

Table 2 QUIRKS-Patient Items

Original Item	Original Answer Options	Comments (n/N)	Final Scale Item	Revised Answer Options
1. What sex were you assigned at birth?	<ul style="list-style-type: none"> • Female • Male • Intersex 	<p>Good comprehension, retrieval, judgement, and response formulation (5)</p> <p>Participant 7 had preference for “born” as opposed to “assigned”</p>	1. What sex were you assigned at birth?	<ul style="list-style-type: none"> • Female • Male • Intersex (people whose sex falls between male-typical and female-typical forms)
2. What is your gender identity? (select all that apply)	<ul style="list-style-type: none"> • Agender • Cisgender man • Cisgender woman • Genderqueer • Nonbinary • Questioning • Transgender man • Transgender woman • Two-spirit • Another gender • I prefer not to answer • I do not understand the question 	<p>Difficulty understanding all of the response options (3), particularly:</p> <ul style="list-style-type: none"> • Cisgender (3) • Agender (3) • Two-spirit (3) • Genderqueer vs nonbinary (2) • Questioning (1) <p>Long list of options could interfere with response formulation (2)</p> <p>“Seeing the other ones there that I had never heard of before threw a wrench in my thought pattern.” - Participant 7</p> <p>“My first initial reaction is, ‘Wow, that’s a really long list.’ It’s almost hard to find yourself in there.” - Participant 5</p> <p>Options would be affirming for many (2)</p> <p>“Fabulous that there are more options ... it’s really great for so many people to see each other in there.” - Participant 5</p> <p>“I think it’s very appropriate to have very many options to choose.” - Participant 6</p>	<p>2. What is your gender identity? (select all that apply)</p> <p>Note: It is okay if you are not familiar with all of these terms. Choose the term or terms that best fit with your identity.</p>	<ul style="list-style-type: none"> • Agender (neither male nor female) • Cisgender man (assigned male at birth, identifies as male) • Cisgender woman (assigned female at birth, identifies as female) • Genderqueer (neither male nor female exclusively) • Nonbinary (neither male nor female exclusively) • Questioning (questioning gender identity) • Transgender man (assigned female at birth, identifies as male) • Transgender woman (assigned male at birth, identifies as female) • Two-spirit (having both feminine and masculine qualities) • Another gender • I prefer not to answer • I do not understand the question

<p>3. What is your sexual orientation? (select all that apply)</p>	<ul style="list-style-type: none"> • Asexual • Bisexual • Gay • Lesbian • Pansexual • Queer • Questioning • Same-gender loving • Straight/Heterosexual • Two-spirit • Another sexual orientation • I prefer not to answer • I do not understand the question 	<p>Difficulty understanding all response options (4), particularly:</p> <ul style="list-style-type: none"> • Pansexual (3) • Asexual (2) <p>Similar reactions to the previous question, where participants acknowledged it was a long list but affirming.</p>	<p>3. What is your sexual orientation? (select all that apply)</p> <p>Note: It is okay if you are not familiar with all of these terms. Choose the term or terms that best fit with your identity</p>	<ul style="list-style-type: none"> • Asexual • Bisexual • Gay • Lesbian • Pansexual • Queer • Questioning • Same-gender loving • Straight/Heterosexual • Two-spirit • Another sexual orientation • I prefer not to answer • I do not understand the question
			<p>Thinking about <u>the last time you visited your cancer care provider</u>, please answer the following questions:</p>	
<p>4. There are signs in the cancer clinic that welcome lesbian, gay, bisexual, and transgender (LGBT) patients.</p>	<ul style="list-style-type: none"> • Yes • No • I don't know 	<p>Confusion about comprehension of "signs":</p> <p><i>"Physical sign and poster on the wall."</i> - Participant 5 (3)</p> <p><i>"People might be thinking literally, are there welcome signs up, or are people treating me and respecting me and giving me opportunities to feel welcomed at the clinic?"</i> - Participant 6</p>	<p>4. There are cues in my cancer care provider's office that welcome lesbian, gay, bisexual, and transgender (LGBT) patients.</p>	<ul style="list-style-type: none"> • Yes • No • I don't know
<p>5. There are signs in the cancer clinic that welcome various racial and ethnic groups.</p>	<ul style="list-style-type: none"> • Yes • No • I don't know 	<p><i>"You should spell that out a little more in terms of what you want people to think of ... signs, pamphlets, magazines, things of that sort."</i> - Participant 9</p> <p>Participant 5 found it challenging to judge how to answer the question since they had not been at the clinic for an extended period of time.</p> <p><i>"The last time I was there was about a year ago. If they've been put up since then, I don't know ... I don't know because I don't know what is up there currently. Pictures on a wall can change a lot in a year."</i> - Participant 5</p> <p>Participant 7 suggested phrasing as a question: "Are there signs ...?"</p> <p>Participant 8 suggested utilizing a different neutral answer option that is more applicable to the question (ie, "I don't remember if there are signs.")</p> <p>Good response formulation overall (5)</p>	<p>5. There are cues in my cancer care provider's office that welcome various racial and ethnic groups.</p>	<ul style="list-style-type: none"> • Yes • No • I don't know

<p>6. My doctor's intake form or process allows patients to indicate if they would like to be called by a name other than their legal name.</p>	<ul style="list-style-type: none"> • Yes • No • I don't know 	<p>"Intake form or process" interpreted as forms upon entry (4)</p> <p><i>"It reminded me of, you gotta go in, you gotta fill out your health information, so I did think of literally paper forms that would be completed."</i> - Participant 6</p> <p>"Intake form or process" may be too limiting (2)</p>	<p>6. At my cancer care provider's office, I have opportunities to easily document my name in use if different from my legal name.</p>	<ul style="list-style-type: none"> • Yes • No • I don't know
<p>7. My doctor's intake form or process asks patients for their pronouns</p>	<ul style="list-style-type: none"> • Yes • No • I don't know 	<p><i>"Where my mind goes is thinking about how patients come into the system ... It's complex ... where that could or should happen. I don't think of it as a doctor's intake form though."</i> - Participant 8</p> <p><i>"I did not see this on the intake form, but I was asked by the nurse that was taking my vital signs to disclose my sexual orientation."</i> - Participant 6</p>	<p>7. At my cancer care provider's office, I have opportunities to easily document my pronouns if I choose to do so.</p>	<ul style="list-style-type: none"> • Yes • No • I don't know
<p>8. My doctor's intake form or process provides an opportunity for patients to disclose their sexual orientation.</p>	<ul style="list-style-type: none"> • Yes • No • I don't know 	<p>Uncertainty about how to reconcile different practices among different doctors (2)</p> <p><i>"I'm trying to remember the intake forms for different doctor's offices. Not all of them, but I think one or two had a line on there like, 'What would you like to be called?'"</i> - Participant 7</p> <p><i>"The question is, are you asking someone about one specific doctor's office or all of their doctors' offices? Rarely are you seeing one doctor – you're seeing 20 doctors, especially if you have cancer."</i> - Participant 5</p> <p>Difficulty with retrieval (1)</p> <p><i>"Because it's been a while, it's kind of hard, but for the most part, I remember most of it, but some things are kind of hard to remember."</i> - Participant 7</p> <p>To be more general and allow for different points of entry/staff, Participant 8 suggested rewording to "Did anyone in the clinic or the doctor's office ask my preference about my name" or "Does the office or cancer center...?" or "Was there a point at which someone gave me the opportunity to disclose my sexual orientation?"</p>	<p>8. At my cancer care provider's office, I have opportunities to easily document my sexual orientation if I choose to do so.</p>	<ul style="list-style-type: none"> • Yes • No • I don't know
			<p>Thinking about <u>all aspects of your healthcare</u>, please answer the following questions:</p>	

<p>9. I don't understand why healthcare providers ask me about both sex assigned at birth and gender identity.</p>	<ul style="list-style-type: none"> • Strongly agree • Agree • Disagree • Strongly disagree • I don't know 	<p>Negative phrasing can affect response formulation (3)</p> <p><i>"The statement is written in a negative – it's confusing to make that switch in your head. It might be clearer if you change it to 'I understand why' or change the scale to be 'I understand, I kind of understand, I'm not sure, I kind of don't understand.'" - Participant 5</i></p> <p><i>"Is it 'I strongly agree that I don't understand...' 'I strongly disagree that I don't understand why they ask me...' I really can't answer that question the way it's posed." - Participant 9</i></p> <p>Participant 7 found the question surprising</p> <p><i>"I had to read it through a couple times because when I first read it, I don't think I was ready for it. The second time I read it, it started to make me think, 'are they actually doing it?' The second time I read it, I got it." - Participant 7</i></p> <p>"I don't understand" could be referring to terminology or relevance (1)</p> <p><i>"I think it's an unclear question ... Are you trying to see if [the] patient understands [the] difference between the two terms, or trying to assess something else? ... If assessing relevance to care, possibly reword to 'I don't understand how a healthcare provider will use the information about my sex assigned at birth and gender identity in making healthcare decisions with me.'" - Participant 8</i></p> <p>Participant 9 suggested changing it to "Should healthcare providers ask me ..." or "Is it important for healthcare providers to ask me..."</p> <p>Participant 8 felt "I don't know" is not a relevant neutral option</p> <p><i>"Because it's asking about understanding, it's not a hard and fast fact." - Participant 8</i></p>	<p>13. I understand why my healthcare provider asks me about both sex assigned at birth and gender identity.</p>	<ul style="list-style-type: none"> • Strongly agree • Agree • Disagree • Strongly disagree • I don't know
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<p>10. I feel uncomfortable when healthcare providers ask me about my sex assigned at birth.</p>	<ul style="list-style-type: none"> • Strongly agree • Agree • Disagree • Strongly disagree • I don't know 	<p>Unsure how to answer if never asked before (2)</p> <p><i>"I can't answer because no one has ever asked me about my sex assigned at birth, so it does not apply to me. So, I don't know if it's an uncomfortable or comfortable feeling."</i> - Participant 9</p>	<p>14. I am comfortable when my healthcare provider asks me about my sex assigned at birth.</p>	<ul style="list-style-type: none"> • Strongly agree • Agree • Disagree • Strongly disagree • I don't know
<p>11. I feel uncomfortable when healthcare providers ask me about my gender identity.</p>	<ul style="list-style-type: none"> • Strongly agree • Agree • Disagree • Strongly disagree • I don't know 	<p>Negative phrasing can affect response formulation (1)</p> <p><i>"There could be a case for making it 'I feel comfortable' and that might help. But this one wasn't as bad or as hard. An option could be to change it to 'comfortable.' In people's brains, it's an easier jump."</i> - Participant 5</p> <p>Connotations for uncomfortable vs comfortable (2)</p> <p><i>"I see rationale for saying uncomfortable and giving validation to people who are uncomfortable."</i> - Participant 5</p> <p><i>"By saying 'I feel uncomfortable,' is there a stigma in feeling uncomfortable as opposed to, when in the affirmative, you could disagree and be honest about it. I wonder if making it 'uncomfortable' is associated with being a difficult patient. 'I'm supposed to adapt to the system and the provider, and if you're asking me if I'm uncomfortable, does that mean my sense of myself is that I'm being difficult and not flexible in some way?'"</i> - Participant 8</p>	<p>15. I am comfortable when my healthcare provider asks me about my gender identity.</p>	<ul style="list-style-type: none"> • Strongly agree • Agree • Disagree • Strongly disagree • I don't know
<p>12. If I understand the reason why my healthcare provider is asking, I am comfortable to disclose my sexual orientation.</p>	<ul style="list-style-type: none"> • Strongly agree • Agree • Disagree • Strongly disagree • I don't know 	<p>Good comprehension, retrieval, judgement, and response formulation (5)</p>	<p>16. If I understand the reason why my healthcare provider is asking, I am comfortable disclosing my sexual orientation.</p>	<ul style="list-style-type: none"> • Strongly agree • Agree • Disagree • Strongly disagree • I don't know
			<p>Thinking about <u>all aspects of your cancer care</u>, please answer the following questions:</p>	

<p>13. I have experienced discrimination in my oncology care.</p>	<ul style="list-style-type: none"> • Strongly agree • Agree • Disagree • Strongly disagree • I don't know 	<p>Lacks specificity (3)</p> <p><i>“Was it discrimination at the front desk? Was it discrimination by your provider? By your healthcare company? By other patients? By another member of the team ... It's a pretty broad term and a pretty broad question. I would question what it's trying to get at and whether it would be more helpful to have more specific questions where they were discriminated at, by who and what type.” - Participant 5</i></p> <p><i>“It's a two-part question. If I look at the overall big picture of everything I've seen, the different women I've spoken to ... then I can say yes, discrimination occurred, and it could be unconscious. If I look at just myself and the care I received, I believe I received the best care that was set for me.” - Participant 7</i></p> <p><i>“Somebody could have a knee-jerk reaction and say yes. Maybe if it were worded something like 'I've experienced personal discrimination in my oncology care.' ... 'I've experienced it' could mean you witnessed it.” - Participant 8</i></p> <p>Difficulty with retrieval (1)</p> <p><i>“I think back to experiences I may have had that didn't feel right because I was a woman, and maybe I felt like this male doctor was talking down to me or dismissing a concern I had, but it's been too long to feel like I can definitively answer that question right.” - Participant 5</i></p> <p>Good comprehension of “discrimination” despite general term (5)</p> <p><i>“It does need to be general and not too specific, and I say that because, again, people have their own sense of what they experience and what they consider to be discriminatory, and I think leaving it very general, it's important to do that so people have an opportunity to reflect back.” - Participant 6</i></p>	<p>9. I have personally experienced discrimination in a cancer care interaction.</p>	<ul style="list-style-type: none"> • Strongly agree • Agree • Disagree • Strongly disagree • I don't know
			<p>Thinking about all aspects of your healthcare, please answer the following questions:</p>	

<p>14. I feel like I can talk to my health-care team about my sexual health needs</p>	<ul style="list-style-type: none"> • Strongly agree • Agree • Disagree • Strongly disagree • I don't know 	<p>"I feel like I can" is vague (2)</p> <p><i>"I feel like I can talk" – it could mean 'I feel comfortable,' 'I feel like they make the time for me,' 'I feel like they ask,' 'I feel like I can give an answer,'... there are a lot of implications of what it can refer to. Are you trying to get at the possibility of having a conversation, or are you looking at, 'is the patient comfortable at bringing something up or responding to a question?' It's a little confusing for me." - Participant 8</i></p> <p><i>"This question to me speaks to two aspects: (1) Does the patient feel confident and comfortable having these conversations, and (2) Is the provider open and welcoming of these topics? In that vein, do they invite the conversation, do they ask questions to make the topic more comfortable, or are they responsive when the patient brings it up? This question splits into patient's willingness and provider's willingness." - Participant 5</i></p>	<p>17. I appreciate when my health-care provider asks me about my sexual health.</p>	<ul style="list-style-type: none"> • Strongly agree • Agree • Disagree • Strongly disagree • I don't know
		<p>Participant 9 suggested asking about psychosocial health needs</p>	<p>18. I appreciate when my health-care provider asks me about my psychosocial health.</p>	<ul style="list-style-type: none"> • Strongly agree • Agree • Disagree • Strongly disagree • I don't know
			<p>Thinking about all aspects of your cancer care, please answer the following questions:</p>	
<p>15. My oncology care team provides high-quality clinical care to me.</p>	<ul style="list-style-type: none"> • Strongly agree • Agree • Disagree • Strongly disagree • I don't know 	<p>Good comprehension, retrieval, judgement, and response formulation (5)</p> <p>Uncertain if patients know what high-quality clinical care is, objectively (1)</p> <p><i>"How does a patient even know they're getting high-quality clinical care?" But if you're just getting at perception, then the question is totally fine." - Participant 8</i></p>	<p>11. My cancer care team provides high-quality clinical care to me personally.</p>	<ul style="list-style-type: none"> • Strongly agree • Agree • Disagree • Strongly disagree • I don't know
<p>16. My oncology care team asks me about my values and preferences when establishing goals of care.</p>	<ul style="list-style-type: none"> • Strongly agree • Agree • Disagree • Strongly disagree • I don't know 	<p>Good comprehension, retrieval, judgement, and response formulation (4)</p> <p>Values may not be appropriate (1)</p> <p><i>"I don't think values is the right word for what is important. You do have to establish goals in your care based on your lifestyle. Instead of values, I would say, 'asks me about my lifestyle and preferences when establishing goals of care.'" - Participant 9</i></p>	<p>12. My cancer care provider asks me about my values and preferences when establishing goals of care.</p>	<ul style="list-style-type: none"> • Strongly agree • Agree • Disagree • Strongly disagree • I don't know
<p>17. Overall, I am satisfied with my oncology care.</p>	<ul style="list-style-type: none"> • Strongly agree • Agree • Disagree • Strongly disagree • I don't know 	<p>Good comprehension, retrieval, judgement, and response formulation (5)</p>	<p>13. Overall, I am satisfied with my cancer care.</p>	<ul style="list-style-type: none"> • Strongly agree • Agree • Disagree • Strongly disagree • I don't know

18. Please offer any additional comments you would like to share.	Open text		19. Please offer any additional comments you would like to share.	Open text
Revisions are in boldface .				