Appendix 1. Questions Assessing Frequency and Type of Urinary Incontinence in RRISK3

Questions	
Frequency of incontinence	To assess incontinence, participants were asked, “During the past 3 months, how often have you leaked urine, even a small amount?” and further describe incontinence frequency; “never, less than monthly, monthly, weekly, or daily”.
Clinical type of incontinence	Women with at least monthly incontinence were asked to indicate the number of leakage episodes in the past month that occurred “with an activity like coughing, sneezing, or exercise” to identify stress-type incontinence, the number that occurred “with an overwhelming urge to urinate or difficulty with holding your urine” to indicate urgency-type incontinence, and the number that occurred “without an activity or an overwhelming urge to urinate” to indicate other-type incontinence
Bothersome incontinence	Women reporting stress-type, urgency-type, or other-type leakage in the past month were asked how much this leakage bothered them; “not at all”, “slightly”, “moderately”, “quite a bit”, “extremely”.
Frequency of nocturia	Frequency of nocturia was assessed by asking participants how often they urinated, “from the time you go to bed at night until the time you get up in the morning”
Bothersome nocturia	Women who reporting urinating at night were asked to indicate how much this frequency of nighttime urination bothered them: “not at all”, “slightly”, “moderately”, “quite a bit”, “extremely”.

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Appendix 2. Unadjusted Odds of Reporting Urinary Symptoms Associated With Interpersonal Violence Exposures or PTSD Symptoms

	Emotional IPV		Physical IPV		Sexual Assault		PTSD Symptoms		
Urinary incontinence									
Any weekly incontinence ¹	1.41 (1.13-1.77)	<.01	1.08 (.83-1.39)	.58	1.30 (1.03-1.65)	.03	1.39 (1.12-1.74)	<.01	
Any bothersome incontinence ²	1.47 (1.15-1.86)	<.01	1.11 (.84-1.46)	.46	1.51 (1.18-	<.01	1.90 (1.51-	<.001	
Stress incontinence									
Any weekly stress incontinence ³	1.39 (1.09-1.78)	<.01	.98 (.74-1.30)	.89	1.09 (.84-1.41)	.53	1.62 (1.28-	<.001	
Any bothersome stress incontinence ⁴	1.63 (1.24-2.14)	<.001	1.07 (.77-1.48)	.69	1.45 (1.09-	.01	1.82 (1.40-	<.001	
Urgency incontinence									
Any weekly urgency incontinence ⁵	1.37 (1.07-1.74)	.01	1.20 (.91-1.58)	.21	1.40 (1.09-	.01	1.59 (1.25-	<.001	
Any bothersome urgency incontinence ⁶	1.48 (1.14-1.92)	<.01	1.32 (.98-1.78)	.06	1.53 (1.17-	<.01	2.04 (1.59-	<.001	
Nocturia									
Nocturia (>2 times per night) ⁷	1.57 (1.26-1.96)	<.001	1.33 (1.04-1.71)	.02	1.20 (.95-1.51)	.13	1.86 (1.50-2.30)	<.001	
Any bothersome nocturia ⁸	1.66 (1.27-2.18)	<.001	1.40 (1.03-1.90)	.03	1.40 (1.05-	.02	2.52 (1.95-	<.001	

Odds ratios and confidence intervals are derived from separate multivariable logistic regression models examining relationships between each traumatic exposure and each urinary symptom outcome, using data from all study participants without missing variable data.

All models were adjusted for age, race/ethnicity, education, body mass index, parity, menopausal status, prior hysterectomy, hormone therapy, and diuretic use, selected *a priori* due to known associations with urinary tract symptoms

¹Defined by reporting weekly or daily urine leakage in the past 3 months.

²Defined by reporting at least moderate bother associated with any type of urine leakage in the past month.

³Defined by reporting leaking urine with an activity like coughing, lifting, sneezing, or exercise at least 4 times per month.

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⁴Defined by reporting at least moderate bother associated with leaking urine with coughing, lifting, sneezing, or exercise in the past month.

⁵Defined by reporting leaking urine with an "overwhelming urge to urinate" at least 4 times per month.

⁶Defined by reporting at least moderate bother associated with leaking urine with an overwhelming urge to urinate in the past month.

⁷Defined by reporting urinating at least two times per night on a typical night.

⁸Defined by reporting at least moderate bothered by getting up to urinate at night.

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Appendix 3. Adjusted Odds of Reporting Urinary Symptoms Associated With Interpersonal Violence Exposures or PTSD Symptoms, With Additional Adjustment for Participant-Reported Diagnosis of Depression

	Emotional IPV		Physical IPV		Sexual Assault		PTSD Symptoms		
Any-type incontinence									
Any weekly incontinence ¹	1.29 (1.01-1.69)	.04	1.05 (.79-1.39)	.74	1.16 (.90-1.50)	.25	1.40 (1.09-1.80)	<.01	
Any bothersome incontinence ²	1.25 (.96-1.62)	.10	1.05 (.78-1.42)	.74	1.34 (1.03-1.75)	.03	1.83 (1.41-2.36)	<.001	
Stress incontinence									
Any weekly stress incontinence ³	1.30 (1.00-1.65)	.05	.99 (.72-1.35)	.93	.97 (.73-1.28)	.82	1.62 (1.24-2.12)	<.001	
Any bothersome stress incontinence ⁴	1.36 (1.01-1.84)	.04	1.01 (.71-1.43)	.98	1.32 (.97-1.79)	.07	1.80 (1.34-2.43)	<.001	
Urge incontinence									
Any weekly urge incontinence ⁵	1.30 (1.00-1.70)	.05	1.13 (.84-1.53)	.43	1.26 (.96-1.66)	.09	1.58 (1.21-2.06)	<.01	
Any bothersome urge incontinence ⁶	1.30 (.98-1.73)	.07	1.24 (.90-1.71)	.19	1.37 (1.02-1.83)	.03	1.94 (1.46-2.56)	<.001	
Nocturia									
Nocturia (≥2 times per night) ⁷	1.63 (1.28-2.08)	<.001	1.30 (.99-1.70)	.06	1.21 (.94-1.55)	.13	1.81 (1.43-2.30)	<.001	

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Any bothersome nocturia ⁸	1.52 (1.14-2.02)	<.01	1.32 (.96-1.81)	.09	1.27 (.95-1.71)	.11	2.39 (1.81-3.14)	<.001
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Odds ratios and confidence intervals are derived from separate multivariable logistic regression models examining relationships between each traumatic exposure and each urinary symptom outcome, using data from all study participants without missing variable data.

All models were adjusted for age, race/ethnicity, education, body mass index, parity, menopausal status, prior hysterectomy, hormone therapy, diuretic use, and participant report of prior physician diagnosis of depression

¹Defined by reporting weekly or daily urine leakage in the past 3 months.

²Defined by reporting at least moderate bother associated with any type of urine leakage in the past month.

³Defined by reporting leaking urine with an activity like coughing, lifting, sneezing, or exercise at least 4 times per month.

⁴ Defined by reporting at least moderate bother associated with leaking urine with coughing, lifting, sneezing, or exercise in the past month.

⁵Defined by reporting leaking urine with an "overwhelming urge to urinate" at least 4 times per month.

⁶Defined by reporting at least moderate bother associated with leaking urine with an overwhelming urge to urinate in the past month.

⁷Defined by reporting urinating at least two times per night on a typical night.

⁸Defined by reporting at least moderate bothered by getting up to urinate at night.

Appendix 4. Adjusted Odds of Reporting Urinary Symptoms Associated With Interpersonal Violence Exposure or PTSD Symptoms, With Further Adjustment for Current Depression Symptoms

	Emotional IPV		Physical IPV		Sexual Assault		PTSD Symptoms		
Any-type incontinence									
Any weekly incontinence ¹	1.32 (1.03-1.70)	.03	1.05 (.79-1.39)	.74	1.16 (.90-1.50)	.25	1.36 (1.05-1.77)	.02	
Any bothersome incontinence ²	1.30 (1.00-1.69)	.049	1.05 (.78-1.42)	.74	1.37 (1.05-1.79)	.02	1.80 (1.37-2.36)	<.001	
Stress incontinence									
Any weekly stress incontinence ³	1.30 (1.00-1.65)	.05	.99 (.72-1.35)	.93	.97 (.73-1.28)	.82	1.70 (1.29-2.26)	<.001	
Any bothersome stress incontinence ⁴	1.45 (1.08-1.95)	.01	1.01 (.71-1.43)	.98	1.32 (.97-1.79)	.07	1.90 (1.39-2.60)	<.001	
Urge incontinence									
Any weekly urge incontinence ⁵	1.30 (1.00-1.70)	.05	1.13 (.84-1.53)	.43	1.26 (.96-1.66)	.09	1.40 (1.05-1.86)	.02	
Any bothersome urge incontinence ⁶	1.32 (.99-1.76)	.06	1.24 (.90-1.71)	.19	1.37 (1.02-1.83)	.04	1.88 (1.40-2.54)	<.001	
Nocturia									
Nocturia (≥2 times per night) ⁷	1.69 (1.32-2.15)	<.001	1.34 (1.02-1.75)	.04	1.21 (.94-1.55)	.13	1.88 (1.46-2.42)	<.001	
Any bothersome nocturia ⁸	1.62 (1.22-2.15)	<.01	1.32 (.96-1.81)	.09	1.27 (.95-1.71)	.11	2.56 (1.91-3.42)	<.001	

Odds ratios and confidence intervals are derived from separate multivariable logistic regression models examining relationships between each traumatic exposure and each urinary symptom outcome, using data from all study participants without missing variable data.

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All models were adjusted for age, race/ethnicity, education, body mass index, parity, menopausal status, prior hysterectomy, hormone therapy, diuretic use, and current Hospital Anxiety Depression Scale—Depression Subscale score >8

¹Defined by reporting weekly or daily urine leakage in the past 3 months.

²Defined by reporting at least moderate bother associated with any type of urine leakage in the past month.

³Defined by reporting leaking urine with an activity like coughing, lifting, sneezing, or exercise at least 4 times per month.

⁴Defined by reporting at least moderate bother associated with leaking urine with coughing, lifting, sneezing, or exercise in the past month.

⁵Defined by reporting leaking urine with an "overwhelming urge to urinate" at least 4 times per month.

⁶Defined by reporting at least moderate bother associated with leaking urine with an overwhelming urge to urinate in the past month.

⁷Defined by reporting urinating at least two times per night on a typical night.

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