

SENSORY 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 %	[Range]	
FIVE SENSES		Proposed concept category						
Vision	Moderate	Ambiguity in what is being measured	B	x	1%	9%	[5-11%]	
Light sensitivity	UA	Very limited data	X	4	-	21%	[2-27%]	
Double vision	UA	Limited data; One Tier 1 study disconfirming presence in early PD <3YSD	D -	4	-	5%	[3-7%]	
Dry eyes	UA	Very limited data	D	x	-	3%	-	
Altered taste	UA	Limited data	D	4	1%	25%	-	
Altered smell	-	Strong evidence all Tiers	A	3	2%	29%	[16-50%]	
Impaired hearing	UA	Limited data	D	x	-	5%	-	
Impaired sensation	Moderate	Inconsistent use in terminology for touch subconcepts	B	x	2%	16%	[1-29%]	
Impaired sensation in hands/feet	Moderate	Peripheral neuropathy (diagnosis) used interchangeably with numbness	D	4	-	27%	[15-38%]	
Impaired vibratory sense	Moderate	Vibratory sense colloquially confounded with tremor	X	4	-	55%	-	
Numbness	Moderate	Peripheral neuropathy (diagnosis) used interchangeably with numbness	C	x	3%	15%		
Impaired temperature sensation	Severe	No evidence in early PD <3YSD; One Tier 1 study disconfirming; Inconsistent terms	X -	x	3%	-	-	
Tingling	Moderate	Often reported as merged concept numbness/tingling	C	x	-	13%	[11-15%]	
OTHER SENSATIONS		Proposed concept category						
Pain (general)	Minor	Non-specific - unclear what "pain" encompasses	A +	3	28%	38%	[8-59%]	
Headaches	UA	Limited data	D	x	1%	-	-	
Fatigue/lack of energy	Minor	Often reported as tired/fatigued; one Tier 3 study disconfirming	A +	3 -	28%	50%	[20-76%]	
Physical fatigue	-	No disconfirming evidence	C	x	33%	35%	[33-35%]	
Mental fatigue	-	No disconfirming evidence	B	x	1%	8%	[1-8%]	
Breathlessness (dyspnea)	Moderate	No evidence supporting presence in early PD <3yrs; Disconfirming evidence in Tier 1	X -	x	-	-	-	
Muscle weakness	-	No disconfirming evidence	B	x	4%	20%	[15-27%]	
Heaviness	UA	Very limited data	D	x	-	5%	-	
Impaired body temperature control	Severe	Confused with thermoregulation (autonomic); One Tier 1 study disconfirming	C -	4	2%	25%	[3-57%]	
Heat intolerance	UA	No Tier 1 evidence; very limited data	X	4	-	19%	-	
Cold intolerance	UA	No Tier 1 evidence; very limited data	X	4	-	27%	-	

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.