

**Appendix 7.** Characteristics of included study populations for the assessment of measurement properties

PROM	Population			Disease characteristics		Instrument administration			
	N	Mean age (SD) [range] yr	Gender % female	Disease	Disease duration mean (SD) yr	Setting	Country	Language	Response rate
DFS <sup>42</sup>	48 + 54 + 71 = 173  Internal consistency: 48 Structural validity: 326 Known-groups: 102 (48+54) Responsiveness: 264	58 (11), 65 (12), 55 (15)  N=326: ? N=264: ?	27%, 28%, 34%  N=326: ? N=264: ?	T2DM and T1DM with neuropathic or mixed neuropathic/ ischemic foot ulcer	17 (11), 18 (12), 12 (9)  N=326: ? N=264: ?	Diabetic foot centres	UK  N=326: UK, US, Belgium, Denmark, France, Italy, Netherlands	English, and other	
DFS-SF study 1 <sup>34</sup>	180	[27-87]	26%	Chronic, neuropathic, full-thickness, diabetic foot ulcers		Clinical trials	Belgium (16), Denmark (11), France (3), Germany (5), Italy (3), Netherlands (5), UK (243), US (40)	English, and other	
DFS-SF study 2 <sup>34</sup>	252 + 95 = 347  Responsiveness: 252	[29-88], [33-83]	30%, 26%	Chronic, neuropathic, full-thickness, diabetic foot ulcers		Clinical trials	Austria (23), France (62), Germany (67), Greece (34), Italy (18), Netherlands (66), Switzerland (15) UK (16), US (95)	English, and other	
DFS-SF Polish <sup>45</sup>	212	63 (10)	28%	Diabetes (T2DM 86%)	18 (12)	Ambulatory setting of university	Poland	Polish	

						hospital			
DFS-SF Chinese <sup>38</sup>	60	71 (11)	40%	Current/healed diabetic foot ulcers	17 (10)	Outpatient/inpatient hospital	Hong Kong	Hong-Kong Chinese	
DFS-SF Greek <sup>60</sup>	110	60 (12)	39%	Diabetes (T2DM 86%) with diagnosed diabetic foot ulcer	17 (7)	General hospital	Greece	Greek	88%
DFS-SF Spanish <sup>61</sup>	141	68 (13)	33%	Diabetes (T2DM 95%) with new-onset diabetic foot ulcer		Diabetic foot unit	Spain	Spanish	
PRO-DM-Thai <sup>35</sup>	500	66 (11) [32-90]	67%	T2DM (well-controlled and uncontrolled)	15 (8)	Outpatient clinic university hospital	Thailand	Thai	
		Construct validity: 200	N=200: 68%		N=200: 16 (8)				
IWADL/APPADL <sub>6</sub> <sup>3</sup>	349	59 (9)	56%	T2DM with BMI 30-40 kg/m <sup>2</sup>		Internet panel	USA	English	
IWADL/APPADL <sub>6</sub> <sup>4</sup>	106	52 (10)	69%	T2DM with BMI at least 30 kg/m <sup>2</sup>		Weight loss centres, university-based weight loss program, or specialty clinic	USA	English	89%
		Responsiveness: 40	N=40: 52 (12)	N=40: 65%					
QOLID <sup>37</sup>	150	54 (7) [35-65]	40%	T2DM	11 (6)	Diabetes centre	India	English/Hindi <sup>b</sup>	33% (150/460); 68% 30/44; 73% 30/41
		Comparison instruments: 30	N=30 and N=210: similar to N=150	N=30 and N=210: similar to N=150	N=30 and N=210: similar to N=150				
		Known-groups: 210 <sup>a</sup>							
DQLCTQ <sup>44</sup>	942	Type I diabetes: 34, type II	43%	T1DM (n=468) and T2DM (n=474) <sup>c</sup>	13	Clinical trials	Canada (72), France (84), Germany (188),	English, German, French	
		Internal	N=909: ?	N=909: ?	N=909: ?				

	consistency: 909 Reliability: 58 Responsiveness: 328	diabetes: 58 N=909: ? N=58: ? N=328: ?	N=58: ? N=328: ?		N=58: ? N=328: ?		US (598)		
Diabetes-39 study 1 <sup>43</sup>	516	52 (16)	55%	T1DM (33%) and T2DM (68%)	14 (11)	Diabetes care centre	US	English	52%
Diabetes-39 study 2 <sup>43</sup>	165 + 262 = 427	62 (18), 55 (13)	55%, 65%	T1DM (20%, 10%) and T2DM (81%, 90%)	12 (11), 10 (8)	General practice, hospital diabetes clinic	US	English	70%, 41%
Diabetes-39 Arabic <sup>39</sup>	368	57 (10)	56%	T2DM	9 (7)	Outpatient clinic of university hospital	Jordan	Arabic	92%
Diabetes-39 Vietnamese <sup>40</sup>	286	20% <50, 45% 60-65, 36% >65	64%	T2DM	6 (5)	Tertiary hospital	Vietnam	Vietnamese	
Diabetes-39 Portuguese <sup>41</sup>	52	63 (9) [45-84]	65%	T2DM	9 (4)	Basic health service	Brazil	Portuguese	
Diabetes-39 Spanish <sup>51</sup>	249	5% <40, 61% 40-59, 35% ≥60, Males: 52.5 [24-75] years, Females: 55.7 [34-91]	63%	T2DM	9 (8)	Family medicine unit	Mexico	Spanish	96%
Diabetes-39 Taiwan <sup>59</sup>	280	63 (11)	47%	T1DM (1%) and T2DM (99%)	9 (6)	Outpatient clinic of teaching hospital	Taiwan	Chinese	
Diabetes-39 Taiwan <sup>48</sup>	265 <sup>d</sup>			T1DM and T2DM		Diabetes clinics of a teaching	Taiwan	Chinese	

Diabetes-39 Thai <sup>49</sup>	397	58 (11)	74%	Diabetic people	6 (6)	Community hospital	Thailand	Thai	93%
Diabetes-39 German <sup>50</sup>	144	57 (8)	52%	T2DM	13 (10)	Special hospital/outpatient clinic for people with diabetes	Germany	German	85%
	Reliability: 72	N=72: ?	N=72: ?		N=72: ?				
	Responsiveness: 62-66	N=62-66: ?	N=62-66: ?		N=62-66: ?				
Diabetes-39 SF <sup>48</sup>	265 <sup>d</sup>			T1DM and T2DM		Diabetes clinics of a teaching hospital	Taiwan	Chinese	
C-CWIS <sup>47</sup>	131	68 (11)	34%	T2DM with diabetic foot ulcers	14 (8)	Outpatient/inpatient diabetic foot of an integrated hospital	China	Chinese	
	Internal consistency: 20 & 131	N=20: ?	N=20: ?		N=20: ?				

a N=60 for HbA1C values; b Language unsure; c Analyses conducted separately for each group; pooled analyses performed because results were similar; d Sample from study of Huang<sup>59</sup>