

# URINARY DOMAIN (SYMPTOMS)

Category/Concept	Coherence in Measurement & Classification		Adequacy of Data		Relevance of Concept		
	Concerns	Explanation	Tier 1 Grade	Tier 2 & 3 Level	Bothersome mean %	Prevalence mean %	Prevalence [Range]
URINARY DYSFUNCTION	Moderate	Composite concept may include multiple experiences	A +	3	5%	40%	[17-97%]
Urinary frequency	Moderate	Appears to be individually defined; Not clearly defined	D	4	13%	56%	[26-80%]
Urinary urgency	-	Limited evidence; No disconfirming evidence	D	4	2%	23%	[14-69%]
Nocturia	Moderate	One Tier 3 study disconfirming presence in early PD <3 YSD; Not clearly defined	C	3 -	14%	47%	[17-87%]
Incomplete voiding	UA	No evidence in early PD <3 YSD	X	x	-	32%	[17-40%]
Urinary incontinence	-	Limited evidence; No disconfirming evidence	C	4	3%	23%	[2-35%]
Urinary infections	UA	No evidence in early PD <3 YSD	X	x	-	-	-
Weak urine stream	UA	Limited evidence; No disconfirming evidence	X	4	-	40%	[39-41%]

**Notes.** PD= Parkinson's disease; UA=Unable to assess due to limited data; YSD=Years since diagnosis of Parkinson's disease; **Tier 1 Grade** A+=100% (Green), A=75-99% (Green), B=50-74% (Yellow), C=25-49% (Orange), D=1-24% (Gray), X=No studies supporting presence in early PD (Black); **Tier 2 & 3 Level** 1=75-100% (Green), 2=50-74% (Yellow), 3=25-49% (Orange), 4=1-24% (Gray), x=No Tier 2 or 3 studies supporting presence in early PD (Black). Minus sign "-" in Grade or Level indicates presence of disconfirming evidence. Color coding is used for visual identification of concepts with greater supporting evidence in Grade and Level. For bothersomeness and prevalence, darker colors indicate higher average frequency in studies reporting.