

Supporting Information Table S1: Preparatory stage - Summarized evidence and References per indicator

DOMAIN	INDICATORS	EVIDENCE				Overall (weighted)	REFERENCES		
		Persistence LBP	Surgical	Non-surgical			Persistence LBP	Surgical	Non-surgical
Sociodemographic	<i>Personal</i>								
	Age	I	I	NP	I (S)	NP [41,44,47,60-61,67]; PV [45-46,52,66]	NP [38,63]; PV [39,43,55,65]	NP [36]; PV [66]	
	Gender	I	I	NP	I (S)	NP [41,44,47,52,58,60-61,67]; PV [45,66]	NP [55,65]; PV [39,43,51,56]	NP [36]	
	Marital status	NP	NP	N	NP (S)	NP [52,67]	NP [38,43,65]		
	Body weight	I	NP	NP	I (S)	NP [41](weight); I [46](weight)	NP [43](weight),[63](weight)	NP [36]	
	Ethnicity	PV	N	N	PV (W)	PV [67]			
	<i>Health</i>								
	Smoking	I	I	NP	I (S)	NP [41,53]; PV [46]	NP [38,43]; PV [51,63-64]; I [39]	NP [36]	
	Previous back surgery	N	PV	N	PV (S)		PV [51,64]; I [39]		
	Use of analgesics	PV	N	I	I (S)	PV [53]		I [36]	
	<i>Social</i>								
	Education	PV	I	N	I (S)	NP [46]; PV [45,47,52,53]; I [66]	NP [64]; PV [38]		
	Social status	PV	PV	NP	I (S)	PV [47]		NP [36]	
	Functioning - leisure	PV	N	PV	I (S)	PV [52]		PV [36]	
	Social support	PV	PV	N	PV (W)	PV [44-45]			
	<i>Work</i>								
	Socio-economic status *	PV	PV	N	PV (S)	NP [53,67]; PV [37,46-47]	PV [43,64]		
	Work ability	N	N	PV	PV (S)			PV [36]	
	Work satisfaction	I	I	PV	I (S)	NP [41,45,47]; PV [37,44,46]	PV [38]; I [39]	PV [36]	
	Functioning - work	PV	PV	PV	I (S)	PV [41]	PV [38]	PV [36]	
Work adjustment	N	N	PV	PV (S)			PV [36]		
Physical strenuousness	N	NP	N	NP (S)		NP [43]			
Sick leave *	PV	PV	I	PV (S)	PV [44,47,53]	NP [43]; PV [38,45]	I [36]		
Compensation	PV	I	I	I (S)	PV [41]	PV [51, 63]; I [39]	PV [66]; I [36]		
Litigation	PV	N	N	PV (W)	PV [46]				
Pain	Duration	PV	PV	NP	I (S)	NP [61,66]; PV [44,52]	PV [38-39,43]	NP [36]	
	Intensity *	PV	PV	PV	PV (S)	PV [41,44,46-47,52-53,57-62,66]	PV [38-39,51,55,65]	PV [36,40,48]	
	Intensity - back	N	PV	PV	PV (W)		PV [51,56]	PV [66]	
	Intensity - leg	I	PV	PV	PV (S)	NP [47]; PV [41]	PV [56]	PV [36,66]	
	Interference daily activities	PV	PV	PV	PV (S)	PV [47](bothersomeness)		PV [36]	
	Frequency / preceding (prior) episodes *	I	N	N	I (S)	NP [41,52]; PV [44,46]			
Somatic Physical & Biological	Strength, endurance, mobility	I	I	NP	NP (S)	NP [41]; PV [53]	NP [55]; I [39]	NP [36,40]	
	Centralization phenomenon	N	N	NP	NP (S)			NP [36]	
	Postural control, psychomotor speed	N	N	NP	NP (S)			NP [36]	
	Diagnosis; comorbidities *	I	PV	NP	PV (S)	NP [66]; PV [44]	PV [43](comorbidity),[65](comorbidity)	NP [66]	
	Bulging or protruded disc *	PV	PV	N	PV (S)	PV [41,52]	PV [38]		
	Loss of neurological function *	PV	PV	PV	PV (S)	PV [46]	PV [38]	PV [66]	
	Red Flags (n= 10) *	N	PV	PV	PV (S)				
Psychologic	<i>Psychic affect</i>								
	Distress *	PV	PV	PV	PV (S)	NP [67]; PV [42,44-47,49-50,53]	PV [38-39,43,65]	PV [40]; I [36]	
	Anxiety *	PV	PV	PV	PV (S)	NP [47]; PV [42,44-46; 49-50,53,66]	PV [38-39]	PV [66]	
	<i>Cognition</i>								
	Catastrophizing *	PV	PV	PV	PV (S)	PV [41-42,44-45,47,49-50,54,58,60-62,66]	PV [39,56]	PV [40,48]	
	Somatization *	PV	PV	N	PV (S)	NP [66]; PV [41-42,45]	PV [38-39]		
	Intelligence	N	N	I	I (S)			I [36]	
	Coping *	PV	PV	PV	PV (S)	NP [47]; PV [41-42,44-46]	PV [38-39,55]	PV [36,40]	
	<i>Behaviour</i>								
	Self-efficacy (including Readiness to Change)	PV	N	N	PV (W)	PV [59](self-efficacy)			
	Fear of Movement / (re)injury *	PV	PV	PV	PV (W)	PV [41-42,44-47(pain),49,52,54,57-62,66]	PV [55-56]	PV [40,66]	
	Avoidance & persistence	PV	PV	N	PV (W)	PV [50]			
Expectations - work return *	PV	I	N	PV (S)	PV [37,44-45]	NP [55]; PV [56]			
Expectations - outcome / recovery *	PV	PV	N	PV (S)	PV [37,53]	PV [43,55]			
Functioning & Quality of Life	Functioning in daily activities & walking	PV	PV	PV	PV (S)	NP [67]; PV [41,44,46-47,52-53]	PV [38-39,51,55-56,63](functioning),[43,65](walking)	PV [36,40,48], [66](walking)	
	Health (related physical QoL)	I	PV	PV	PV (S)	NP [53,67]; PV [41,45]	PV [43,56,63-64]	PV [36]	
	Health (related mental QoL)	I	PV	N	I (S)	NP [53]; PV [41,45]	PV [43,51,56,63-64]		
	General perceived health	N	PV	N	PV (W)	NP [41]; PV [53]	PV [56]		

* International Guidelines [22,23,31]	PV= Predictive value NP= No predictive value	(W) weak = studies or narrative reviews (S) strong = studies & reviews or systematic reviews	References used: Systematic reviews [36-43] Narrative reviews [44-47] Randomised studies [48-50] Observational studies [51-68]
OUT	I = Inconclusive evidence		
IN	N = No evidence available		