

Table 3 Results of bivariate and multiple logistic regression analysis for variables related to adherence to maternity care standards according to study participants in the intervention group (n = 92) and control group (n = 93)

Maternity care received	Adherence to standard ^a				Unadjusted		Adjusted ^b	
	Intervention		Control		OR (95% CI)	P-value	OR (95% CI) [†]	P-value
	No.	%	No.	%				
Health care services								
Care services	75	81.5	75	80.6	1.06 (0.51–2.21)	0.879	0.98 (0.45–2.10)	0.950
General practitioner visits	79	85.9	78	83.9	1.09 (0.48–2.47)	0.835	1.07 (0.46–2.50)	0.870
Dentist visits	52	56.5	50	53.8	1.09 (0.61–1.95)	0.767	1.05 (0.58–1.90)	0.874
Clinical examinations done								
Blood pressure measurements	75	81.5	75	80.6	1.00 (0.47–2.11)	1.00	0.93 (0.43–2.01)	0.849
Body weight measurements	75	81.5	75	80.6	1.00 (0.47–2.11)	1.00	0.93 (0.43–2.01)	0.849
Fetal heart checks	44	47.8	53	57.0	0.67 (0.38–1.21)	0.184	0.64 (0.35–1.17)	0.149
Fundal height measurements	22	23.9	26	28.0	0.81 (0.42–1.57)	0.530	0.81 (0.41–1.61)	0.550
Feet examinations to assess oedema	8	8.7	6	6.5	1.36 (0.45–4.10)	0.578	1.46 (0.47–4.49)	0.511
Body temperature measurements	64	69.6	31	33.3	4.50 (2.42–8.36)	< 0.001	4.40 (2.31–8.40)	< 0.001
Respiration rate measurements	60	65.2	24	25.8	5.31 (2.82–10.00)	< 0.001	5.93 (2.96–11.88)	< 0.001
Pulse rate measurements	69	75.0	43	46.2	3.42 (1.83–6.39)	< 0.001	3.35 (1.74–6.44)	< 0.001
Eye examinations	14	15.2	0	0.0	–	–	–	–
Vaginal bleeding assessments	71	77.2	59	63.4	1.89 (0.99–3.61)	0.052	1.79 (0.92–3.50)	0.086
High-risk pregnancy assessments	71	77.2	59	63.4	1.89 (0.99–3.61)	0.052	1.80 (0.92–3.51)	0.086
Pregnancy and healthy behaviours education								
High-risk pregnancy education	53	57.6	25	26.9	3.64 (1.96–6.76)	< 0.001	3.78 (1.96–6.28)	< 0.001
Drug allergies education	60	65.2	48	51.6	1.72 (0.95–3.11)	0.072	1.85 (1.00–3.44)	0.051
Nutrition and supplements education	58	63.0	40	43.0	2.22 (1.23–4.00)	0.008	2.14 (0.16–3.93)	0.015
Individual hygiene education	49	53.3	22	23.7	3.63 (1.93–6.81)	< 0.001	3.64 (1.89–7.14)	< 0.001
Mental and sexual health education	49	53.3	18	19.4	4.68 (2.43–9.05)	< 0.001	4.73 (2.39–9.35)	< 0.001
Safe delivery education	35	38.0	20	21.5	2.21 (1.15–4.23)	0.016	2.18 (1.12–4.25)	0.021
Breastfeeding education	30	32.6	17	18.3	2.13 (1.08–4.23)	0.028	1.99 (0.99–4.01)	0.054
Neonate risk factor and care education	26	28.3	5	5.4	6.85 (2.50–18.8)	< 0.001	7.71 (2.70–21.98)	< 0.001
Oral health education	64	69.6	32	34.4	4.29 (2.31–7.95)	< 0.001	4.39 (2.30–8.35)	< 0.001
Vitamin and mineral supplements								
Ferrous sulfate (iron)	55	59.8	56	60.2	0.93 (0.51–1.68)	0.808	0.96 (0.51–1.8)	0.909
Multivitamins	55	59.8	57	61.3	0.89 (0.49–1.62)	0.692	0.92 (0.49–1.72)	0.797
Folic acid	48	52.2	26	28.0	2.90 (1.57–5.36)	< 0.001	2.94 (1.57–5.50)	< 0.001
Para-clinical examinations								
Blood tests	41	44.6	29	31.2	1.75 (0.96–3.19)	0.068	1.85 (0.98–3.48)	0.057
Urine tests	41	44.6	33	35.5	1.44 (0.79–2.60)	0.229	1.54 (0.83–2.88)	0.172
Ultrasound examination	15	16.3	14	15.1	1.09 (0.49–2.40)	0.840	1.18 (0.52–2.70)	0.687

^aPercentage of pregnant women meeting recommended care from Iranian Ministry of Health protocols; ^bData were adjusted for health centre level, pregnancy history, education level and occupation.

OR = odds ratio; CI = confidence interval.