Supplemental Methods

Description of Rationale for Factor Analysis for Item 9

Item 9	Question	Response Choices
9	Please rate the PRO information you have consulted in your practice on the following metrics: *Accessibility* *Usefulness* *Scientific rigor* *Interpretability*	a. Excellent b. Very good c. Good d. Satisfactory e. Poor f. Unsure

Item 9 allowed us to quantified respondent's overall views of PRO data using a composite score based on their ratings of *accessibility*, *interpretability*, *usefulness* and *scientific rigor* (Q9). This composite score was computed and validated using weights from a factor analysis. Hypothesis testing compared the scores derived from the factor analysis across different populations of oncologists (See Table 2 of manuscript). As theorized, there was evidence that oncologists, who believe that PRO data is widely available and those who use PRO data to prescribe medications, rated it higher on average.

Factor Analysis Summary

We could not reject the null hypothesis that one factor was sufficient for our data from Q9, so one factor was used in the analysis to create the weights for the composite score.
Weights for the composite score:

	Factor 1
PRO Accessibility	0.831
PRO Interpretability	0.886
PRO Usefulness	0.840
PRO Scientific rigor	0.869

Factor Analysis Output, Including Cronbach's Alpha and Reliability Statisitcs

Reliability analysis

Call: alpha(x = data4.r2)

raw_alpha	std.alpha	G6(smc)	average_r	S/N	ase	mean	SD	median_r
0.92	0.92	0.89	0.73	11	0.0086	2.8	1	0.75

95% confidence boundaries

Low	Alpha	Upper
0.9	0.92	0.93

Reliability if an item is dropped:

	raw_alpha	std.alpha	G6(smc)	average_r	S/N	Alpha se	Var.r	Med.r
Accessibility	0.90	0.90	0.86	0.75	9.0	0.011	4.1e-05	0.75
Interpretability	0.88	0.88	0.84	0.71	7.5	0.013	1.8e-03	0.73
Usefulness	0.90	0.90	0.85	0.74	8.8	0.011	8.1e-05	0.75
Scientific rigor	0.89	0.89	0.84	0.72	7.8	0.013	2.5e-0.3	0.75

Item statistics

	N	Raw.r	std.r	r.cor	r.drop	Mean	SD
Accessibility	254	0.88	0.88	0.82	0.78	2.7	1.2
Interpretability	254	0.91	0.91	0.87	0.84	2.8	1.1
Usefulness	254	0.88	0.88	0.83	0.79	2.9	1.1
Scientific rigor	254	0.91	0.90	0.86	0.82	2.6	1.2

Non missing response frequency for each item

	1	2	3	4	5	Miss
Accessibility	0.20	0.24	0.30	0.20	0.07	0
Interpretability	0.12	0.33	0.28	0.21	0.06	0
Usefulness	0.09	0.30	0.28	0.23	0.10	.
Scientific rigor	0.22	0.27	0.25	0.19	0.07	0