

Research Summary – Female Sexual Function Index (FSFI) – Sexuality and Reproduction

Author Year Research Design Setting (country)	Demographics and Injury Characteristics of Sample	Validity	Reliability	Responsiveness Interpretability
<p>Wolpe et al. 2017</p> <p>Selected from five different universities in Florianopolis, Brazil.</p>	<p>N=246 Mean age (±SD): 22.85 (±5.59)</p> <p>Marital Status: Single: 78.9% Married: 15% Widowed: 0.4% Did not report: 5.7%</p> <p>Education: Incomplete higher education: 89% Complete higher education: 4% Graduates: 0.8% Did not report: 5.2%</p> <p>Family Income: <R\$362,000: 45% R\$362,000-724,000: 34.7% >R724,000: 7.7%</p>	<p>Correlation between original FSFI and FSFI-VAS: r=0.87</p> <p>All domains had a correlation higher than 0.70</p>	<p>Test-retest, Inter-rater, Intra-rater: Test retest: ICC= 0.94 (ICC reported for total score)</p>	

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	Did not have family income: 12.6%			
<p data-bbox="212 821 443 886">Carpenter et al. 2016</p> <p data-bbox="212 938 443 1036">Recruited from multiple communities</p>	<p data-bbox="474 496 810 602">N=898 Mean Age (±SD): 54.47 (±3.83) years</p> <p data-bbox="474 654 751 719">Married/living with partner: 63.2%</p> <p data-bbox="474 771 783 836">Bachelors' Degree or Higher: 52.7%</p> <p data-bbox="474 888 724 920">Employed: 69.7%</p> <p data-bbox="474 972 804 1281">Ethnicity: Caucasian: 62.4% African American: 33.9% Hispanic: 2.8% Asian American: 2.3% Native American: 2.0% Other: 3.3%</p> <p data-bbox="474 1333 804 1365">Perimenopausal: 18.1%</p>			

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	Postmenopausal: 81.9%			
Crisp et al. 2014 Online and paper survey	N=151 Mean Age (±SD): 43.4 (±9.8) years Ethnicity: Caucasian: 131 (85.6%) African American: 18 (11.8%) Hispanic: 1 (0.7%) Asian: 0 (0%) Other: 2 (1.3%) Prefer not to answer: 1 (0.7%) Relationship Status: Single: 32 (21.1%) Married: 101 (66.4%) Separated: 6 (3.9%) Divorced: 10 (6.6%) Widowed: 3 (2.0%) Employment: Full Time: 90 (59.2%)	Correlation between online and paper FSFI tests: Total Score: r=0.934 (P=0.91) Desire: r=0.838 (P=0.10) Arousal: r=0.896 (P=0.23) Lubrication: r=0.900 (P=0.12) Orgasm: r=0.871 (0.24) Satisfaction: r=0.848 (P=0.67) Pain: r=0.851 (P=0.43)		

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	Part Time: 25 (16.4%) Unemployed: 22 (14.5%) Retired: 4 (2.6%) Disabled: 11 (7.2%)			
Kalmbach et al. 2013 Cross-sectional study	N=748 women (1258 total) Mean age: 19.56 Mean age range: 18-29 years	Results from confirmatory factor analysis: Chi squared: 303.01 (P=0.001) Comparative fit index: 0.97 Tucker-Lewis index: 0.95 Root mean square error approximation: 0.04	Test-retest, inter-rater, intra-rater: Cronbach alpha value: Desire: 0.89 Arousal: 0.87 Lubrication: 0.81 Orgasm: 0.88 Satisfaction: 0.87 Pain: 0.86	Mean (SD) of FSFI Measures before scaling: Desire: 6.65 (2.02) Arousal: 16.33 (3.59) Lubrication: 17.69 (3.05) Orgasm: 11.17 (3.52) Satisfaction: 12.28 (2.99) Pain: 12.63 (2.77)
Isidori et al. 2010 Three outpatient clinics	N=200 (incl. 40 excluded) Sexual dysfunction (FSD): n=105 No sexual dysfunction (control): n=55 Mean age (±SD): 34.9 (±6.9)		Test-retest, Inter-rater, Intra-rater: Cronbach alpha value: 0.789 Test retest analysis: r=0.95 (P < 0.001, 95% CI 0.935–0.964)	

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	<p>Mean age range: 21-49</p> <p>Mean age FSD group (±SD): 35.7 (±6.9) Mean age range FSD group: 22-51</p> <p>Mean age control group (±SD): 33.5 (±6.8) Mean age range control group: 21-48</p> <p>Other health conditions: Pain disorders: 19% Orgasmic disorders: 38% Lubrication disorders: 40% Excitation disorders: 43% Sexual desire disorder: 73%</p>			
<p>Rosen et al. 2000</p>	<p>N=259 (131 controls, 128 women with female</p>	<p>The mean difference in scores between the FSAD and control</p>	<p>Test-retest, Inter-rater, Intra-rater Test-Retest Range for</p>	<p>Mean (SD) of FSFI measures of women with female sexual</p>

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Validation study Five research centers	sexual arousal disorder) Age Range: 21-69	groups is highly significant ($p < 0.001$).	FSFI domains (full sample): $r=0.79-0.86$ Test-Retest Range for FSFI domains (female sexual arousal disorder group): $r=0.62-0.80$ Test-Retest Range for FSFI domains (control group): $r=0.77-0.89$ Mean Test-Retest value (full sample): 0.88 Mean Test-Retest value (female sexual arousal disorder group): 0.70 Mean Test-Retest value (control group): 0.91 Cronbach alpha value (full sample): 0.97 Cronbach alpha value (female sexual arousal disorder group): 0.93j	arousal disorder before scaling: Desire: 4.7 (2.12) Arousal: 9.7 (4.78) Lubrication: 10.9 (5.48) Orgasm: 7.1 (4.08) Satisfaction: 8.2 (3.59) Pain: 10.1 (4.64) Scaled total score: 19.2 (6.63)

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			Cronbach alpha value (control group): 0.95	
Wiegel et al. 2005	<p>N=568 With sexual dysfunction: 307 (54%) Without sexual dysfunction: 261 (46%)</p> <p>Mean Age (±SD): 36.2 (±13.2) Age Range: 18-74</p> <p>Ethnicity: Caucasian: n=49 (73.3%) African American: n=49 (8.7%) Hispanic/Hispanic American: n=44 (7.8%) Asian American: n=10 (1.8%) Native American: n=3 (0.5%) Other/Unknown: n=44 (7.8%)</p>		<p>Test-retest, Inter-rater, Intra-rater: Cronbach alpha value: >0.9</p>	

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	Marital Status: Single: n=466 (44.2%) Married: n=201 (43.1%) Divorced: n=59 (12.7%)			
Burri et al. 2010 King's College London, St. Thomas' Hospital, London, UK	N=1489 Mean Age (±SD): 56.3 (±11.63) years Age Range: 25-82	Results from confirmatory factor analysis: Original FSFI: Chi squared to d.f. ratio: 2.5 (P=0.09) Comparative fit index: 0.96 Tucker-Lewis index: 0.960 Root mean square error approximation: 0.06 Modified lifelong FSFI: Chi squared to d.f. ratio: 2.9 (P=0.06) Comparative fit index: 0.96 Tucker-Lewis index: 0.95	Test-retest, Inter-rater, Intra-rater: Cronbach alpha value (original FSFI): 0.76- 0.93 Cronbach alpha value (modified lifelong FSFI): 0.79-0.92	

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Last updated: January 26th, 2024

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		Root mean square error approximation: 0.06		