

Table 3: Levels of comparative support for the three potential SMA screening programmes (newborn screening, preconception genetic screening and prenatal screening). Support was compared in the following sub-groups: 1) Type I families; 2) Type II families; 3) Type III families; 4) adults with type II SMA; and 5) Adults with type III SMA. Agreement was assessed using a kappa analysis- Cohen’s interpretation criteria are included; statistical significance of the Kappa (p-value) is shown (significance assigned using a <0.05 cut off).

Type I Families (n=120)					
Question	Would support newborn screening programme	Other	Agree	Kappa	P-Value
Would support preconception genetic screening programme				0.28	<0.0001
Other		10 (8%)	4 (3%)		
Agree		26 (22%)	80 (67%)		
Would support prenatal screening programme				0.31	<0.0001
Other		11 (9%)	4 (3%)		
Agree		25 (21%)	80 (67%)		
Type II Families (n=87)					
Question	Would support newborn screening programme	Other	Agree	Kappa	P-Value
Would support preconception genetic screening programme				0.25	0.01
Other		13 (15%)	11 (13%)		
Agree		17 (20%)	46 (53%)		
Would support prenatal screening programme				0.39	<0.0001
Other		16 (18%)	9 (10%)		
Agree		14 (16%)	48 (56%)		
Type III Families (n=22)					
Question	Would support newborn screening programme	Other	Agree	Kappa	P-Value
Would support preconception genetic screening programme				0.23	0.26
Other		3 (14%)	3 (14%)		
Agree		4 (18%)	12 (54%)		
Would support prenatal screening programme				0.58	0.006
Other		5 (23%)	2 (9%)		
Agree		2 (9%)	13 (59%)		
Adults with type II SMA (n=27)					
Question	Would support newborn screening programme	Other	Agree	Kappa	P-Value
Would support preconception genetic screening programme				0.48	0.01
Other		5 (19%)	5 (19%)		
Agree		1 (4%)	16 (58%)		
Would support prenatal screening programme				0.32	0.05
Other		5 (19%)	8 (30%)		
Agree		1 (4%)	13 (47%)		
Adults with Type III SMA (n=31)					
Question	Would support newborn screening programme	Other	Agree	Kappa	P-Value
Would support preconception genetic screening programme				0.24	0.16
Other		2 (6%)	2 (6%)		
Agree		5 (16%)	22 (72%)		
Would support prenatal screening programme				0.51	0.004
Other		4 (13%)	2 (6%)		
Agree		3 (9%)	22 (72%)		
Interpretation of Cohen's Kappa					
Kappa Range	Interpretation				
0-0.2	No Agreement				
0.21-0.39	Minimal Agreement				
0.40-0.59	Weak Agreement				
0.60-0.79	Moderate Agreement				
0.80-0.90	Strong Agreement				
>0.90	Almost Perfect Agreement				