Supplement 3

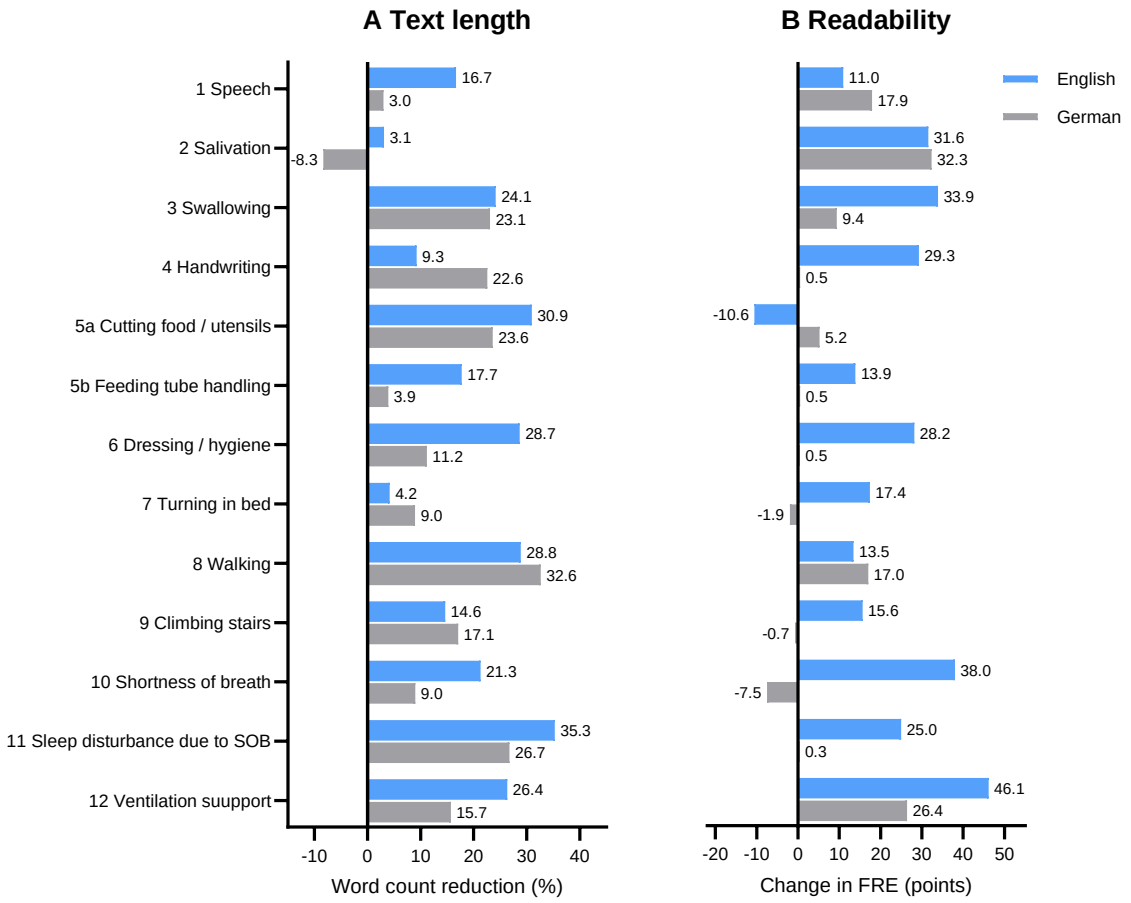


Figure S1. Item-level changes in text length and readability from ALSFRS-R-SE V1.0 to V2.1. (A) Relative reduction in word count for each item. Positive values indicate shorter texts in V2.1, negative values indicate longer texts. **(B)** Change in Flesch Reading Ease (FRE), calculated as FRE in V2.1 minus FRE in V1.0 and expressed in score points. Positive values indicate improved readability according to FRE, negative values indicate reduced readability. Blue and grey bars represent the English and German versions, respectively. SOB = shortness of breath.

ALSFRS-R-SE: English Version

Item	Word count			Flesch Reading Ease		
	V1.0	V2.1	Reduction (%)	V1.0	V2.1	Change (points)
1 Speech	102	85	16.7	46.6	57.6	+11.0
2 Salivation	97	94	3.1	47.3	78.9	+31.6
3 Swallowing	145	110	24.1	40.2	74.1	+33.9
4 Handwriting	108	98	9.3	53.5	82.8	+29.3
5a Cutting food / utensils	181	125	30.9	61.7	51.2	-10.6
5b Feeding tube handling	141	116	17.7	47.4	61.3	+13.9
6 Dressing / hygiene	129	92	28.7	34.4	62.6	+28.2
7 Turning in bed	119	114	4.2	52.6	70.0	+17.4
8 Walking	156	111	28.8	46.0	59.4	+13.5
9 Climbing stairs	82	70	14.6	55.4	71.0	+15.6
10 Shortness of breath	141	111	21.3	30.9	68.9	+38.0
11 Breathing-related sleep disturbance	224	145	35.3	52.4	77.4	+25.0
12 Use of breathing machines	148	109	26.4	15.8	62.0	+46.1

ALSFRS-R-SE: German Version

Item	Word count			Flesch Reading Ease		
	V1.0	V2.1	Reduction (%)	V1.0	V2.1	Change (points)
1 Speech	100	97	3.0	29.5	47.4	+17.9
2 Salivation	84	91	-8.3	39.2	71.5	+32.3
3 Swallowing	143	110	23.1	38.5	47.9	+9.4
4 Handwriting	124	96	22.6	62.2	62.7	+0.5
5a Cutting food / utensils	161	123	23.6	52.3	57.5	+5.2
5b Feeding tube handling	152	146	3.9	38.7	39.2	+0.5
6 Dressing / hygiene	116	103	11.2	35.7	36.2	+0.5
7 Turning in bed	134	122	9.0	57.4	55.5	-1.9
8 Walking	138	93	32.6	42.9	59.9	+17.0
9 Climbing stairs	82	68	17.1	46.3	45.6	-0.7
10 Shortness of breath	122	111	9.0	30.9	23.4	-7.5
11 Breathing-related sleep disturbance	187	137	26.7	46.9	47.3	+0.3
12 Use of breathing machines	140	118	15.7	15.7	42.1	+26.4

Table S1. English and German ALSFRS-R-SE Version. Item level text length and readability. Absolute word counts and Flesch Reading Ease scores for ALSFRS-R-SE versions 1.0 and 2.1 are presented separately for each language. The changes correspond to Figure S1.