Supplementary Information

Figure S1. Discrete choice experiment design. (A) Attributes and levels used in the discrete choice experiment; (B) Example of a discrete choice experiment choice set.

Attribute		Levels	
Accuracy		90%, 95%, 98%, 100%	
Time of results (gestation in weeks)		8, 10, 12, 14	
Risk of miscarriage		Small risk (1%), No ri	
	A		
Choice 1	Test A	Test B	
Accuracy	95%	100%	
Time of results	10 weeks	12 weeks	

Table S1. Health professional demographic data.

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Demographic data	Total $(n = 70)$
Age in years	
Mean (SD)	43.3 (10.98)
Gender	
Female	50 (86.2%)
Male	8 (13.8%)
Profession	
Clinical geneticist	48 (68.6%)
Genetic counsellor	22 (31.4%)
Years in profession	
≤5	9 (15.0%)
6–15	25 (43.3%)
16–25	17 (28.3%)
≥26	9 (15.0%)
Current practice location	
England (London)	9 (18.8%)
England (Regional)	24 (50.0%)
Scotland	5 (10.4%)
Northern Ireland	1 (2.1%)
Outside the UK	7 (14.6%)
Not in current practice	2 (4.2%)

In some cases, numbers may not add up to the total *n* due to missing data. Percentages may not add up to 100 due to rounding.

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Table S2. Service user demographic data.

Domographia data	Total $(n = 142)$	Affected with CF	Carrier of CF $(n = 50)$	
Demographic data	Total $(n = 142)$	(n = 92)		
Gender				
Female	78 (54.9)	42 (45.7%)	36 (72.0%)	
Male	64 (45.1)	50 (54.4%)	14 (28.0%)	
Age in years				
Mean (SD)	32.19 (9.84)	29.33 (9.85)	37.46 (7.4)	
Ethnicity				
White	140 (99.3%)	91 (100%)	49 (98.0%)	
Other	1 (0.71%)	0 (0%)	1 (2.0%)	
Highest qualification				
No qualification	1 (0.7%)	0 (0%)	1 (2.0%)	
High school	48 (34.8%)	34 (38.6%)	14 (28.0%)	
Some college or other training	59 (42.8%)	37 (42.1%)	22 (44.0%)	
Degree or equivalent	30 (21.7%)	17 (19.3%)	13 (26.0%)	
Relationship status				
Married/In a relationship	103 (73.6%)	65 (71.4%)	38 (77.6%)	
Separated/Divorced	6 (4.3%)	1 (1.1%)	5 (10.2%)	
Widowed	1 (0.7%)	0 (0%)	1 (2.0%)	
Single	30 (21.4%)	25 (27.5%)	5 (10.2%)	
Religious faith				
Yes	44 (31.9%)	23 (25.3%)	21 (44.7%)	
No	94 (68.1%)	68 (74.7%)	26 (55.3%)	
Currently pregnant				
Yes	4 (2.8%)	1 (1.1%)	3 (6.0%)	
No	138 (2.8%)	91 (98.9%)	47 (94.0%)	
Number of children				
None	79 (56.4%)	75 (83.3%)	4 (8.0%)	
1	33 (23.6%)	11 (12.2%)	22 (44.0%)	
2 or more	28 (20.0%)	4 (4.5%)	24 (48.0%)	
Child with cystic fibrosis?				
Yes	44 (31.9)	0 (0%)	44 (91.7%)	
No	94 (68.1)	90 (100%)	4 (8.3%)	

In some cases, numbers may not add up to the total n due to missing data. Percentages may not add up to 100 due to rounding.

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Table S3. Service users and health professionals who did not make trades with their choices.

Test Attributes	Affected with CF $(n = 92)$	Carrier of CF (n = 50)	Health Professionals (n = 70)	
Chose tests with highest	5 (5 49/)	4 (8.0%)	5 (7 10/)	
accuracy for all options	5 (5.4%)	4 (8.070)	5 (7.1%)	
Chose tests with the	1 (1.1%)	2 (4.0%)	1 (1 40/)	
earliest time for all options	1 (1.170)	2 (4.070)	1 (1.4%)	
Chose tests with no risk for all options	45 (48.9%)	20 (40.0%)	1 (1.4%)	
Chose neither for all options	3 (3.26%)	0 (0%)	1 (1.4%)	
Total	54 (58.7%)	26 (52.0%)	8 (11.4%)	

Table S4. Ranking of test attributes: Service users.

A 44			Ranking (%) '	*	
Attribute	1	2	3	4	5
Early test	8.27	12.78	31.58	35.34	12.03
Accuracy	18.80	48.87	23.31	9.02	0
Cost	0	2.26	4.51	10.53	82.71
Safety	62.41	18.80	11.28	7.52	0
Full information	12.03	17.29	28.57	36.84	5.26

^{*} n = 133.

Table S5. Ranking of test attributes: Health professionals.

A 44			Ranking (%) *	ķ			
Attribute	1	2	3	4	5		
Early test	4.69	28.13	50.00	14.06	3.13		
Accuracy	81.25	15.63	3.13	0	0		
Cost	1.56	0	9.38	39.06	50.00		
Safety	14.06	50.00	29.69	6.25	0		
Full information	0	4.69	9.38	39.06	46.88		

^{*} n = 64.