used in clinical practice?

Probes:
- Assessing or describing disability experienced by adults aging with HIV?
- Helping with communication about disability experienced between patients and providers?
- Goal-setting?
- Identifying areas to target interventions?
- Identifying challenges that might help guide referrals to other services or providers?

12. How might you envision the SF-HDQ being used in your clinical practice? What would be the optimal way to use it?

Date Last Revised: February 13, 2022
13. Do you see the SF-HDQ as a benefit for use in clinical practice? IF so, how?

Probes:
- Instant feedback of disability scores to care providers and patients / identifying domains with challenges?
- See above.

14. Do you see any challenges with using the SF-HDQ in clinical practice? IF so, how?

Probes:
- Burden of time?
- Lack of technology literacy (tablet format)?
- Concerns of data privacy?

Administration

15. What did you think of completing the questionnaire on the electronic tablet?

Probes:
What did you like? Not like? Did you have any problems with the tablet format? (or do you think that your patients might have any problems with the tablet?)

16. Who do you think is the ideal person to administer the SF-HDQ in clinic?

Probes:
Type of health provider? Administrative personnel? Does it matter?

17. When do you think would be the ideal time to administer the SF-HDQ in clinic? How often?

Probes:
Prior to attending the clinic? At the clinic but before your appointment with health provider? Explain.

Scoring

The SF-HDQ is scored on a scale from 0-100 with higher scores indicating greater presence, severity and episodic nature of disability: (Provide an example of what SF-HDQ score sharing might look like – SF-HDQ item responses; domain summary numeric scores, and visual bar graph)

Date Last Revised: February 13, 2022

18. What do you think about seeing / sharing SF-HDQ scores immediately after you complete / administer the questionnaire?

Probes:
What about sharing the domain scores (6 domain scores) each for severity, presence, and episodic nature of disability?

What about seeing / sharing specific SF-HDQ item responses for all 35 questions?

What do you think would be the best FORMAT to share scores (e.g. numeric, bar graph, items, domain scores, etc)?
What might the PROCESS of sharing scores look like (e.g. discussion with patient and provider)?

19. What might be some reasons behind your preferences to receive (share) / not receive (not share) domain scores or item responses?

Probes:
What might be some strengths of seeing / sharing scores?
What might be some concerns or limitations?

20. How might patients use the SF-HDQ scores (summary scores; individual item responses)?

21. How might clinicians use them? (aka – what would we do with the numbers?)

22. In summary, how might you recommend SF-HDQ scores be shared with patients / used by clinicians?

Episodic Nature of Disability

23. What do you think about the way in which the SF-HDQ asks about fluctuations in health related challenges?

Probes:
Can you think about what is a good day for you and what is a bad day for you – have you experienced both a good day and a bad day within the last week? Last 2 weeks? Last month?
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How often do your episodes occur? Do you think that it is possible to capture the episodic nature of disability on this questionnaire? If so, please explain how this might occur? Timeline – 1 week episodes ups and downs? 2 weeks for the episodes? Should we ask about the last month for the episodic nature? How can we capture that in a questionnaire?

Summary

Do you have anything else you wish to say about the questionnaire that you completed today in relation to the way it captures disability?

Do you have any other suggestions for how this questionnaire can better capture and describe disability experienced by adults living with HIV?

Thank you very much for participating in this interview today. Your responses will help to refine this future measure of disability.

For Adult Living with HIV Participants: If you feel that today’s discussion has raised any difficult issues for you, or if you wish to pursue support or want to talk more about any of the topics discussed today, feel free to talk to the staff at __________ for more support.