

**Appendix 9.** Information on interpretability of PROMs

<b>PROM – subscale</b>	<b>Distribution of scores in the study population</b>	<b>Percentage of missing items or percentage of missing scores</b>	<b>Floor and ceiling effects</b>	<b>Scores and change scores available for relevant (sub)groups</b>	<b>Minimal important change (MIC) or minimal important difference (MID)</b>
DFS – <i>Daily activities</i> [34]				Healed ulcer: ~69, Current ulcer: ~63 <sup>a</sup>	
DFS-SF – <i>Dependence/daily life</i> [35-39]	[36]: mean=47.7, median=50.0, SD=29.3 [37]: mean=71.4, median=85.0, SD=32.9 [38]: mean=56.3, median=55.0, SD=25.7	[36]: 0.0-1.5% [37]: 0%	[36]: 7.8% floor, 2.9% ceiling [37]: 5% floor, 30% ceiling [38]: 0.9% floor, 5.5% ceiling	[35]: Pre vs. post closure of target ulcer change score – study 1: +3.7; study 2 +10.0 [37]: Healed vs. unhealed ulcer Change score: +13.9 [38]: >1 complication: 44.7, 1 complication: 55.8, No complication: 69.5	
PRO-DM-Thai – <i>Physical function</i> [40]					
IWADL/APPADL – <i>(Physical) activities of daily living</i> [41, 42]	[41]: Mean=3.3, SD=1.1 [42]: Mean=3.3, SD=1.0		[41]: 4-31% floor per item, 8-32% ceiling per item [42]: 6% floor effect, 11% ceiling effect		[42]: If transformed to 0-100: SEM = 6.3; MIC based on weight loss: 13.6; MIC based on ability to perform daily physical activities: 9.8
QOLID – <i>Physical endurance</i> [43]	Mean=25.3, SD=5.5 Standardized mean =84.3, SD=18.4	20.7%		HbA1c ≤8: 87.1, HbA1c >8: 81.8; Insulin: 81.6, Non-insulin: 86.1; Comorbidity ≤1: 77.9, Comorbidity >1: 88.6; Male: 89.4, Female: 76.4	
DQLCTQ – <i>Physical function</i> [44]				HbA1c tight: 89.3, HbA1c poor: 85.1; Type 1: 94.7, Type 2: 77.9; Male: 87.9, Female: 84.1; Good control: 88.2, Poor control: 81.3	
Diabetes-39 – <i>Energy and mobility (pilot version - 14)</i>		Study 1 - Total questionnaire: 0.3-0.45%			

<i>items</i> ][45]				
Diabetes-39 – <i>Energy and mobility (15 items)</i> ][45-51]	[46]: mean=50.5, SD=21.1 [47]: median=41.1, 25 <sup>th</sup> percentile =22.2, 75 <sup>th</sup> percentile =60.0, range=0.0-91.1 [48]: median=51.5, mean=48.8, SD=14.5, range (possible: 15-105) =20-83 [49]: median=30, 25 <sup>th</sup> percentile =16, 75 <sup>th</sup> percentile =50	[45]: Study 2 - Total questionnaire: 0.3-0.45%	[46]: 0.3% ceiling, 0.8% floor [48]: 1.9 % floor, 1.9% ceiling	[47]: Male: 40.0, Female: 43.3; Insulin: 46.1, Non-insulin: 40.0; Comorbidity: 43.3, No comorbidity: 26.1 Complication: 49.4, No complication: 37.8 [49]: Male: 27, Female: 35
Diabetes-39 Thai – <i>Energy and mobility (10 items)</i> ][52]		Total questionnaire: <2%		Comorbidity: 28.8, No comorbidity: 26.0 Insulin: 35.8, Non-insulin: 26.6; Complications: 37.0, No complications: 27.1
Diabetes-39 German – <i>Physical impairment (7 items)</i> ][53]		N=1-4 for all subscales		Insulin: 18.4, No insulin: 15.8; ≤1 Complication: 11.5, >1 Complication: 20.4
Diabetes-39 SF – <i>Energy and mobility (5 items)</i> ][51]				
C-CWIS – <i>Physical symptoms and everyday living</i> ][54]	Item score ranges: mean=4.98-8.78, SD=1.79-2.58			
a Read from histogram				