

Appendix. Definition and Reliability of SOPHIA Health-Related Quality of Life and Sexual Functioning Measures

Domain*	No. of items	Definition	Mean (SD)	Observed Range[†]	Internal Consistency Reliability
Attitudes					
Benefit of not having a uterus	3	Would be happy to not need birth control, avoid menstruation; believe a uterus is useless to a women who have completed childbearing (strongly disagree, disagree, neutral, agree, strongly agree).	3.8 (1.3)	1 - 7	0.50
Hysterectomy concerns	3	A hysterectomy would make me feel sad about losing my fertility, violated, older.	4.0 (1.7)	1 - 7	0.73
Value of having a uterus	2	Having a uterus makes me feel complete as a woman, and is important to the enjoyment of sex.	4.5 (1.6)	1 - 7	0.74
Symptom Resolution and Satisfaction					
Symptom resolution	1	Extent to which pelvic problems solved (completely, partially, somewhat, not at all).	24 (26)	0 - 100	N/A
Satisfaction with symptoms	1	Feelings about spending the rest of life feeling the way they do now – symptoms no better and no worse (delighted, pleased, mostly satisfied, mixed, mostly dissatisfied, very dissatisfied).	45 (25)	0 - 100	N/A

Online appendix to Kuppermann M, Learman LA, Schembri M, Gregorich S, Jacoby A, Jackson RA et al. Effect of Noncancerous Pelvic Problems on Health-Related Quality of Life and Sexual Functioning. *Obstet Gynecol* 2007;110: 633–42.

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Domain*	No. of items	Definition	Mean (SD)	Observed Range[†]	Internal Consistency Reliability
Pelvic problem impact	12	How much did pelvic problems interfere with your mood, exercise, walking, sleep, work, recreation, enjoyment, clothing choices, relationships, mobility, travel; make you feel embarrassed or ashamed (not at all, a little bit, moderately, quite a bit, a great deal); all items reversed so that higher scores indicate less impact.	33 (24)	0 - 100	0.94
General Health, Health Perceptions, and Health-Related Quality of Life[†]					
Overall health	1	Rating of health (excellent, good, very good, good, fair, poor).	57 (26)	0 - 100	N/A
Satisfaction with health	1	Feelings about health right now.	42 (20)	0 - 100	N/A
MOS Health Distress Scale	5	How true or false are statements: "My health is excellent"; "I am as healthy as anybody I know"; "I seem to get sick a little easier than other people"; "I expect my health to get worse"; and "Good health is in my future."	66 (21)	0 - 100	0.73
MOS SF-36 Mental Component Summary	35	SF-36 Version 1	46 (12)	10 - 67	0.86

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Domain*	No. of items	Definition	Mean (SD)	Observed Range[†]	Internal Consistency Reliability
MOS SF-36 Physical Component Summary	35	SF-36 Version 1	46 (10)	18 - 71	0.86
Sexual Functioning and Body Image[†]					
Sex importance	1	How important a part of your life is your sexual activity?	74 (29)	0 - 100	N/A
MOS Sexual Problems Scale (reversed)	4	Problems enjoying sex, becoming aroused, having orgasm; lack sexual interest (not a problem, little of a problem, somewhat of a problem, very much of a problem).	69 (29)	0 - 100	0.86
Sexual desire	4	Frequency of sexual desire and activity weeks (never, 1-2, 3-4, 5-6, or greater than 6 times), how much of a problem was lack of sexual interest, inability to relax and enjoy sex (not at all, little, somewhat, very much).	50 (31)	0 - 100	0.72
Orgasm frequency and quality	4	How much of a problem in past 4 weeks was having an orgasm, frequency of feeling satisfied after and having orgasm during sex, intensity of orgasm when experienced (very mild, mild, moderate, somewhat strong or intense).	70 (24)	0 - 100	0.85

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Domain*	No. of items	Definition	Mean (SD)	Observed Range [†]	Internal Consistency Reliability
Satisfaction with sex	2	Extent to which satisfied with ability to have and enjoy and frequency of sex (very, somewhat satisfied; neither satisfied nor dissatisfied; somewhat, very dissatisfied).	57 (31)	0 - 100	0.78
Pelvic problems interference with sex	3	Frequency of pain during sexual activity (never, rarely, sometimes, most of the time, all of the time) and extent to which bleeding, pelvic pain and pelvic problems overall interfered with sexual activity (not at all, slightly, moderately, quite a bit, extremely).	64 (30)	0 - 100	0.82
Body image	4	Frequency of feeling feminine, good about body, physically attractive, sexually attractive (usually, often, sometimes, occasionally, never).	62 (19)	0 - 100	0.71

SOPHIA, Study of Pelvic Problems, Hysterectomy, and Intervention Alternatives; MOS, Medical Outcomes Study; SF-36, Short Form-36.

* Time frame for all measures except satisfaction with health (which asked about satisfaction with health “right now”) was past month or 4 weeks.

† Possible range for attitude measures was 1 to 7, with 7 indicating more endorsement of attitude (ie, more benefit, more concerns and more value, respectively). The range for all other scales was 0 to 100. Scales reversed when appropriate so the 100 always signifies most optimal health or functioning.

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