

Table S1: Study measures across time points* for each participant arm†

Measure	Pre-test						Post-test					
	Baseline	+ ~2 weeks	+ 1 month				+ 6 months			+ 9 months		
	T0	T1I	T2I	T2IA	T2C	T2CA	T3I	T3IA	T3C	T4I	T4IA	T4C
Demographics	•											
Brief Health Literacy Screening Tool (BRIEF)	•											
Digital Literacy Scale (DHLS)	•											
University of North Carolina Genomic Knowledge Scale (UNC-GKS)	•	•	•		•		•	•	•	•	•	•
Hospital Anxiety and Depression Scale (HADS)	•	•	•	•	•	•	•	•	•	•	•	•
SF-36: Quality of life	•	•	•		•		•	•	•	•	•	•
Decisional Conflict (SURE)			•	•	•	•						
Genomics Outcome Scale (GOS)		•	•		•		•	•	•	•	•	•
Preparation for Decision Making Scale			•		•							
Satisfaction with Decision Making			•		•							
Acceptability eScale		•	•				•	•		•	•	
Duration of platform use (minutes)		•					•	•		•	•	
Frequency of platform access		•					•	•		•	•	
Health resource use (RUQ)			•‡		•‡					•§	•§	•§
Multidimensional Impact of Cancer Risk Assessment (MICRA–Adapted)							•¶	•¶	•¶	•	•	•

*Time points abbreviations. T0: baseline; T1: 2 weeks before first appointment with clinician; T2: immediately after pre-test meeting with clinician; T3: 2 weeks after post-test meeting with clinician; T4: 3 months after T3 measures.

†Participant arm abbreviations. A: alternative pathway; C: control group; I: intervention group.

‡In the past 3 months

§Since receiving results

¶Primary outcome (test-specific distress subscale)