

**Supplementary table S2.** Process evaluation questions on the use of the MAMA ACT leaflet and app per cluster in the intervention group, from the MAMA ACT post-implementation cross-sectional survey, 2019

	W1 <sup>a</sup>	W2 <sup>a</sup>	W3 <sup>a</sup>	W4 <sup>a</sup>	W5 <sup>a</sup>	W6 <sup>a</sup>	W7 <sup>a</sup>	W8 <sup>a</sup>	W9 <sup>a</sup>	W10 <sup>a</sup>
	N=135 (100)	N=93 (100)	N=117 (100)	N=156 (100)	N=120 (100)	N= 125 (100)	N= 124 (100)	N=122 (100)	N=156 (100)	N=156 (100)
<b>Did the midwife give you the leaflet “MAMA ACT”?</b>										
<i>Yes</i>	114 (84.4)	84 (90.3)	87 (74.4)	123 (78.8)	86 (71.7)	92 (73.6)	109 (87.9)	101 (82.8)	127 (81.4)	128 (82.1)
<i>No</i>	19 (14.1)	6 (6.5)	25 (21.4)	31 (19.9)	31 (25.8)	29 (23.2)	15 (12.1)	18 (14.7)	26 (16.7)	27 (17.3)
<i>Unanswered</i>	2 (1.5)	3 (3.2)	5 (4.3)	2 (1.3)	3 (2.5)	4 (3.2)	0 (0.0)	3 (2.5)	3 (1.9)	1 (0.6)
<b>Did the leaflet provide you with information about body signals that you have been able to use during your pregnancy? <sup>b</sup></b>										
<i>Yes</i>	64 (55.2)	38 (43.7)	45 (48.9)	66 (52.8)	36 (40.5)	40 (41.7)	58 (53.2)	46 (44.2)	60 (46.2)	69 (53.5)
<i>No</i>	31 (26.7)	30 (34.5)	18 (19.6)	19 (15.2)	25 (28.1)	28 (29.2)	23 (21.1)	24 (23.1)	34 (26.2)	34 (26.4)
<i>Have not read the leaflet</i>	19 (16.4)	13 (14.9)	25 (27.2)	39 (31.2)	26 (29.2)	26 (27.1)	27 (24.8)	30 (28.9)	34 (26.1)	25 (19.4)
<i>Unanswered</i>	2 (1.7)	6 (6.9)	4 (4.4)	1 (0.8)	2 (2.2)	2 (2.1)	1 (0.9)	4 (3.8)	2 (1.5)	1 (0.7)
<i>Missing</i>	19	6	25	31	31	29	15	18	26	27
<b>Did you download the app “MAMA ACT”? <sup>b</sup></b>										
<i>Yes</i>	33 (28.4)	44 (50.6)	23 (25.0)	24 (19.2)	17 (19.1)	10 (10.4)	19 (17.4)	13 (12.5)	33 (25.4)	35 (27.1)
<i>No</i>	82 (70.7)	41 (47.1)	65 (70.6)	101 (80.8)	70 (78.6)	85 (88.5)	90 (82.6)	88 (84.6)	95 (73.1)	94 (72.9)
<i>Unanswered</i>	1 (0.9)	2 (2.3)	4 (4.4)	0 (0.0)	2 (2.3)	1 (1.1)	0 (0.0)	3 (2.9)	2 (1.5)	0 (0.0)
<i>Missing</i>	19	6	25	31	31	29	15	18	26	27
<b>Why did you not download the app? You can choose between one of the following four options: <sup>c</sup></b>										
<i>The MAMA ACT leaflet was sufficient</i>	21 (25.3)	6 (14.0)	7 (10.1)	22 (21.8)	15 (20.8)	16 (18.6)	25 (27.8)	17 (18.7)	22 (22.6)	23 (24.5)
<i>You did not have a smartphone to install it on</i>	1 (1.2)	1 (2.3)	3 (4.3)	1 (1.0)	0 (0.0)	1 (1.2)	1 (1.1)	1 (1.1)	1 (1.0)	2 (2.1)
<i>It was difficult to find or install</i>	1 (1.2)	1 (2.3)	3 (4.4)	2 (2.0)	2 (2.8)	0 (0.0)	2 (2.2)	1 (1.1)	1 (1.0)	2 (2.1)
<i>It was irrelevant; please elaborate</i>	55 (66.3)	31 (72.1)	51 (73.9)	76 (75.2)	51 (70.8)	66 (76.7)	61 (67.8)	69 (75.8)	69 (71.1)	66 (70.2)
<i>Unanswered</i>	5 (6.0)	4 (9.3)	5 (7.3)	0 (0.0)	4 (5.6)	3 (3.5)	1 (1.1)	3 (3.3)	4 (4.1)	1 (1.1)
<i>Missing</i>	52	50	48	55	48	39	34	31	59	62
<b>It was irrelevant; please elaborate <sup>d</sup></b>										
<i>Forgot to download the app</i>	8 (14.6)	8 (25.8)	9 (17.6)	16 (21.0)	6 (11.8)	13 (19.7)	7 (11.5)	13 (18.8)	13 (18.8)	9 (13.6)
<i>Did not use the app due to technical problems</i>	1 (1.8)	2 (6.5)	0 (0.0)	1 (1.3)	0 (0.0)	1 (1.5)	2 (3.3)	1 (1.5)	0 (0.0)	2 (3.0)
<i>Woman herself or partner works within healthcare</i>	1 (1.8)	0 (0.0)	1 (2.0)	0 (0.0)	1 (2.0)	3 (4.6)	1 (1.6)	1 (1.5)	1 (1.5)	3 (4.6)
<i>Lost or did not read the leaflet</i>	9 (16.4)	4 (12.9)	14 (27.5)	19 (25.0)	15 (29.4)	18 (26.9)	15 (24.6)	15 (21.7)	19 (27.5)	17 (25.8)
<i>Did not have time/ surplus to get acquainted with the app</i>	0 (0.0)	2 (6.4)	1 (2.0)	1 (1.3)	3 (5.9)	2 (3.0)	0 (0.0)	0 (0.0)	3 (4.4)	0 (0.0)
<i>Use other apps</i>	3 (5.5)	2 (6.5)	4 (7.8)	5 (6.6)	2 (3.9)	5 (7.6)	2 (3.3)	5 (7.3)	4 (5.8)	3 (4.6)
<i>Felt no need for the app (partly due to knowledge from previous pregnancy)</i>	13 (23.6)	8 (25.8)	10 (19.6)	14 (18.4)	12 (23.5)	12 (18.2)	14 (22.9)	9 (13.0)	14 (20.3)	19 (28.8)
<i>Did not know there was an app</i>	16 (29.1)	3 (9.7)	8 (15.7)	17 (22.4)	9 (17.6)	7 (10.6)	16 (26.2)	18 (26.1)	10 (14.5)	7 (10.6)
<i>Other reasons</i>	4 (7.2)	2 (6.4)	4 (7.8)	3 (4.0)	3 (5.9)	5 (7.6)	4 (6.6)	7 (10.1)	5 (7.2)	6 (9.1)
<i>Missing</i>	80	62	66	80	69	59	63	53	87	90
<b>Did the app provide you with information about body signals that you have been able to use during your pregnancy? <sup>e</sup></b>										
<i>Yes</i>	23 (67.7)	14 (30.4)	17 (63.0)	14 (58.3)	8 (42.1)	6 (54.5)	11 (57.9)	11 (68.8)	20 (57.1)	23 (65.7)

<i>No</i>	7 (20.6)	17 (37.0)	3 (1.1)	5 (20.8)	4 (21.1)	2 (18.2)	5 (26.3)	0 (0.0)	8 (22.9)	5 (14.3)
<i>Have not used the app</i>	3 (8.8)	13 (28.3)	3 (1.1)	5 (20.8)	3 (15.8)	2 (18.2)	3 (15.8)	3 (18.7)	5 (14.3)	7 (20.0)
<i>Unanswered</i>	1 (2.9)	2 (4.3)	4 (14.8)	0 (0.0)	4 (21.0)	1 (9.1)	0 (0.0)	2 (12.5)	2 (5.7)	(0.0)

<sup>a</sup> Anonymized names of the ten maternity wards (clusters) included in the intervention group

<sup>b</sup> Percentages are based on the total of women answering 'yes' to or not answering the question: Did the midwife give you the leaflet "MAMA ACT"?

<sup>c</sup> Percentages are based on the total of women answering 'no' to or not answering the question: Did you download the app "MAMA ACT"?

<sup>d</sup> Percentages are based on the total of women answering 'It was irrelevant; please elaborate' to the question: Why did you not download the app?

<sup>e</sup> Percentages are based on the total of women answering 'yes' to or not answering the question: Did you download the app "MAMA ACT"?