

Typed Figure Data

Figure 1. Respondents' source of knowledge of fetal malposition in Auckland, New Zealand during 2020 (n=201).

Never heard about it 24%

Other 3%

Previous experience 11%

Knew someone who had it 11%

Read about it 19%

Heard about it 32%

Figure 2. Respondents' views on the acceptability of an RCT of maternal posture for fetal malposition in labour in Auckland, New Zealand during 2020 (n=179).

Sims posture acceptable	Yes 93	Not sure 61	No 24
Comfort concerns	Yes 40	Not sure 47	No 92
Cultural concerns	Yes 1	Not sure 20	No 158
Religious concerns	-	Not sure 12	No 167
Safety concerns	Yes 13	Not sure 45	No 120
Other concerns	Yes 9	Not sure 34	No 134
Need to consult partner	Yes 87	Not sure 38	No 54
Participate in trial of posture	Yes 67	Not sure 85	No 27

Cross tabulations of survey responses by age. Note: * values less than 3, † Fisher exact

Sims posture acceptable					Cultural concerns regarding Sims posture				Religious concerns regarding Sims posture				Comfort concerns regarding Sims posture				Safety concerns regarding Sims posture			
Response	16 – 25 years	26 – 35 years	36 – 45 years+	Total	16 – 25 years	26 – 35 years	36 – 45 years+	Total	16 – 25 years	26 – 35 years	36 – 45 years+	Total	16 – 25 years	26 – 35 years	36 – 45 years+	Total	16 – 25 years	26 – 35 years	36 – 45 years+	Total
No	*	18 (13)	6 (18)	25	9 (82)	122 (91)	27 (82)	158	9 (82)	128 (96)	30 (91)	167	7 (64)	68 (51)	17 (52)	92 (52)	7 (64)	94 (71)	19 (58)	120 (68)
Not sure	9 (82)	40 (30)	11 (33)	60	2 (18)	11 (8)	6 (18)	19	*	6 (5)	3 (9)	11 (6)	4 (36)	31 (23)	11 (33)	46 (26)	3 (27)	30 (23)	11 (33)	44 (25)
Yes	*	76 (57)	16 (49)	93	0	*	0	*	0	0	0	0	0	35 (26)	5 (15)	40 (23)	*	9 (7)	3 (9)	13 (7)
Total	11	134	33	178 (100)	11	134	33	178 (100)	9	134	33	178 (100)	11	134	33	178 (100)	11	133	33	177 (100)
Degree freedom	Df = 4		P = 0.010 †		Df = 4		P = 0.259 †		Df = 2		P = 0.098†		Df = 4		P = 0.178†		Df = 4		P = 0.541†	

Other concerns regarding Sims posture					Acceptability of participation in RCT				Feel need to consult partner to decide on trial participation			
Response	16 – 25 years	26 – 35 years	36 – 45 years+	Total	16 – 25 years	26 – 35 years	36 – 45 years+	Total	16 – 25 years	26 – 35 years	36 – 45 years+	Total
No	7 (64)	104 (78)	23 (72)	134 (76)	3 (27)	20 (15)	4 (12)	27 (15)	3 (27)	43 (32)	8 (24)	54 (30)
Not sure	4 (36)	22 (17)	7 (22)	33 (19)	4 (36)	59 (44)	21 (64)	84 (47)	*	29 (22)	7 (21)	38 (21)
Yes	0	7 (5)	*	9 (5)	4 (36)	55 (41)	8 (24)	67 (38)	6 (55)	62 (46)	18 (55)	86 (48)
Total	11	133	32	176 (100)	11	134	33	178 (100)	11	134	33	178 (100)
Degree freedom	Df = 4		P = 0.497 †		Df = 4		P = 0.204 †		Df = 4		P = 0.928†	

Cross tabulations of survey responses by gestation (weeks). Note: * values less than 3, † Fisher exact

Sims posture acceptable						Cultural concerns					Religious concerns					Comfort concerns				
Response	24-28 weeks	29-33 weeks	34-38 weeks	39+ weeks	Total	24-28 weeks	29-33 weeks	34-38 weeks	39+ weeks	Total	24-28 weeks	29-33 weeks	34-38 weeks	39+ weeks	Total	24-28 weeks	29-33 weeks	34-38 weeks	39+ weeks	Total
No	4 (11)	6 (110)	13 (19)	*	25 (14)	31 (82)	51 (91)	60 (87)	12 (100)	154 (88)	34 (90)	51 (91)	66 (96)	12 (100)	163 (93)	18 (47)	31 (55)	34 (49)	6 (50)	89 (51)
Not sure	16 (42)	14 (25)	26 (38)	*	57 (33)	7 (18)	5 (9)	8 (12)	*	20 (11)	4 (11)	5 (9)	3 (4)	*	12 (7)	12 (32)	16 (29)	16 (23)	2 (17)	46 (26)
Yes	18 (47)	36 (64)	30 (44)	9 (75)	93 (53)	*	*	*	*	*	0	0	0	0	0	8 (21)	9 (16)	19 (28)	4 (33)	40 (23)
Total	38 (100)	56 (100)	69 (100)	12 (100)	175 (100)	38 (100)	56 (100)	69 (100)	12 (100)	175 (100)	38 (100)	56 (100)	69 (100)	12 (100)	175 (100)	38 (100)	56 (100)	69 (100)	12 (100)	175 (100)
Degree freedom	Df = 6		P = 0.094 †			Df = 6		P = 0.471 †			Df = 3		P = 0.523 †			Df = 6		P = 0.680 †		

Safety concerns						Other concerns					Acceptability of participation in RCT					Feel need to consult partner				
Response	24-28 weeks	29-33 weeks	34-38 weeks	39+ weeks	Total	24-28 weeks	29-33 weeks	34-38 weeks	39+ weeks	Total	24-28 weeks	29-33 weeks	34-38 weeks	39+ weeks	Total	24-28 weeks	29-33 weeks	34-38 weeks	39+ weeks	Total
No	25 (66)	35 (63)	45 (66)	11 (92)	116 (67)	28 (74)	39 (70)	52 (78)	11 (92)	130 (75)	3 (8)	7 (130)	11 (16)	4 (33)	25 (14)	8 (21)	17 (30)	24 (35)	3 (25)	52 (30)
Not sure	10 (26)	16 (29)	18 (27)	*	45 (26)	10 (26)	13 (23)	11 (16)	*	34 (20)	22 (58)	25 (45)	34 (49)	3 (25)	84 (48)	14 (37)	15 (27)	8 (12)	*	38 (22)
Yes	3 (8)	5 (9)	5 (8)	*	13 (8)	*	4 (7)	4 (6)	*	9 (5)	13 (34)	24 (43)	24 (35)	5 (42)	66 (38)	16 (42)	24 (43)	37 (54)	8 (67)	85 (49)
Total	38 (100)	56 (100)	68 (100)	12 (100)	174 (100)	38 (100)	56 (100)	67 (100)	12 (100)	173 (100)	38 (100)	56 (100)	69 (100)	12 (100)	175 (100)	38 (100)	56 (100)	69 (100)	12 (100)	175 (100)
Degree freedom	Df = 6		P = 0.778 †			Df = 6		P = 0.207 †			Df = 6		P = 0.311 †			Df = 6		P = 0.056 †		

Cross tabulations of survey responses by parity (none, one or more). Note: * values less than 3, † Fisher exact

Sims posture acceptable			Cultural concerns			Religious concerns			Comfort concerns			Safety concerns			
Response	None	One or more	Total	None	One or more	Total	None	One or more	Total	None	One or more	Total	None	One or more	Total
No	12 (130)	13 (16)	25 (14)	86 (90)	72 (88)	158 (89)	90 (94)	77 (94)	167 (94)	49 (51)	43 (52)	92 (52)	63 (66)	57 (70)	120 (68)
Not sure	34 (35)	27 (33)	61 (34)	9 (9)	10 (12)	19 (11)	6 (6)	5 (6)	11 (6)	28 (29)	18 (22)	46 (26)	26 (27)	18 (22)	44 (25)
Yes	59 (52)	42 (51)	92 (52)	*	*	*	*	*	*	19 (20)	21 (26)	40 (23)	7 (7)	6 (7)	13 (7)
Total	96 (100)	82 (100)	178 (100)	96 (100)	82 (100)	178 (100)	96 (100)	82 (100)	178 (100)	96 (100)	82 (100)	178 (100)	96 (100)	81 (100)	177 (100)
Degree freedom	Df = 2		P = 0.836 †	Df = 2		P = 0.801†	Df = 1		P = 0.966	Df = 2		P = 0.455†	Df = 2		P = 0.754†

Other concerns			Acceptability of participation in RCT			Feel need to consult partner			
Response	None	One or more	Total	None	One or more	Total	None	One or more	Total
No	70 (75)	64 (78)	134 (76)	18 (19)	9 (11)	27 (15)	23 (24)	30 (37)	53 (30)
Not sure	20 (21)	13 (16)	33 (19)	43 (45)	42 (51)	85 (48)	23 (24)	15 (18)	38 (21)
Yes	4 (4)	5 (6)	9 (5)	35 (37)	31 (38)	66 (37)	50 (52)	37 (45)	87 (49)
Total	94 (100)	82 (100)	176 (100)	96 (100)	82 (100)	178 (100)	96 (100)	82 (100)	178 (100)
Degree freedom	Df = 2		P = 0.584 †	Df = 2		P = 0.338†	Df = 2		P = 0.176†

Cross tabulations of survey responses by previous experience of fetal malposition.

Note: * values less than 3, † Fisher exact

Sims posture acceptable				Cultural concerns			Religious concerns			Comfort concerns			Safety concerns		
Response	No experience	Experience	Total	No experience	Experience	Total	No experience	Experience	Total	No experience	Experience	Total	No experience	Experience	Total
No	19 (12)	6 (23)	25 (14)	136 (89)	22 (85)	158 (88)	144 (94)	23 (89)	167 (93)	78 (51)	14 (54)	92 (51)	102 (67)	18 (769)	120 (67)
Not sure	55 (36)	6 (23)	61 (34)	16 (11)	4 (15)	20 (11)	9 (6)	3 (11)	12 (7)	43 (28)	4 (15)	47 (26)	38 (25)	7 (27)	45 (25)
Yes	79 (52)	14 (54)	93 (52)	*	*	*	*	*	*	32 (21)	8 (31)	40 (22)	12 (8)	*	13 (7)
Total	153 (100)	26 (100)	170 (100)	153 (100)	26 (100)	179 (100)	153 (100)	26 (100)	179 (100)	153 (100)	26 (100)	179 (100)	152 (100)	26 (100)	178 (100)
Degree freedom	Df = 2	P = 0.234		Df = 2	P = 0.573†		Df = 1	P = 0.386†		Df = 2	P = 0.306		Df = 2	P = 0.884†	

Other concerns				Acceptability of participation in RCT			Felt need to consult partner		
Response	No experience	Experience	Total	No experience	Experience	Total	No experience	Experience	Total
No	115 (76)	19 (73)	134 (76)	23 (15)	4 (15)	27 (15)	43 (28)	11 (42)	54 (30)
Not sure	28 (19)	6 (23)	34 (19)	74 (48)	11 (42)	85 (48)	33 (22)	5 (19)	38 (21)
Yes	8 (5)	*	9 (5)	56 (37)	11 (42)	67 (37)	77 (50)	10 (39)	87 (49)
Total	151 (100)	26 (100)	177 (100)	153 (100)	26 (100)	179 (100)	153 (100)	26 (100)	179 (100)
Degree freedom	Df = 2	P = 0.847 †		Df = 2	P = 0.844 †		Df = 2	P = 0.335	

Cross tabulations of survey responses by ethnicity.

Note: * values less than 3, † Fisher exact, MELAA: Middle Eastern, Latin American, African

Safety concerns							Cultural concerns						Religious concerns						Comfort concerns					
Response	Asian	Euro	Māori	A MELA	Pacific	Total	Asian	Euro	Māori	A MELA	Pacific	Total	Asian	Euro	Māori	A MELA	Pacific	Total	Asian	Euro	Māori	A MELA	Pacific	Total
No	3 (5)	17 (24)	3 (921)	*	*	24 (14)	56 (89)	67 (96)	10 (71)	4 (80)	20 (83)	157 (89)	58 (92)	68 (97)	13 (93)	4 (80)	23 (96)	166 (94)	40 (64)	26 (37)	6 (43)	4 (80)	16 (67)	92 (52)
Not sure	28 (44)	10 (14)	6 (43)	*	15 (63)	59 (34)	7 (11)	3 (4) (21)	3 (21)	*	4 (17)	19 (10)	5 (8) (11)	*	*	*	*	10 (6)	19 (30)	15 (21)	4 (29)	*	6 (25)	45 (26)
Yes	32 (51)	43 (61)	5 (36)	5 (100)	8 (33)	93 (53)	*	*	*	*	*	*	*	*	*	*	*	*	4 (6) (41)	29 (41)	4 (29)	*	*	39 (22)
Total	63 (100)	70 (100)	14 (100)	5 (100)	23 (100)	176 (100)	63 (100)	70 (100)	14 (100)	5 (100)	24 (100)	176 (100)	63 (100)	70 (100)	14 (100)	5 (100)	24 (100)	176 (100)	63 (100)	70 (100)	14 (100)	5 (100)	24 (100)	176 (100)
Degree freedom	Df = 8			P = 0.353†			Df = 8			P = 0.029 †			Df = 4			P = 0.267†			Df = 8			P = 0.000†		

Other concerns							Safety concerns						Acceptability of participation in RCT						Felt need to consult partner					
Response	Asian	Euro	Māori	A MELA	Pacific	Total	Asian	Euro	Māori	A MELA	Pacific	Total	Asian	Euro	Māori	A MELA	Pacific	Total	Asian	Euro	Māori	A MELA	Pacific	Total
No	48 (76)	52 (77)	9 (64)	4 (80)	21 (88)	134 (77)	38 (61)	51 (73)	9 (64)	3 (60)	19 (79)	120 (69)	39 (62)	22 (31)	6 (430)	*	14 (58)	83 (47)	14 (22)	29 (41)	3 (21)	*	7 (29)	54 (31)
Not sure	12 (19)	10 (15)	5 (36)	*	3 (13)	31 (18)	19 (31)	13 (19)	3 (21)	*	5 (21)	42 (24)	8 (13)	14 (20)	*	*	*	26 (15)	11 (18)	14 (20)	4 (29)	*	5 (21)	36 (21)
Yes	3 (5) (51)	6 (9) (61)	*	*	*	9 (5) (53)	5 (8) (11)	6 (9) (21)	*	*	*	13 (7) (10)	16 (25) (62)	34 (49) (97)	6 (43) (93)	3 (60) (80)	8 (33) (96)	67 (38) (94)	38 (60) (64)	27 (39) (41)	7 (50) (29)	*	12 (50) (25)	86 (49) (26)
Total	63 (100)	68 (100)	14 (100)	5 (100)	24 (100)	174 (100)	62 (100)	70 (100)	14 (100)	5 (100)	24 (100)	175 (100)	63 (100)	70 (100)	14 (100)	5 (100)	24 (100)	176 (100)	63 (100)	70 (100)	14 (100)	5 (100)	24 (100)	176 (100)
Degree freedom	Df = 8			P = 0.537†			Df = 8			P = 0.353†			Df = 8			P = 0.037†			Df = 8			P = 0.257†		

Cross tabulation of survey responses by having heard of posture to correct fetal malposition. Note: * values less than 3, † Fisher exact

Sims posture acceptable					Cultural concerns				Religious concerns				Comfort concerns				Safety concerns			
Response	Not heard posture	Not sure	Yes heard posture	Total	Not heard posture	Not sure	Yes heard posture	Total	Not heard posture	Not sure	Yes heard posture	Total	Not heard posture	Not sure	Yes heard posture	Total	Not heard posture	Not sure	Yes heard posture	Total
No	11 (9)	*	13 (26)	25 (14)	95 (86)	15 (88)	48 (94)	158 (88)	103 (93)	15 (88)	49 (96)	167 (93)	57 (51)	9 (53)	26 (51)	92 (51)	73 (66)	9 (56)	38 (75)	120 (67)
Not sure	44 (40)	8 (47)	9 (18)	61 (34)	15 (14)	*	3 (6)	20 (11)	8 (7)	*	*	12 (7)	33 (30)	6 (35)	8 (16)	47 (26)	28 (25)	7 (44)	10 (20)	45 (25)
Yes	56 (51)	8 (47)	29 (57)	93 (52)	*	*	*	*	*	*	*	*	21 (19)	*	17 (33)	40 (22)	10 (9)	*	3 (6)	13 (7)
Total	111 (100)	17 (100)	51 (100)	179 (100)	111 (100)	17 (100)	51 (100)	179 (100)	111 (100)	17 (100)	51 (100)	170 (100)	111 (100)	17 (100)	51 (100)	179 (100)	111 (100)	16 (100)	51 (100)	178 (100)
Degree freedom	Df = 4		P = 0.010 †		Df = 4		P = 0.551 †		Df = 2		P = 0.375†		Df = 4		P = 0.119†		Df = 4		P = 0.328†	

Other concerns					Acceptability of participation in RCT				Feel need to consult partner			
Response	Not heard posture	Not sure	Yes heard posture	Total	Not heard posture	Not sure	Yes heard posture	Total	Not heard posture	Not sure	Yes heard posture	Total
No	85 (77)	11 (65)	38 (76)	134 (76)	16 (14)	*	10 (20)	27 (15)	26 (23)	5 (29)	23 (45)	54 (30)
Not sure	20 (18)	6 (35)	8 (16)	34 (19)	50 (45)	11 (65)	24 (47)	85 (48)	25 (23)	*	11 (22)	38 (21)
Yes	5 (5)	*	4 (8)	9 (5)	45 (41)	5 (29)	17 (33)	67 (37)	60 (54)	10 (59)	17 (33)	87 (49)
Total	110 (100)	17 (100)	50 (100)	177 (100)	111 (100)	17 (100)	51 (100)	179 (100)	111 (100)	17 (100)	51 (100)	179 (100)
Degree freedom	Df = 4		P = 0.367 †		Df = 4		P = 0.506 †		Df = 4		P = 0.046†	

Cross tabulation of survey responses by having heard of malposition. Note: * values less than 3, † Fisher exact

Sims posture acceptable				Cultural concerns			Religious concerns			Comfort concerns			Safety concerns		
Response	Heard of OP	Never heard of OP	Total	Heard of OP	Never heard of OP	Total	Heard of OP	Never heard of OP	Total	Heard of OP	Never heard of OP	Total	Heard of OP	Never heard of OP	Total
No	24 (18)	*	25 (14)	121 (92)	37 (78)	158 (88)	127 (96)	40 (85)	167 (93)	68 (52)	24 (51)	92 (51)	94 (72)	26 (55)	120 (67)
Not sure	36 (27)	25 (53)	61 (34)	10 (8)	10 (21)	20 (11)	5 (4)	7 (15)	12 (7)	26 (20)	21 (45)	47 (26)	27 (21)	18 (38)	45 (25)
Yes	72 (55)	21 (45)	93 (52)	*	*	*	*	*	*	38 (29)	*	40 (22)	10 (8)	3 (6)	13 (7)
Total	132 (100)	47 (100)	179 (100)	132 (100)	47 (100)	179 (100)	*	47 (100)	179 (100)	132 (100)	47 (100)	179 (100)	131 (100)	47 (100)	178 (100)
Degree freedom	Df = 2	P = 0.001 †		Df = 2	P = 0.026 †		Df = 1	P = 0.015†		Df = 2	P = 0.000†		Df = 2	P = 0.067†	

Other concerns				Acceptability of participation in RCT			Feel need to consult partner		
Response	Heard of OP	Never heard of OP	Total	Heard of OP	Never heard of OP	Total	Heard of OP	Never heard of OP	Total
No	103 (80)	31 (66)	134 (76)	22 (17)	5 (11)	27 (15)	243 (33)	11 (23)	54 (30)
Not sure	21 (16)	13 (28)	34 (19)	56 (42)	29 (62)	85 (48)	27 (21)	11 (23)	38 (21)
Yes	6 (5)	3 (6)	9 (5)	54 (41)	13 (28)	67 (37)	62 (47)	25 (53)	87 (49)
Total	130 (100)	47 (100)	177 (100)	132 (100)	47 (100)	179 (100)	132 (100)	47 (100)	179 (100)
Degree freedom	Df = 2	P = 0.173 †		Df = 2	P = 0.082 †		Df = 2	P = 0.512 †	

Interest in labour research by maternal characteristics. Note: * values less than 3, † Fisher exact, MELAA: Middle Eastern, Latin American, African

Age					Gestation						Parity				Previous experience of malposition				
Interest in labour research	16-25 years	26-35 years	36-45 years+	Total	Interest in labour research	24-28 weeks	29-33 weeks	34-38 weeks	39 weeks +	Total	Interest in labour research	None	One or more	Total	Interest in labour research	No	Yes	Total	
Disinterested	*	*	*	*	Disinterested	*	*	*	*	*	Disinterested	*	*	*	Disinterested	*	*	*	
Interested	3 (27)	68 (51)	21 (64)	92 (52)	Interested	19 (50)	32 (57)	32 (46)	8 (67)	91 (52)	Interested	51 (53)	42 (51)	93 (52)	Interested	81 (53)	12 (46)	93 (52)	
Neutral	3 (27)	19 (14)	*	24 (14)	Neutral	5 (13)	8 (14)	9 (13)	*	24 (14)	Neutral	14 (15)	10 (12)	24 (14)	Neutral	21 (14)	3 (12)	24 (13)	
Very interested	5 (46)	46 (34)	9 (27)	60 (34)	Very interested	14 (37)	14 (25)	28 (41)	*	58 (33)	Very interested	31 (32)	28 (34)	59 (33)	Very interested	49 (32)	11 (42)	60 (34)	
Total	11 (100)	123 (100)	33 (100)	178 (100)	Total	38 (100)	56 (100)	69 (100)	12 (100)	175 (100)	Total	96 (100)	82 (100)	178 (100)	Total	153 (100)	26 (100)	179 (100)	
Degree freedom	Df = 6		P = 0.193†		Degree freedom	Df = 9			P = 0.494†		Degree freedom	Df = 3		P = 0.560†		Degree freedom	Df = 3		P = 0.736†

Never heard of malposition (OP)				Heard of use of posture to correct malposition					Interest in labour research							
Interest in labour research	Heard of OP	Never heard of OP	Total	Interest in labour research	No	Not sure	Yes	Total	Response	Asian	Euro	Maori	MELAA	Pacific	Total	
Disinterested	*	*	*	Disinterested	*	*	*	*	Disinterested	*	*	*	*	*	*	
Interested	69 (52)	24 (51)	93 (52)	Interested	58 (52)	11 (65)	25 (47)	93 (52)	Interested	37 (59)	32 (46)	7 (50)	3 (60)	12 (50)	91 (52)	
Neutral	16 (12)	8 (17)	24 (13)	Neutral	14 (13)	3 (18)	7 (14)	24 (13)	Neutral	9 (14)	10 (14)	*	*	4 (17)	24 (14)	
Very interested	46 (35)	14 (30)	60 (34)	Very interested	37 (33)	3 (18)	20 (39)	60 (34)	Very interested	16 (25)	28 (40)	6 (43)	*	7 (29)	59 (34)	
Total	132 (100)	47 (100)	179 (100)	Total	111 (100)	17 (100)	51 (100)	179 (100)	Total	63 (100)	70 (100)	14 (100)	5 (100)	24 (100)	176 (100)	
Degree freedom	Df = 3		P = 0.557†		Degree freedom	Df = 6			P = 0.683†		Degree freedom	Df = 12			P = 0.716	