

Table 3 Positive responses to questions before and after the educational intervention about solid waste management (combining agreed and strongly agreed responses)

Beliefs item	Positive responses to item						Statistics					
	Before (total group) (n = 306)		After (intervention group) (n = 150)		After (control group) (n = 146)		Before vs intervention group		Before vs control group		Intervention vs control group	
	No.	%	No.	%	No.	%	χ^2	P-value	χ^2	P-value	χ^2	P-value
Waste accumulation anywhere away from home does not lead to the spread of diseases	278	90.8	18	12.0	135	92.5	271	<0.001	0.15	0.69	189	<0.001
Collection of waste in closed container in the house prevents diseases	146	47.7	137	91.3	78	53.4	79.5	<0.001	1.07	0.30	51.6	<0.001
Solid waste management is not our concern	265	86.6	10	6.7	119	81.5	265	<0.001	1.65	0.20	166	<0.001
Solid waste management will not affect our health	296	96.7	17	11.3	137	93.8	337	<0.001	1.4	0.23	198	<0.001
Landscape outside the home does not matter; the important thing is to have the house clean	286	93.5	12	8.0	129	88.4	321	<0.001	2.7	0.09	188	<0.001
Solid waste management is important subject in our life	40	13.1	147	98.0	23	15.8	297	<0.001	0.39	0.53	201	<0.001
Maintaining the cleanliness of the area is the responsibility of the municipality only	288	94.1	46	30.7	132	90.4	204	<0.001	1.54	0.21	108	<0.001
Collecting the waste in big container in each street is better for the health of the people	230	75.2	145	96.7	98	67.1	0.01	0.9	2.8	0.09	108	0.17
Neighbourhood committees share a responsibility to prevent waste accumulating	187	61.1	148	98.7	87	59.6	70.9	<0.001	0.04	0.48	66.6	<0.001
The best way to reduce waste is reusing and recycling	124	40.5	137	91.3	67	45.9	104	<0.001	0.96	0.32	69.2	<0.001
The inhabitants are involved in producing hazardous waste	34	11.1	132	88.0	18	12.3	254	<0.001	0.05	0.82	166	<0.001
Paying a penalty is the only way of waste management	26	8.5	23	15.3	14	9.6	4.22	0.04	0.04	0.84	1.74	0.18
All family members can participate in reducing and reusing solid waste	18	5.9	136	90.7	11	7.5	320	<0.001	0.2	0.6	201	<0.001
Segregation of solid waste gives additional income to the family	175	57.2	112	74.7	88	60.3	12.4	<0.001	0.2	0.6	6.3	0.01
Plastic, metal, bottles glass, old clothes and textiles can be reused	287	93.8	148	98.7	116	79.5	4.3	0.03	19.6	0.01	26.3	<0.001