

Supp. Table 1. Absolute and relative mode fit statistics for the two- and three-parameter IRT models.

Model	M ²	df	P-value [*]	RMSEA (90% CI)	TLI	CFI	AIC	BIC	Log likelihood	P-value [†]
Two parameter (2PL) model	571.30	405	< 0.001	0.016 (0.013 – 0.019)	0.947	0.951	25080.83	25401.51	-12480.42	0.99
Three parameter (3PL) model	540.27	375	< 0.001	0.017 (0.014 – 0.020)	0.943	0.951	25129.94	25610.96	-12474.97	

RMSEA = root mean square error of approximation; TLI = Tucker-Lewis index; CFI = comparative fit index, AIC = Akaike’s Information Criterion; BIC = Bayesian Information Criterion

^{*}P-value is for the M² statistic for each model independently

[†]P-value is for the χ^2 test statistic comparing the log likelihood values.

Supp. Table 2. The item discrimination (a) and difficulty (b) and standard errors (SE) from a two-parameter logistic IRT model using all participants (n = 1,548).

Question number and designated descriptor	Discrimination: α (SE)	Difficulty: b (SE)
1. High calorie	0.37 (0.07)	-0.71 (0.20)
2. Next pill	1.36 (0.35)	-4.24 (0.79)
3. Chemotherapy	1.39 (0.26)	-3.46 (0.45)
4. WBC count	0.64 (0.14)	-4.66 (0.95)
5. Oral cancer	1.79 (0.23)	-2.30 (0.17)
6. Side effects	1.31 (0.18)	-2.75 (0.27)
7. Risk of complications	1.60 (0.25)	-2.94 (0.30)
8. Palliative care	1.31 (0.14)	-1.66 (0.13)
9. Biopsy	1.25 (0.29)	-4.16 (0.73)
10. Appointment location	2.00 (0.47)	-3.52 (0.46)
11. Body temperature	0.60 (0.12)	-3.97 (0.70)
12. Cancer stages	1.33 (0.28)	-3.85 (0.59)
13. Office directions	0.62 (0.12)	-3.82 (0.66)
14. Drug effect	1.38 (0.26)	-3.47 (0.45)
15. Air tumor spread	0.68 (0.09)	-1.62 (0.20)
16. Generic drugs	0.85 (0.14)	-3.32 (0.45)
17. Survival rate	1.33 (0.18)	-2.59 (0.24)
18. Fasting time	0.79 (0.13)	-3.28 (0.45)
19. Felv risk	0.71 (0.09)	-0.01 (0.08)
20. Physical therapist	0.74 (0.14)	-3.87 (0.63)
21. Inoperable tumor	1.68 (0.31)	-3.30 (0.39)
22. Food during chemo	0.72 (0.15)	-4.41 (0.83)
23. Cancer metastasized	1.34 (0.20)	-2.88 (0.30)
24. Benign tumor	0.49 (0.16)	-6.44 (1.96)
25. Radiation treatment	1.49 (0.35)	-3.99 (0.66)
26. Complication rate	1.15 (0.14)	-2.39 (0.22)
27. Increase recovery rate	0.28 (0.08)	-4.59 (1.34)
28. Book chapter	0.95 (0.11)	-1.44 (0.14)
29. Dose time	0.44 (0.08)	-1.81 (0.33)
30. Map reading	0.35 (0.09)	-4.66 (1.18)

Supp. Figure 1. The signed differential test functioning score of A) the group that had at least a bachelor’s degree, B) did not have a cancer diagnosis in the family, and C) did not have a pet diagnosed with cancer across a range of latent (CHL) abilities.

