

## Appendix 12. Quality of PROM development and content validity

PROM	PROM design							Cognitive interview (CI) study <sup>a</sup>				Total PROM development	Content validity					
	General design requirements						Concept elicitation	Total PROM design	General design requirements	Comprehensibility	Comprehensiveness		Total CI study	Asking patients			Asking experts	
	Clear construct	Clear origin of construct	Clear target population for which the PROM was developed	Clear context of use	PROM developed in sample representing the target population	CI study performed in sample representing the target population								Relevance	Comprehensiveness	Comprehensibility	Relevance	Comprehensiveness
DFS[34]	I	D	V	V	A	D	I	A	D		D	I						
DFS-SF[35, 37, 39]	V	D	V	V	A	D	D	A	D		D	D	I <sup>b</sup>		D <sup>b</sup>			
PRO-DM-Thai[40]	V	D	V	D	D	D	D	A	D		D	D						
IWADL/APPADL[41]	V	D	V	V	V	D	D	V	?	?	D	D						
QOLID[43]	V	D	V	V	A	D	D	D	?	?	D	D						
DQLCTQ[44]	I	V	V	V	D	D	I					I						
Diabetes-39[45-48]	I	V	V	D	D	D	I					I			D <sup>c</sup>			
Diabetes-39 SF[51]	I	V	V	D	D	D	I					I						
C-CWIS[54]	I	D	V	V	I		I	A	D		D	I						

a Empty cells indicate that a CI study or content validity study (or part of it) was not performed, ? indicates that something was done but unclear what was done; b Content validity of the Chinese and Spanish version were assessed; c Content validity of the Arabic, Vietnamese and Portuguese version were assessed