

Table 1 Agreement and reliability between the items from test 1 to test 2 in original categories and categories within the framework of the PRO- algorithm

Item	n/total	Original item categories			Item categories within the framework of the PRO-algorithm		
		Levels	Agreement/Exp agreement %	KW ² (95% CI)	Levels	Perfect/Exp agreement %	Unweighted kappa (95% CI)
Seizures last year	518/554	Continuous			2	94.2/62.4	0.85 (0.79; 0.90)
Absence seizures	516/554	Continuous			2	94.0/76.4	0.75 (0.66; 0.83)
Generalised seizures	525/554	Continuous			2	96.0/88.0	0.67 (0.53; 0.80)
Seizure impairment	154/135	2			2	90.3/79.8	0.52 (0.31; 0.73)
Seizure injury	156/135	3	94.1/85.4	0.59 (0.41; 0.79)	2	81.4/56.6	0.57 (0.43; 0.71)
ER visit	164/135	2			2	88.4/82.9	0.32 (0.09; 0.56)
Relatives' worried	517/554	6	92.8/85.9	0.49 (0.38; 0.59)	2	92.7/83.5	0.56 (0.43; 0.68)
Headaches	550/554	5	96.7/86.7	0.75 (0.69; 0.81)	2	92.2/82.2	0.56 (0.45; 0.68)
Dizziness	550/554	5	97.7/91.0	0.75 (0.69; 0.80)	2	96.6/91.8	0.58 (0.41; 0.75)
Tremor/ shaking	548/554	5	97.9/90.9	0.77 (0.70; 0.82)	2	96.4/91.0	0.60 (0.44; 0.76)
Double vision	550/554	5	97.8/93.4	0.66 (0.54; 0.75)	2	97.6/94.5	0.57 (0.36; 0.78)
Loss of appetite	551/554	5	98.2/94.4	0.68 (0.60; 0.77)	2	97.8/95.4	0.53 (0.29; 0.76)
Eating too much	546/554	5	97.0/89.8	0.71 (0.63; 0.77)	2	95.6/89.6	0.58 (0.42; 0.73)
Remembering	549/554	5	96.7/83.6	0.80 (0.75; 0.83)	2	91.1/73.5	0.66 (0.58; 0.75)
Concentrating	552/554	5	97.1/86.5	0.79 (0.74; 0.83)	2	95.3/83.2	0.72 (0.62; 0.82)
Aggression	551/554	5	97.0/90.1	0.69 (0.62; 0.75)	2	95.5/90.5	0.52 (0.36; 0.69)
Fatigue	549/554	5	96.0/83.3	0.76 (0.72; 0.80)	2	90.5/76.1	0.60 (0.51; 0.70)
Sadness	548/554	5	97.3/89.8	0.73 (0.68; 0.78)	2	95.6/89.0	0.60 (0.46; 0.75)
Fear of seizures	547/554	5	97.8/91.2	0.75 (0.69; 0.81)	2	96.3/91.3	0.58 (0.42; 0.75)
Sexuality	527/554	5	94.8/78.8	0.75 (0.69; 0.81)	2	86.0/62.5	0.63 (0.55; 0.70)
Suicidal	548/554	5	99.6/98.3	0.76 (0.60; 0.85)	3	99.1/97.0	0.69 (0.56; 0.83)
WHO-5 score	540/554	Continuous			2	90.4/75.8	0.60 (0.50; 0.70)
General health	552/554	5	97.1/88.7	0.74 (0.70; 0.78)	2	90.9/72.7	0.67 (0.58; 0.75)

General health last year	550/554	5	97.3/92.8	0.62 (0.54; 0.70)	2	91.5/81.9	0.53 (0.41; 0.65)
Medication adherence	545/554	4	97.3/92.9	0.62 (0.48; 0.74)	2	95.8/91.4	0.51 (0.33; 0.68)
Side-effects	538/554	4	96.5/88.1	0.71 (0.64; 0.77)	2	92.8/82.0	0.60 (0.48; 0.71)
Work less	240/164	3	94.0/87.8	0.51 (0.29; 0.69)	2	90.0/80.7	0.48 (0.31; 0.66)
Social limitations	518/554	2			2	91.1/75.8	0.63 (0.54; 0.73)
Alcohol female	254/268	Continuous			2	99.6/98.1	0.80 (0.41; 1.00)
Alcohol male	269/286	Continuous			2	98.1/94.6	0.66 (0.38; 0.94)
Recreational drugs	545/554	4	99.9/98.9	0.92 (0.57; 1.00)	2	99.8/99.1	0.80 (0.41; 1.00)
Pregnant	279/268	2			2	99.6/98.9	0.67 (0.05; 1.00)
Planning pregnancy	275/268	2			2	98.9/92.0	0.86 (0.71; 1.00)
Car driving	544/554	2			2	97.2/54.2	0.94 (0.91; 0.97)

Abbreviations: PRO, Patient-reported outcome; Exp, Expected; KW², Weighted kappa with squared weights; CI, Confidence interval; ER, Emergency room, WHO-5, WHO-5 Well-being Index