

DIGESTIVE 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]
MOUTH & THROAT SYMPTOMS		Proposed concept category					
Saliva control		Proposed concept					
<i>Droping</i>	Moderate	One Tier 1 study disconfirming presence in early PD <3 YSD	B -	2	-	30%	[13-49%]
<i>Dry mouth</i>	UA	One Tier 1 study disconfirming presence in early PD <3 YSD	C -	x	-	3%	-
Chewing & Swallowing	Moderate	Double barrelled; Unclear if experienced separably by PwP	A +	2	-	-	-
<i>Chewing</i>	UA	No disconfirming evidence	D	4	5%	22%	[14-30%]
<i>Globus sensation</i>	UA	Sensory perception of obstruction; Not patient oriented	X	4	-	17%	-
<i>Dysphagia</i>	Moderate	Diagnostic classification may comprise multiple experiences; Not patient oriented	X	3	-	15%	[7-21%]
<i>Impaired swallowing</i>	Moderate	No disconfirming evidence; Overlap with choking	A +	3	-	22%	[1-35%]
<i>Choking</i>	Moderate	One Tier 1 study disconfirming presence in early PD <3YSD; Overlap with swallowing	D -	4	9%	19%	[13-28%]
<i>Pain during swallow</i>	UA	Limited evidence; No disconfirming evidence	D	4	1%	6%	-
<i>Altered esophageal transit time</i>	UA	Not patient oriented	X	x	-	-	-
Eating problems NOS	Severe	Unclear definition and use; May comprise multiple experiences	X	x	-	-	-
STOMACH SYMPTOMS		Proposed concept category					
Acid reflux/heartburn	UA	Limited evidence; No disconfirming evidence	X	4	-	7%	-
Early fullness (satiety)	Severe	Unclear definition of concept	X	3	-	15%	[5-21%]
Abdominal pain	UA	Limited evidence; No disconfirming evidence	D	4	1%	9%	-
Nausea & Vomiting	Severe	Double barreled; One Tier 1 study disconfirming in early PD; Measure separately	C -	4	1%	5%	[2-11%]
Bloating/fullness	UA	Limited evidence; No disconfirming evidence	D	4	1%	15%	-
Appetite changes	Severe	May overlap with early satiety/fullness; Two Tier 1 studies disconfirming in early PD	D -	4	-	10%	[5-15%]
BOWEL SYMPTOMS		Proposed concept category					
Constipation	-	Strong evidence all Tiers	A +	1	7%	29%	[10-46%]
<i>Tenesmus</i>	-	Limited evidence; No disconfirming evidence; Not patient oriented	X	4	-	20%	-
<i>Straining during BM</i>	Moderate	Limited evidence; No disconfirming evidence; may overlap with constipation	X	3	-	42%	[29-55%]
Problems with bowel emptying		Proposed concept	D	4		13%	[6-17%]
<i>Bowel urgency</i>	Moderate	One Tier 1 study disconfirming presence in early PD <3 YSD	X -	x	-	-	-
<i>Bowel incontinence</i>	Severe	Inconsistent and disconfirming evidence in all Tiers for early PD <3YSD	X -	3 -	-	5%	[1-7%]
<i>Impaired anal sphincter control</i>	UA	Limited evidence; No disconfirming evidence; Not patient oriented	X	4	-	11%	-

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Diarrhea	-	Limited evidence; No disconfirming evidence	X	4	-	4%	-
General GI dysfunction	Severe	Non-specific; Comprises many diverse symptom experiences	X	4	-	58%	[17-81%]

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.